



ZHEJIANG HAPPY PUMP INDUSTRY CO.,LTD.

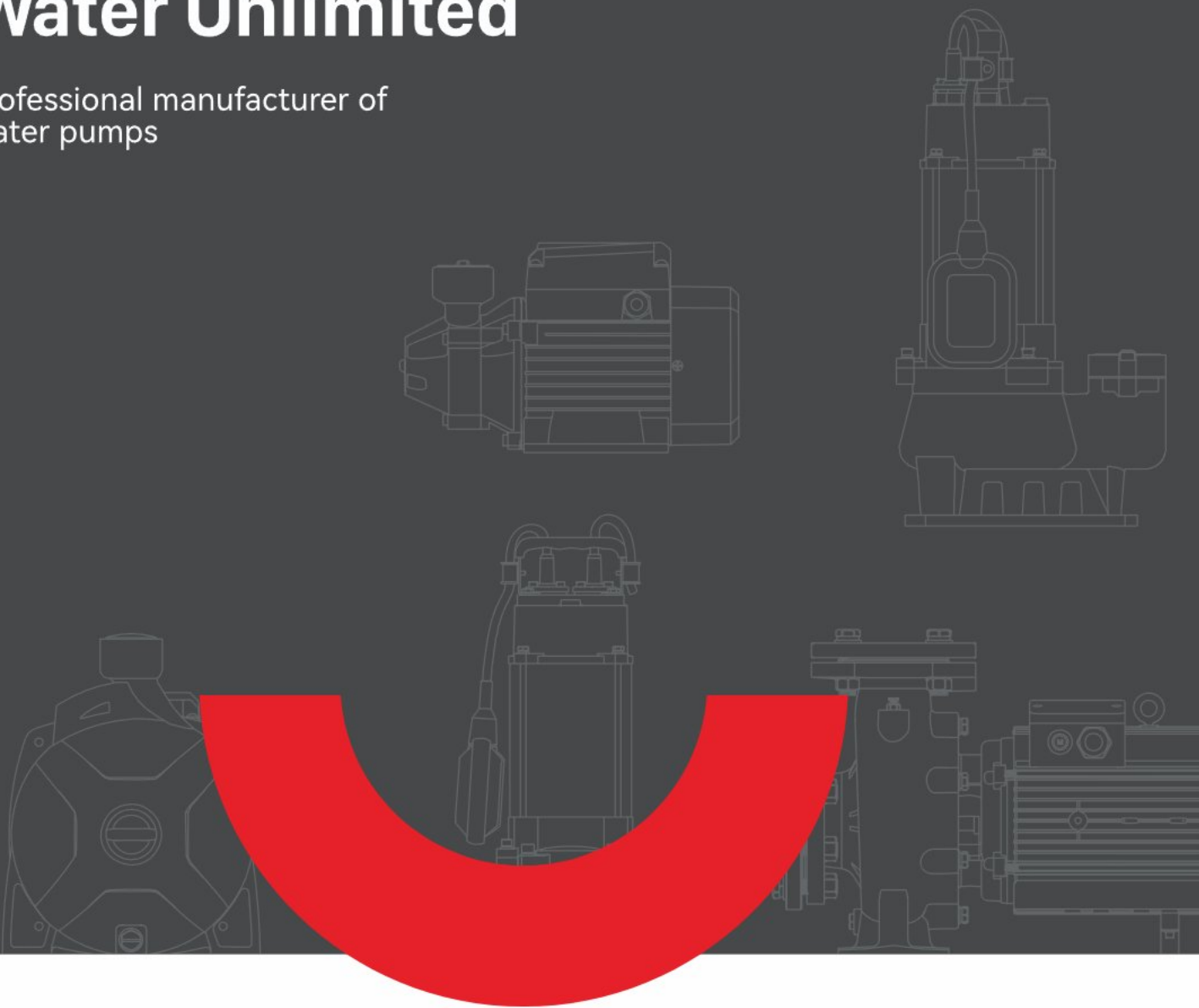


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www.happypump.com

Water Unlimited

Professional manufacturer of
water pumps



 Products shall be subject to any changes
without additional notices.

 Everybody is responsible for environmental protection,
sustainable development!

2026
ZHEJIANG HAPPY PUMP
INDUSTRY CO.,LTD.





35
Years

100
Countries

210,000^{m²}
Area

\$ 100
Millions

Company Profile

Zhejiang Happy Pump Industry Co., Ltd. (hereinafter referred to as the "Happy Pump" or "Company") was established in 1990 and is located in Daxi Town, Wenling City, Zhejiang Province, known as the "Hometown of Water Pumps" in China. The Company specializes in the production of medium- to high-end water pumps and motors, and, with its accumulated valuable experience and spirit of continuous innovation, has become a leader in the industry. **HAPPY**® pumps have gained wide recognition and praise from users in both domestic and international markets due to their excellent and reliable quality and innovative concepts.

The Company covers an area of 55,000 square meters, with a building area of 210,000 square meters, and employs over 800 people, including more than 200 personnel in new product research and development. The Company has formed a high-level talent team with a reasonable structure, strong innovation capabilities, and solid professional qualifications, providing strong human and intellectual support for the Company's sustainable development. The product range includes 11 major series, covering more than 500 specifications, such as vortex pumps, centrifugal pumps, jet pumps, garden pumps, submersible pumps, deep well pumps, swimming pool pumps, permanent magnet variable frequency constant-pressure pumps, standard pumps, intelligent pumps and more. Up to now, the Company's annual sales volume has reached 5 million water pumps, and the Company continues to grow at an annual rate exceeding 20%. Its products are exported to over 100 countries and regions.

Looking to the future, Happy Pump will continue to uphold the business philosophy of "high quality, high efficiency and high service", focus on survival through quality and development through diversity, and remain steadfast in following the path of innovation-driven, green & low-carbon and high-quality development. The Company aims to build an intelligent and green factory, deepen the collaborative innovation mechanism of industry, academia, research and application, expand applications in high-end markets, further strengthen investment in technological R&D, and enhance the level of industry chain coordination. Happy Pump is committed to becoming a world-class pump industry enterprise with global competitiveness.

Smart production

The company has introduced advanced production equipment, automatic assembly production lines and painting lines from Japan and Germany.

Creating the ultimate pump products is our pursuit and goal!

A balance is sought between performance and structure, with high-quality materials and exquisite craftsmanship.

Strive to bring high-quality and high-stability experience to every user.





Extreme & Classic

The Company has always regarded technological innovation as the core engine for its development. It has developed a digital factory management system and vigorously promoted the transformation and upgrading of intelligent manufacturing. The Company has introduced the automatic rotor processing production lines, automatic cleaning lines, automatic composite processing equipment, automatic motor production lines, coil vacuum impregnation equipment, automatic drying and assembly systems, and other internationally advanced production equipment. In addition, by integrating 3D design systems, CFD (Computational Fluid Dynamics), motor electromagnetic design, finite element analysis and auxiliary design software, the Company has significantly shortened the product development and production cycles. A modern comprehensive pump testing center has been established, covering an area of 2,000 square meters, with a total equipment value exceeding RMB 10 million. This center provides comprehensive technical support for over 20 testing items, including pump performance, component precision, materials, quality and safety regulations. The center is equipped with the large open-type water pump test bench, automatic closed-type water pump test bench (complying with the national Class II accuracy, capable of performance test, cavitation test and vibration measurements), motor performance test bench (testing the motor appearance, insulation performance, temperature rise, vibration, noise, etc.), fire resistance laboratory (equipped with leakage tracking, needle flame burning, horizontal and vertical burning, and glow wire burning testing machines), and IP waterproof testing laboratory, and other advanced equipment. In addition, the Company has introduced efficient ex-factory inspection and testing systems, including automatic water pump performance data collection system and the Japanese FUKEDA high-precision gas testing system. These systems provide strong assurance for the Company's commitment to "Happy products are guaranteed to be high-quality".



Water Unlimited



1990

The company was founded

In 1990, Wenling No. 3 Screw Pump Factory was established
In 1997, Taizhou Happy Pump Industry Co., Ltd. was established

2017

In 2017, it was changed to
Zhejiang Happy Pump Industry Co., Ltd.



Struggling with boats
and setting sail to create
bright future

Constantly pioneering and innovating
Become a leading enterprise in the field of civil
water pump segmentation



2004

In 2004, it participated in foreign exhibitions
for the first time
It marks the beginning of Happy pump
products to the world



2020

In 2020, we will begin to increase technological transformation,
purchase advanced automated production lines, and build digital workshops.



Zhejiang Happy Pump Industry Co.,Ltd.
www.happypump.com

HONORARY QUALIFICATIONS



Advanced equipment, professional technology and strict management have created the high quality of "Happy" brand products.

It has successively won dozens of honors such as National High-tech Enterprise, National Specialized and New Little Giant Enterprise, Zhejiang Science and Technology Little Giant Enterprise, and Zhejiang Export Famous Brand.

"Happy" products are your reliable choice.



60⁺

Our company has more than 50 patents
Among them, there are more than 20 invention patents





A

01 HPm
02 HL



PERIPHERAL PUMPS
Patented Exclusive Products

B

03 HPSm
04 HPSm125A~750A



SELF-PRIMING
PERIPHERAL PUMPS
Patented Exclusive Products

C

05 HPSm-A/AX
06 HKSm-A
07 HQ60E



SMART SELF-PRIMING PUMPS
Patented Exclusive Products

D

08 H16~20



DC BOOSTER PUMPS
Patented Exclusive Products

Q

87 HMC60-SV
88 HMC90-SV
89 HMC145-SV
90 HMC170-SV
91 HMC-VE
92 HMC-VF
93 HMC-SV



VERTICAL MULTISTAGE PUMPS

R

97 HMC-IA



MULTISTAGE PUMPS

S

98 HFC-01
99 HFC-02
100 HFC-D



SWIMMING POOL PUMPS

T

101 HSPA



HYDROMASSAGE
BATHTUB PUMPS

E

09 2HIC



INVERTER AUTOMATIC PUMPS
Patented Exclusive Products

F

11 ACQm-P 21 HBMS
12 AGm
13 ACm
14 ACm25/160B
15 ACm/5A/5B/5C
16 ACm/5AM/5BM
17 ASm
18 ACm/7BR
19 2ACm
20 AMCm



CENTRIFUGAL PUMPS
Patented Exclusive Products

G

23 ACm-C
25 HBMI(50Hz)
26 HBMI(60Hz)
27 BP-HBMI



MULTISTAGE PUMPS
Patented Exclusive Products

H

28 AJm
30 AJm-C



SELF-PRIMING JET PUMPS
Patented Exclusive Products

U

102 HKJm
104 JET-A/B/C
105 JET-A
106 JSP
107 HJ
108 JET-S



SELF-PRIMING
JET PUMPS

V

109 DP-A
111 JETDP



DEEP WELL
SELF-PRIMING
JET PUMPS

W

113 SJET-C



GARDEN JET PUMPS

X

114 QDP-C
115 QDP-A/B
116 QDP-AW/BW



SUBMERSIBLE
(SEWAGE) PUMPS

I

31 QB
32 HQBm
33 HKm
34 IDB
35 VPm
36 VP



PERIPHERAL PUMPS

J

37 HQSm-A
38 HQSm-AX
39 HRSm-A
40 HRSm-A2



SMART SELF-PRIMING PUMPS

K

41 PS-A 47 HKS
43 PS 48 HKS-C-A
46 GP



SELF-PRIMING
PERIPHERAL PUMPS

L

49 HCm 59 HFM
51 HCm-1 60 HNF
52 HCm-2 61 2HCP
53 HCm-5 62 HCT-S
54 DK 63 HBK
55 HCK
56 HCPF
57 HTm
58 HGA



CENTRIFUGAL PUMPS

Y

117 QDP90-S
118 QDP145-S
119 QDP90-SE/SE-1
120 QDP145-SE/SE-1



(AUTOMATIC)
SUBMERSIBLE PUMPS

Z

121 QDS90-S
122 QDS-A/C/D
123 QDS-CW/DW



SUBMERSIBLE
PUMPS

A1

125 QDX-A
126 QDX-B
127 QDX145-SV
128 HDB
129 QDX-FA-3
131 QKm370-A



SUBMERSIBLE PUMPS

B1

132 WQD-B
133 WQD-D
134 WQD-S
135 H800F-B~H2250F-B
136 V1500F~V2200F
137 HW20L
138 HVT-D/F
139 HVT-C5



SUBMERSIBLE
(SEWAGE) PUMPS

M

64 HDm



FLOOR HEATING
CLEANING PUMP

N

65 HST



STANDARD
CENTRIFUGAL PUMPS

O

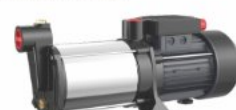
79 HS
80 SL



CENTRIFUGAL PUMPS

P

81 HMC15-M
82 HMC-S
83 HMC60-SH
84 HMC90-SH
85 HMC145-SH
86 HMC170-SH



HORIZONTAL MULTISTAGE PUMPS

C1

140 VTX-F
141 WQDR-B
142 HWD
143 HAD
144 HTD
145 HUD



SUBMERSIBLE
SEWAGE PUMPS

D1

146 HD1150F~HD1550F
147 HD-2
148 CUT
149 CUT-C5
150 WQH-QG



CUTTING SYSTEM
SUBMERSIBLE
SEWAGE PUMPS

E1

151 WQH
153 WQ-B
155 WQ



SUBMERSIBLE
SEWAGE PUMPS

F1

161 EXPLODE DRAWING
173 NEW SHAPE FOR
CHOOSING
175 ACCESSORIES



SUBMERSIBLE
(SEWAGE) PUMPS

HPm

Peripheral Pumps

Patented exclusive products



HPm50



HBPm50
(if request)

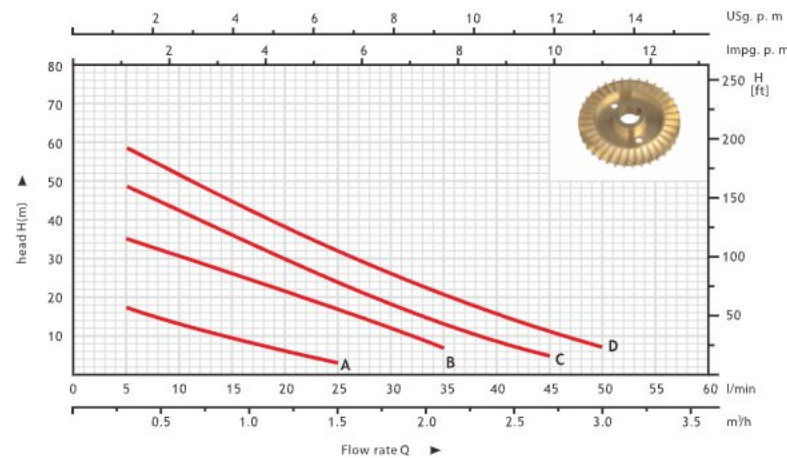


HPm60



HBPm60
(if request)

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3
		kW	HP												
A	HPm50	0.11	0.15	H	21	17.5	13.8	10.2	6.5	3					
B	HPm60	0.37	0.5		40	35.5	31	26.5	22	17	12	7			
C	HPm70	0.55	0.75		55	49	43	37	30	23	17	12	8	5	
D	HPm80	0.75	1		65	59	52	45	38	31	25	19	14	10	7

HL

Peripheral Pumps

Patented exclusive products

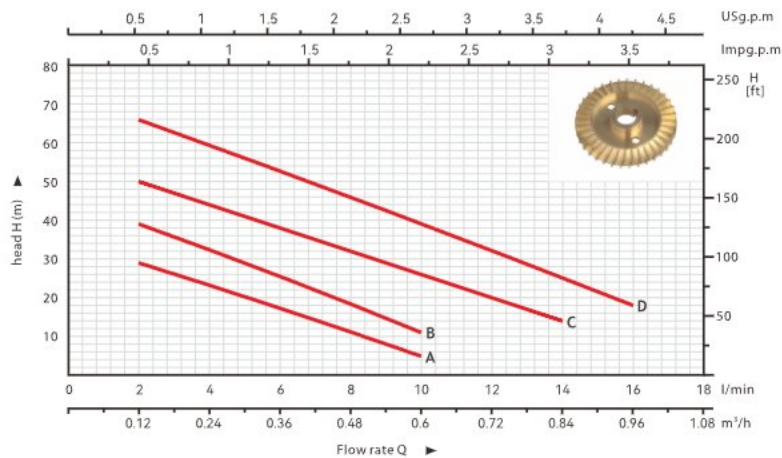


HBL (if request)



HL

PERFORMANCE CHART



NO.	MODEL	POWER		Q(m³/h)	0	0.12	0.24	0.36	0.48	0.6	0.72	0.84	0.96
		kW	HP										
A	HL150A (50Hz)	0.15	0.2	H	35	29	23	17	10.5	5			
B	HL150A (60Hz)	0.22	0.3		45.5	39	32	24.5	18	11			
C	HL370A (50Hz)	0.37	0.5		55	50	45	39	32	26	20	14	
D	HL370A (60Hz)	0.55	0.75		72	66	60	54	47	40	32	25	18



HPSm

Self-priming peripheral pumps
Patented exclusive products

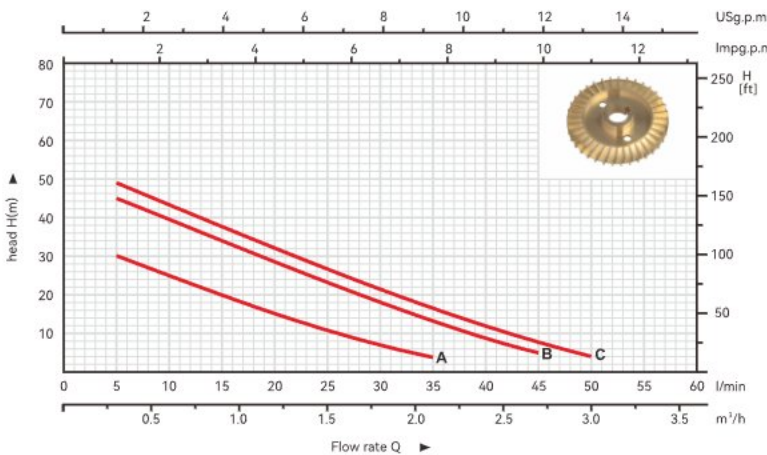


HBPSm
(if request)



HPSm

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h) Q(l/min)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3
		kW	HP		0	5	10	15	20	25	30	35	40	45	50
A	HPSm60	0.37	0.5	H	35	30	25	20	15.5	11	7.5	4			
B	HPSm70	0.55	0.75		50	45	39.5	34	28.5	23	18	13	9	5	
C	HPSm80	0.75	1		55	49	43	37	31.5	26	21	16	12	8	4

Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.

As a result of their compactness, reliability and the fact that they are easy to use, they are suitable for use in domestic applications such as the distribution of water in combination with small pressure sets, for the irrigation of gardens and allotments, for drawing water from tanks and for all those other situations where air or water may be present in the water to be pumped. The pump comes complete with a flap-check valve.

The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector
- ※ Single-phase 220V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **9 m**

Component

- ※ **Pump body:** Cast iron, with AISI304 SS insert if request
- ※ **Pump cover:** Cast iron (electrophoresis), with AISI304 SS insert if request
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Brass
- ※ **Motor shaft:** Carbon steel, AISI304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite

Construction

- ※ **Pump body:** Cast iron, with AISI304 SS insert if request
- ※ **Pump cover:** Cast iron (electrophoresis), with AISI304 SS insert if request
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Brass
- ※ **Motor shaft:** Carbon steel, AISI304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite



HPSm125A~750A

Self-priming peripheral pumps
Patented exclusive products

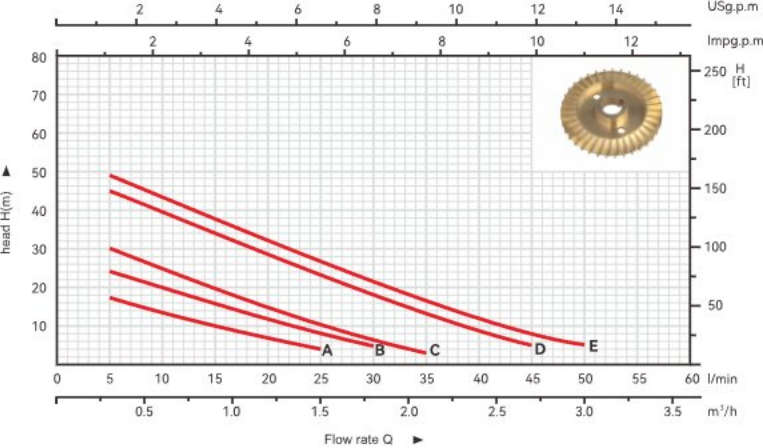


HBPSm125A~370A
(if request)



HPSm125A~750A

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h) Q(l/min)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3
		kW	HP		0	5	10	15	20	25	30	35	40	45	50
A	HPSm125A	0.125	0.17	H	21	17.5	14	10	7	4					
B	HPSm250A	0.25	0.34		28	24	20	16	12	8.5	5				
C	HPSm370A	0.37	0.5		35	30	25	20	15.5	11	7.5	4			
D	HPSm550A	0.55	0.75		50	45	39.5	34	28.5	23	18	13	9	5	
E	HPSm750A	0.75	1		55	49	43	37	31.5	26	21	16	12	8	4



Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.

As a result of their compactness, reliability and the fact that they are easy to use, they are suitable for use in domestic applications such as the distribution of water in combination with small pressure sets, for the irrigation of gardens and allotments, for drawing water from tanks and for all those other situations where air or water may be present in the water to be pumped. The pump comes complete with a flap-check valve.

The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector
- ※ Single-phase 220V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **9 m**

Component

- ※ **Pump body:** Cast iron, with AISI304 SS insert if request
- ※ **Pump cover:** Cast iron (electrophoresis), with AISI304 SS insert if request
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Brass
- ※ **Motor shaft:** Carbon steel, AISI304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite

Construction

- ※ **Pump body:** Cast iron, with AISI304 SS insert if request
- ※ **Pump cover:** Cast iron (electrophoresis), with AISI304 SS insert if request
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Brass
- ※ **Motor shaft:** Carbon steel, AISI304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite

HPSm-A/AX

Smart self-priming pumps

Patented exclusive products



HPSm-A

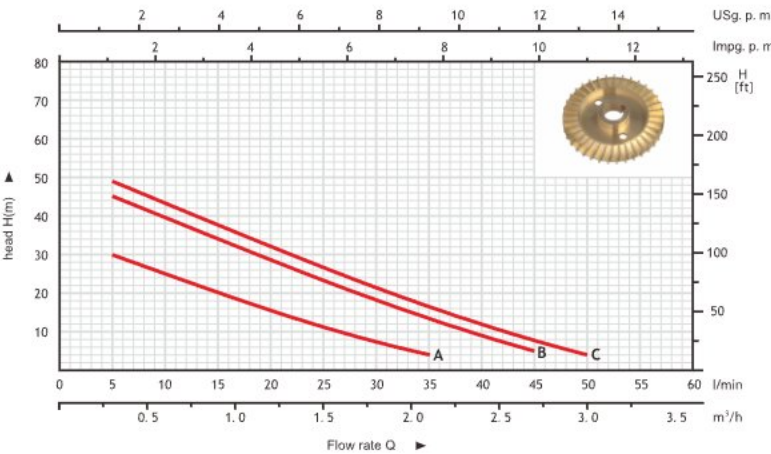


HBPSm-A
(if request)



HPSm-AX

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3
		kW	HP												
A	HPSm60-A/AX	0.37	0.5	H	35	30	25	20	15.5	11	7.5	4			
B	HPSm70-A/AX	0.55	0.75		50	45	39.5	34	28.5	23	18	13	9	5	
C	HPSm80-A/AX	0.75	1		55	49	43	37	31.5	26	21	16	12	8	4

HKSm-A

Smart self-priming pumps

Patented exclusive products

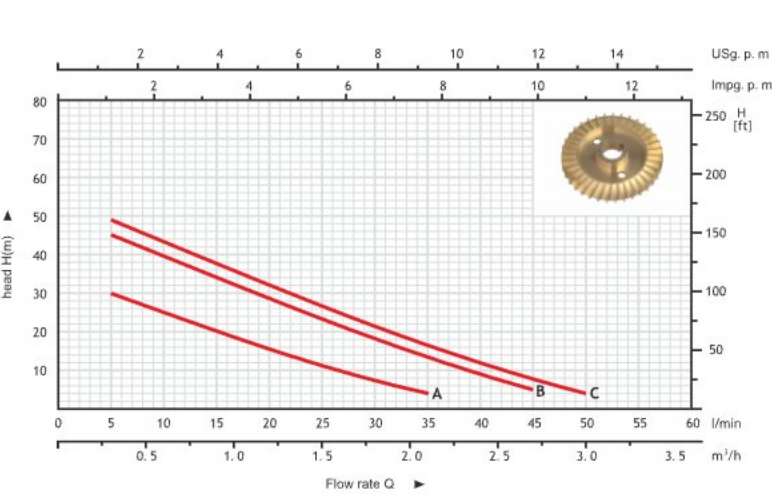


HBKSm-A
(if request)



HKSm-A

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3
		kW	HP												
A	HKSm60-A	0.37	0.5	H	35	30	25	20	15.5	11	7.5	4			
B	HKSm70-A	0.55	0.75		50	45	39.5	34	28.5	23	18	13	9	5	
C	HKSm80-A	0.75	1		55	49	43	37	31.5	26	21	16	12	8	4



HQ60E

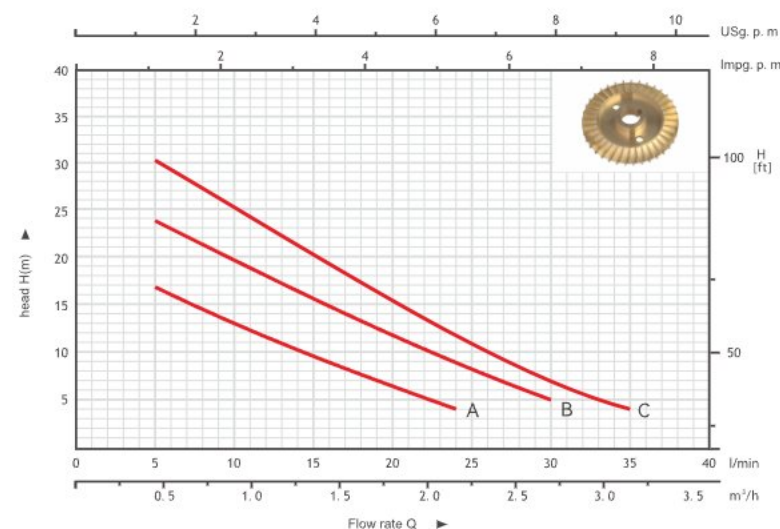
Smart self-priming pumps

Patented exclusive products



HQ60E

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1
		kW	HP									
A	HQ60E-125	0.125	0.17	H	21	17.5	14	10	7	4		
B	HQ60E-250	0.25	0.34		28	24	20	16	12	8.5	5	
C	HQ60E	0.37	0.5		35	30	25	20	15.5	11	7.5	4



Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.

They are easy to use and are economical, they are ideal for domestic use and in particular for distributing water in combination with small pressure sets and for the irrigation of gardens and allotments. The pump comes complete with a flap-check valve.

Keep the water pressure stable to let water heater normally working.

The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector
- ※ Single-phase 220V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **80 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **8 m**

Component

- ※ **Pump body:** Cast iron + AISI304 SS insert
- ※ **Pump support:** Cast iron, with brass/AISI 304 SS insert if request
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Brass
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/Graphite

Construction



H16~20

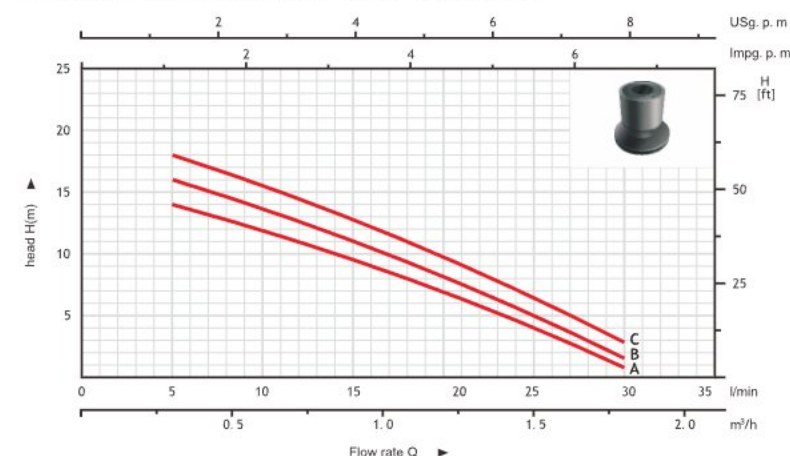
DC. Booster Pumps

Patented exclusive products



H16~20

PERFORMANCE CHART AT n=7000RPM



NO.	MODEL	POWER(IN) W	Q(m³/h) Q(l/min)	0	0.3	0.6	0.9	1.2	1.5	1.8
A	H16	80	H	16	14	12	9.5	6.8	3.6	0.5
B	H18	100		18	16	13.5	11	8	4.8	1.5
C	H20	120		20	18	15.5	13	10	6.5	2.8



Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.

They are easy to use and are economical, they are ideal for domestic use and in particular for distributing water in combination with small pressure sets.

Keep the water pressure stable to let water heater normally working.

The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ DC brushless permanent magnet motor
- ※ Insulation **Class B**
- ※ Protection **IP55**
- ※ Continuous service **S1**
- ※ Single-phase 220V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **80 °C**
- ※ Ambient temperature up to **40 °C**

Component

- ※ **Pump body:** Techno-polymer
- ※ **Motor housing:** Techno-polymer
- ※ **Impeller:** Techno-polymer
- ※ **Motor shaft:** Ceramic

Construction



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	H16	1/2" x 1/2"	1.3	180x165x115
B	H18	1/2" x 1/2"	1.3	180x165x115
C	H20	3/4" x 3/4"	1.4	180x165x115



2HIC

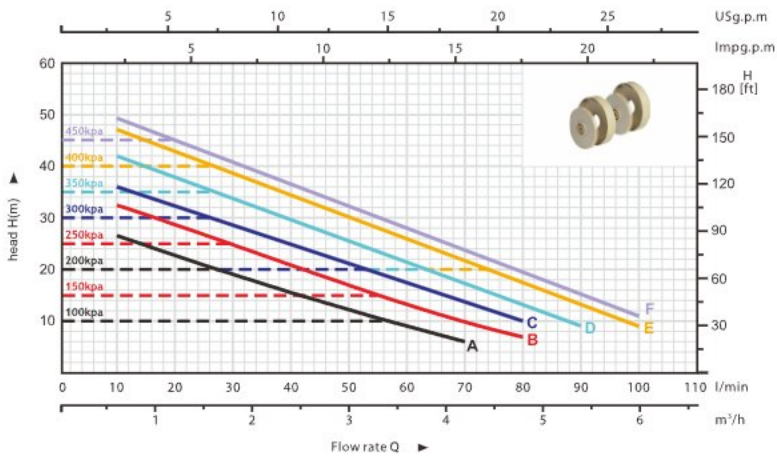
Inverter automatic pumps

Patented exclusive products



2HIC

PERFORMANCE CHART AT n=5500RPM



NO.	MODEL	POWER(IN)	Q(m³/h)	0	0.3	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6
		kW	Q(l/min)	0	5	10	20	30	40	50	60	70	80	90	100
A	2HIC-300	0.34	H	30	28	26.5	23	19.5	15.5	12	9	6			
B	2HIC-400	0.42		35	34	32.5	29	25	21	17	13.5	10	7		
C	2HIC-500	0.5		40	38	36	32	28	24.5	20.5	17	13.5	10		
D	2HIC-600	0.58		45	44	42	37.5	33	29	25	21	17	13	9	
E	2HIC-700	0.65		48	47.5	47	43	38	33.5	29	25	21	17	13	9
F	2HIC-800	0.75		51	49.5	49	45	40	35	30.5	26.5	22.5	18.5	14.5	10.5

Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.

They are easy to use and are economical, they are ideal for domestic use and in particular for distributing water in combination with small pressure sets and for the irrigation of gardens and allotments.

Keep the water pressure stable to let water heater normally working.

The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Permanent magnet synchronous motor
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Single-phase 220V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **7 m**

Component

- ※ **Pump body:** Techno-polymer
- ※ **Pump cover:** Aluminum
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Techno-polymer
- ※ **Motor shaft:** AISI304
- ※ **Mechanical seal:** SIC/Graphite

Construction

NO.	MODEL	INLET/OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(mm)
A	2HIC-300	1" x 1"	6.5	395×276×340
B	2HIC-400	1" x 1"	6.6	395×276×340
C	2HIC-500	1" x 1"	7.5	395×276×340
D	2HIC-600	1" x 1"	7.7	395×276×340
E	2HIC-700	1" x 1"	7.8	395×276×340
F	2HIC-800	1" x 1"	8.5	395×276×340



Inverter automatic pumps



ACQm-P

Centrifugal pumps
Patented exclusive products

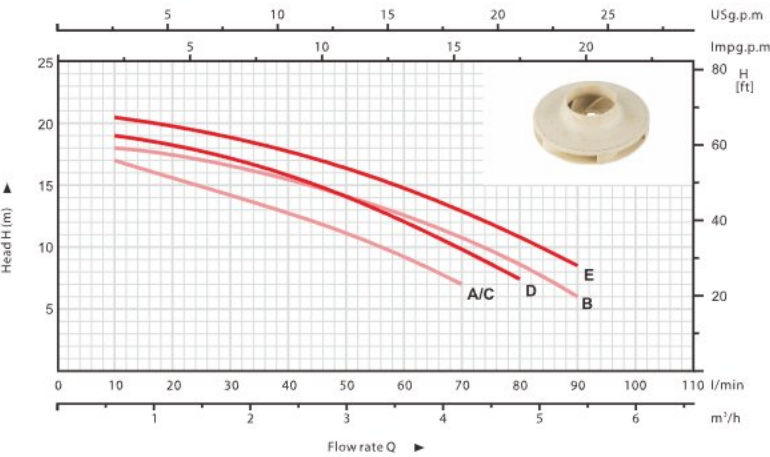


HBCQm-P
(if request)



ACQm-P

PERFORMANCE CHART



NO.	MODEL	POWER		Q(m³/h)	Q(l/min)									
		kW	HP		0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4
A	ACQm25P (50Hz)	0.18	0.25	H	18	17	15.8	14.5	13	11.2	9.3	7		
B	ACQm33P (50Hz)	0.25	0.33		18.5	18	17.3	16.5	15.5	14.2	12.5	10.5	8.5	6
C	ACQm25P (60Hz)	0.18	0.25		18	17	15.8	14.5	13	11.2	9.3	7		
D	ACQm33P (60Hz)	0.25	0.33		20	19	17.8	16.5	15	13.5	11.7	9.7	7.5	
E	ACQm50P (60Hz)	0.37	0.5		21	20.5	19.8	18.8	17.5	16.2	14.5	12.8	10.8	8.5

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
As a result of their reliability and the fact that they are easy to use, these pumps are widely used in domestic and civil applications such as the distribution of water in combination with small and medium sized pressure sets, for transferring liquids and for the irrigation of gardens and allotments. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 110V or 220V/60Hz
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **40 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **8 m**

Component

- ※ **Pump body:** Techno-polymer
- ※ **Pump support:** Aluminum
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Techno-polymer
- ※ **Motor shaft:** Carbon steel, AISI304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite

Construction

- ※ **Pump body:** Techno-polymer
- ※ **Pump support:** Aluminum
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Techno-polymer
- ※ **Motor shaft:** Carbon steel, AISI304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite

NO.	MODEL	INLET/OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(mm)
A	ACQm25P (50Hz)	1" x 1"	4.2	295x190x220
B	ACQm33P (50Hz)	1" x 1"	4.6	295x190x220
C	ACQm25P (60Hz)	1" x 1"	3.8	295x190x220
D	ACQm33P (60Hz)	1" x 1"	4.3	295x190x220
E	ACQm50P (60Hz)	1" x 1"	5.2	295x190x220



AGm

Centrifugal pumps
Patented exclusive products

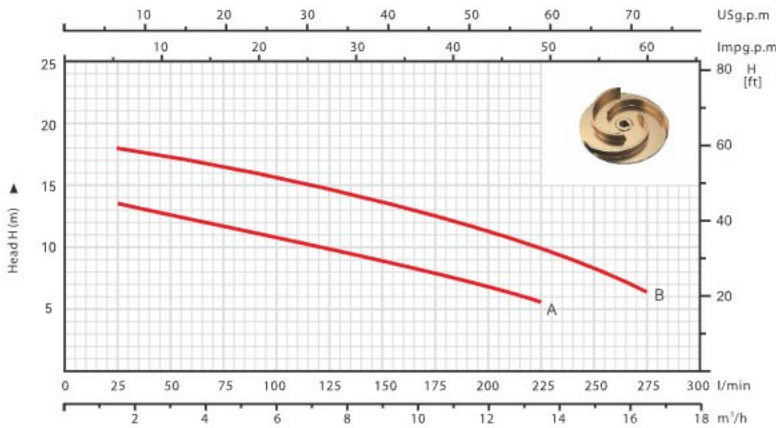


HBGm
(if request)



AGm

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	Q(l/min)									
		kW	HP		0	1.5	3	4.5	6	7.5	9	10.5	12	13.5
A	AGm/1B	0.55	0.75	H	14.5	13.5	12.5	11.7	11	10	9	8	7	5.5
B	AGm/1A	0.75	1		19	18	17.2	16.4	15.5	14.5	13.5	12.5	11.5	10



Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
As a result of their reliability and the fact that they are easy to use, these pumps are widely used in domestic and civil applications such as the distribution of water in combination with small and medium sized pressure sets, for transferring liquids and for the irrigation of gardens and allotments. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **8 m**

Component

- ※ **Pump body:** Cast iron
- ※ **Pump support:** Cast iron
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Brass
- ※ **Motor shaft:** Carbon steel, AISI304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite

Construction

- ※ **Pump body:** Cast iron
- ※ **Pump support:** Cast iron
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Brass
- ※ **Motor shaft:** Carbon steel, AISI304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite

NO.	MODEL	INLET/OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(mm)
A	AGm/1B	1½" x 1½"	11.5	350x215x280
B	AGm/1A	1½" x 1½"	12.7	350x215x280

ACm

Centrifugal pumps

Patented exclusive products



ACm



HBCm
(if request)

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made. As a result of their reliability and the fact that they are easy to use, these pumps are widely used in domestic and civil applications such as the distribution of water in combination with small and medium sized pressure sets, for transferring liquids and for the irrigation of gardens and allotments. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **8 m**

Component

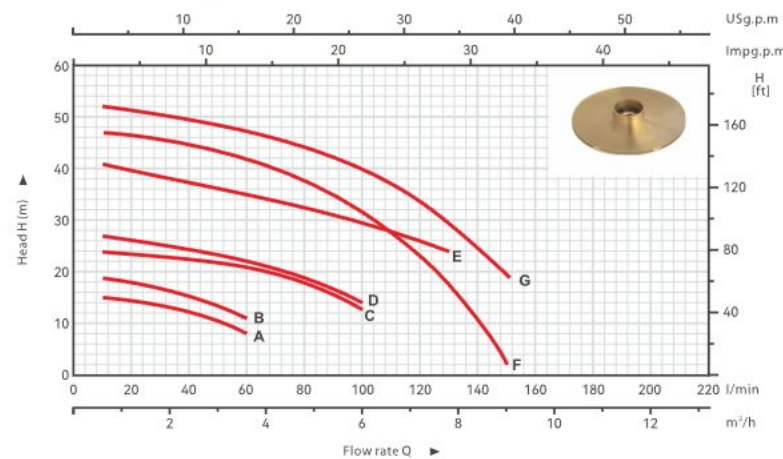
- ※ **Pump body:** Cast iron
- ※ **Pump support:** Aluminum
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Brass(0.25~2.2 kW), AISI304 SS(1.1 kW)
- ※ **Motor shaft:** Carbon steel, AISI304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite

Construction

NO.	MODEL	INLET/OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(mm)
A	ACm100	1" x 1"	6.2	290×180×230
B	ACm130	1" x 1"	6.6	290×180×230
C	ACm146	1" x 1"	9.8	325×205×275
D	ACm158	1" x 1"	10.8	325×205×275
E	ACm170	1" x 1"	17.8	400×245×305
F	ACm190	1 1/2" x 1"	21.8	430×260×310
G	AC200	1 1/2" x 1"	22	430×260×310



PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	Q(l/min)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6	6.6	7.2	7.8	8.4	9
		kW	HP			0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150
A	ACm100	0.25	0.33	H	17	16	15	14	13	11	8										
B	ACm130	0.37	0.5			19	18	17	16	15	13	11									
C	ACm146	0.55	0.75			24	24	23	23	22	21	20	18	16	13						
D	ACm158	0.75	1			28	27	26	25	23	22	21	20	19	17	14					
E	ACm170	1.1	1.5			41	40	39	38	37	36	35	33.8	32.5	31	29.5	28	26	24		
F	ACm190	1.5	2			47	46	45	44	42.5	42	41	39.5	38	36.5	34	31	27	20	10	2
G	AC200	2.2	3			52	51	49	48	47	46	45	44	42.5	41	39	37	34	30	26	19

ACm25/160B

Centrifugal pumps

Patented exclusive products



ACm25/160B



HBCm25/160B
(if request)

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made. As a result of their reliability and the fact that they are easy to use, these pumps are widely used in domestic and civil applications such as the distribution of water in combination with small and medium sized pressure sets, for transferring liquids and for the irrigation of gardens and allotments. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

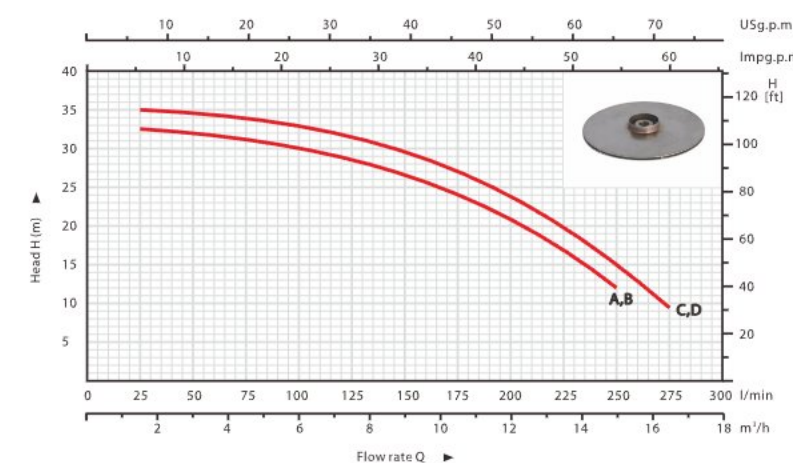
- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **8 m**

Component

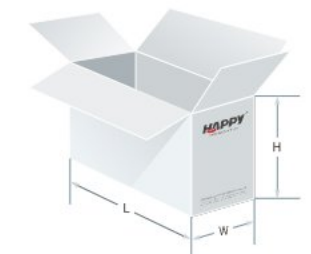
- ※ **Pump body:** Cast iron
- ※ **Pump support:** Aluminum
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** AISI304 SS
- ※ **Motor shaft:** Carbon steel, AISI304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite

Construction

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	Q(l/min)	0	1.5	3	4.5	6	7.5	9	10.5	12	13.5	15	16.5
		kW	HP			0	25	50	75	100	125	150	175	200	225	250	275
A	ACm25/160B	1.1	1.5	H	33	32.5	32	31	30	28.5	26.5	24	21	17	12		
B	ACm40/160B	1.1	1.5			33	32.5	32	31	30	28.5	26.5	24	21	17	12	
C	ACm25/160A	1.5	2			35.5	35	34.5	34	33	31.5	29.5	27	24	20	15	9.5
D	ACm40/160A	1.5	2			35.5	35	34.5	34	33	31.5	29.5	27	24	20	15	9.5



ACm/5A/5B/5C

Centrifugal pumps
Patented exclusive products

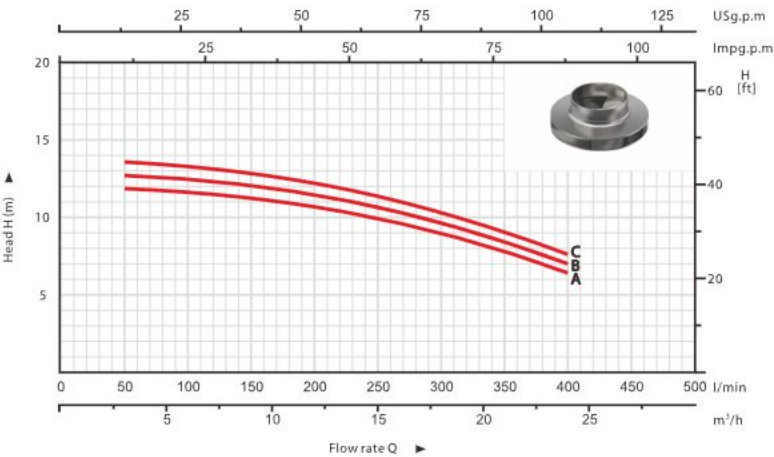


HBCm/5A/5B/5C
(if request)



ACm/5A/5B/5C

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h) Q(l/min)	0	3	6	9	12	15	18	21	24
		kW	HP		0	50	100	150	200	250	300	350	400
A	ACm/5C	0.55	0.75	H	12	11.8	11.5	11.2	10.7	10	9	7.8	6.5
B	ACm/5B	0.75	1		13	12.7	12.3	12	11.5	10.8	9.8	8.5	7
C	ACm/5A	0.9	1.2		14	13.6	13.2	12.8	12.2	11.5	10.5	9.2	7.5

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
As a result of their reliability and the fact that they are easy to use, these pumps are widely used in domestic and civil applications such as the distribution of water in combination with small and medium sized pressure sets, for transferring liquids and for the irrigation of gardens and allotments. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

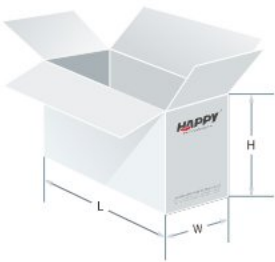
- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **8 m**

Component

- ※ **Pump body:** Cast iron
- ※ **Pump support:** Aluminum
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** AISI304 SS
- ※ **Motor shaft:** Carbon steel, AISI304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite



ACm/5AM/5BM

Centrifugal pumps
Patented exclusive products

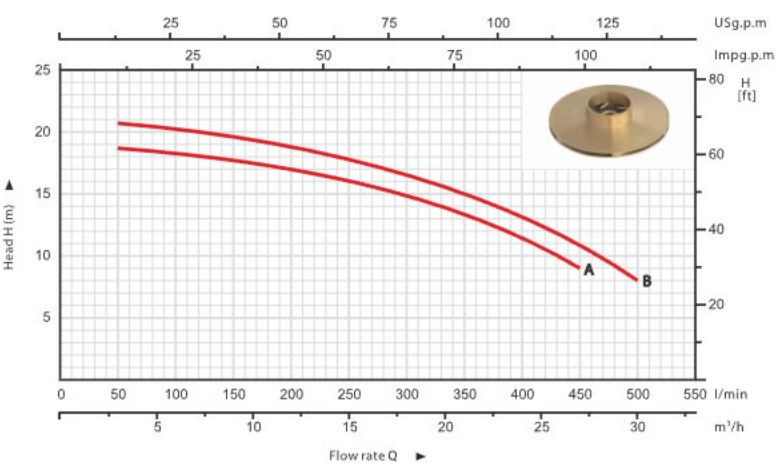


HBCm/5AM/5BM
(if request)



ACm/5AM/5BM

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h) Q(l/min)	0	6	9	12	15	18	21	24	27	30
		kW	HP		0	100	150	200	250	300	350	400	450	500
A	ACm/5BM	1.1	1.5	H	19	18	18	17	16	15	13	12	9	
B	ACm/5AM	1.5	2		21	20	19	19	18	16	15	13	11	8



Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
As a result of their reliability and the fact that they are easy to use, these pumps are widely used in domestic and civil applications such as the distribution of water in combination with small and medium sized pressure sets, for transferring liquids and for the irrigation of gardens and allotments. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **8 m**

Component

- ※ **Pump body:** Cast iron
- ※ **Pump support:** Aluminum
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Brass
- ※ **Motor shaft:** Carbon steel, AISI304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite

ASm

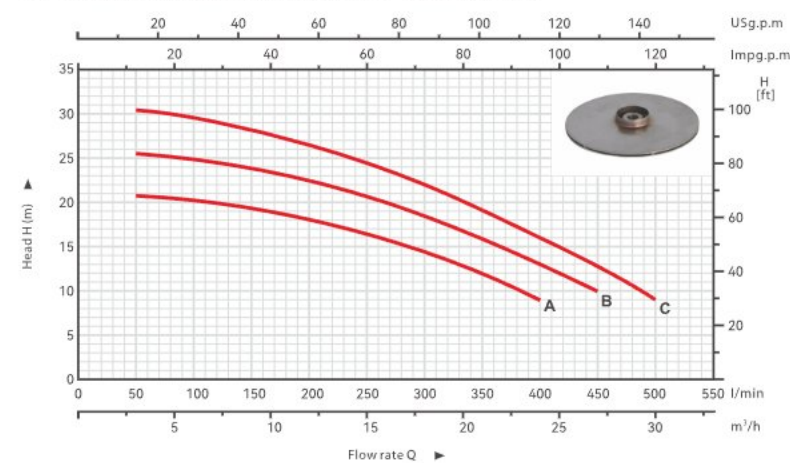
Centrifugal pumps

Patented exclusive products



HBSm
(if request)

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	Q(l/min)	0	3	6	9	12	15	18	21	24	27	30
		kW	HP			0	50	100	150	200	250	300	350	400	450	500
A	ASm-60	1.1	1.5	H	H	21	20.8	20.5	19.5	18.2	16.5	14.5	12	9		
B	ASm-70	1.5	2			26	25.5	25	24	22.5	20.5	18.5	16	13	10	
C	ASm-80	2.2	3			31	30.5	29.5	28	26.5	24.5	22	19	16	12.5	9

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made. As a result of their reliability and the fact that they are easy to use, these pumps are widely used in domestic and civil applications such as the distribution of water in combination with small and medium sized pressure sets, for transferring liquids and for the irrigation of gardens and allotments. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **8 m**

Component

- ※ **Pump body:** Cast iron
- ※ **Pump support:** Cast iron
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** AISI304 SS
- ※ **Motor shaft:** Carbon steel, AISI304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite

Construction

- Cast iron
- Cast iron
- Aluminum
- AISI304 SS
- Carbon steel, AISI304 SS if request
- Ceramic/Graphite



ACm/7BR

Centrifugal pumps

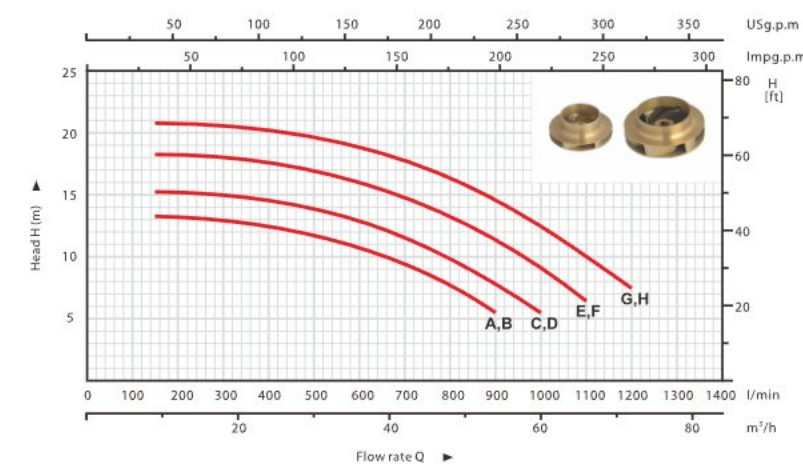
Patented exclusive products



HBCm/7BR
(if request)

ACm/7BR

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	Q(l/min)	0	18	24	30	36	42	48	54	60	66	72
		kW	HP			0	300	400	500	600	700	800	900	1000	1100	1200
A	ACm/6C	1.1	1.5	H	H	13.5	13	12.5	11.8	10.6	9.2	7.5	5.5			
B	ACm/6CR	1.1	1.5			13.5	13	12.5	11.8	10.6	9.2	7.5	5.5			
C	ACm/6B	1.5	2			15.5	15	14.6	14	13	11.5	9.8	7.8	5.5		
D	ACm/6BR	1.5	2			15.5	15	14.6	14	13	11.5	9.8	7.8	5.5		
E	ACm/6A	2.2	3			18.5	18	17.7	17	16	14.8	13.2	11.2	9	6.5	
F	ACm/6AR	2.2	3			18.5	18	17.7	17	16	14.8	13.2	11.2	9	6.5	
G	ACm/7B	3	4			21	20.5	20.2	20	19.2	18	16.5	14.8	12.5	10	7.5
H	ACm/7BR	3	4			21	20.5	20.2	20	19.2	18	16.5	14.8	12.5	10	7.5

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made. As a result of their reliability and the fact that they are easy to use, these pumps are widely used in domestic and civil applications such as the distribution of water in combination with small and medium sized pressure sets, for transferring liquids and for the irrigation of gardens and allotments. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **8 m**

Component

- ※ **Pump body:** Cast iron
- ※ **Pump support:** Cast iron
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Brass
- ※ **Motor shaft:** Carbon steel, AISI304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite

Construction

- Cast iron
- Cast iron
- Aluminum
- Brass
- Carbon steel, AISI304 SS if request
- Ceramic/Graphite

NO.	MODEL	INLET/OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(mm)
A	ACm/6C	3" x 3"	26	450x290x340
B	ACm/6CR	4" x 4"	27.5	450x290x340
C	ACm/6B	3" x 3"	27.2	450x290x340
D	ACm/6BR	4" x 4"	28.6	450x290x340
E	ACm/6A	3" x 3"	35.2	525x290x355
F	ACm/6AR	4" x 4"	36.6	525x290x355
G	ACm/7B	3" x 3"	38	525x290x355
H	ACm/7BR	4" x 4"	39.5	525x290x355

2ACm

Double-impeller centrifugal pumps

Patented exclusive products

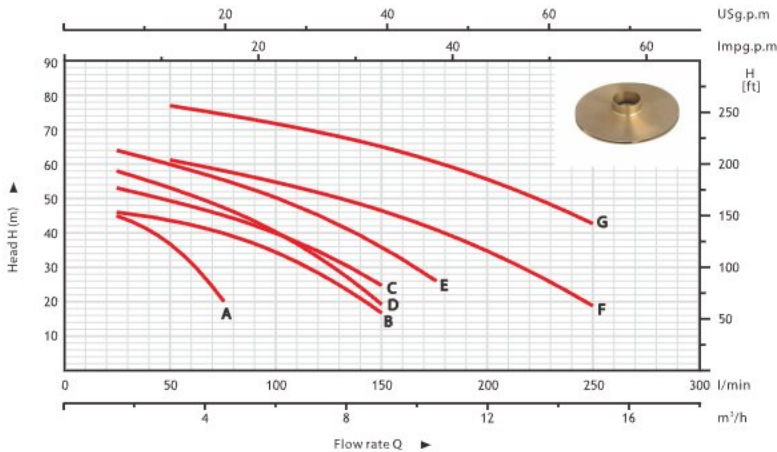


2HBCm
(if request)



2ACm

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	1.5	3	4.5	6	7.5	9	10.5	12	13.5	15
		kW	HP												
A	2ACm25/130	0.75	1	H	45	41	33	20							
B	2ACm25/140M	1.1	1.5		47	46	44	40	34.5	27	17				
C	2ACm25/160B	1.5	2		56	53	49.5	45	39.5	33	25				
D	2ACm160/160	1.5	2		62	58	53	47.5	39	29	19.5				
E	2AC25/160A	2.2	3		64	62	59	55	49.5	42	34	26			
F	2ACm32/200C	3	4		65	63.5	61	58.5	55	51	46.5	41	34	27	19
G	2AC32/200B	4	5.5		80	79	77	74.5	72	69	65	60	55	49	43

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.

As a result of their reliability and the fact that they are easy to use, these pumps are widely used in domestic and civil applications such as the distribution of water in combination with small and medium sized pressure sets, for transferring liquids and for the irrigation of gardens and allotments. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **8 m**

Component

- ※ **Pump body:**
- ※ **Pump support:**
- ※ **Motor housing:**
- ※ **Impeller:**

Construction

- Cast iron
- Cast iron
- Aluminum
- AISI304 SS(0.75~1.5kW,NO.A/B/C)
Brass(1.5~4kW,NO.D/E/F/G)
- Carbon steel, AISI304 SS if request
- Ceramic/Graphite

AMCm

Centrifugal pumps

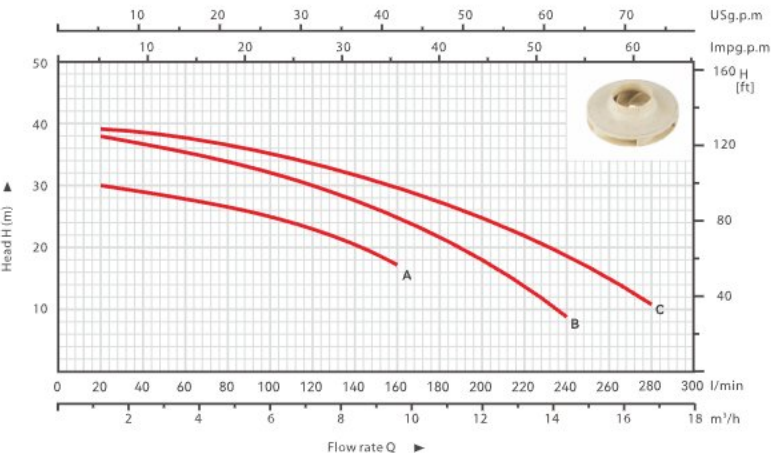


AMCm-1HP/1.5HP



AMCm-2HP

PERFORMANCE CHART AT n=3450RPM



NO.	MODEL	POWER		Q(m³/h)	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8	12	13.2	14.4	15.6	16.8
		kW	HP																
A	AMCm-1HP	0.75	1	H	31	30	29	27.8	26.3	24.3	22.3	20.2	17.8						
B	AMCm-1.5HP	1.1	1.5		38	37	35.8	34.7	33.5	32	30	27.8	25	21.8	18	13.5	9		
C	AMCm-2HP	1.5	2		39	38.8	38.3	37.8	37	35.8	34.5	32.5	30.5	28	25	22	18.5	14.5	10.5

Application

Can be used to transfer clean water or other liquids similar to water in physical and chemical properties
Ideal for housing, enterprises, irrigation systems, equipment supply and water pressure.

Motor

- ※ Two-pole induction motor(n=3450 r.p.m)
- ※ Insulation **Class F**
- ※ Protection **IP23**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase **115V/230V/60Hz**

Operating conditions

- ※ Liquid temperature up to **40 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **8 m**

Component

- ※ **Pump body:**
- ※ **Pump support:**
- ※ **Motor housing:**
- ※ **Impeller:**
- ※ **Motor shaft:**
- ※ **Mechanical seal:**

Construction

- Cast iron
- Cast iron
- Sheet steel
- Techno-polymer
- Carbon steel, AISI304 SS if request
- Ceramic/Graphite



HBMS

Centrifugal pumps

Patented exclusive products



Application

Applicable for liquid transportation and circulation in the light industry sector, boosting and household water supply, cooling system and air conditioning system, etc.

Motor

- ※ Two-pole induction motor (n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IPX5**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz
- Three-phase 380V/50Hz

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **8 m**

Component

- ※ **Pump body:** AISI304 SS
- ※ **Pump support:** Aluminum
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** AISI304 SS
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** SIC/Graphite

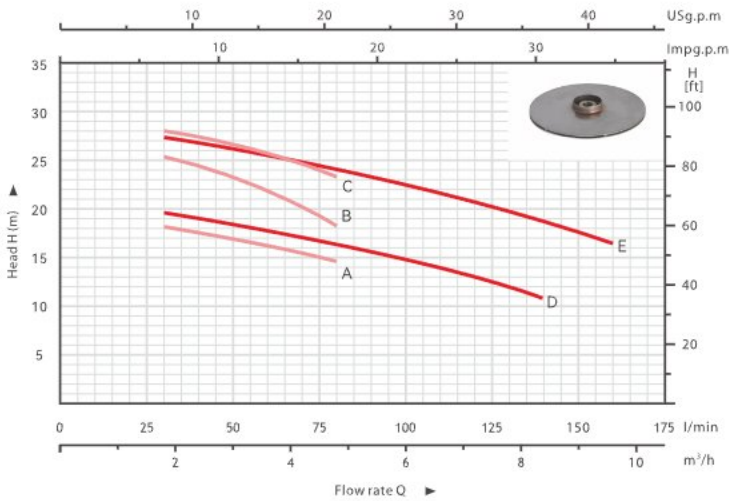
Construction

- ※ **Pump body:** AISI304 SS
- ※ **Pump support:** Aluminum
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** AISI304 SS
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** SIC/Graphite



HBMS70

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(mm)
A	HBMS(m)70/0.37	G1 $\frac{1}{4}$ "×G1"	10	400×235×275
B	HBMS(m)70/0.55	G1 $\frac{1}{4}$ "×G1"	11.2	400×235×275
C	HBMS(m)70/0.75	G1 $\frac{1}{4}$ "×G1"	12	400×235×275
D	HBMS(m)120/0.55	G1 $\frac{1}{4}$ "×G1"	11.2	400×235×275
E	HBMS(m)120/1.1	G1 $\frac{1}{4}$ "×G1"	15.3	430×235×275



NO.	MODEL	POWER		Q(m³/h)	0	1.8	2.4	3.6	4.8	6	7.2	8.4	9.6
		kW	HP			30	40	60	80	100	120	140	160
A	HBMS(m)70/0.37	0.37	0.5	H	21	18.1	17.5	16.1	14.7				
B	HBMS(m)70/0.55	0.55	0.75		28.5	25.2	24.1	21.4	18.1				
C	HBMS(m)70/0.75	0.75	1		30	28	27.3	25.5	23.2				
D	HBMS(m)120/0.55	0.55	0.75		22	19.6	19	17.6	16.1	14.6	12.7	10.9	
E	HBMS(m)120/1.1	1.1	1.5		30	27.2	26.7	25.4	23.7	22	20.2	18.4	16.3

HBMS

Centrifugal pumps

Patented exclusive products



Application

Applicable for liquid transportation and circulation in the light industry sector, boosting and household water supply, cooling system and air conditioning system, etc.

Motor

- ※ Two-pole induction motor (n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IPX5**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz
- Three-phase 380V/50Hz

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **8 m**

Component

- ※ **Pump body:** AISI304 SS
- ※ **Pump support:** Aluminum
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** AISI304 SS
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** SIC/Graphite

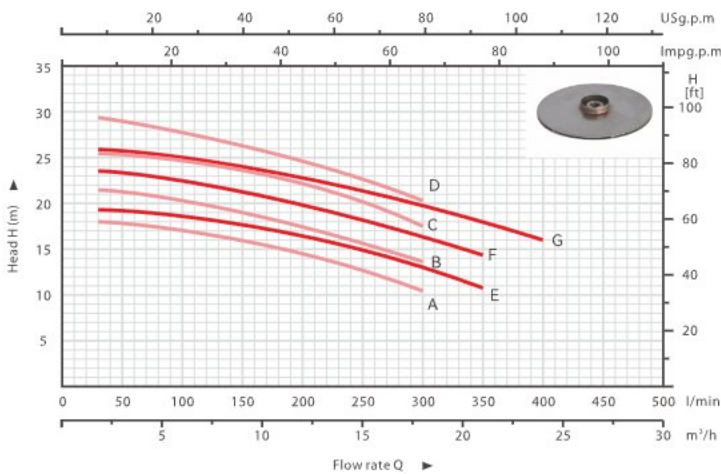
Construction

- ※ **Pump body:** AISI304 SS
- ※ **Pump support:** Aluminum
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** AISI304 SS
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** SIC/Graphite



HBMS210

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(mm)
A	HBMS(m)210/0.75	G1 $\frac{1}{2}$ "×G1 $\frac{1}{4}$ "	12.8	410×235×275
B	HBMS(m)210/1.1	G1 $\frac{1}{2}$ "×G1 $\frac{1}{4}$ "	15.3	440×235×275
C	HBMS(m)210/1.5	G1 $\frac{1}{2}$ "×G1 $\frac{1}{4}$ "	16.9	440×235×275
D	HBMS(m)210/2.2	G1 $\frac{1}{2}$ "×G1 $\frac{1}{4}$ "	18.9	440×235×275
E	HBMS(m)370/1.1	G2"×G1 $\frac{1}{4}$ "	15.3	440×235×275
F	HBMS(m)370/1.5	G2"×G1 $\frac{1}{4}$ "	17	440×235×275
G	HBMS(m)370/2.2	G2"×G1 $\frac{1}{4}$ "	19	440×235×275



NO.	MODEL	POWER		Q(m³/h)	0	1.8	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8	12	15	18	21	24
		kW	HP			30	40	60	80	100	120	140	160	180	200	250	300	350	400
A	HBMS(m)210/0.75	0.75	1	H	18	17.9	17.8	17.7	17.5	17.3	17	16.5	15.9	15.2	14.5	12.5	10.5		
B	HBMS(m)210/1.1	1.1	1.5		22	21.4	21.3	21	20.7	20.4	20	19.6	19.1	18.5	17.9	16.1	13.9		
C	HBMS(m)210/1.5	1.5	2		26	25.5	25.4	25.1	24.8	24.4	23.9	23.4	22.8	22.2	21.6	19.6	17.4		
D	HBMS(m)210/2.2	2.2	3		30	29.4	29.2	28.8	28.4	27.9	27.4	26.9	26.3	25.6	24.9	22.7	20.2		
E	HBMS(m)370/1.1	1.1	1.5		19.5	19.1	19	18.8	18.6	18.3	17.9	17.5	17.1	16.6	16.1	14.6	12.9	10.8	
F	HBMS(m)370/1.5	1.5	2		23.5	23.4	23.3	23.1	22.8	22.5	22.1	21.7	21.2	20.7	20.1	18.5	16.6	14.5	
G	HBMS(m)370/2.2	2.2	3		26	25.9	25.8	25.6	25.4	25.1	24.7	24.3	23.8	23.3	22.8	21.1	19.5	17.8	16

ACm-C

Multistage pumps

Patented exclusive products

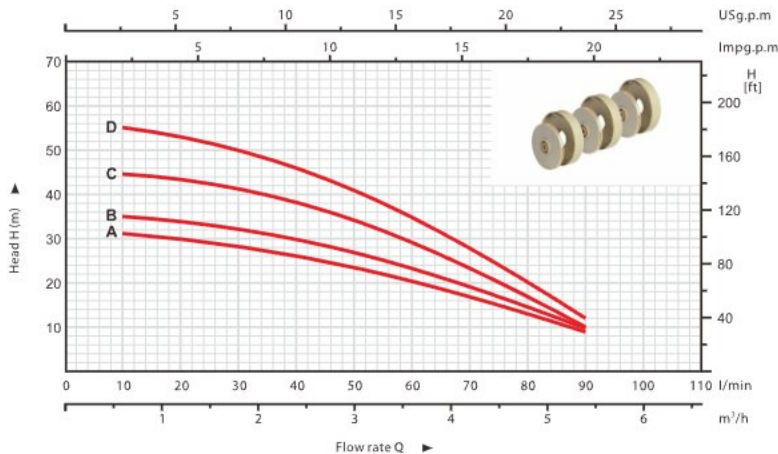


HBCm-C
(if request)



ACm-C

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)		0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4
		kW	HP	Q(l/min)	H	0	10	20	30	40	50	60	70	80	90
A	3ACm80C	0.45	0.6		H	32	31	29.8	28	26	23.8	21	18	14	9
B	3ACm100C	0.55	0.75			36	35	33.6	32	29.8	27	23.5	19.5	15	9.5
C	4ACm100C	0.75	1			45.5	44.6	43	41	38.5	35	30.5	24.6	18	10
D	5ACm100C	0.9	1.2			56	55	53	50	46	41	35	28.3	20.8	12

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.

As a result of their reliability and the fact that they are easy to use, these pumps are widely used in domestic and civil applications such as the distribution of water in combination with small and medium sized pressure sets, for transferring liquids and for the irrigation of gardens and allotments. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **8 m**

Component

- ※ **Pump body:** AISI304 SS
- ※ **Pump support:** Aluminum
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Techno-polymer
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/Graphite

Construction



Multistage pumps



HBMI(50Hz)

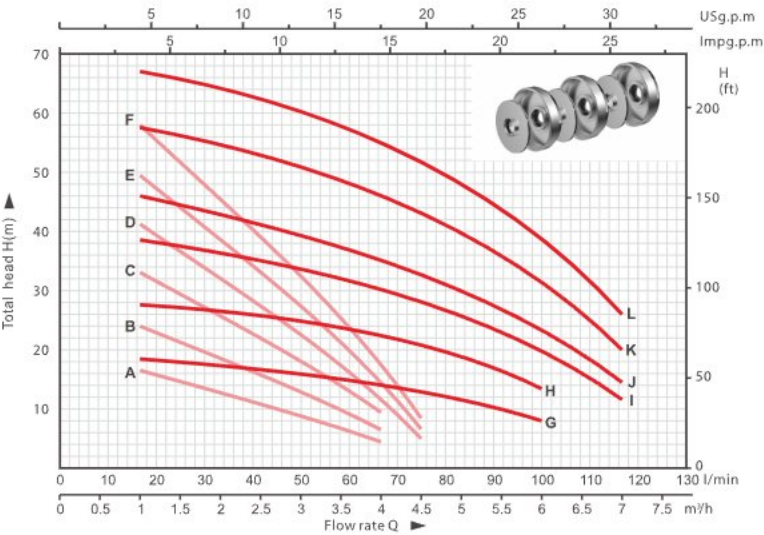
Horizontal multistage pumps

Patented exclusive products



HBMI

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	1	1.5	2	2.5	3	3.5	4	4.5
		kW	HP	Q(l/min)	0	16.7	25	33.3	41.7	50	58.3	66.7	75
A	HBMI(m)2-2	0.25	0.34	H	18	16.5	15.5	13.5	12.5	10.5	7.5	4.5	
B	HBMI(m)2-3	0.37	0.5		27	24	22	19.5	17	14	10.5	6.5	
C	HBMI(m)2-4	0.37	0.5		36.5	33	30	26.5	23	18.5	14	9.5	
D	HBMI(m)2-5	0.55	0.75		46	41	37.5	33.5	29	23.5	18	12	5
E	HBMI(m)2-6	0.75	1		56.5	49.5	46	42	36	30	23.5	15.5	6.5
F	HBMI(m)2-7	0.75	1		65	58	53.5	48	42.5	36	28	18.5	8.5

NO.	MODEL	POWER		Q(m³/h)	0	1	2	3	4	4.5	5	6	7
		kW	HP	Q(l/min)	0	16.7	33.3	50	66.7	75	83.3	100	116.7
G	HBMI(m)4-2	0.37	0.5	H	19	18.5	17.5	16	14	13	11.5	8	
H	HBMI(m)4-3	0.55	0.75		29	27.5	26.5	25	21.5	20.5	18.5	13.5	
I	HBMI(m)4-4	0.75	1		39	38.5	37	34.5	29.5	28	25	18.5	11.5
J	HBMI(m)4-5	0.75	1		47	46	44	40.5	35	32.5	29.5	22.5	14.5
K	HBMI(m)4-6	1.1	1.5		58	57.5	55	51	43	42.5	38.5	30	20
L	HBMI(m)4-7	1.3	1.74		70	67	64	60	53.5	51.5	47	37	26

HBMI(60Hz)

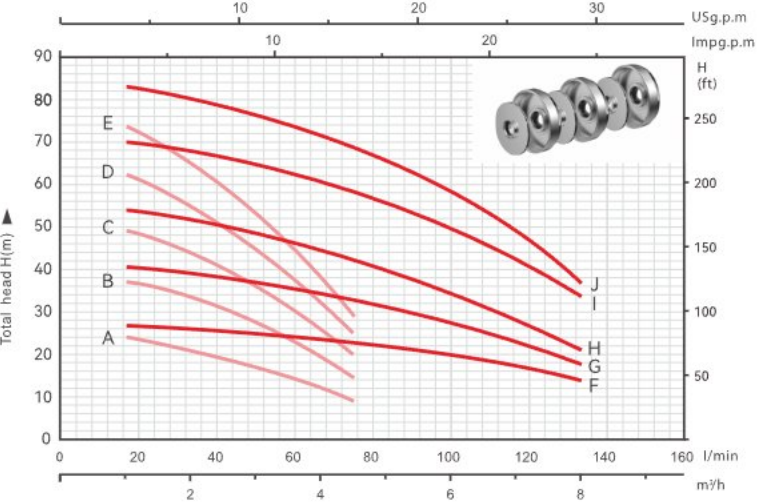
Horizontal multistage pumps

Patented exclusive products



HBMI(60Hz)

PERFORMANCE CHART AT n=3450RPM



NO.	MODEL	POWER		Q(m³/h)	0	1	1.5	2	2.5	3	3.5	4	4.5
		kW	HP		Q(l/min)	0	16.7	25	33.3	41.7	50	58.3	66.7
A	HBMI(m)2-2(60Hz)	0.37	0.5	H	26	24	22.5	21	19	17	14.5	12	9
B	HBMI(m)2-3(60Hz)	0.6	0.8		40	37.5	35.5	33.5	30.5	27.5	23.5	19.5	15
C	HBMI(m)2-4(60Hz)	0.75	1		53	49.5	47	44	40	36	31	26	20
D	HBMI(m)2-5(60Hz)	1	1.3		67	62.5	59	55	50	44.5	38.5	32	25
E	HBMI(m)2-6(60Hz)	1.1	1.5		80	74	70	65	59.5	53.5	46.5	38.5	29

NO.	MODEL	POWER		Q(m³/h)	0	1	2	3	4	5	6	7	8
		kW	HP		Q(l/min)	0	16.7	33.3	50	67	83.3	100	117
F	HBMI(m)4-2(60Hz)	0.75	1	H	27.5	27	26	25	23.5	22	20	17.5	14
G	HBMI(m)4-3(60Hz)	1	1.3		42	40.5	39	37	34.5	31	27.5	23	18
H	HBMI(m)4-4(60Hz)	1.1	1.5		56	54	51.5	48.5	44.5	40	34.5	28.5	21
I	HBMI(m)4-5(60Hz)	1.5	2		71.5	70	68	65	61	56	49.5	42	34
J	HBMI(m)4-6(60Hz)	1.8	2.4		85	83	80	76.5	71.5	66	58.5	49	37

BP-HBMI

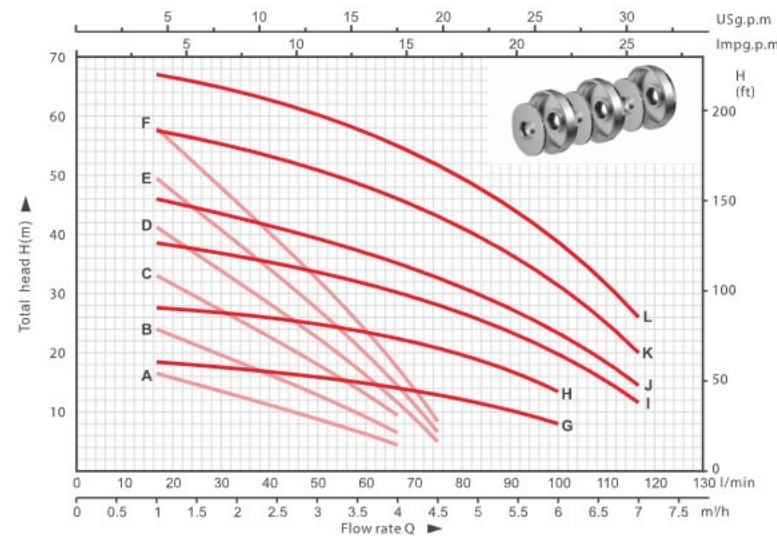
Variable-frequency multi-stage pump

Patented exclusive products



BP-HBMI

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	1	1.5	2	2.5	3	3.5	4	4.5
		kW	HP										
A	BP-HBMI(m)2-2	0.25	0.34	H	18	16.5	15.5	13.5	12.5	10.5	7.5	4.5	
B	BP-HBMI(m)2-3	0.37	0.5		27	24	22	19.5	17	14	10.5	6.5	
C	BP-HBMI(m)2-4	0.37	0.5		36.5	33	30	26.5	23	18.5	14	9.5	
D	BP-HBMI(m)2-5	0.55	0.75		46	41	37.5	33.5	29	23.5	18	12	5
E	BP-HBMI(m)2-6	0.75	1		56.5	49.5	46	42	36	30	23.5	15.5	6.5
F	BP-HBMI(m)2-7	0.75	1		65	58	53.5	48	42.5	36	28	18.5	8.5

NO.	MODEL	POWER		Q(m³/h)	0	1	2	3	4	4.5	5	6	7
		kW	HP										
G	BP-HBMI(m)4-2	0.37	0.5	H	19	18.5	17.5	16	14	13	11.5	8	
H	BP-HBMI(m)4-3	0.55	0.75		29	27.5	26.5	25	21.5	20.5	18.5	13.5	
I	BP-HBMI(m)4-4	0.75	1		39	38.5	37	34.5	29.5	28	25	18.5	11.5
J	BP-HBMI(m)4-5	0.75	1		47	46	44	40.5	35	32.5	29.5	22.5	14.5
K	BP-HBMI(m)4-6	1.1	1.5		58	57.5	55	51	43	42.5	38.5	30	20
L	BP-HBMI(m)4-7	1.3	1.74		70	67	64	60	53.5	51.5	47	37	26

Application

It integrates a frequency converter controller, check valve, pipeline, gas tank, and pressure sensor based on the HBMI series, enabling functions of variable frequency constant pressure and automatic control. Mainly used for domestic and small commercial water supply and pressure boosting in single-family villas, row houses, centralized residences, small residential areas, schools, small hotels, and small office buildings. It is also widely used in the liquid transportation and circulation, as well as cooling systems of the light industry sector.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class F**
- ※ Protection **IPX5**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **8 m**

Component

- ※ **Pump body:** Stainless steel
- ※ **Pump cover:** Aluminum
- ※ **Pump support:** Aluminum
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** AISI304 SS
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** SIC/Graphite

Construction

NO.	MODEL	INLET/OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(mm)
A	BP-HBMI(m)2-2	1" x 1"	9	332×190×540
B	BP-HBMI(m)2-3	1" x 1"	10	332×190×540
C	BP-HBMI(m)2-4	1" x 1"	10.8	350×190×540
D	BP-HBMI(m)2-5	1" x 1"	11.8	368×190×540
E	BP-HBMI(m)2-6	1" x 1"	14.3	386×190×540
F	BP-HBMI(m)2-7	1" x 1"	15	404×190×540
G	BP-HBMI(m)4-2	1 1/4" x 1"	10	332×190×540
H	BP-HBMI(m)4-3	1 1/4" x 1"	11	332×190×540
I	BP-HBMI(m)4-4	1 1/4" x 1"	13.5	373×190×540
J	BP-HBMI(m)4-5	1 1/4" x 1"	14.2	391×190×540
K	BP-HBMI(m)4-6	1 1/4" x 1"	16.6	417×178×545
L	BP-HBMI(m)4-7	1 1/4" x 1"	17.9	435×178×545

AJm

Self-priming Jet pumps

Patented exclusive products

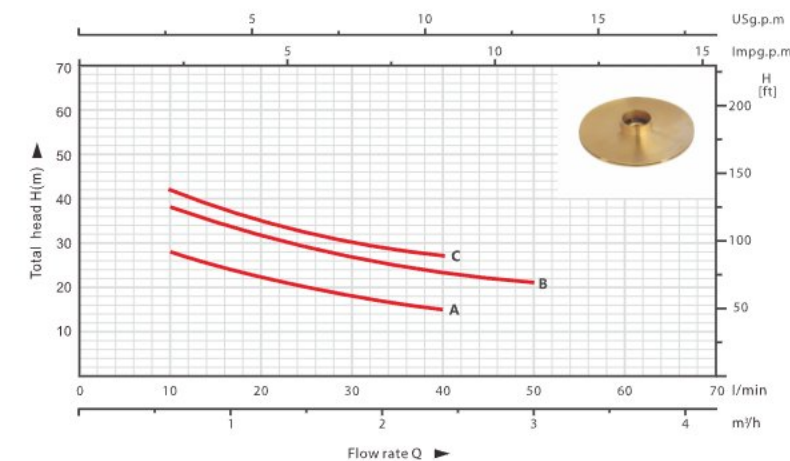


HBJm-M
(if request)



AJm-M

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	0.6	1.2	1.8	2.4	3
		kW	HP							
A	AJm-6M	0.37	0.5	H	35	28	22	18	15	
B	AJm-10M	0.75	1		43	38	31.5	27	23.5	21
C	AJm-10H	0.75	1		51	42	35	30	27	

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.

The self-priming jet pumps are designed to pump water even in cases where air is present. As a result of their reliability and the fact that they are easy to use, and recommended for use in domestic applications such as the distribution of water in combination with small or medium sized pressure sets, and for the irrigation of gardens and allotments, etc.

The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

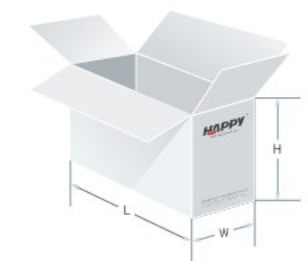
Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **9 m**

Component

- ※ **Pump body:** Cast iron
- ※ **Pump support:** Aluminum
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Brass
- ※ **Diffuser:** Techno-polymer
- ※ **Motor shaft:** Carbon steel, AISI304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite

NO.	MODEL	INLET/OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(mm)
A	AJm-6M	1" x 1"	8	370×185×201
B	AJm-10M	1" x 1"	11.6	420×205×235
C	AJm-10H	1" x 1"	11.6	420×205×235



AJm

Self-priming Jet pumps

Patented exclusive products

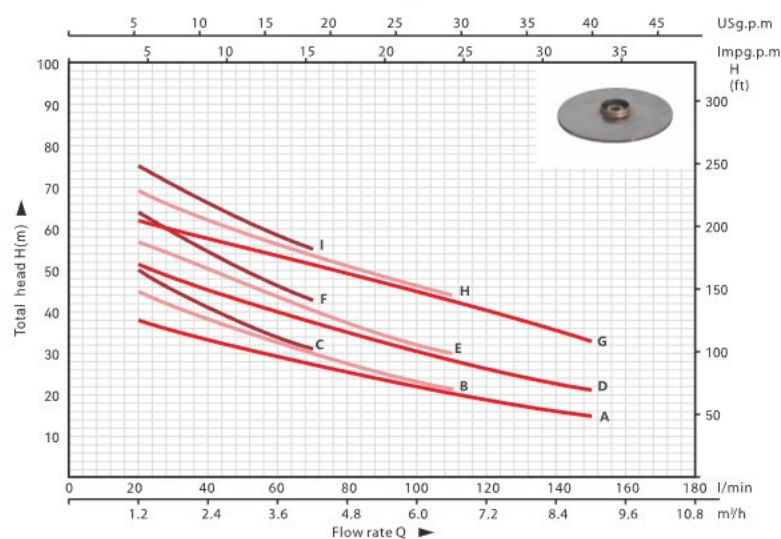


HBjm-3BL/M/H



AJm-3BL/M/H

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6.6	7.8	8.4	9
		kW	HP	Q(l/min)	0	20	30	40	50	60	70	80	90	110	130	140	150
A	AJm-3CL	1.1	1.5	H	42	38	36	34	32	30	28	26	24	20.5	17.5	16	15
B	AJm-3CM	1.1	1.5		52	45	42	38.5	35	32	29.5	27.5	25.5	21.5			
C	AJm-3CH	1.1	1.5		64	50	45.5	41.5	38	34.5	31						
D	AJm-3BL	1.5	2		55	51	48.5	46	43.5	40.5	38	35.5	33	28.5	24.5	23	21.5
E	AJm-3BM	1.5	2		65	57	54.5	51	47	43.5	40.5	37.5	34.5	30			
F	AJm-3BH	1.5	2		76	64	58.5	54	50	46	42.5						
G	AJ-3AL	2.2	3		66	62	60	58	55.5	53	50.5	48.5	46.5	42	38	35.5	33
H	AJ-3AM	2.2	3		76	69	65.5	62	59	56	53	50.5	48	44			
I	AJ-3AH	2.2	3		88	75	70	65	61	58	55						

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.

The self-priming jet pumps are designed to pump water even in cases where air is present. As a result of their reliability and the fact that they are easy to use, and recommended for use in domestic applications such as the distribution of water in combination with small or medium sized pressure sets, and for the irrigation of gardens and allotments, etc.

The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **9 m**

Component

- ※ **Pump body:** Cast iron
- ※ **Pump support:** Aluminum
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** AISI304 SS
- ※ **Diffuser:** Techno-polymer
- ※ **Motor shaft:** Carbon steel, AISI304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite

NO.	MODEL	INLET/OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(mm)
A	AJm-3CL	1 1/4" x 1"	22	570×230×280
B	AJm-3CM	1 1/4" x 1"	22	570×230×280
C	AJm-3CH	1 1/4" x 1"	22	570×230×280
D	AJm-3BL	1 1/4" x 1"	22.8	570×230×280
E	AJm-3BM	1 1/4" x 1"	22.8	570×230×280
F	AJm-3BH	1 1/4" x 1"	22.8	570×230×280
G	AJ-3AL	1 1/4" x 1"	24.5	570×230×280
H	AJ-3AM	1 1/4" x 1"	24.5	570×230×280
I	AJ-3AH	1 1/4" x 1"	24.5	570×230×280

AJm-C

Garden Jet pumps

Patented exclusive products

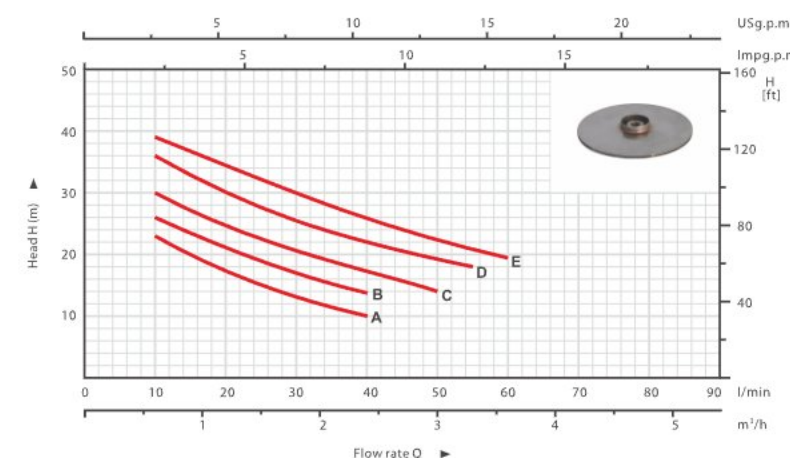


HBjm-C
(if request)



AJm-C

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	0.6	1.2	1.8	2.4	2.7	3.0	3.3	3.6
		kW	HP	Q(l/min)	0	10	20	30	40	45	50	55	60
A	AJm-40C	0.3	0.4	H	30	22	17	14	10				
B	AJm-60C	0.37	0.5		35	26	22	17	14				
C	AJm-80C	0.55	0.75		38	30	25	20	18	16	14		
D	AJm-100C	0.75	1		42	36	30	25	22	21	20	18	
E	AJm-120C	0.9	1.2		46	39	35	29	25	24	23	21	19

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.

The self-priming jet pumps are designed to pump water even in cases where air is present. As a result of their reliability and the fact that they are easy to use, they are recommended for use in domestic applications such as the distribution of water in combination with small or medium sized pressure sets, and for the irrigation of gardens and allotments, etc.

The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **9 m**

Component

- ※ **Pump body:** AISI304 SS
- ※ **Pump support:** Aluminum
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** AISI304 SS, Brass if request
- ※ **Diffuser:** Techno-polymer
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/Graphite

NO.	MODEL	INLET/OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(mm)
A	AJm-40C	1"x1"	5.5	360×190×220
B	AJm-60C	1"x1"	6	360×190×220
C	AJm-80C	1"x1"	7.5	415×210×235
D	AJm-100C	1"x1"	8.5	415×210×235
E	AJm-120C	1"x1"	9.5	415×210×235



QB

Peripheral Pumps



QB50

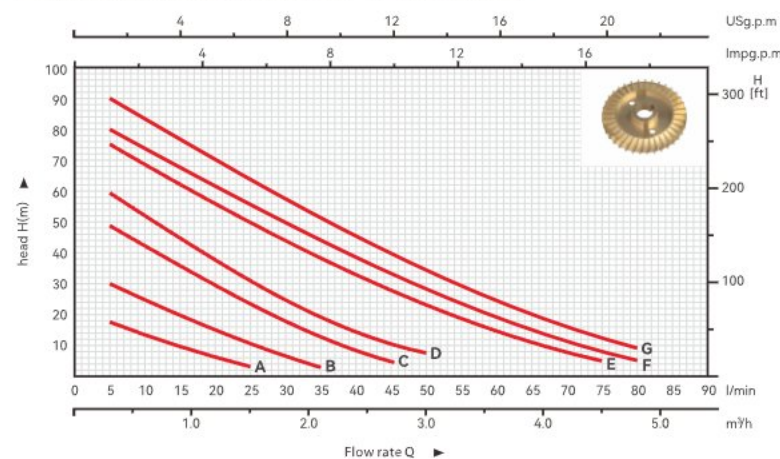


QB60



QB60-A

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	Q(l/min)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3	3.6	4.2	4.8
		kW	HP			0	5	10	15	20	25	30	35	40	45	50	60	70	80
A	QB50	0.11	0.15	H		21	17.5	13.8	10.2	6.5	3								
B	QB60	0.37	0.5			35	30	25	20	15	10.5	6.5	3						
C	QB70	0.55	0.75			55	49	43	37	30	23	17	12	8	5				
D	QB80	0.75	1			65	59	52	45	38	31	25	19	14	10	7			
E	QB100	1.1	1.5			80	75	69	62	56	50	44	39	33	27	21	15	9	2
F	QB150	1.5	2			85	80	74	68	62	56	50	44	38	32	26	19	12	5
G	QB220	2.2	3			95	90	84	78	72	66	59	53	46	39	32	24	16	9

Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.

They are easy to use and are economical, they are ideal for domestic use and in particular for distributing water in combination with small pressure sets and for the irrigation of gardens and allotments.

The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector
- ※ Single-phase 220V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **8 m**

Component

※ Pump body:

Construction

Cast iron, with brass/AISI 304 SS insert if request

※ Pump support:

Cast iron, with brass/AISI 304 SS insert if request

※ Motor housing:

Aluminum

※ Impeller:

Brass

※ Motor shaft:

Carbon steel, AISI 304 SS if request

※ Mechanical seal:

Ceramic/Graphite

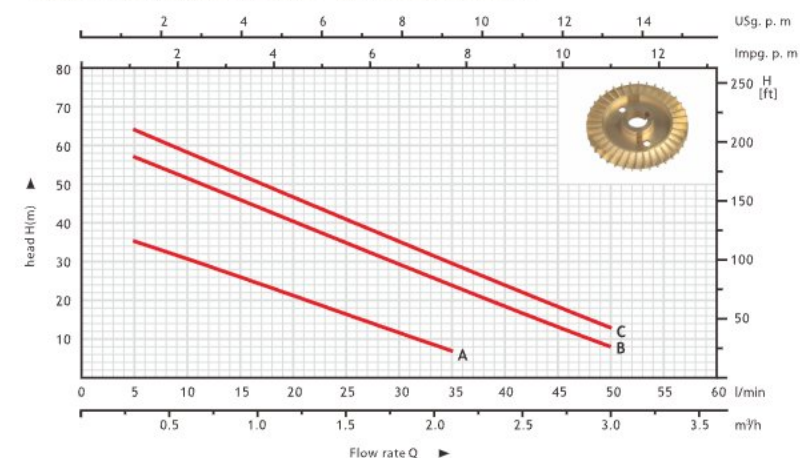
HQBm

Peripheral Pumps



HQBm60

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	Q(l/min)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	3
		kW	HP			0	5	10	15	20	25	30	35	40	50
A	HQBm60	0.37	0.5	H		40	35.5	31	26.5	22	17	12	7		
B	HQBm70	0.55	0.75			63	57	51.5	45.5	40	34	29	24	19	8
C	HQBm80	0.75	1			70	64	58	52	46	40	34.5	29	24	13

Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.

They are easy to use and are economical, they are ideal for domestic use and in particular for distributing water in combination with small pressure sets and for the irrigation of gardens and allotments.

The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector
- ※ Single-phase 220V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **8 m**

Component

※ Pump body:

Construction

Cast iron, with brass/AISI 304 SS insert if request

※ Pump support:

Cast iron, with brass/AISI 304 SS insert if request

※ Motor housing:

Aluminum

※ Impeller:

Brass

※ Motor shaft:

Carbon steel, AISI 304 SS if request

※ Mechanical seal:

Ceramic/Graphite



HKm

Peripheral Pumps



HKm



HKm-A

Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.

They are easy to use and are economical, they are ideal for domestic use and in particular for distributing water in combination with small pressure sets and for the irrigation of gardens and allotments.

The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector
- ※ Single-phase 220V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **8 m**

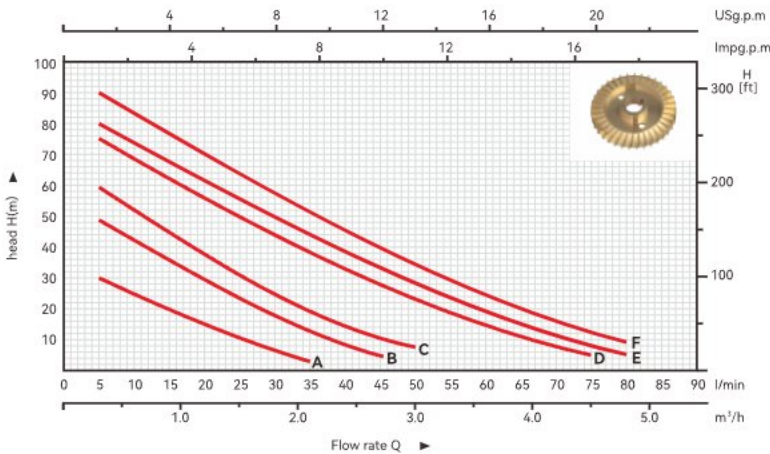
Component

- ※ **Pump body:** Cast iron, with brass/AISI 304 SS insert if request
- ※ **Pump support:** Cast iron, with brass/AISI 304 SS insert if request
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Brass
- ※ **Motor shaft:** Carbon steel, AISI 304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite

Construction

- Cast iron, with brass/AISI 304 SS insert if request
- Cast iron, with brass/AISI 304 SS insert if request
- Aluminum
- Brass
- Carbon steel, AISI 304 SS if request
- Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)		0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3	3.6	4.2	4.8
		kW	HP	Q(l/min)	Q(l/min)	0	5	10	15	20	25	30	35	40	45	50	60	70	80
A	HKm60	0.37	0.5	H	35	30	25	20	15	10.5	6.5	3							
B	HKm70	0.55	0.75		55	49	43	37	30	23	17	12		8	5				
C	HKm80	0.75	1		65	59	52	45	38	31	25	19	14	10	7				
D	HKm100	1.1	1.5		80	75	69	62	56	50	44	39	33	27	21	15	9	2	
E	HKm150	1.5	2		85	80	74	68	62	56	50	44	38	32	26	19	12	5	
F	HKm220	2.2	3		95	90	84	78	72	66	59	53	46	39	32	24	16	9	

IDB

Peripheral Pumps



IDB35



IDB40/50

Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.

They are easy to use and are economical, they are ideal for domestic use and in particular for distributing water in combination with small pressure sets and for the irrigation of gardens and allotments.

The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector
- ※ Single-phase 220V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **8 m**

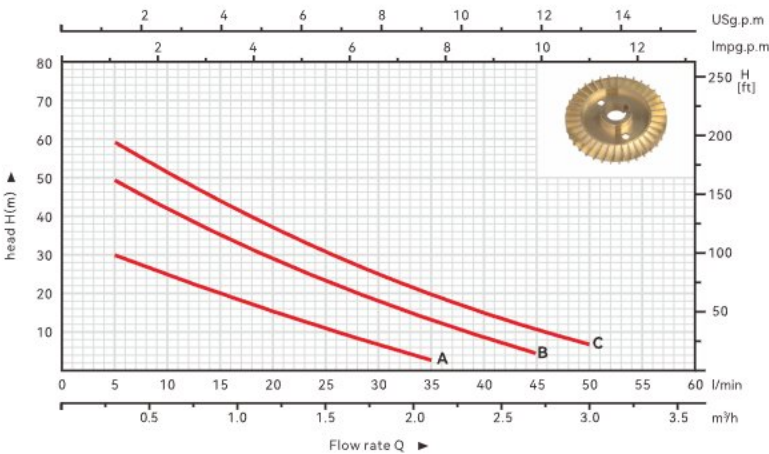
Component

- ※ **Pump body:** Cast iron, with brass/AISI 304 SS insert if request
- ※ **Pump support:** Cast iron, with brass/AISI 304 SS insert if request
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Brass
- ※ **Motor shaft:** Carbon steel, AISI 304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite

Construction

- Cast iron, with brass/AISI 304 SS insert if request
- Cast iron, with brass/AISI 304 SS insert if request
- Aluminum
- Brass
- Carbon steel, AISI 304 SS if request
- Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)		0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3
		kW	HP	Q(l/min)	Q(l/min)	0	5	10	15	20	25	30	35	40	45	50
A	IDB35	0.37	0.5	H	35	30	25	20	15	10.5	6.5	3				
B	IDB40	0.55	0.75		55	49	43	37	30	23	17	12	8	5		
C	IDB50	0.75	1		65	59	52	45	38	31	25	19	14	10	7	



VPm

Peripheral Pumps

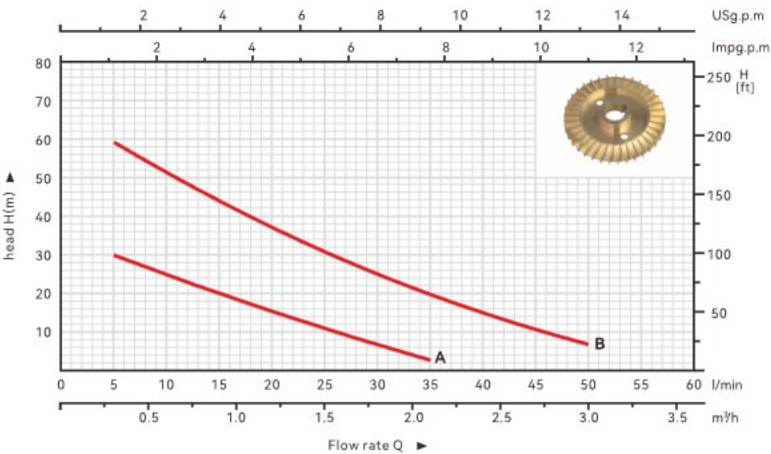


VPm45



VPm80

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3
		kW	HP												
A	VPm45	0.37	0.5	H	35	30	25	20	15	10.5	6.5	3			
B	VPm80	0.75	1		65	59	52	45	38	31	25	19	14	10	7

Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.

They are easy to use and are economical, they are ideal for domestic use and in particular for distributing water in combination with small pressure sets and for the irrigation of gardens and allotments.

The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector
- ※ Single-phase 220V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **8 m**

Component

※ **Pump body:**

Construction

Cast iron, with brass/AISI 304 SS insert if request

※ **Pump support:**

Cast iron, with brass/AISI 304 SS insert if request

※ **Motor housing:**

Aluminum

※ **Impeller:**

Brass

※ **Motor shaft:**

Carbon steel, AISI 304 SS if request

※ **Mechanical seal:**

Ceramic/Graphite



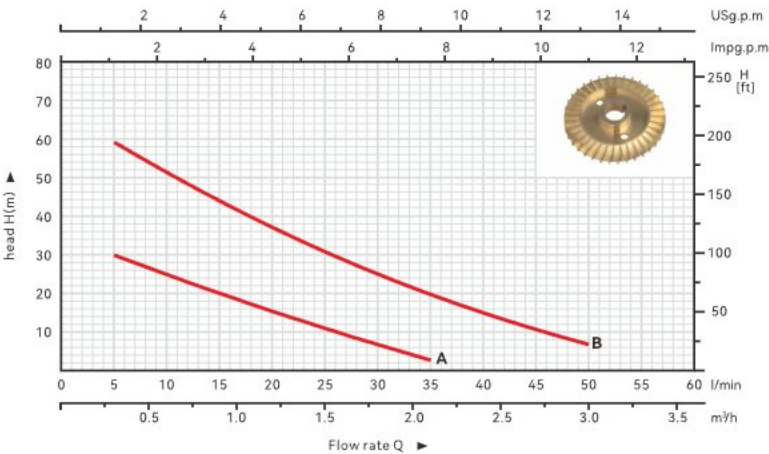
VP

Peripheral Pumps



VP

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3
		kW	HP												
A	VP5M	0.37	0.5	H	35	30	25	20	15	10.5	6.5	3			
B	VP10M	0.75	1		65	59	52	45	38	31	25	19	14	10	7



Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.

They are easy to use and are economical, they are ideal for domestic use and in particular for distributing water in combination with small pressure sets and for the irrigation of gardens and allotments.

The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector
- ※ Single-phase 220V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **8 m**

Component

※ **Pump body:**

Construction

Cast iron, with brass/AISI 304 SS insert if request

※ **Pump support:**

Cast iron, with brass/AISI 304 SS insert if request

※ **Motor housing:**

Aluminum

※ **Impeller:**

Brass

※ **Motor shaft:**

Carbon steel, AISI 304 SS if request

※ **Mechanical seal:**

Ceramic/Graphite

HQSm-A

Smart self-priming pumps



HQSm-A

Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.

They are easy to use and are economical, they are ideal for domestic use and in particular for distributing water in combination with small pressure sets and for the irrigation of gardens and allotments. The pump comes complete with a flap-check valve.

Keep the water pressure stable to let water heater normally working.

The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector
- ※ Single-phase 220V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **80 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **9 m**

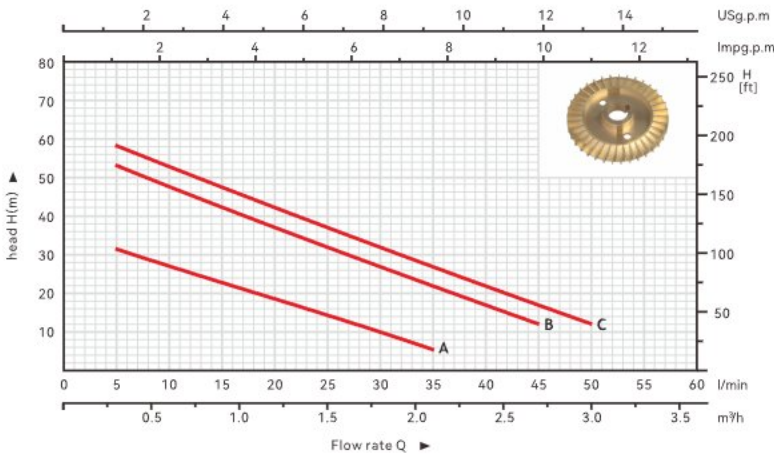
Component

- ※ **Pump body:** Cast iron + AISI304 SS insert
- ※ **Pump cover:** Cast iron (electrophoresis) + AISI304 SS insert
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Brass
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/Graphite

Construction

- ※ **Pump body:** Cast iron + AISI304 SS insert
- ※ **Pump cover:** Cast iron (electrophoresis) + AISI304 SS insert
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Brass
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(mm)
A	HQSm60-A	1" x 1"	8.3	298 x 220 x 273
B	HQSm70-A	1" x 1"	12.3	313 x 232 x 290
C	HQSm80-A	1" x 1"	13.6	313 x 232 x 290



NO.	MODEL	POWER		Q(m³/h) Q(l/min)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3
		kW	HP		0	5	10	15	20	25	30	35	40	45	50
A	HQSm60-A	0.37	0.5	H	35	31	27	22.5	18.5	14.5	10	5.5			
B	HQSm70-A	0.55	0.75		58	53	47	42	37	32	27	22	17	12	
C	HQSm80-A	0.75	1		65	58.5	52.5	47.5	42	37	32	27	22	17	12

HQSm-AX

Smart self-priming pumps



HQSm-AX

Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.

They are easy to use and are economical, they are ideal for domestic use and in particular for distributing water in combination with small pressure sets and for the irrigation of gardens and allotments. The pump comes complete with a flap-check valve.

Keep the water pressure stable to let water heater normally working.

The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector
- ※ Single-phase 220V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **80 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **9 m**

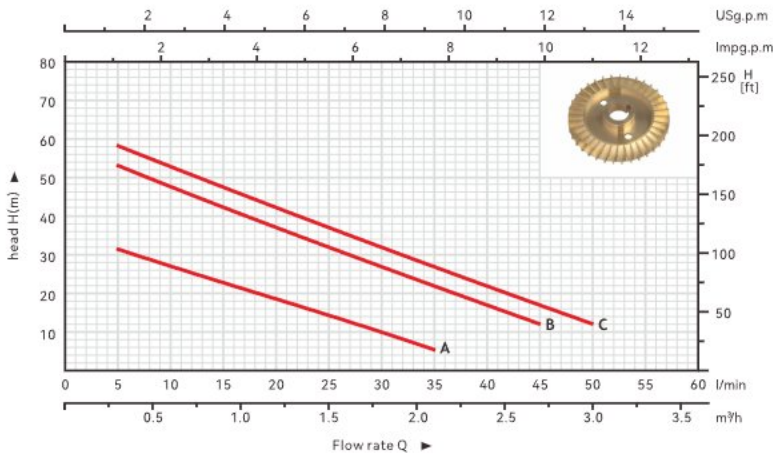
Component

- ※ **Pump body:** Cast iron + AISI304 SS insert
- ※ **Pump cover:** Pure brass
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Brass
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/Graphite

Construction

- ※ **Pump body:** Cast iron + AISI304 SS insert
- ※ **Pump cover:** Pure brass
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Brass
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(mm)
A	HQSm60-AX	1" x 1"	8.3	298 x 220 x 273
B	HQSm70-AX	1" x 1"	12.3	313 x 232 x 290
C	HQSm80-AX	1" x 1"	13.6	313 x 232 x 290



NO.	MODEL	POWER		Q(m³/h) Q(l/min)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3
		kW	HP		0	5	10	15	20	25	30	35	40	45	50
A	HQSm60-AX	0.37	0.5	H	35	31	27	22.5	18.5	14.5	10	5.5			
B	HQSm70-AX	0.55	0.75		58	53	47	42	37	32	27	22	17	12	
C	HQSm80-AX	0.75	1		65	58.5	52.5	47.5	42	37	32	27	22	17	12

HRSm-A

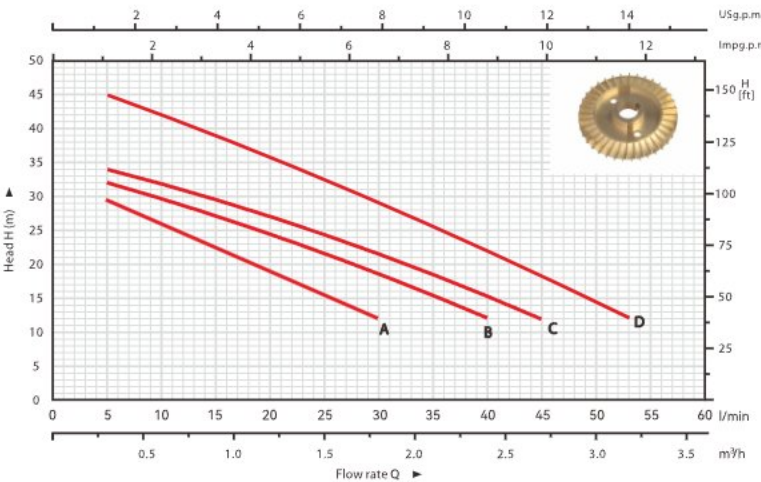
Smart self-priming pumps



(if request)

HRSm-A

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	Q(l/min)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3	3.18
		kW	HP			0	5	10	15	20	25	30	35	40	45	50	53
A	HRSm155-A	0.15	0.2	H	H	33	29.5	26	22.5	19	15.5	12					
B	HRSm205-A	0.2	0.27			35	32	29.5	27	24.5	21.5	18.5	15.5	12			
C	HRSm305-A	0.3	0.4			36.5	34	31.5	29.5	27	24.5	21.5	18.5	15	12		
D	HRSm405-A	0.4	0.54			48	45	42	39	35.5	32.5	29	25.5	22	18.5	14.5	12

HRSm-A2

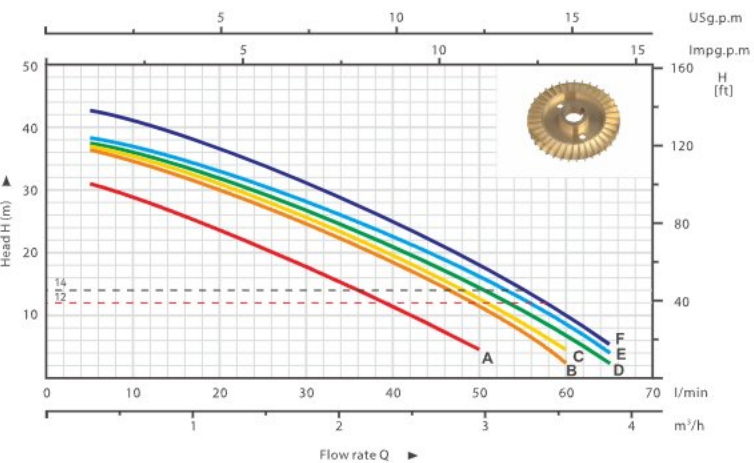
Smart self-priming pumps



(if request)

HRSm-A2

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	Q(l/min)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3	3.3	3.6	3.9
		kW	HP			0	5	10	15	20	25	30	35	40	45	50	55	60	65
A	HRSm155-A2	0.15	0.2	H	H	33.5	31.2	29	26.5	24	21	18	15	11.7	8	4.2			
B	HRSm205-A2	0.2	0.27			38	36.5	34.8	32.8	29.5	28	25	22	18.5	14.5	10.5	6.5	2.5	
C	HRSm255-A2	0.25	0.33			39	37.5	35.8	33.8	30.5	29	26	23	19.5	15.8	12	8.5	4.5	
D	HRSm305-A2	0.3	0.4			39.5	37.8	36.2	34.2	31	29.7	27.2	24.5	21.5	18	14.3	10.5	6.5	2.5
E	HRSm355-A2	0.35	0.47			40	38.5	36.7	34.8	32	30.5	28	25.3	22.5	19.2	15.8	12	8	4
F	HRSm405-A2	0.4	0.54			44	42.5	40.7	38.5	32.2	33.8	31	28	24.8	21.5	18	13.9	9.8	5.5

Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.

They are easy to use and are economical, they are ideal for domestic use and in particular for distributing water in combination with small pressure sets and for the irrigation of gardens and allotments. The pump comes complete with a flap-check valve.

Keep the water pressure stable to let water heater normally working.

The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector
- ※ Single-phase 220V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **45 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **8 m**

Component

- ※ **Pump body:** POM + Brass
- ※ **Pump cover:** Pure Brass
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Brass
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/Graphite

Construction

- ※ **Pump body:** POM + Brass
- ※ **Pump cover:** Pure Brass
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Brass
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/Graphite

NO.	MODEL	INLET/OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(mm)
A	HRSm155-A2	1"×1"	8.5	380×360×330
B	HRSm205-A2	1"×1"	9.7	380×360×330
C	HRSm255-A2	1"×1"	10.2	380×360×330
D	HRSm305-A2	1"×1"	10.5	380×360×330
E	HRSm355-A2	1"×1"	11	380×360×330
F	HRSm405-A2	1"×1"	11.5	380×360×330





Self-priming peripheral pumps



PS-A Self-priming peripheral pumps



PS-A

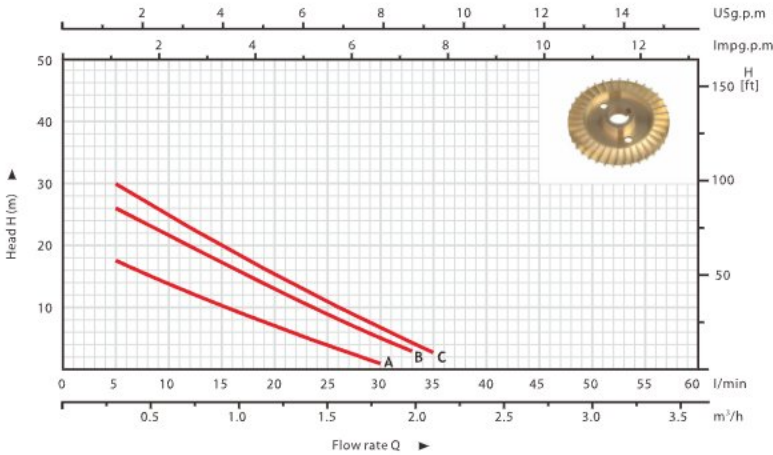
Application
Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.
As a result of their compactness, reliability and the fact that they are easy to use, they are suitable for use in domestic applications such as the distribution of water in combination with small pressure sets, for the irrigation of gardens and allotments, for drawing water from tanks and for all those other situations where air or water may be present in the water to be pumped. The pump comes complete with a flap-check valve. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

- Motor**
- ※ Two-pole induction motor(n=2850 r.p.m)
 - ※ Insulation **Class B**
 - ※ Protection **IP44**
 - ※ Continuous service **S1**
 - ※ Thermal protector
 - ※ Single-phase 220V/50Hz, 60Hz if request

- Operating conditions**
- ※ Liquid temperature up to **60 °C**
 - ※ Ambient temperature up to **40 °C**
 - ※ Total suction lift up to **9 m**

Component	Construction
※ Pump body:	Cast iron, with brass/AISI 304 SS insert if request
※ Pump support:	Cast iron, with brass/AISI 304 SS insert if request
※ Motor housing:	Aluminum
※ Impeller:	Brass
※ Motor shaft:	Carbon steel, AISI304 SS if request
※ Mechanical seal:	Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(mm)
A	PS-125A	1" x 1"	6.3	290×220×290
B	PS-250A	1" x 1"	6.8	290×220×290
C	PS-370A	1" x 1"	7.3	290×220×290



NO.	MODEL	POWER		Q(m³/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1
		kW	HP		0	5	10	15	20	25	30	35
A	PS-125A	0.125	0.17	H	20	17.5	13.8	10.2	6.5	3.5	1	
B	PS-250A	0.25	0.34		28	26	22	17.5	13	9	5	1.5
C	PS-370A	0.37	0.5		35	30	25	20	15	10.5	6.5	3

PS

Self-priming peripheral pumps

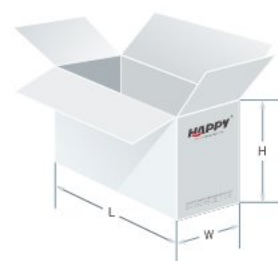
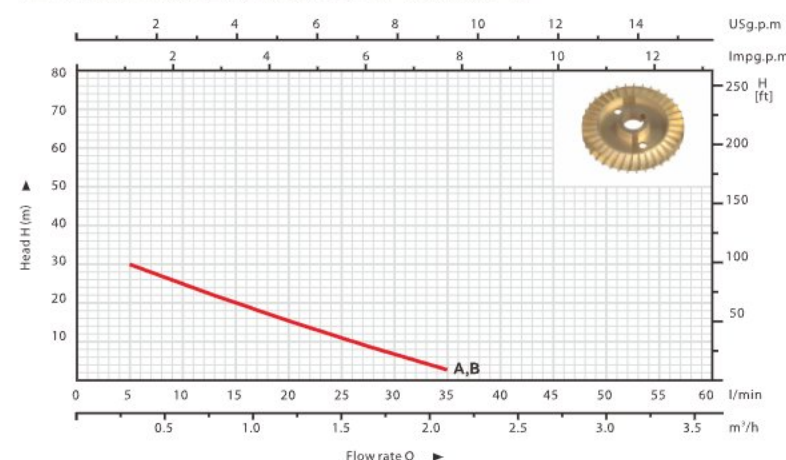


PS-126



PS-130

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h) Q(l/min)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1
		kW	HP		0	5	10	15	20	25	30	35
A	PS-126	0.37	0.5	H	35	30	25	20	15	10.5	6.5	3
B	PS-130	0.37	0.5		35	30	25	20	15	10.5	6.5	3

Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.

As a result of their compactness, reliability and the fact that they are easy to use, they are suitable for use in domestic applications such as the distribution of water in combination with small pressure sets, for the irrigation of gardens and allotments, for drawing water from tanks and for all those other situations where air or water may be present in the water to be pumped. The pump comes complete with a flap-check valve.

The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector
- ※ Single-phase 220V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **9 m**

Component

- ※ **Pump body:** Cast iron, with brass/AISI 304 SS insert if request
- ※ **Pump cover:** Cast iron, Pure brass if request
- ※ **Motor housing:** Sheet steel
- ※ **Impeller:** Brass
- ※ **Motor shaft:** Carbon steel, AISI304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite

Construction

PS

Self-priming peripheral pumps

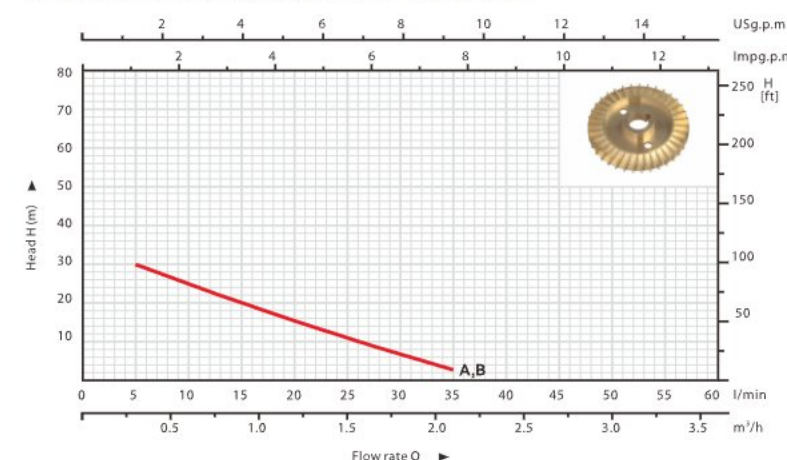


PS-130B



PS-130C

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h) Q(l/min)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1
		kW	HP		0	5	10	15	20	25	30	35
A	PS-130B	0.37	0.5	H	35	30	25	20	15	10.5	6.5	3
B	PS-130C	0.37	0.5		35	30	25	20	15	10.5	6.5	3

Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.

As a result of their compactness, reliability and the fact that they are easy to use, they are suitable for use in domestic applications such as the distribution of water in combination with small pressure sets, for the irrigation of gardens and allotments, for drawing water from tanks and for all those other situations where air or water may be present in the water to be pumped. The pump comes complete with a flap-check valve.

The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector
- ※ Single-phase 220V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **9 m**

Component

- ※ **Pump body:** Cast iron, with brass/AISI 304 SS insert if request
- ※ **Pump cover:** Cast iron, Pure brass if request
- ※ **Motor housing:** Sheet steel, Aluminum for PS-130C
- ※ **Impeller:** Brass
- ※ **Motor shaft:** Carbon steel, AISI304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite

Construction

PS

Self-priming peripheral pumps

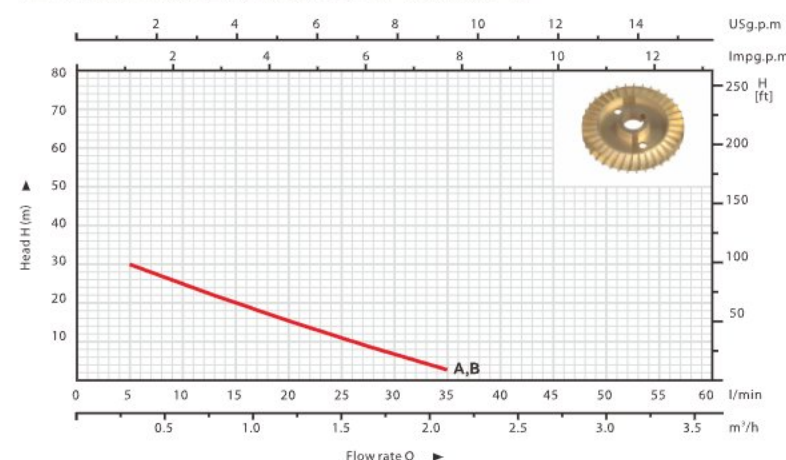


PS-130DZ

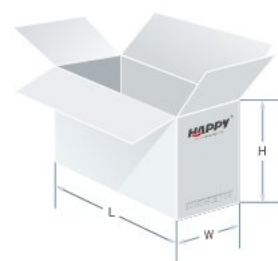


PS-130D

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	PS-130D	1" x 1"	7.4	265 x 195 x 270
B	PS-130DZ	1" x 1"	8.2	285 x 265 x 300



NO.	MODEL	POWER		Q (m³/h) Q (l/min)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1
		kW	HP		0	5	10	15	20	25	30	35
A	PS-130D	0.37	0.5	H	35	30	25	20	15	10.5	6.5	3
B	PS-130DZ	0.37	0.5		35	30	25	20	15	10.5	6.5	3

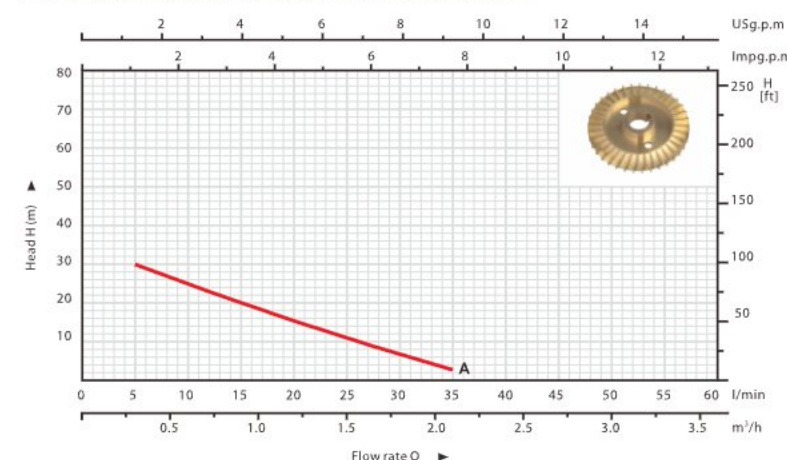
GP

Self-priming peripheral pump



GP-125

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	GP-125	1" x 1"	5	230 x 175 x 225



NO.	MODEL	POWER		Q (m³/h) Q (l/min)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1
		kW	HP		0	5	10	15	20	25	30	35
A	GP-125	0.37	0.5	H	35	30	25	20	15	10.5	6.5	3

Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.

As a result of their compactness, reliability and the fact that they are easy to use, they are suitable for use in domestic applications such as the distribution of water in combination with small pressure sets, for the irrigation of gardens and allotments, for drawing water from tanks and for all those other situations where air or water may be present in the water to be pumped. The pump comes complete with a flap-check valve.

The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor (n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector
- ※ Single-phase 220V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **9 m**

Component

- ※ **Pump body:** Cast iron, with brass/AISI 304 SS insert if request
- ※ **Pump cover:** Cast iron
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Brass
- ※ **Motor shaft:** Carbon steel, AISI304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite

Construction

Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made.

As a result of their compactness, reliability and the fact that they are easy to use, they are suitable for use in domestic applications such as the distribution of water in combination with small pressure sets, for the irrigation of gardens and allotments, for drawing water from tanks and for all those other situations where air or water may be present in the water to be pumped. The pump comes complete with a flap-check valve.

The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor (n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector
- ※ Single-phase 220V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **9 m**

Component

- ※ **Pump body:** Cast iron, with brass/AISI 304 SS insert if request
- ※ **Pump cover:** Cast iron
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Brass
- ※ **Motor shaft:** Carbon steel, AISI304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite

Construction

HKS

Self-priming peripheral pumps



HKS

Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made. As a result of their compactness, reliability and the fact that they are easy to use, they are suitable for use in domestic applications such as the distribution of water in combination with small pressure sets, for the irrigation of gardens and allotments, for drawing water from tanks and for all those other situations where air or water may be present in the water to be pumped. The pump comes complete with a flap-check valve. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector
- ※ Single-phase 220V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **9 m**

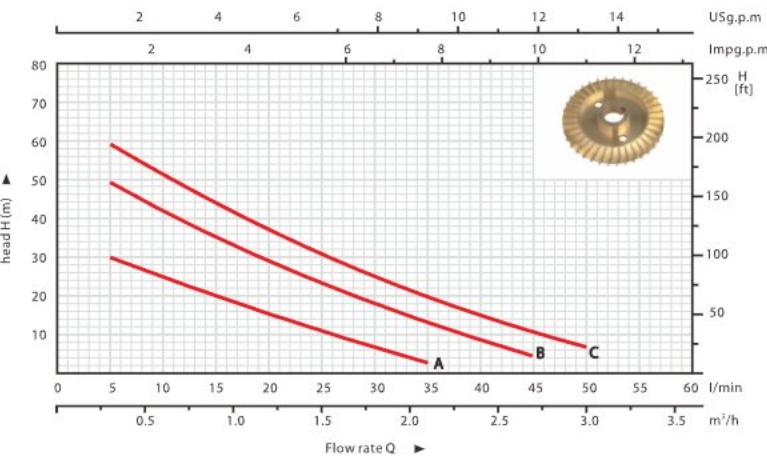
Component

- ※ **Pump body:** Cast iron, with brass/AISI 304 SS insert if request
- ※ **Pump support:** Cast iron, with brass/AISI 304 SS insert if request
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Brass
- ※ **Motor shaft:** Carbon steel, AISI304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite

Construction

- Cast iron, with brass/AISI 304 SS insert if request
- Cast iron, with brass/AISI 304 SS insert if request
- Aluminum
- Brass
- Carbon steel, AISI304 SS if request
- Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	Q(l/min)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3
		kW	HP			0	5	10	15	20	25	30	35	40	45	50
A	HKS-60	0.37	0.5	H	H	35	30	25	20	15	10.5	6.5	3			
B	HKS-70	0.55	0.75			55	49	43	37	30	23	17	12	8	5	
C	HKS-80	0.75	1			65	59	52	45	38	31	25	19	14	10	7

HKS-C-A

Self-priming peripheral pumps



HKS-C-A

Application

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made. As a result of their compactness, reliability and the fact that they are easy to use, they are suitable for use in domestic applications such as the distribution of water in combination with small pressure sets, for the irrigation of gardens and allotments, for drawing water from tanks and for all those other situations where air or water may be present in the water to be pumped. The pump comes complete with a flap-check valve. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector
- ※ Single-phase 220V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **9 m**

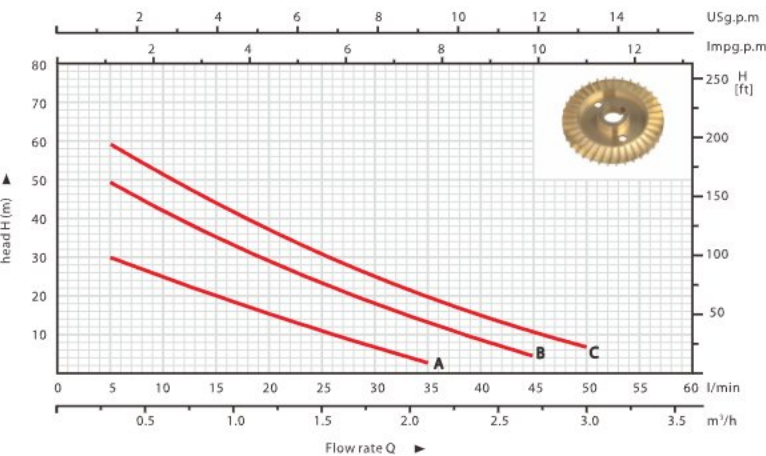
Component

- ※ **Pump body:** Cast iron, with brass/AISI 304 SS insert if request
- ※ **Pump support:** Cast iron, with brass/AISI 304 SS insert if request
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Brass
- ※ **Motor shaft:** Carbon steel, AISI304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite

Construction

- Cast iron, with brass/AISI 304 SS insert if request
- Cast iron, with brass/AISI 304 SS insert if request
- Aluminum
- Brass
- Carbon steel, AISI304 SS if request
- Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	Q(l/min)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3
		kW	HP			0	5	10	15	20	25	30	35	40	45	50
A	HKS-60C-A	0.37	0.5	H	H	35	30	25	20	15	10.5	6.5	3			
B	HKS-70C-A	0.55	0.75			55	49	43	37	30	23	17	12	8	5	
C	HKS-80C-A	0.75	1			65	59	52	45	38	31	25	19	14	10	7

HCm

Centrifugal pumps

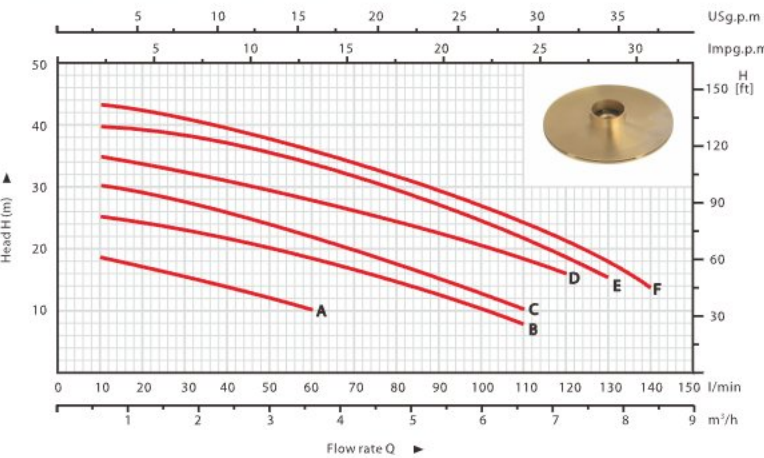


HCm158



HCm180/190/200

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)		0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6	6.6	7.2	7.8	8.4
		kW	HP	Q(l/min)		0	10	20	30	40	50	60	70	80	90	100	110	120	130	140
A	HCm130	0.37	0.5	H		20	18.5	17	15.5	14	12	10								
B	HCm146	0.55	0.75			26	25	24	23	21.5	20	18.5	17	15	13	10.5	7.5			
C	HCm158	0.75	1			32	30.5	29	27.5	25.8	24	22.5	20.5	18.5	16	13	10			
D	HCm180	1.1	1.5			36	35	34	33	31.5	30	28.5	26.5	25	23	20.5	18	15.5		
E	HCm190	1.5	2			41	40	39	38	36.5	35	33.5	32	30	27.5	25	22	18.5	15	
F	HCm200	2.2	3			44	43	42	41	39.5	38	36	34	32	29.5	26.5	23.5	20.5	17	14

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
As a result of their reliability and the fact that they are easy to use, these pumps are widely used in domestic and civil applications such as the distribution of water in combination with small and medium sized pressure sets, for transferring liquids and for the irrigation of gardens and allotments. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **8 m**

Component

- ※ **Pump body:** Cast iron
- ※ **Pump support:** Cast iron
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Brass
- ※ **Motor shaft:** Carbon steel, AISI304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite

Construction

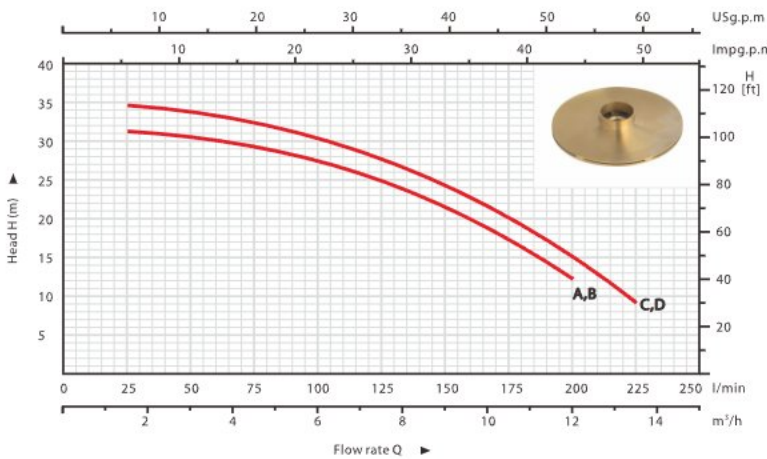
HCm

Centrifugal pumps



HCm25-160A

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)		0	1.5	3	4.5	6	7.5	9	10.5	12	13.5
		kW	HP	Q(l/min)		0	25	50	75	100	125	150	175	200	225
A	HCm25-160B	1.1	1.5	H		32	31.5	30.5	29.5	27.5	25	21.5	17.5	12	
B	HCm40-160B	1.1	1.5			32	31.5	30.5	29.5	27.5	25	21.5	17.5	12	
C	HCm25-160A	1.5	2			35	34.5	34	32.5	30.5	28	24.5	20	15	9
D	HCm40-160A	1.5	2			35	34.5	34	32.5	30.5	28	24.5	20	15	9



Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
As a result of their reliability and the fact that they are easy to use, these pumps are widely used in domestic and civil applications such as the distribution of water in combination with small and medium sized pressure sets, for transferring liquids and for the irrigation of gardens and allotments. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **8 m**

Component

- ※ **Pump body:** Cast iron
- ※ **Pump support:** Cast iron
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Brass
- ※ **Motor shaft:** Carbon steel, AISI304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite

Construction

NO.	MODEL	INLET/OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(mm)
A	HCm25-160B	1½" x 1"	21	415×245×300
B	HCm40-160B	1½" x 1½"	21.2	415×245×300
C	HCm25-160A	1½" x 1"	22	415×245×300
D	HCm40-160A	1½" x 1½"	22.2	415×245×300

HCm-1

Centrifugal pumps



HCm-1

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
As a result of their reliability and the fact that they are easy to use, these pumps are widely used in domestic and civil applications such as the distribution of water in combination with small and medium sized pressure sets, for transferring liquids and for the irrigation of gardens and allotments. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **8 m**

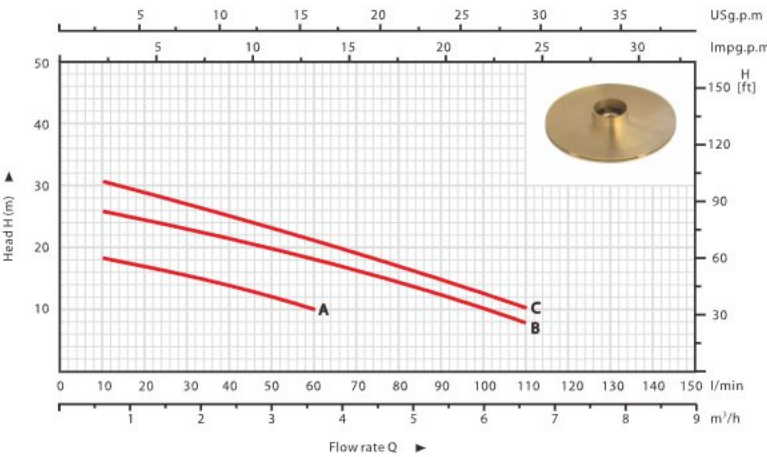
Component

- ※ **Pump body:** Cast iron
- ※ **Pump support:** Cast iron
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Brass
- ※ **Motor shaft:** Carbon steel, AISI304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite

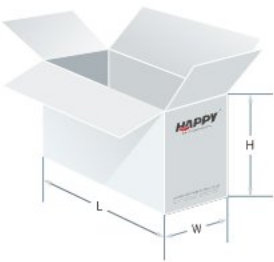
Construction

- Cast iron
- Cast iron
- Aluminum
- Brass
- Carbon steel, AISI304 SS if request
- Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(mm)
A	HCm130-1	1" x 1"	9.5	285x188x240
B	HCm146-1	1" x 1"	13	315x197x255
C	HCm158-1	1" x 1"	15.5	320x210x275



NO.	MODEL	POWER		Q(m³/h)	Q(l/min)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6	6.6
		kW	HP			0	10	20	30	40	50	60	70	80	90	100	110
A	HCm130-1	0.37	0.5	H	H	20	18.5	17	15.5	14	12	10					
B	HCm146-1	0.55	0.75			26	25	24	23	21.5	20	18.5	17	15	13	10.5	7.5
C	HCm158-1	0.75	1			32	30.5	29	27.5	25.8	24	22.5	20.5	18.5	16	13	10

HCm-2

Centrifugal pumps



HCm-2



HCm-2-A

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
As a result of their reliability and the fact that they are easy to use, these pumps are widely used in domestic and civil applications such as the distribution of water in combination with small and medium sized pressure sets, for transferring liquids and for the irrigation of gardens and allotments. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **8 m**

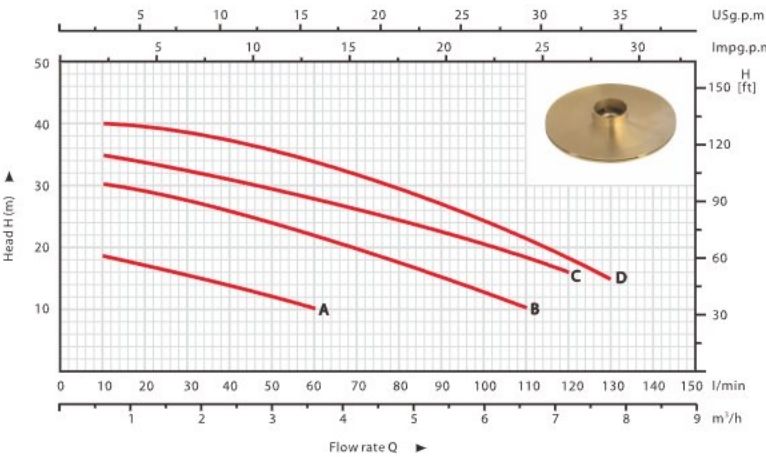
Component

- ※ **Pump body:** Cast iron
- ※ **Pump support:** Aluminum
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Brass
- ※ **Motor shaft:** Carbon steel, AISI304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite

Construction

- Cast iron
- Aluminum
- Aluminum
- Brass
- Carbon steel, AISI304 SS if request
- Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(mm)
A	HCm130-2	1" x 1"	8	290x188x240
B	HCm158-2	1" x 1"	12	312x212x265
C	HCm180-2	1" x 1"	18	380x260x290
D	HCm190-2	1" x 1"	19	380x260x290



NO.	MODEL	POWER		Q(m³/h)	Q(l/min)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6	6.6	7.2	7.8
		kW	HP			0	10	20	30	40	50	60	70	80	90	100	110	120	130
A	HCm130-2	0.37	0.5	H	H	20	18.5	17	15.5	14	12	10							
B	HCm158-2	0.75	1			32	30.5	29	27.5	25.8	24	22.5	20.5	18.5	16	13	10		
C	HCm180-2	1.1	1.5			36	35	34	33	31.5	30	28.5	26.5	25	23	20.5	18	15.5	
D	HCm190-2	1.5	2			41	40	39	38	36.5	35	33.5	32	30	27.5	25	22	18.5	15

HCm-5

Centrifugal pumps



HCm-5

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
As a result of their reliability and the fact that they are easy to use, these pumps are widely used in domestic and civil applications such as the distribution of water in combination with small and medium sized pressure sets, for transferring liquids and for the irrigation of gardens and allotments. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **8 m**

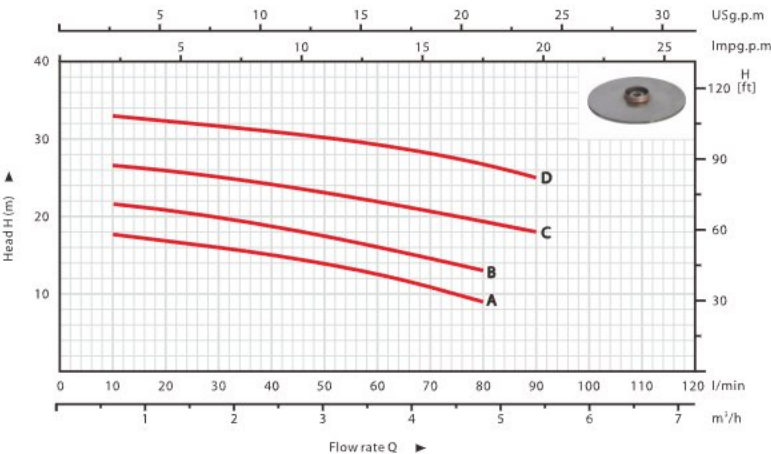
Component

- ※ **Pump body:** Cast iron
- ※ **Pump support:** Aluminum
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** AISI304 SS
- ※ **Motor shaft:** Carbon steel, AISI304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite

Construction

- Cast iron
- Aluminum
- Aluminum
- AISI304 SS
- Carbon steel, AISI304 SS if request
- Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(mm)
A	HCm100-5	1" x 1"	7.2	299x175x233
B	HCm130-5	1" x 1"	8.1	299x175x233
C	HCm146-5	1" x 1"	11.4	325x205x270
D	HCm158-5	1" x 1"	12.7	325x205x270



NO.	MODEL	POWER		Q(m³/h)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4
		kW	HP											
A	HCm100-5	0.25	0.33	H	18	17.5	16.8	16	15	14	12.5	11	9	
B	HCm130-5	0.37	0.5		22	21.5	20.8	20	19	17.5	16	14.5	13	
C	HCm146-5	0.55	0.75		27	26.5	26	25	24	23	22	21	19.5	18
D	HCm158-5	0.75	1		34	33	32.3	31.5	30.8	30	29	28	26.5	25

DK

Centrifugal pumps



1.5DK-20



2DK-20

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.
As a result of their reliability and the fact that they are easy to use, these pumps are widely used in domestic and civil applications such as the distribution of water in combination with small and medium sized pressure sets, for transferring liquids and for the irrigation of gardens and allotments. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **8 m**

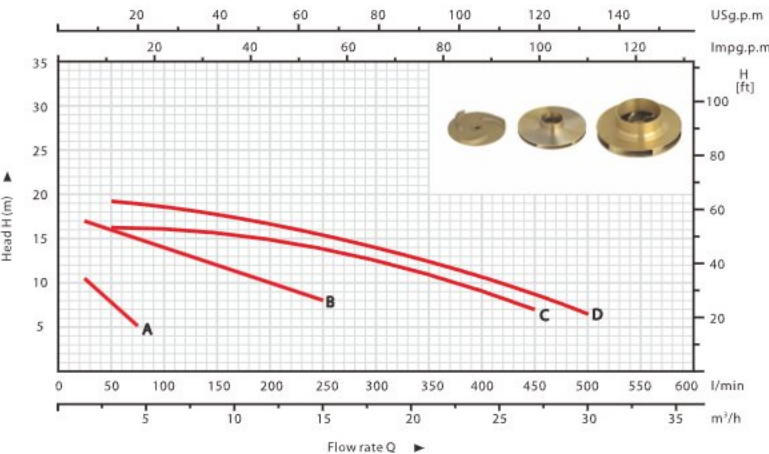
Component

- ※ **Pump body:** Cast iron
- ※ **Pump support:** Cast iron
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Brass
- ※ **Motor shaft:** Carbon steel, AISI304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite

Construction

- Cast iron
- Cast iron
- Aluminum
- Brass
- Carbon steel, AISI304 SS if request
- Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(mm)
A	1DK-14	1" x 1"	7.3	275x180x195
B	1.5DK-20	1 1/2" x 1 1/2"	10.7	320x185x210
C	2DK-16	2" x 2"	16	445x245x255
D	2DK-20	2" x 2"	17	445x245x255



NO.	MODEL	POWER		Q(m³/h)	0	1.5	3	4.5	6	9	12	15	18	21	24	27	30
		kW	HP														
A	1DK-14	0.37	0.5	H	13	10.5	8	5.5									
B	1.5DK-20	0.75	1		18	17	16	15	14	12	10	8					
C	2DK-16	1.1	1.5		17		16.5	16.3	16	15.5	15	14	12.5	11	9	7	
D	2DK-20	1.5	2		20		19.3	19	18.5	17.7	16.7	15.5	14.2	12.5	10.5	8.5	6.5

HCK

Centrifugal pumps



HCK

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made. As a result of their reliability and the fact that they are easy to use, these pumps are widely used in domestic and civil applications such as the distribution of water in combination with small and medium sized pressure sets, for transferring liquids and for the irrigation of gardens and allotments. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **8 m**

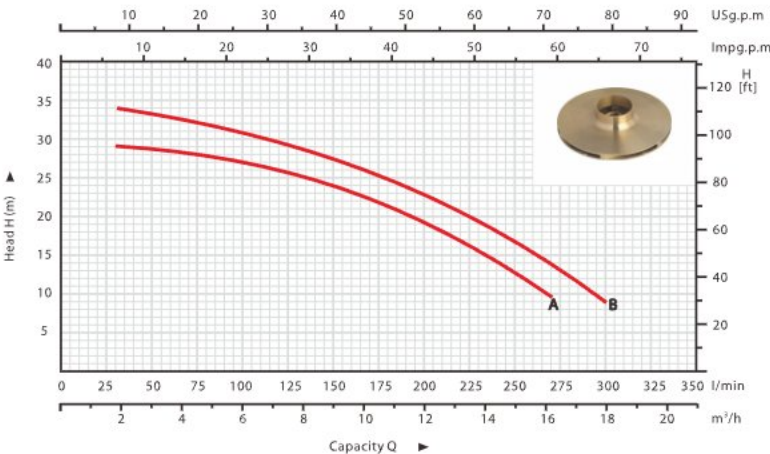
Component

- ※ **Pump body:** Cast iron
- ※ **Pump support:** Cast iron
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Brass
- ※ **Motor shaft:** Carbon steel, AISI304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite

Construction

- ※ **Pump body:** Cast iron
- ※ **Pump support:** Cast iron
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Brass
- ※ **Motor shaft:** Carbon steel, AISI304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET	N.W (Kg)	L x W x H (mm)
		(Inch)		
A	HCK-30	1 1/2" x 1"	19	360x225x285
B	HCK-36	1 1/2" x 1"	20	360x225x285



NO.	MODEL	POWER		Q(m³/h)	Q(l/min)	0	1.8	3.6	5.4	7.2	9	10.8	12.6	14.4	16.2	18
		kW	HP			0	30	60	90	120	150	180	210	240	270	300
A	HCK-30	1.1	1.5	H	H	30	29	28.5	27.5	26	24.5	22	18.5	14.5	9	
B	HCK-36	1.5	2			36	34.5	33	31.5	29.5	27.5	25	22	18.5	14	8

HCPF

Centrifugal pumps



HCPF

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made. As a result of their reliability and the fact that they are easy to use, these pumps are widely used in domestic and civil applications such as the distribution of water in combination with small and medium sized pressure sets, for transferring liquids and for the irrigation of gardens and allotments. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **8 m**

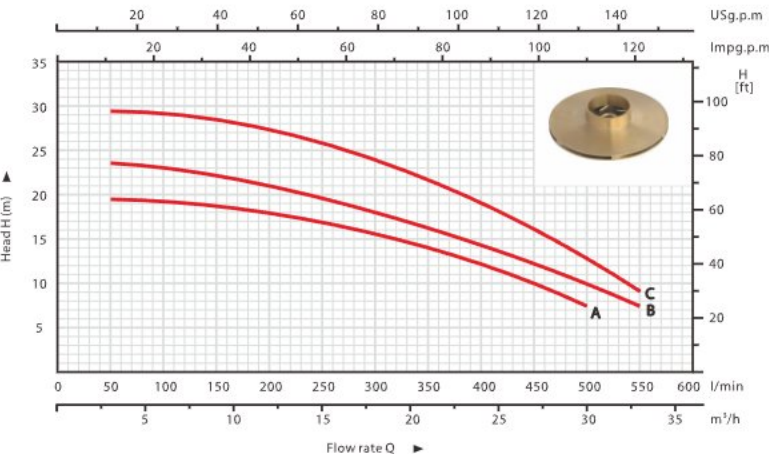
Component

- ※ **Pump body:** Cast iron
- ※ **Pump support:** Cast iron
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Brass
- ※ **Motor shaft:** Carbon steel, AISI304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite

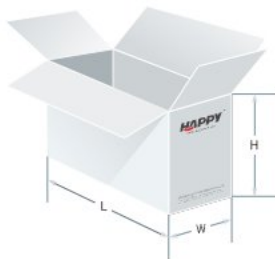
Construction

- ※ **Pump body:** Cast iron
- ※ **Pump support:** Cast iron
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Brass
- ※ **Motor shaft:** Carbon steel, AISI304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET	N.W (Kg)	L x W x H (mm)
		(Inch)		
A	HCPF-60	2" x 2"	22.5	410x240x310
B	HCPF-70	2" x 2"	23.5	410x240x310
C	HCPF-80	2" x 2"	28	430x240x310



NO.	MODEL	POWER		Q(m³/h)	Q(l/min)	0	3	6	9	12	15	18	21	24	27	30	33
		kW	HP			0	50	100	150	200	250	300	350	400	450	500	550
A	HCPF-60	1.1	1.5	H	H	20	19.5	19	18.2	17.5	16.8	15.5	14	12	10	7	
B	HCPF-70	1.5	2			24	23.5	22.5	21.5	20.5	19.5	18	16.5	14.5	12.5	10	7
C	HCPF-80	2.2	3			30	29.5	29	28	27	25.5	24	21.5	19	16	12.5	9

HTm

Centrifugal pumps



HTm

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made. As a result of their reliability and the fact that they are easy to use, these pumps are widely used in domestic and civil applications such as the distribution of water in combination with small and medium sized pressure sets, for transferring liquids and for the irrigation of gardens and allotments. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **8 m**

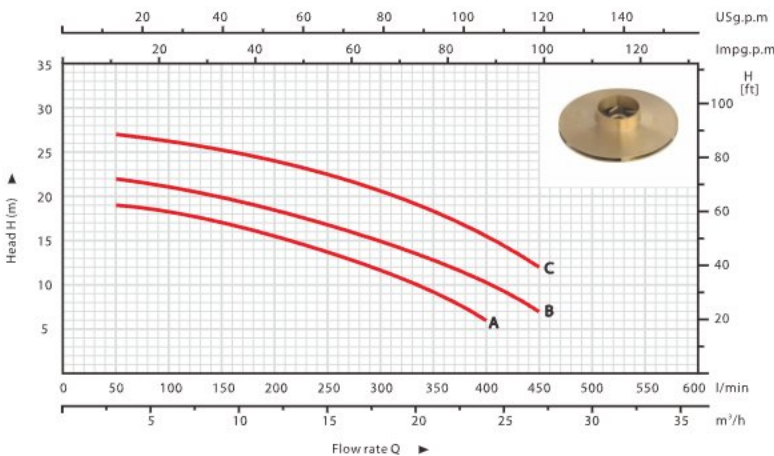
Component

- ※ **Pump body:** Cast iron
- ※ **Pump support:** Cast iron
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Brass
- ※ **Motor shaft:** Carbon steel, AISI304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite

Construction

- Cast iron
- Cast iron
- Aluminum
- Brass
- Carbon steel, AISI304 SS if request
- Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(mm)
A	HTm32-160C	2" x 2"	29.5	520 x 300 x 350
B	HTm32-160B	2" x 2"	30.5	520 x 300 x 350
C	HTm32-160A	2" x 2"	32	520 x 300 x 350



NO.	MODEL	POWER		Q(m³/h)	Q(l/min)	0	3	6	9	12	15	18	21	24	27
		kW	HP			0	50	100	150	200	250	300	350	400	450
A	HTm32-160C	1.1	1.5	H	H	20	19	18	17	15.5	13.5	11.5	9	6	
B	HTm32-160B	1.5	2			23	22	21	20	19	17	15	12.5	10	7
C	HTm32-160A	2.2	3			28	27	26	25	24	22.5	20.5	18	15.5	12

HGAm

Centrifugal pumps



HGAm

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made. As a result of their reliability and the fact that they are easy to use, these pumps are widely used in domestic and civil applications such as the distribution of water in combination with small and medium sized pressure sets, for transferring liquids and for the irrigation of gardens and allotments. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **8 m**

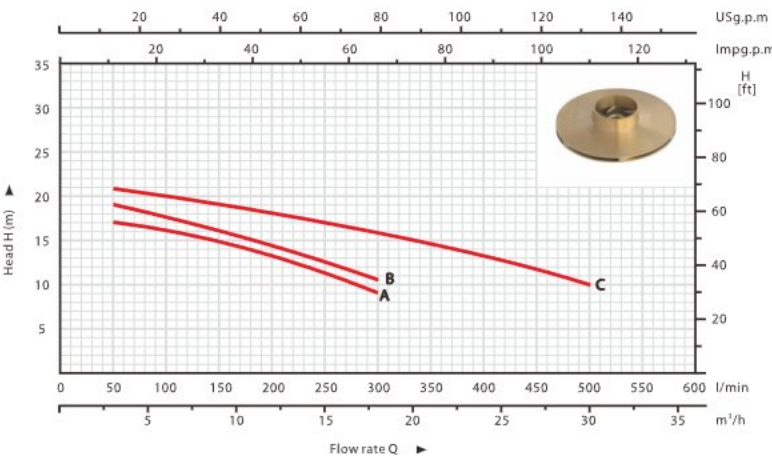
Component

- ※ **Pump body:** Cast iron
- ※ **Pump support:** Cast iron
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Brass
- ※ **Motor shaft:** Carbon steel, AISI304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite

Construction

- Cast iron
- Cast iron
- Aluminum
- Brass
- Carbon steel, AISI304 SS if request
- Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(mm)
A	HGAm-70	1½" x 1½"	14.5	340 x 220 x 270
B	HGAm-75	1½" x 1½"	16.7	340 x 220 x 270
C	HGAm-80	2" x 2"	21.5	430 x 265 x 295



NO.	MODEL	POWER		Q(m³/h)	Q(l/min)	0	3	6	9	12	15	18	21	24	27	30
		kW	HP			0	50	100	150	200	250	300	350	400	450	500
A	HGAm-70	0.75	1	H	H	18	17	16	15	13.5	11.5	9				
B	HGAm-75	1.1	1.5			20	19	17.5	16	14.5	12.5	10.5				
C	HGAm-80	1.5	2			22	21	20	19	18	17	16	15	13.5	12	10

HFM

Centrifugal pumps

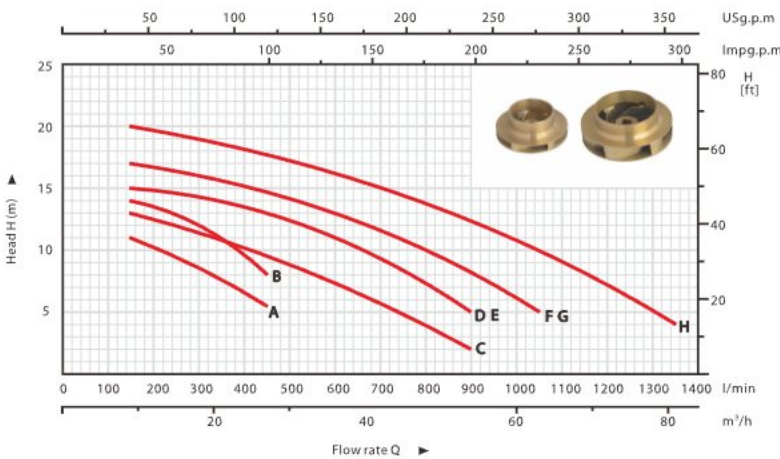


HFM-75



HFM-95

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	9	18	27	36	45	54	63	72	81
		kW	HP	Q(l/min)										
A	HFM-70	0.75	1	H	12	11	8.5	5.5						
B	HFM-75	1.1	1.5		15	14	12	8						
C	HFM-80	1.1	1.5		14	13	11.5	9.5	7.5	5	2			
D	HFM-85	1.5	2		16	15	14	13	11	8.5	5			
E	HFM-90	1.5	2		16	15	14	13	11	8.5	5			
F	HFM-95	2.2	3		18	17	16	14.5	13	11	8	5		
G	HFM-100	2.2	3		18	17	16	14.5	13	11	8	5		
H	HFM-105	3	4		20.5	20	19	17.5	16	14.5	12	10	7	4

HNF

Centrifugal pumps

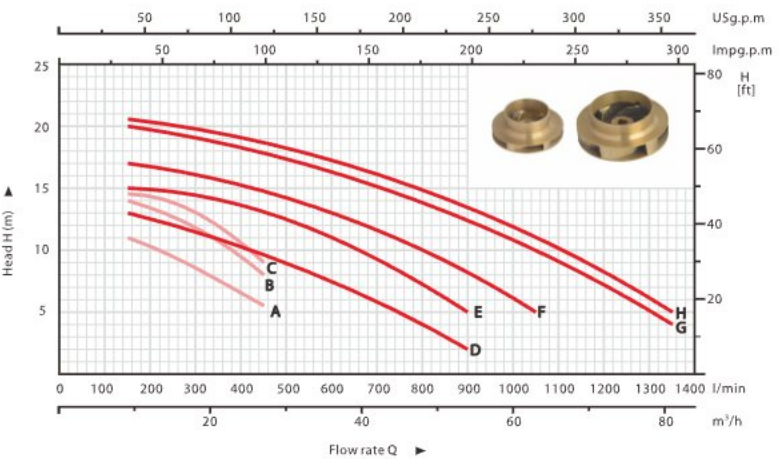


HNF-130C



HNF-131A

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	9	18	27	36	45	54	63	72	81
		kW	HP	Q(l/min)										
A	HNF-128A	0.75	1	H	12	11	8.5	5.5						
B	HNF-129B	1.1	1.5		15	14	12	8						
C	HNF-129A	1.2	1.6		15.5	14.6	13	9						
D	HNF-130C	1.1	1.5		14	13	11.5	9.5	7.5	5	2			
E	HNF-130B	1.5	2		16	15	14	13	11	8.5	5			
F	HNF-130A	2.2	3		18	17	16	14.5	13	11	8	5		
G	HNF-131B	3	4		20.5	20	19	17.5	16	14.5	12	10	7	4
H	HNF-131A	3.2	4.3		21	20.5	19.5	18	17	15.5	13	11	8	5

2HCP

Centrifugal pumps

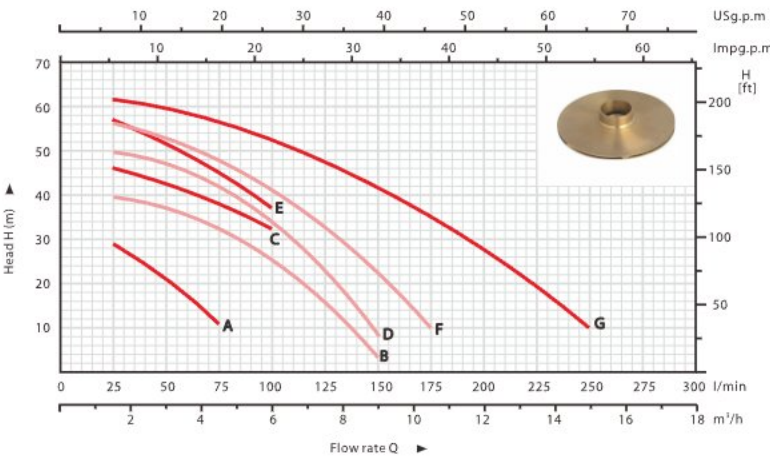


2HCP-160



2HCP-200

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	1.5	3	4.5	6	7.5	9	10.5	12	13.5	15
		kW	HP												
A	2HCP-130	0.75	1	H	38	29	21	11							
B	2HCP-140M	1.1	1.5		45	40	37	32	26	16	3				
C	2HCP-140H	1.1	1.5		50	46	42.5	38	32.5						
D	2HCP-160B	1.5	2		54	50	47	42	34	24	8				
E	2HCP-160	1.5	2		61	57	51.5	45	37						
F	2HCP-180	2.2	3		60	56.5	53	48	41	32.5	22	10			
G	2HCP-200	3	4		65	61.5	59	56	52	47	42	36	29	21	10

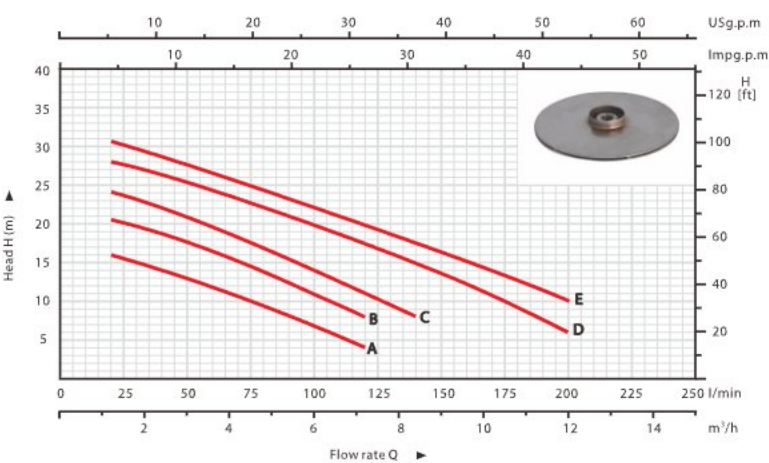
HCT-S

Centrifugal pumps



HCT-S

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8	12
		kW	HP												
A	HCT-18S	0.37	0.5	H	18	16	14	12	9.5	7	4				
B	HCT-20S	0.55	0.75		22	20.5	19	17	14	11	8				
C	HCT-26S	0.75	1		26	24	22	19.5	17	14	11	8			
D	HCT-30S	1.1	1.5		30	28	26	24	22	20	18	15.5	13	10	6
E	HCT-33S	1.5	2		33	31	29	27	25	23	21	19	16	13	9.5



HBK

Centrifugal stainless steel pumps

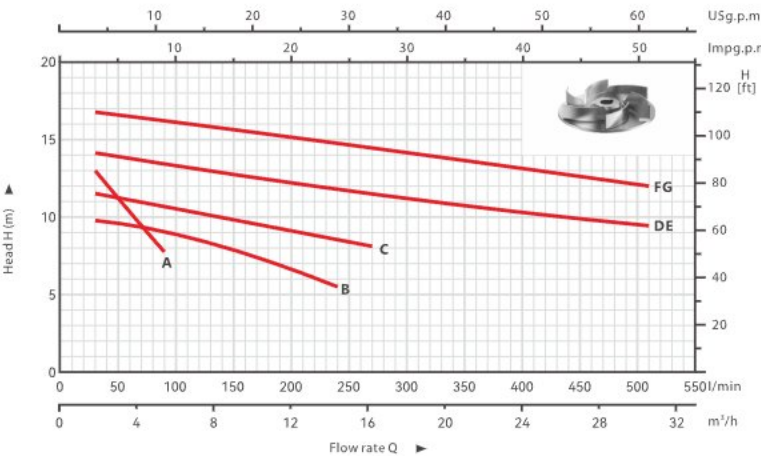


HBK50



HBK75

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	1.8	3.6	5.4	7.2	9	10.8	12.6	14.4	16.2	18	19.8	21.6	23.4	25.2	27	28.8	30.6
		kW	HP		Q(l/min)	0	30	60	90	120	150	180	210	240	270	300	330	360	390	420	450	480
A	HBK50	0.37	0.5	H	13.5	13	10.4	7.8														
B	HBK75	0.55	0.75		10	9.8	9.5	9.1	8.6	8	7.3	6.5	5.5									
C	HBK100	0.75	1		12	11.4	11	10.6	10.2	9.8	9.4	9	8.6	8.2								
D	HBK200A	1.5	2		14.5	14.1	13.8	13.5	13.2	12.9	12.6	12.3	12	11.7	11.4	11.1	10.8	10.5	10.2	9.9	9.6	9.3
E	HBK200B	1.5	2		14.5	14.1	13.8	13.5	13.2	12.9	12.6	12.3	12	11.7	11.4	11.1	10.8	10.5	10.2	9.9	9.6	9.3
F	HBK250A	1.85	2.5		17	16.8	16.5	16.2	15.9	15.6	15.3	15	14.7	14.4	14.1	13.8	13.5	13.2	12.9	12.6	12.3	12
G	HBK250B	1.85	2.5		17	16.8	16.5	16.2	15.9	15.6	15.3	15	14.7	14.4	14.1	13.8	13.5	13.2	12.9	12.6	12.3	12



Application

For clean, non-combustible, and non-explosive liquid containing no solid particle or fiber. Applicable to deliver tap-water, alkaline mineral water, softened water or mildly-corrosive medium. The use of a larger-power motor must be considered when the density or viscosity of the medium delivered is higher than water.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **8 m**

Component

- ※ **Pump body:** AISI304 SS
- ※ **Pump support:** Aluminum(0.37kW), Cast iron(0.55~1.85kW)
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** AISI304 SS
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/Graphite

Construction

NO.	MODEL	INLET/OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(mm)
A	HBK50	1 1/4" x 1"	5.9	310x195x225
B	HBK75	1 3/8" x 1 1/2"	9.7	360x195x260
C	HBK100	1 1/2" x 1 1/2"	11.3	360x195x260
D	HBK200A	2 1/2" x 2"	18.2	425x235x285
E	HBK200B	2" x 2"	18.2	425x235x285
F	HBK250A	2 3/4" x 2"	20	445x235x285
G	HBK250B	2" x 2"	20	445x235x285



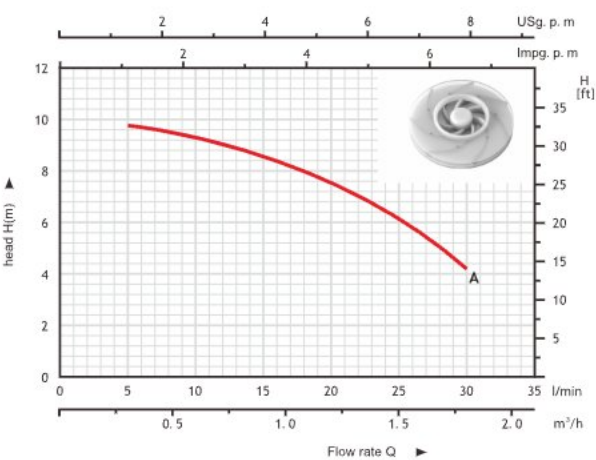
HDm

Floor Heating Cleaning Pump



HDm

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	Q(l/min)						
		kW	HP		0	0.3	0.6	0.9	1.2	1.5	1.8
A	HDm-20	0.135	0.18	H	10	9.8	9.4	8.7	7.7	6.1	4.2



Application

Applicable to solar water heaters, gas water heaters, electric water heaters, radiators, floor heating pipes, etc.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector
- ※ Single-phase 230V/50Hz

Operating conditions

- ※ Liquid temperature up to **50 °C**
- ※ Ambient temperature up to **40 °C**

Component

- ※ **Pump body:** Techno-polymer
- ※ **Pump cover:** Techno-polymer
- ※ **Pump support:** Aluminum
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Techno-polymer
- ※ **Motor shaft:** Carbon steel, AISI 304 SS if request

NO.	MODEL	INLET/OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(mm)
A	HDm-20	1/2" x 1/2"	7.6	515x380x565



HST

Standard centrifugal pumps



HST

Construction

Close-coupled centrifugal pumps, electric motor with extended shaft directly connected to the pump
Pump casting with axial suction and radial delivery on top
Main dimensions and performance according to EN 733
HSTm: version with mono-phase motor, single impeller
HST: version with tri-phase motor, single impeller
HST/D: version with double impellers

Application

- ※ For clean non-aggressive liquids without abrasives
- ※ Water supply Cleaning sets
- ※ Pressure boosting Firefighting sets
- ※ Irrigation Industrial applications
- ※ Water circulation in Agricultural applications
- ※ Water circulation in

Performance range

- ※ For rate up to 6000 L/min (360 m³/h)
- ※ Head up to 99.5 m
- ※ Power up to 55 kW
- ※ Diameter up to 100 mm

Application limits

- ※ Manometric suction lift up to 8 m
- ※ Liquid temperature between -10 °C and +120 °C
- ※ Ambient temperature between -10 °C and +40 °C
- ※ Max.pressure in pump body 16 bar (PN16)
- ※ Continuous service S1

Optionals available on request

- ※ Special mechanical seal
- ※ Other voltages of 60Hz frequency
- ※ Protection IP55, or IP 54
- ※ Single-phase motor (HSTm) up to 3.0 kW
- ※ Higher or lower liquid or ambient temperatures

Model description

- ※ For example: **HST(m) 32-160/22**
- ※ **HST**: model name
- ※ **(m)**: single phase motor
- ※ **32**: outlet diameter/mm
- ※ **160**: impeller code/mm
- ※ **22**: 22/10=2.2 kW motor

Standards and guarantee

- ※ Pump body dimensions in compliance with **EN 733**
- ※ Pump and motor comply to **CE** and **SASO**
- ※ 18 months subject to terms and conditions

HST

Standard centrifugal pumps

NO.	MODEL	DN (mm)	POWER		Q(m³/h)	0	6	9	15	18	24	27	36	42	48	54	72	84	90	108	120	138
			kW	HP		0	100	150	250	300	400	450	600	700	800	900	1200	1400	1500	1800	2000	2300
1	HST32-125/07	50×32	0.75	1	H	17.5	16.7	15	12	9												
2	HST32-125/11	50×32	1.1	1.5		22	21	19.7	16.5	14.5	9											
3	HST32-160/15	50×32	1.5	2		25.4	23.7	22.5	18.5	15.8												
4	HST32-160/22	50×32	2.2	3		31	29.6	28.5	24.5	22	15											
5	HST32-160/30	50×32	3	4		35	34.3	32.5	28	25.5	19	15										
6	HST32-200/30	50×32	3	4		44.2	42	39.8	35.2	32.2	24.6	19.8										
7	HST32-200/40	50×32	4	5.5		54.5	52	50	45.5	42.3	35	30.3										
8	HST32-250/55	50×32	5.5	7.5		60	59.5	59	55	50.2	34.5											
9	HST32-250/75	50×32	7.5	10		69.5	69	68.5	66	63	53											
10	HST32-250/92	50×32	9.2	12.5		75	75	74.5	72	69	59											
11	HST32-250/110	50×32	11	15		90	89.5	88	82	78	66											
12	HST32-250/150	50×32	15	20		97	96.5	96	90	86	73											
13	HST32-250/55D	50×32	5.5	7.5		79.5	74.7	71.8	63	56	37.5											
14	HST32-250/75D	50×32	7.5	10		95	93	91	83	76	57.8											
15	HST40-125/11	65×40	1.1	1.5		14.7				13	11.5	10.1	5.8									
16	HST40-125/15	65×40	1.5	2		18.1				17	15	13.9	10	6								
17	HST40-125/22	65×40	2.2	3		24.5				23.2	21.5	20.2	16	13	8.3							
18	HST40-160/30	65×40	3	4		31.8				29.5	27.5	26.3	21.5	17.5								
19	HST40-160/40	65×40	4	5.5		38				36	34	33	28.5	25	20.1							
20	HST40-200/55	65×40	5.5	7.5		46				43.8	41.3	40.1	35	30								
21	HST40-200/75	65×40	7.5	10		57				53.6	51.5	50	45	41	36.5							
22	HST40-250/92	65×40	9.2	12.5		64				59	56.5	55	49.5	45	39.8							
23	HST40-250/110	65×40	11	15		72				67.5	65	63.5	57.5	52.2	47							
24	HST40-250/150	65×40	15	20		84.5				79.3	77.3	75.2	70	66	61							
25	HST40-250/185	65×40	18.5	25		90				85.5	82.8	80.7	75.8	70.5	66.5							
26	HST50-125/22	65×50	2.2	3	H	17							15.4	14	12.8	11.5	6.5					
27	HST50-125/30	65×50	3	4		20							18.8	18	17	15.6	11					
28	HST50-125/40	65×50	4	5.5		24							23.1	23	21.5	20.3	15.8	11.8				
29	HST50-160/55	65×50	5.5	7.5		32							30.6	30	28	26.6	20.5	14.8				
30	HST50-160/75	65×50	7.5	10		40							38	37	36	34.4	29	24	21			
31	HST50-200/92	65×50	9.2	12.5		50.5							46.8	45	43	40.9	32.5	26.7				
32	HST50-200/110	65×50	11	15		57.5							53.5	52	50	47.5	40	34	29			
33	HST50-200/150	65×50	15	20		62							58	56.5	54.5	52	44.5	39	35.5			
34	HST50-250/150	65×50	15	20		68.5							64	63	61.5	59	50	41				
35	HST50-250/185	65×50	18.5	25		79							75.8	74.8	74	71.5	63.5	55.5	47			
36	HST50-250/220	65×50	22	30		89.5							86	85.3	84	81.5	73.5	63.5	57			
37	HST65-125/40	80×65	4	5.5		19									17.3	16.8	14.5	13	11.8			
38	HST65-125/55	80×65	5.5	7.5		23									21.3	20.9	19	17.5	16.7	13.7		
39	HST65-125/75	80×65	7.5	10		27									26	25.6	24.5	23	22.5	20	18	
40	HST65-160/92	80×65	9.2	12.5		33										31.5	30	28	27.1	24	21.5	
41	HST65-160/110	80×65	11	15		36										34.5	33	31.5	30.8	28	25.5	
42	HST65-160/150	80×65	15	20		42										41	40	38.5	37.8	35	33	29.5
43	HST65-200/150	80×65	15	20		45										45.5	43	41	40.2	36.5	34	
44	HST65-200/185	80×65	18.5	25		52										52.3	51	49	48.2	44.5	42	
45	HST65-200/220	80×65	22	30		59										59.5	58	56	55	52	49.5	44.5
46	HST65-250/220	80×65	22	30		64.8										64.7	62	60	58.8	53	50	
47	HST65-250/300	80×65	30	40		80										79.8	77.5	75.5	74.5	70	66	58
48	HST65-250/370	80×65	37	50		92										90.5	88.5	87	85	80.5	78	68

32-250/55D, 32-250/75D: double impeller
SS304 impeller for 32-125, 32-160, 32-200, 32-250D, Cast iron impeller for others

HST

Standard centrifugal pumps



NO.	MODEL	DN (mm)	POWER		Q(m³/h) Q(l/min)	0	60	90	120	144	180	200	210	220	240	280	300	360	400
			kW	HP		0	1000	1500	2000	2400	3000	3333	3500	3667	4000	4667	5000	6000	6667
49	HST65-315/450	80×65	45	60		102	98	94.5	90	83									
50	HST65-315/550	80×65	55	75		122	120	114.5	110	100	76								
51	HST65-315/750	80×65	75	100		141	141	134.5	130	120	96	78	65.5						
52	HST65-315/900	80×65	90	125		151	150	144.5	140	130	106	88	75.5						
53	HST80-125/40	100×80	4	5.5		17	15	12.3	7.5										
54	HST80-125/55	100×80	5.5	7.5		21	19.6	17.4	13.4	9.5									
55	HST80-125/75	100×80	7.5	10		26	24.8	23	19.5	16.5									
56	HST80-160/110	100×80	11	15		28	27	27.3	24.5	21.1	16								
57	HST80-160/150	100×80	15	20		34	32.6	32.5	30.2	27	22.1	18.5	16.7						
58	HST80-160/185	100×80	18.5	25		39	38.5	38	36.7	33.6	28.8	25.3	23.5						
59	HST80-160/220	100×80	22	30		44	43.5	43	41.7	38.6	33.8	30.3	28.5						
60	HST80-200/220	100×80	22	30		48	47.7	47.5	43.5	39.2	32.5	27.2	24.5						
61	HST80-200/300	100×80	30	40		60	59.7	59.5	57	53.1	47	42.7	40.5						
62	HST80-250/370	100×80	37	50		71.5	70.9	70.5	65.5	59.3	51	43.2	38.5						
63	HST80-250/450	100×80	45	60		88	86.7	86	83.6	78.5	70.5	60	51						
64	HST80-250/550	100×80	55	75		94.5	94.5	94.5	91.8	87	79.5	72.1	68.3						
65	HST80-315/450	100×80	45	60		85	84	82.6	82	78	68.3	61	56						
66	HST80-315/550	100×80	55	75		98	97	95.6	95	91	81.3	74	69						
67	HST80-315/750	100×80	75	100		124	123	121.6	121	117	107.3	100	95	90	80.8				
68	HST80-315/900	100×80	90	125		144	143	141.6	141	137	127.3	120	115	110	100.8				
69	HST100-160/150	125×100	15	20	H	35	33.5	32.5	30	27.8	24.5	21.5	20	18.3	15				
70	HST100-160/185	125×100	18.5	25		38.5	37.5	36.5	34.3	32.2	29	25.7	24	22	18				
71	HST100-160/220	125×100	22	30		43	41	40	37.6	35.2	31.5	28.5	27	25.3	22				
72	HST100-200/220	125×100	22	30		38.5	36.7	35.7	33.8	31.7	28.5	26.8	26	25	22.9	16.3	13		
73	HST100-200/300	125×100	30	40		44.5	42.5	42	40.2	38.8	36.7	34.2	33	31.7	29	21.7	18		
74	HST100-200/370	125×100	37	50		55	53	51	50.6	49.2	47	45	44	42.8	40.5	32.8	29		
75	HST100-250/450	125×100	45	60		65	65	64	63	61	58	56	55	53.3	50	39	33.5		
76	HST100-250/550	125×100	55	75		77	76	75.5	75	73.8	72	71.7	71.5	70.7	69	62.3	59		
77	HST100-250/750	125×100	75	100		91	91	90.5	89.7	88	85.5	84	83.3	81.5	78	71.7	68.5	48	
78	HST100-250/900	125×100	90	125		100	100	99.5	98.7	97	94.5	93	92.3	90.5	87	80.7	77.5	57	
79	HST100-315/750	125×100	75	100		80			78.5	76.7	74	73	72.8	72.5	70.7	68	64	52	
80	HST100-315/900	125×100	90	125		100			98.5	96.7	94	93	92.8	92.5	90.7	88	84	72	
81	HST100-315/1100	125×100	110	150		118			116.5	114.7	112	111	110.8	110.5	108.7	106	102	90	
82	HST100-315/1320	125×100	132	180		129			127.5	125.7	123	122	121.8	121.5	119.7	117	112	101	
83	HST100-315/1600	125×100	160	220		148			146.5	144.7	142	141	140.8	140.5	138.7	136	132	120	
84	HST125-200/450	150×125	45	60		39.8			39.3	39.2	39	38.9	38.9	38.8	37.5	35	34	28.6	25
85	HST125-200/550	150×125	55	75		50.5			49.3	49.2	49	48.9	48.9	48.8	47.5	45	44	38.6	35
86	HST125-200/750	150×125	75	100		61.5			60.3	60.2	60	59.9	59.9	59.8	58.5	56	55	49.6	46
87	HST125-250/550	150×125	55	75		70			67	66	64	63	62	61	59.5	54	50.5		
88	HST125-250/750	150×125	75	100		80			76.5	75.5	74	73	72	71.5	70	67	65	56	
89	HST125-250/900	150×125	90	125		87			84	82.5	81	79.5	79	78	77	73.5	71.5	65	60

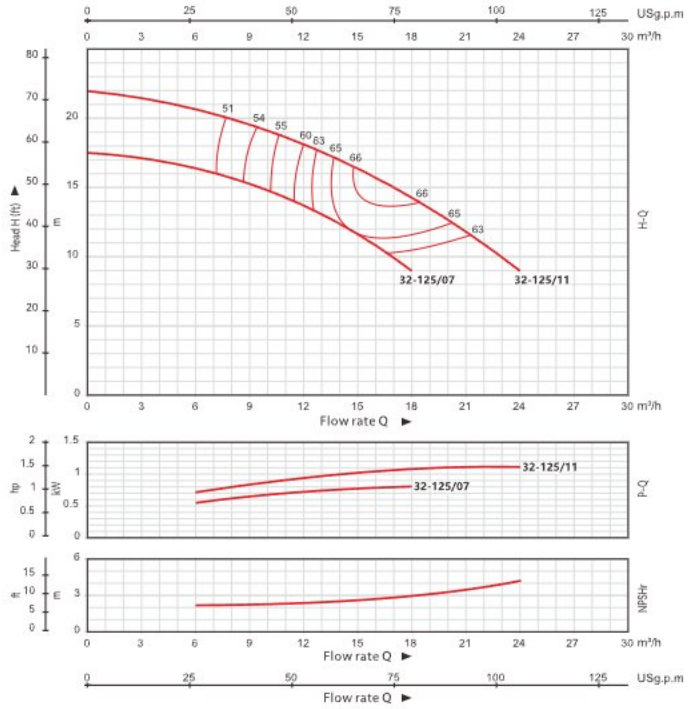
32-250/55D, 32-250/75D: double impeller
SS304 impeller for 32-125, 32-160, 32-200, 32-250D, Cast iron impeller for others

HST

Standard centrifugal pumps

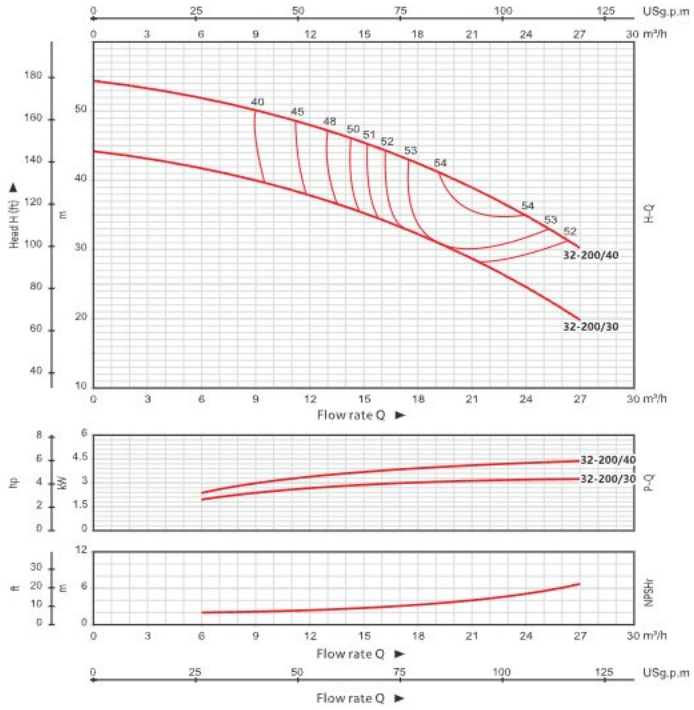


PERFORMANCE CHART AT n=2900RPM



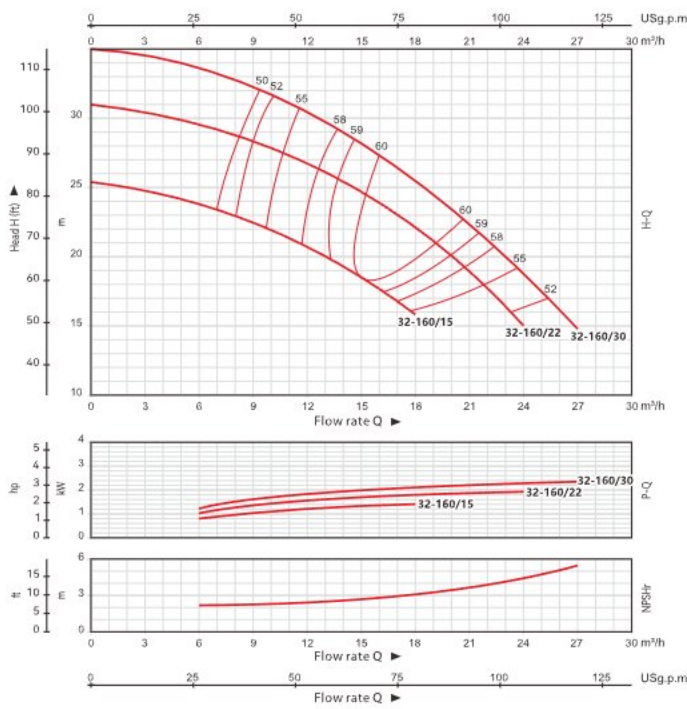
32-125

PERFORMANCE CHART AT n=2900RPM



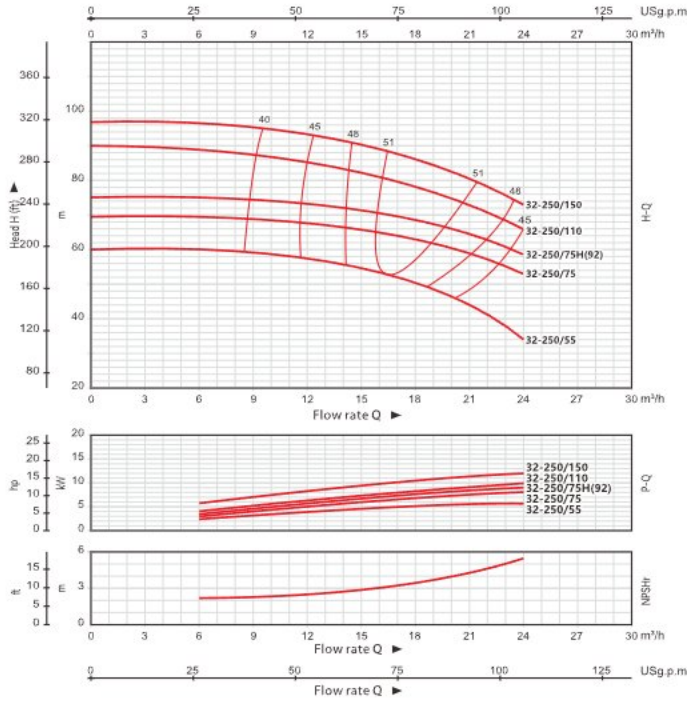
32-200

PERFORMANCE CHART AT n=2900RPM



32-160

PERFORMANCE CHART AT n=2900RPM



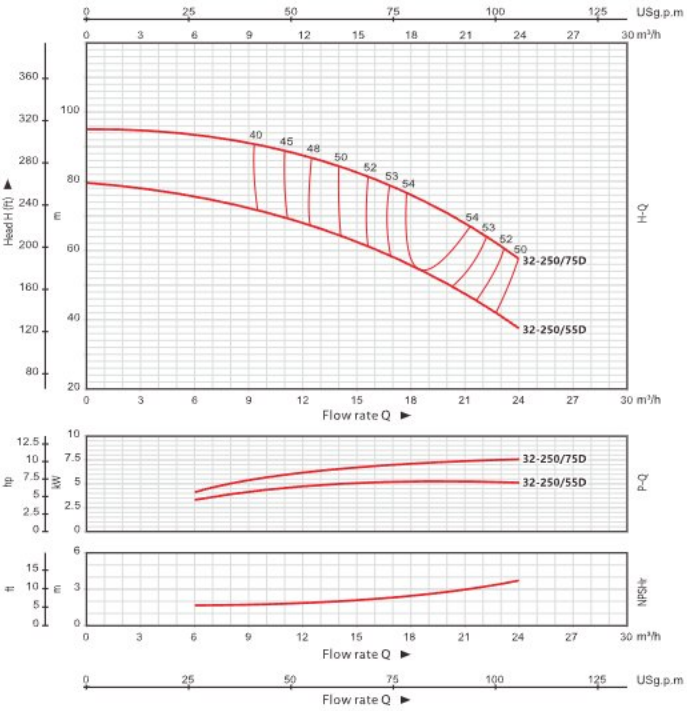
32-250

HST

Standard centrifugal pumps

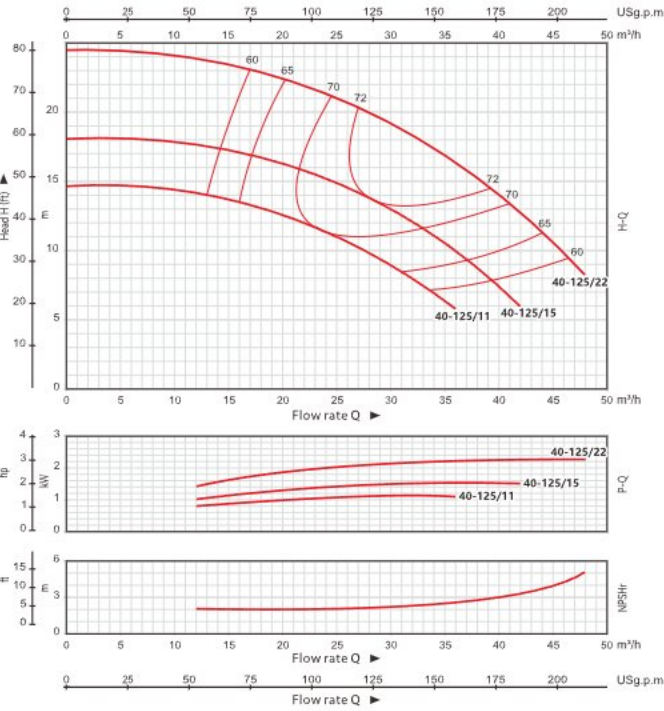


PERFORMANCE CHART AT n=2900RPM



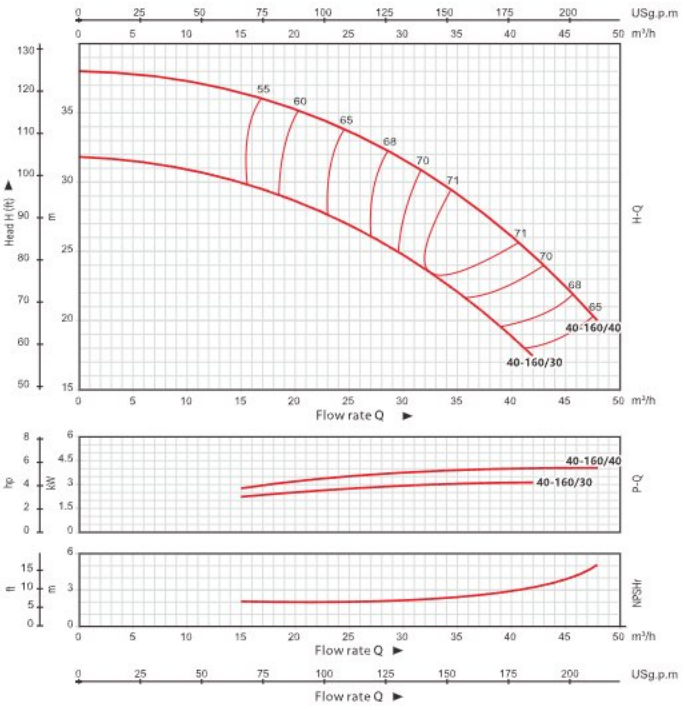
32-250D

PERFORMANCE CHART AT n=2900RPM



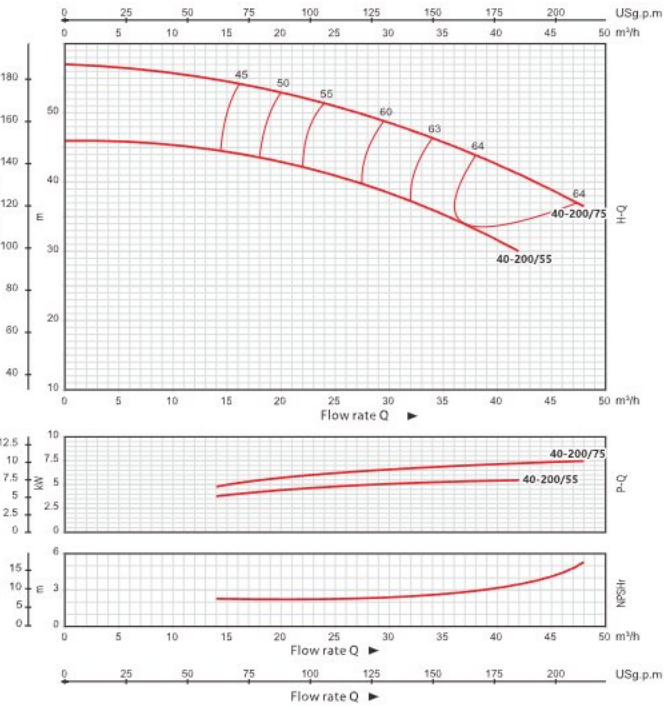
40-125

PERFORMANCE CHART AT n=2900RPM



40-160

PERFORMANCE CHART AT n=2900RPM



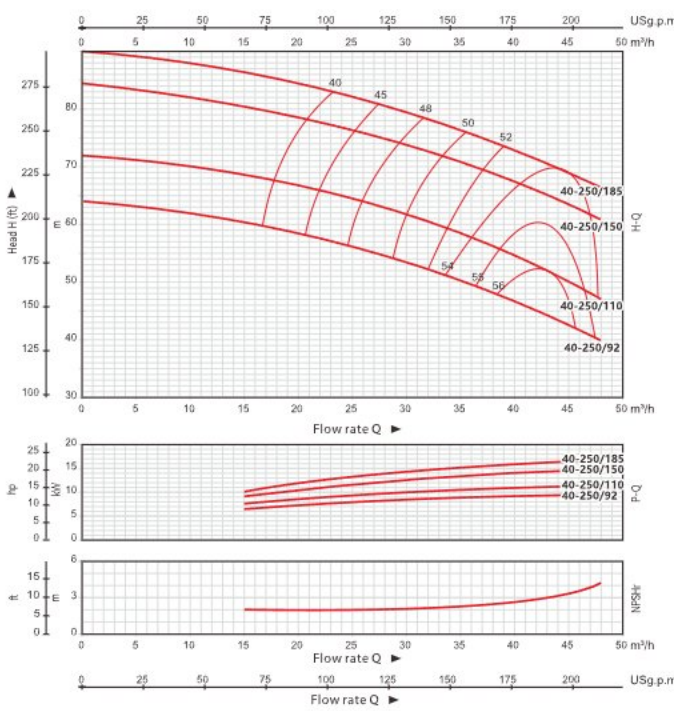
40-200

HST

Standard centrifugal pumps

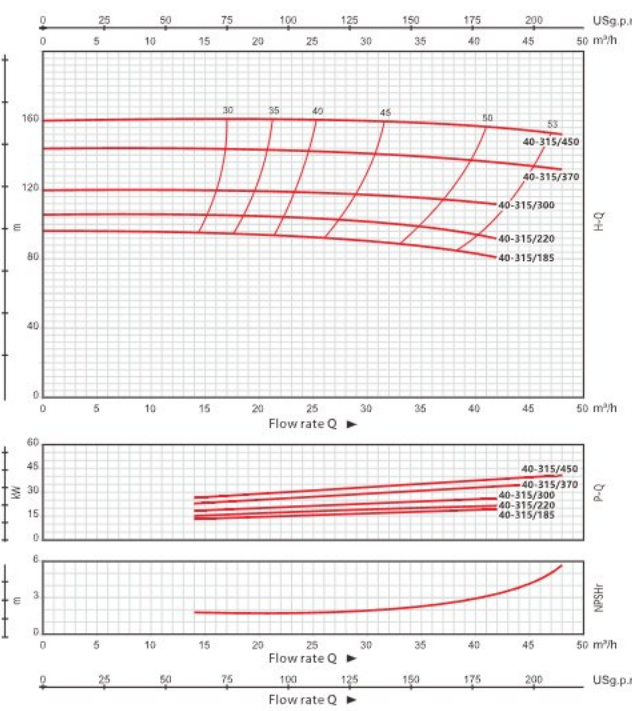


PERFORMANCE CHART AT n=2900RPM



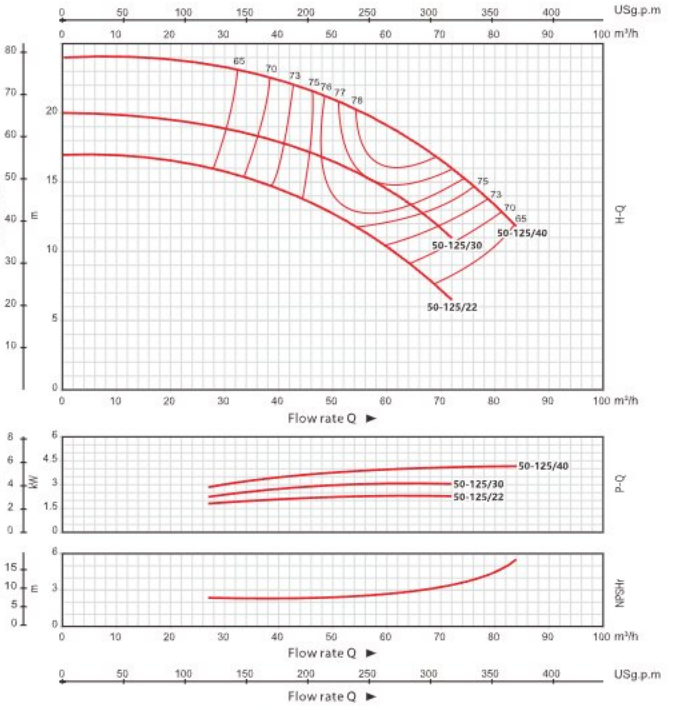
40-250

PERFORMANCE CHART AT n=2900RPM



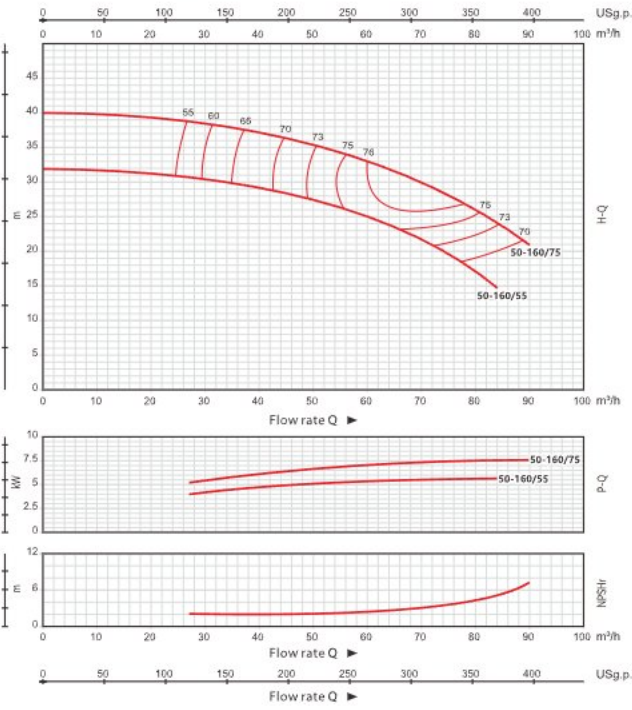
40-315

PERFORMANCE CHART AT n=2900RPM



50-125

PERFORMANCE CHART AT n=2900RPM

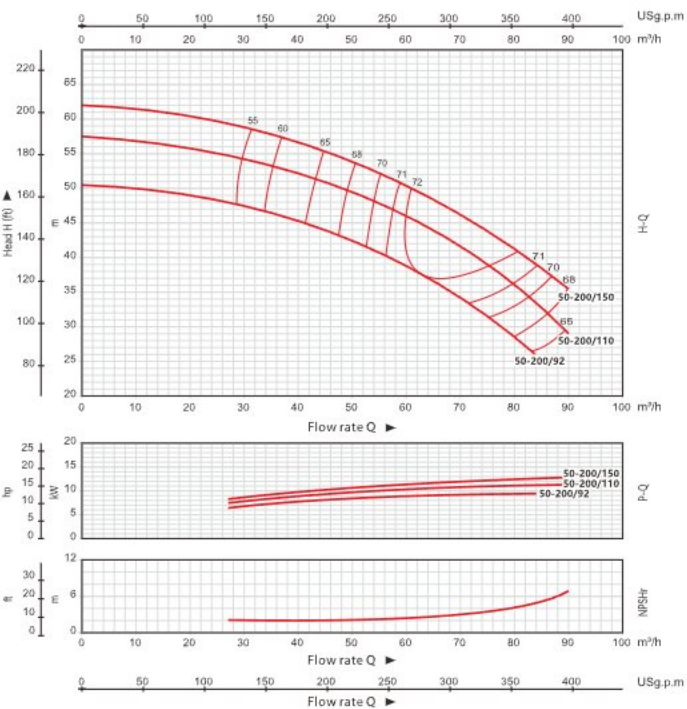


50-160

HST

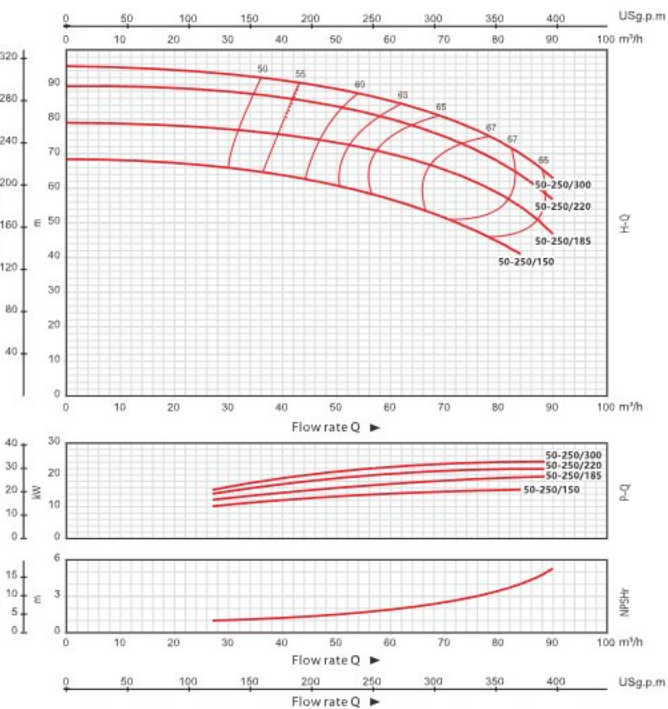
Standard centrifugal pumps

PERFORMANCE CHART AT n=2900RPM



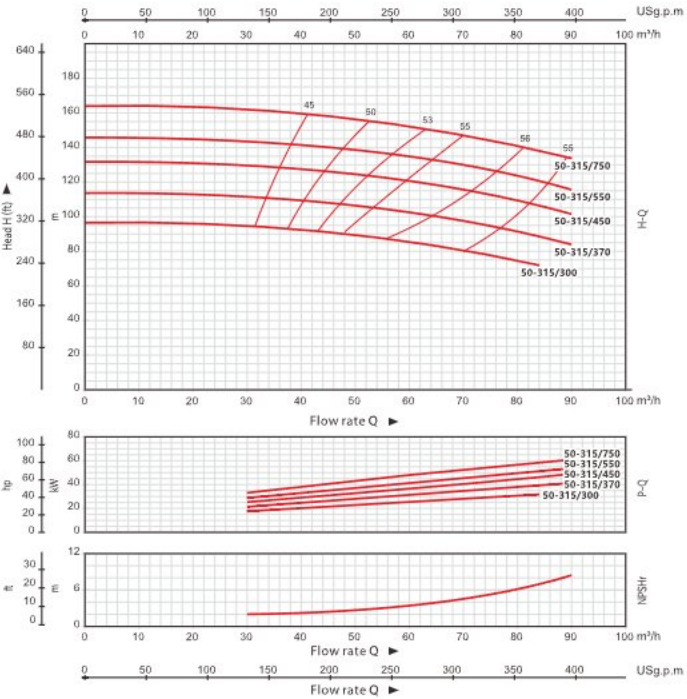
50-200

PERFORMANCE CHART AT n=2900RPM



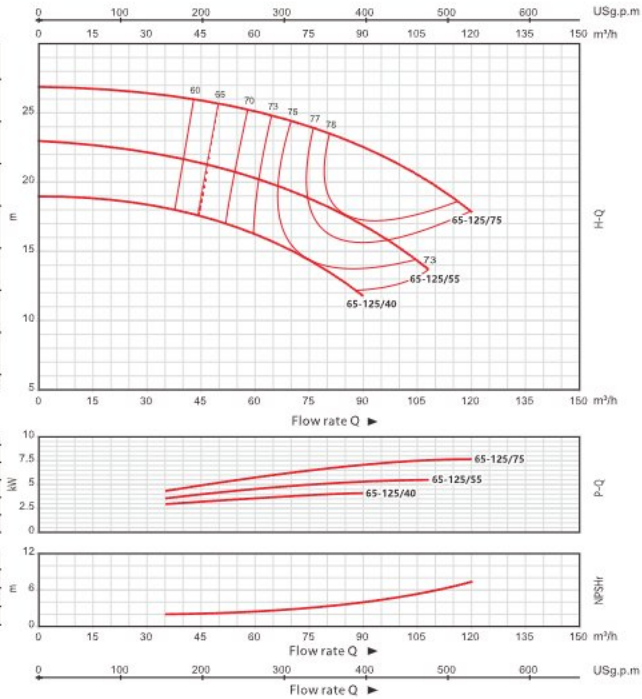
50-250

PERFORMANCE CHART AT n=2900RPM



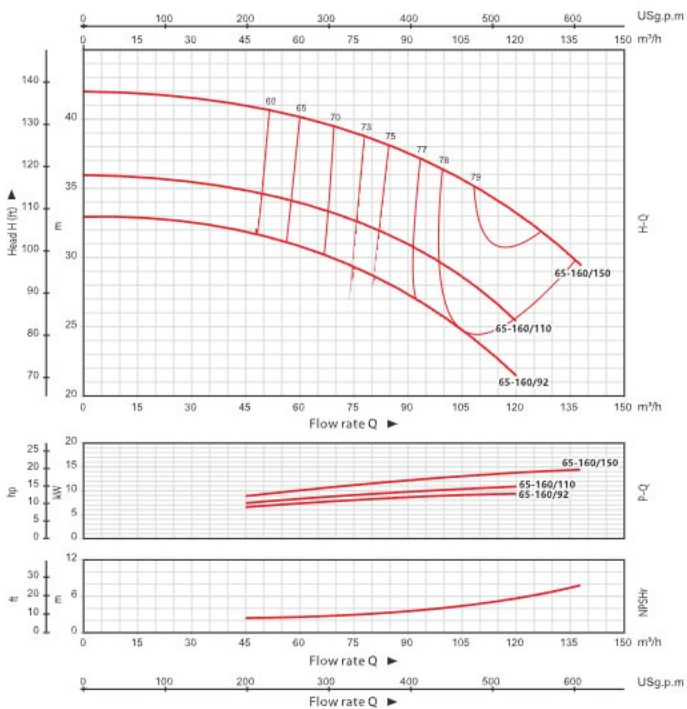
50-315

PERFORMANCE CHART AT n=2900RPM



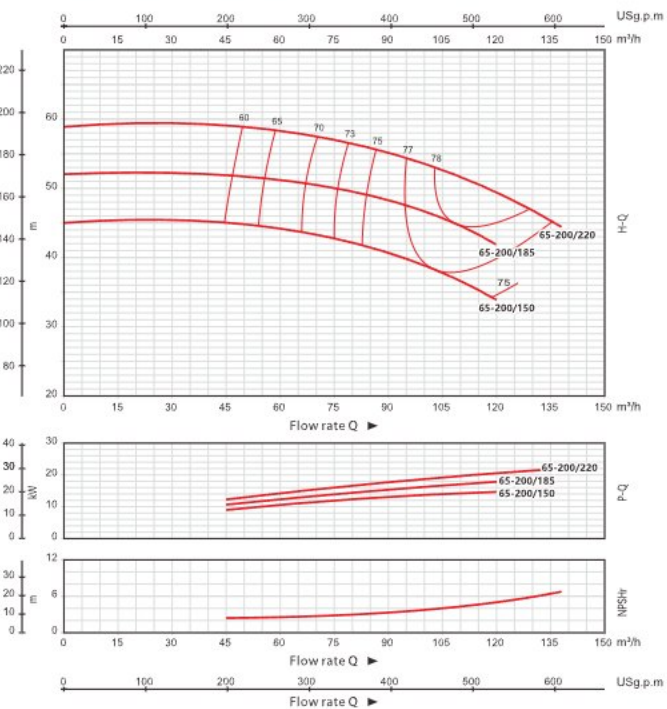
65-125

PERFORMANCE CHART AT n=2900RPM



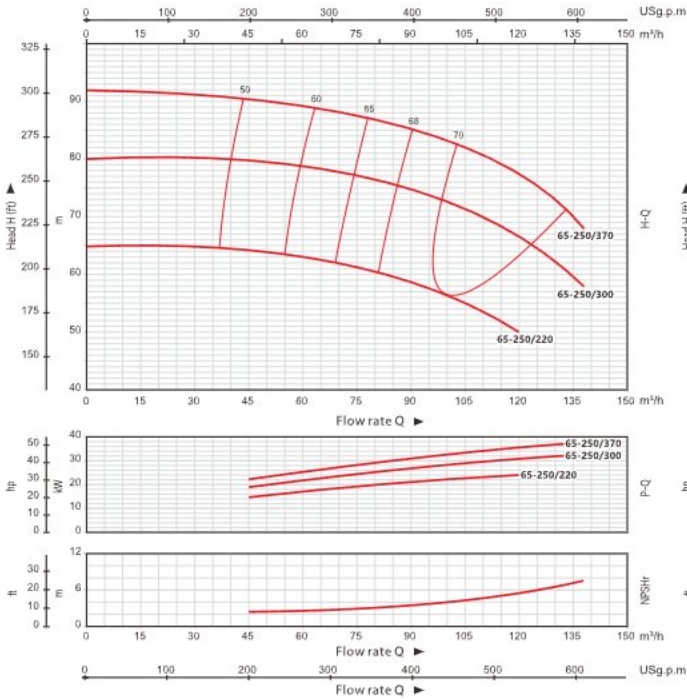
65-160

PERFORMANCE CHART AT n=2900RPM



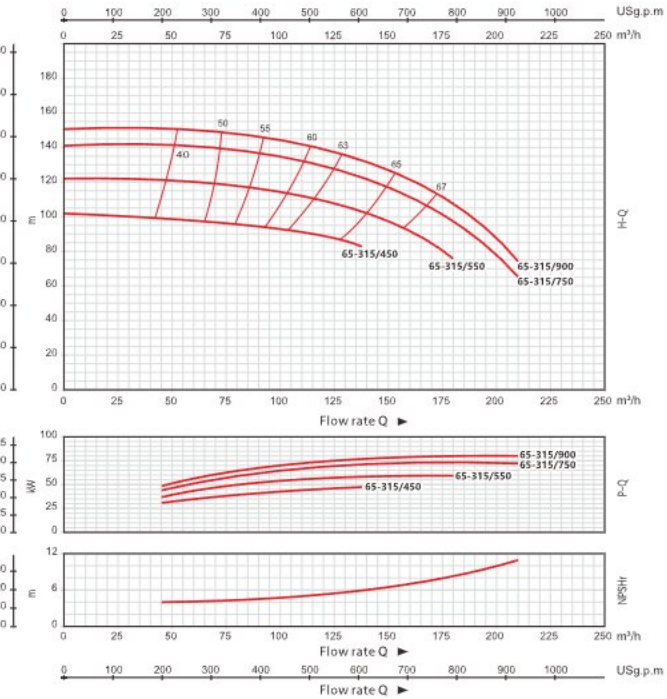
65-200

PERFORMANCE CHART AT n=2900RPM



65-250

PERFORMANCE CHART AT n=2900RPM



65-315

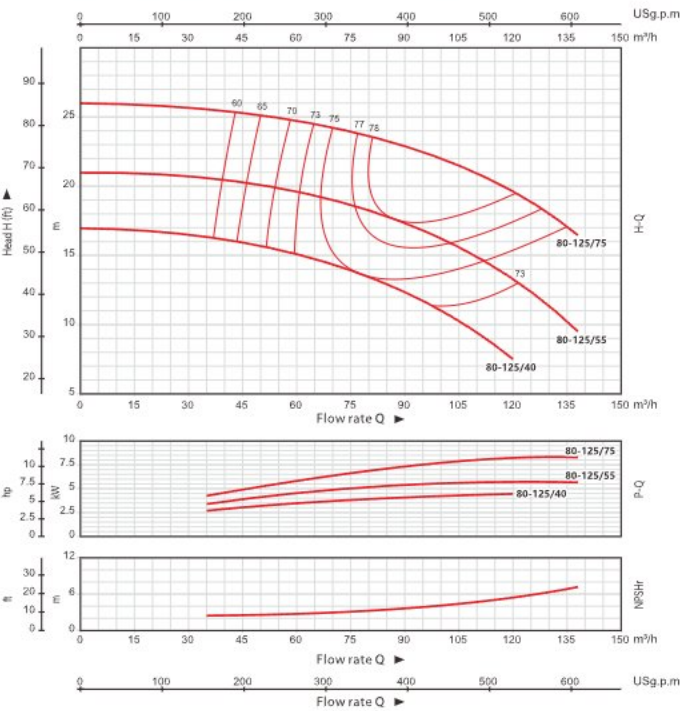
HST

Standard centrifugal pumps

HST

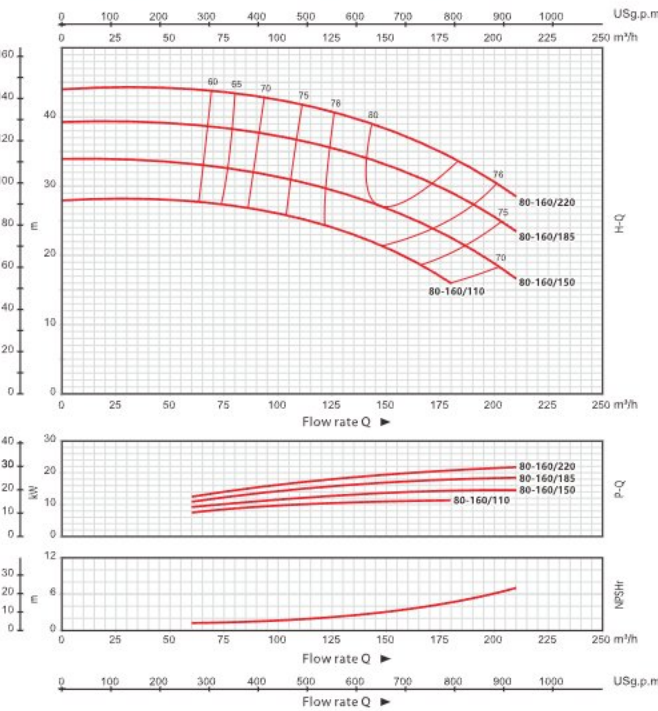
Standard centrifugal pumps

PERFORMANCE CHART AT n=2900RPM



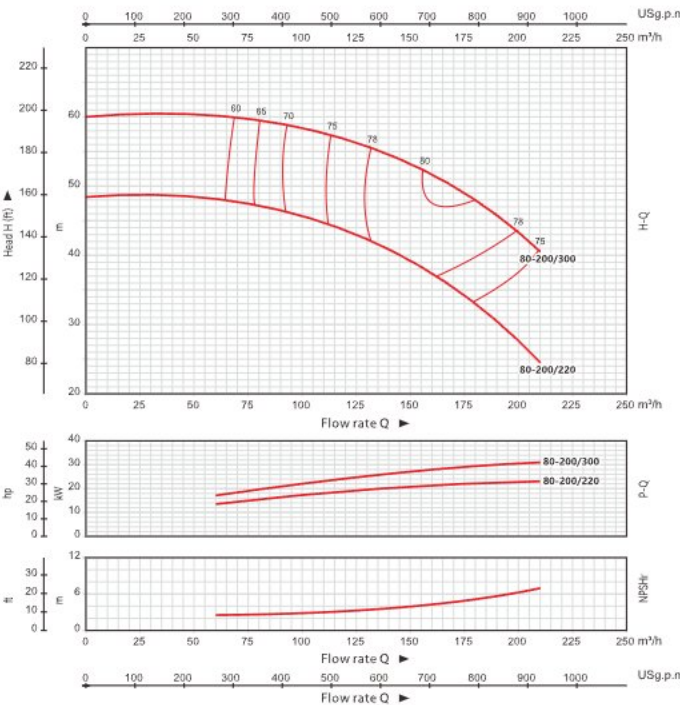
80-125

PERFORMANCE CHART AT n=2900RPM



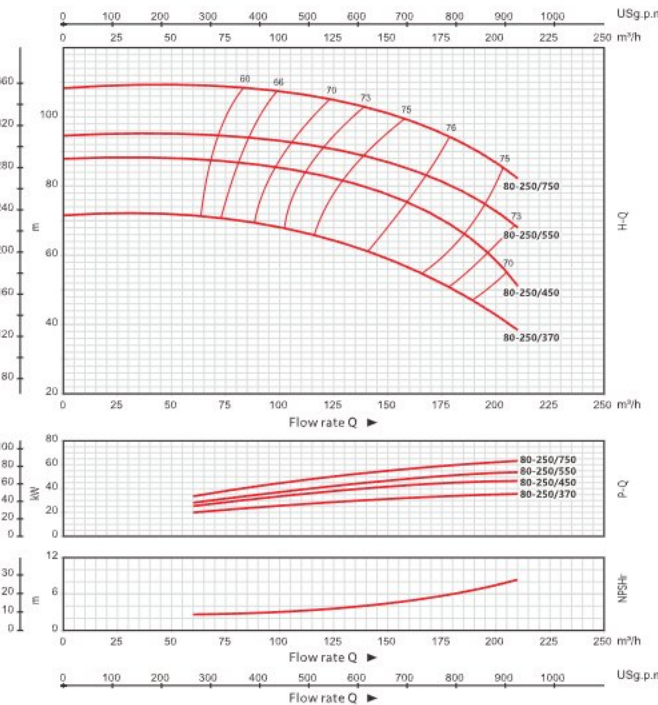
80-160

PERFORMANCE CHART AT n=2900RPM



80-200

PERFORMANCE CHART AT n=2900RPM

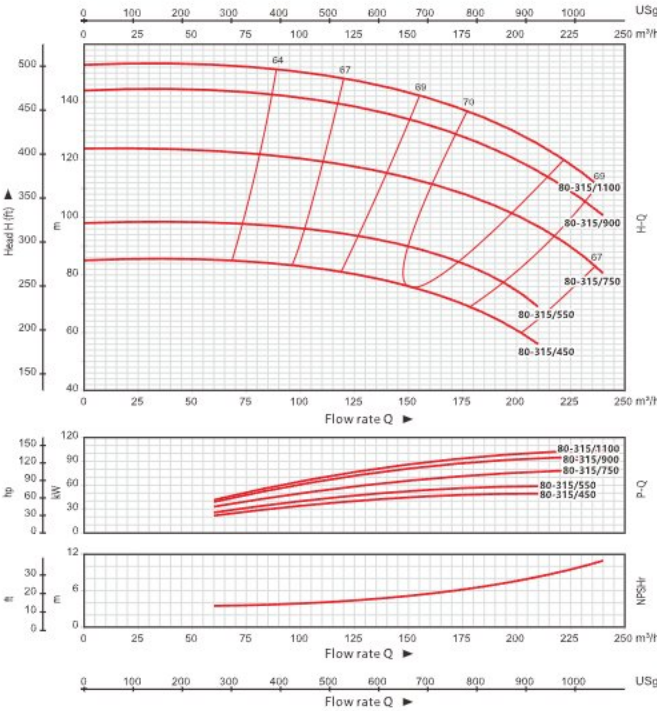


80-250

HST

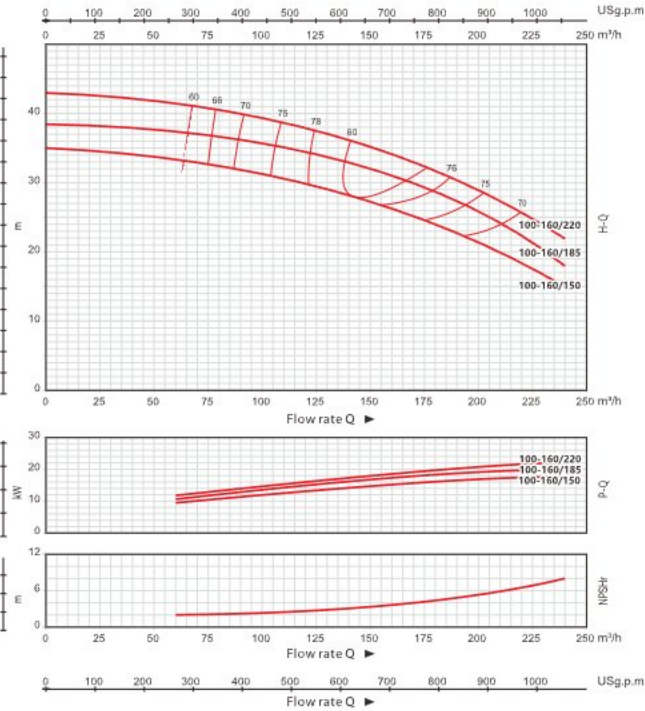
Standard centrifugal pumps

PERFORMANCE CHART AT n=2900RPM



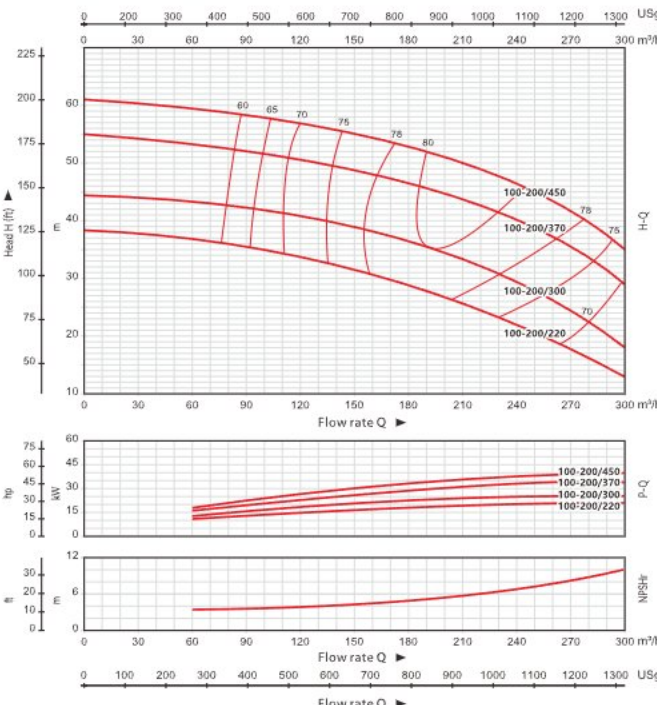
80-315

PERFORMANCE CHART AT n=2900RPM



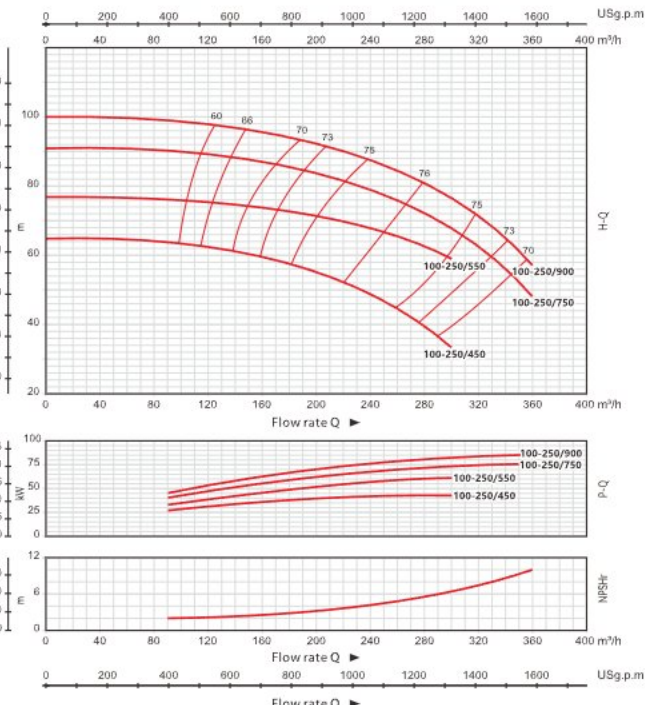
100-160

PERFORMANCE CHART AT n=2900RPM



100-200

PERFORMANCE CHART AT n=2900RPM



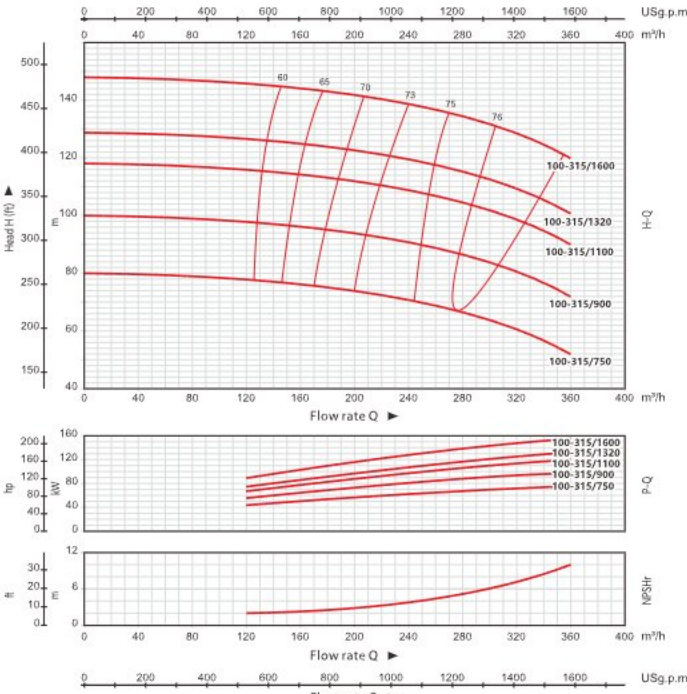
100-250

HST

Standard centrifugal pumps

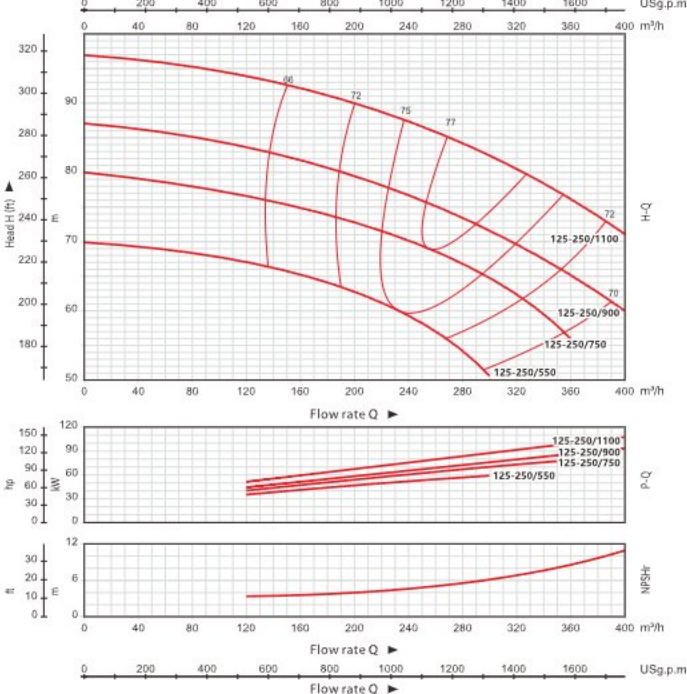


PERFORMANCE CHART AT n=2900RPM



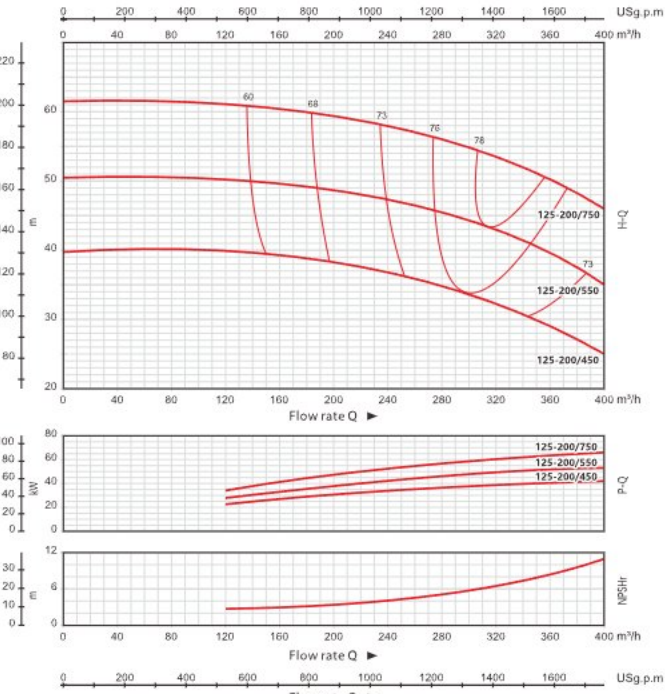
100-315

PERFORMANCE CHART AT n=2900RPM



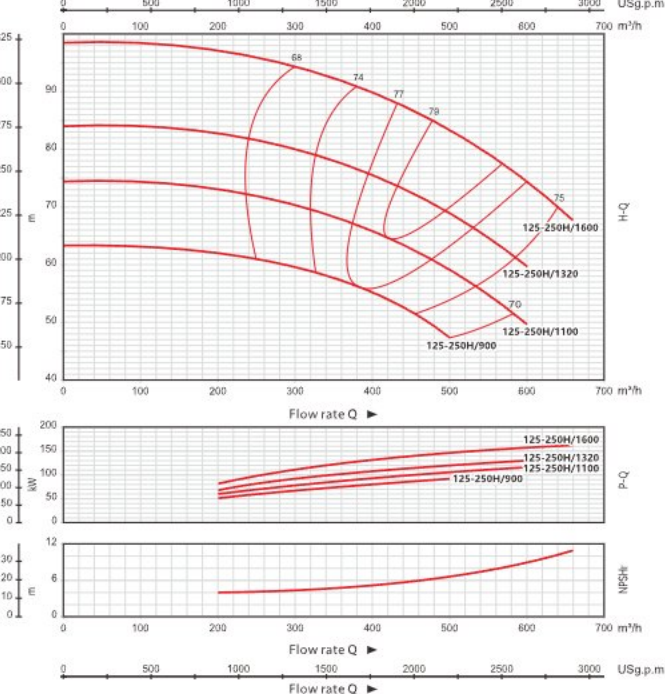
125-250

PERFORMANCE CHART AT n=2900RPM



125-200

PERFORMANCE CHART AT n=2900RPM



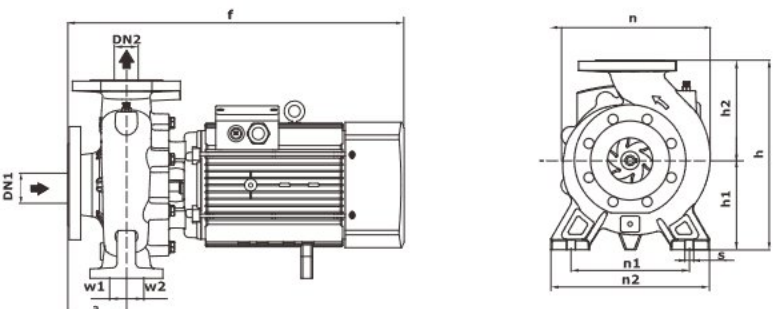
125-250H

HST

Standard centrifugal pumps



DIMENSIONS AND WEIGHT / DIMENSIONES Y PESOS / DIMENSIONS ET POIDS

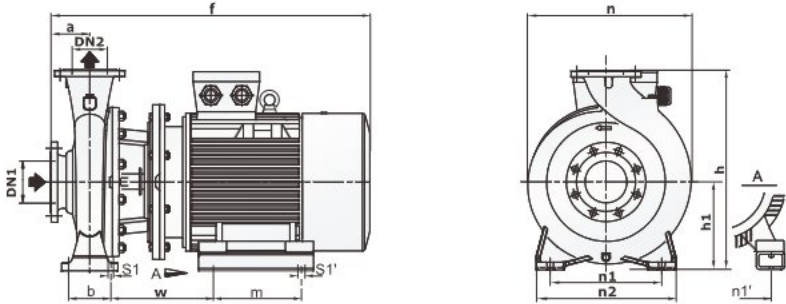


MODEL	DIMENSIONS/DIMENSIONES/DIMENSIONS mm													kg 3~
	DN1	DN2	a	f	h	h1	h2	n	n1	n2	w1	w2	s	
HST32-125/7	50	32	80	434	252	112	140	198	141	190	35	35	15	24
HST32-125/11				430.5	292	132	160	191	240	25				
HST32-160/15				470.5						34				
HST32-160/22				495.5	340	160	180			265				39
HST32-160/30			100	579	405	180	225			288	250	320		47.5
HST32-200/30			88	590	405	186	219	333	250	328	49	49		52
HST32-200/40		94	712	415	186	229	327	250	327	49	49	16	53	
HST32-250/55		154	612	358	160	198	304.5	212	272				47.5	25.5
HST32-250/75														73
HST32-250/92														80
HST32-250/110														95
HST32-250/150														125
HST32-250/55D-75D													73/180	
HST40-125/11	65	40	80	438	252	112	107.5	218	161	210	35	35	15	27
HST40-125/15				478	292	132	160	248	190	240.5				29
HST40-125/22				501										34
HST40-160/30			100	562	340	160	180	277	211	268.5	48			
HST40-160/40											50			
HST40-200/55-75											66/73			
HST40-250/92		94	712	415	186	229	327	250	327	49	49	100		
HST40-250/110												116		
HST40-250/150												146		
HST40-250/185		50	100	522	312	132	180	246	190	240.5	36	34	155	
HST50-125/22													41	
HST50-125/30													50	
HST50-125/40			100	567	340	160	180	274.5	211	268.5	34.5	34.5	52	
HST50-160/55-75			104	722	392	186	206	307	232	310	37	37	64/71	
HST50-200/92			102	720	416	186	230	330	250	327	46	46	90	
HST50-200/110										106				
HST50-200/150										145				
HST50-250/150-185-220													148/153/183	
HST65-125/40	80	65	67.5	576	340	160	180	286	211	284.5	49	49	16	56
HST65-125/55-75														68/74
HST65-160/92			110	730	425	186	239	330	232	309				90
HST65-160/110				111	740									106
HST65-160/150														134
HST65-200/150-185-220												140/145/185		
HST80-125/40	100	80	117	750	357	163	194	330	212	280	55	55	16	56
HST80-125/55-75														68/74
HST80-160/110			88	750	435	186	250	330	255	332				113
HST80-160/150-185-220														143/150/183
HST100-160/150-185-220	125	100	130	765	435	186	250	345	262	340	55	55	16	143/150/183

HST

Standard centrifugal pumps

DIMENSIONS AND WEIGHT / DIMENSIONES Y PESOS / DIMENSIONS ET POIDS

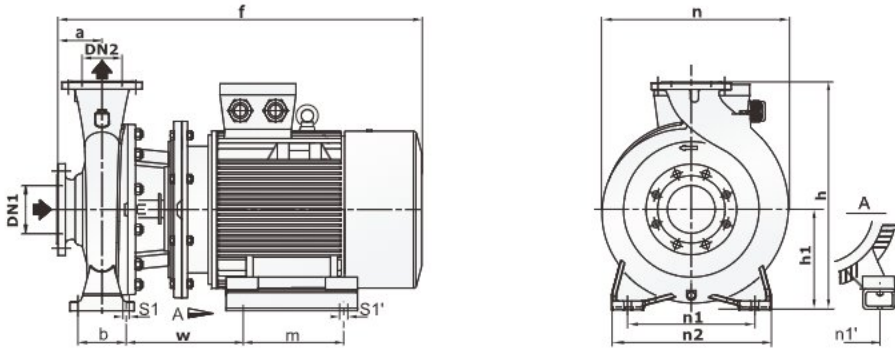


MODEL	DIMENSIONS/DIMENSIONES/DIMENSIONS mm															kg
	DN1	DN2	a	f	h1	h	n	n1	n1'	n2	b	w	m	s1	s1'	
HST65-250/220	80	65	116	870	420	180	369	280	279	360	120	237	241	18	15	214
HST65-250/300	80	65	116	990	420	180	369	280	318	360	120	278	305	18	18	265
HST65-250/370	80	65	116	990	420	180	369	280	318	360	120	278	305	18	18	285
HST65-315/450	80	65	125	1069	505	225	440	280	356	360	120	324	311	18	18	371
HST65-315/550	80	65	125	1160	505	225	440	280	406	360	120	373	349	18	24	450
HST65-315/750	80	65	125	1232	505	225	440	280	457	360	120	395	368	18	24	582
HST65-315/900	80	65	125	1283	505	225	440	280	457	360	120	395	419	18	24	617
HST80-200/220	100	80	125	880	460	250	360	280	279	345	95	251	241	14	15	211
HST80-200/300	100	80	125	950	460	250	360	280	318	345	95	242	305	14	18	262
HST80-250/370	100	80	125	950	535	250	410	315	318	400	120	229	305	18	18	289
HST80-250/450	100	80	125	980	535	250	410	315	356	400	120	235	311	18	18	362
HST80-250/550	100	80	125	1160	535	250	410	315	406	400	120	373	349	18	24	441
HST80-315/450	100	80	125	1069	565	250	452	315	356	400	120	324	311	18	18	381
HST80-315/550	100	80	125	1160	565	250	452	315	406	400	120	373	349	18	24	460
HST80-315/750	100	80	125	1232	565	250	452	315	457	400	120	395	368	18	24	592
HST80-315/900	100	80	125	1283	565	250	452	315	457	400	120	395	419	18	24	627
HST100-200/220	125	100	125	910	530	225	422	280	279	360	120	268	241	18	15	216
HST100-200/300	125	100	125	1025	530	225	422	280	318	360	120	304	305	18	18	267
HST100-200/370	125	100	125	1025	530	225	422	280	318	360	120	304	305	18	18	287
HST100-250/450	125	100	140	1000	580	250	450	315	356	400	120	240	311	18	18	366
HST100-250/550	125	100	140	1180	580	250	450	315	406	400	120	378	349	18	24	445
HST100-250/750	125	100	140	1250	580	250	450	315	457	400	120	398	368	18	24	577
HST100-250/900	125	100	140	1300	580	250	422	315	457	400	120	397	419	18	24	612
HST100-315/750	125	100	140	1262	625	250	480	315	457	400	120	410	368	19	24	591
HST100-315/900	125	100	140	1313	625	250	480	315	457	400	120	410	419	19	24	626
HST100-315/1100	125	100	140	1474	625	250	480	315	508	400	120	436	406	19	28	972
HST100-315/1320	125	100	140	1584	625	250	480	315	508	400	120	436	457	19	28	1087
HST100-315/1600	125	100	140	1584	625	250	480	315	508	400	120	436	508	19	28	1125

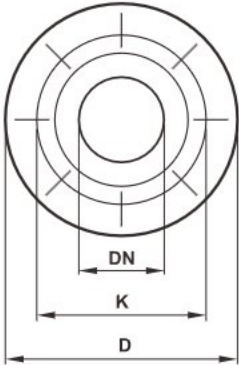
HST

Standard centrifugal pumps

DIMENSIONS AND WEIGHT / DIMENSIONES Y PESOS / DIMENSIONS ET POIDS



MODEL	DIMENSIONS/DIMENSIONES/DIMENSIONS mm															kg
	DN1	DN2	a	f	h1	h	n	n1	n1'	n2	b	w	m	s1	s1'	
HST125-200/450	150	125	140	1099	565	250	422	315	356	400	120	339	311	19	18	378
HST125-200/550	150	125	140	1190	565	250	422	315	406	400	120	388	349	19	24	457
HST125-200/750	150	125	140	1262	565	250	422	315	457	400	120	410	368	19	24	589
HST125-250/550	150	125	140	1190	605	250	500	315	406	400	120	388	349	19	24	457
HST125-250/750	150	125	140	1262	605	250	500	315	457	400	120	410	368	19	24	589
HST125-250/900	150	125	140	1313	605	250	500	315	457	400	120	410	419	19	24	624



FLANGES

DN FLANGES	D mm	K mm	HOLES	
			N	mm
32	140	100	4	18
40	150	110		
50	165	125		
65	185	145		
80	200	160	8	18
100	220	180		

HS

Centrifugal pumps



Application

HS series stainless steel sea pump structure is compact, with large flow, flow parts are made of stainless steel, suitable for transporting corrosive liquids, especially suitable for mariculture.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP54**
- ※ Continuous service **S1**
- ※ Three-phase 380V/50Hz

Operating conditions

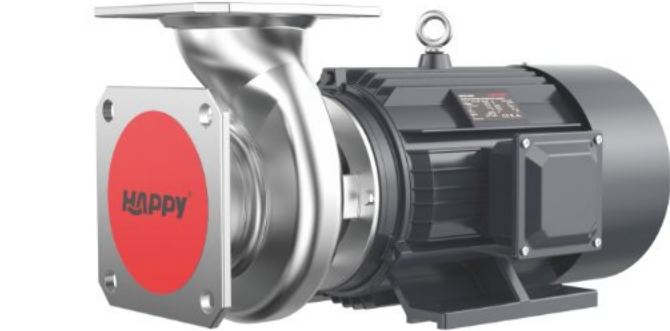
- ※ Liquid temperature up to **40 °C**
- ※ Ambient temperature up to **40 °C**
- ※ The volume content of solid particles in the conveying medium does not exceed 0.1% of the unit volume, and the particle size is <0.2mm.

Component

- ※ **Pump body:** AISI304 SS
- ※ **Pump support:** AISI304 SS
- ※ **Motor housing:** Cast iron
- ※ **Impeller:** AISI304 SS
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** SIC/Graphite

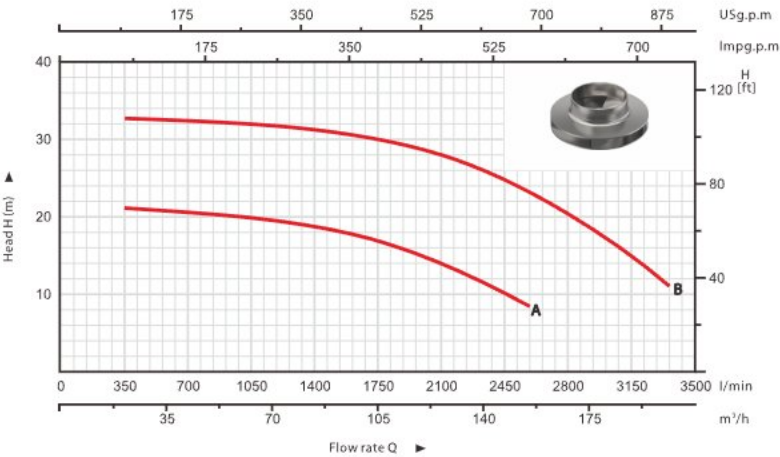
Construction

NO.	MODEL	INLET/OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(mm)
A	150HS130-12-7.5	6" x 6"	75	700×370×450
B	150HS130-25-11	6" x 6"	114	755×435×505



HS

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	75	100	125	150	175	200
		kW	HP								
A	150HS130-12-7.5	7.5	10	H	22	19	17	14	9		
B	150HS130-25-11	11	15		33	32	31	27	23	18	11

SL

Centrifugal pump



Application

SL series stainless steel pumps with high flow rates and stainless steel fluid parts, suitable for use with clean water, such as aquaculture water supply and drainage, agriculture irrigation systems, etc.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class F**
- ※ Protection **IP68**
- ※ Continuous service **S1**
- ※ Three-phase 380V/50Hz

Operating conditions

- ※ Liquid temperature up to **40 °C**
- ※ Ambient temperature up to **40 °C**

Component

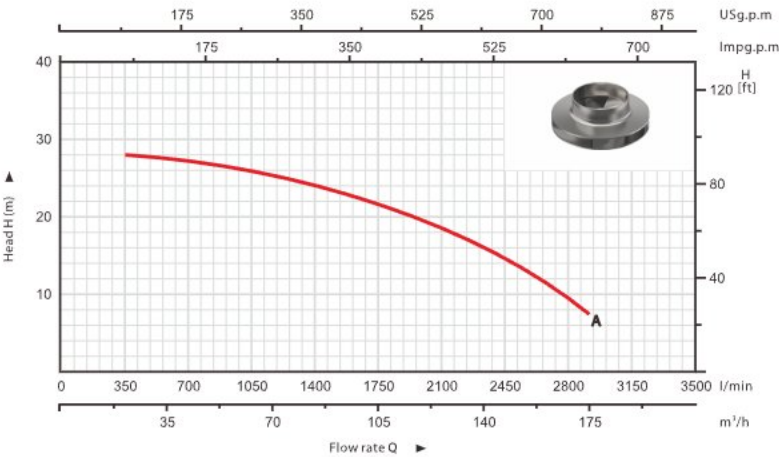
- ※ **Pump body:** AISI304 SS
- ※ **Motor housing:** AISI304 SS
- ※ **Impeller:** AISI304 SS
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** SIC/SIC

Construction

NO.	MODEL	INLET/OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(mm)
A	150SL115-19-7.5	6" x 6"	92.5	725×465×360



PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	50	75	100	125	150	175
		kW	HP								
A	150SL115-19-7.5	7.5	10	H	29	26.5	24.5	22	17	12	6

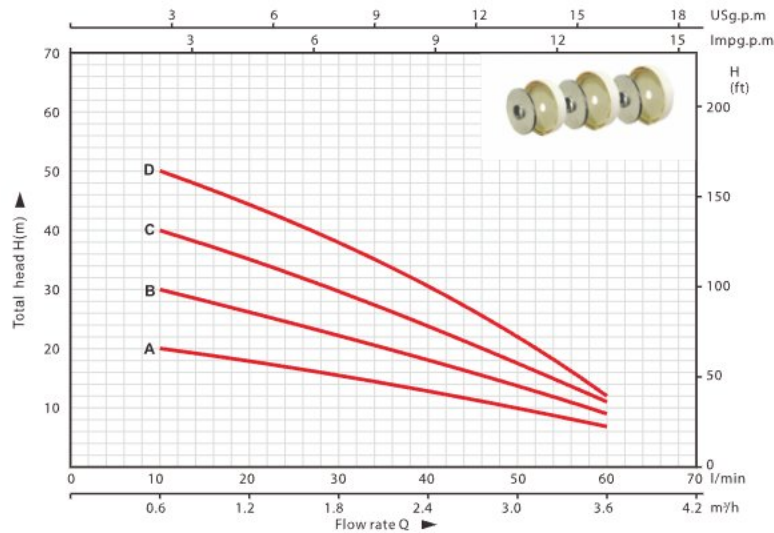
HMC15-M

Horizontal multistage pumps



HMC15-M

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	0.6	1.2	1.8	2.4	3	3.6
		kW	HP								
A	HMC15-2M	0.25	0.34	H	22	20	18	16	13	10	7
B	HMC15-3M	0.37	0.5		33	30	26	22	18	14	9
C	HMC15-4M	0.55	0.75		44	40	35	30	24	18	11
D	HMC15-5M	0.75	1		55	50	44	38	31	22	12

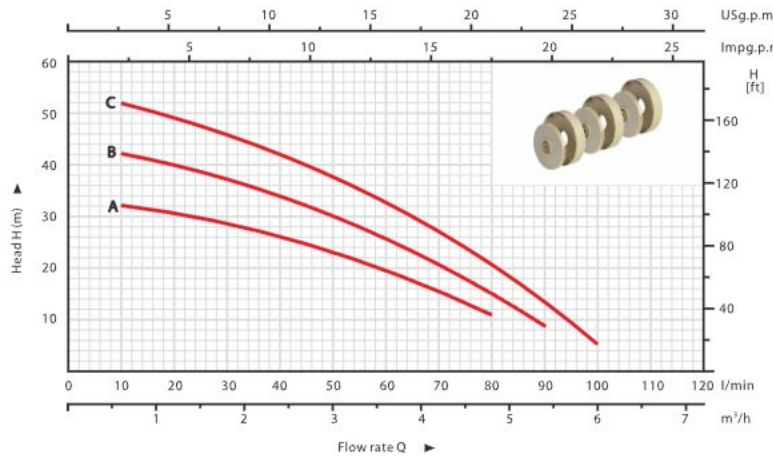
HMC-S

Horizontal multistage pumps



HMC-S

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6
		kW	HP												
A	HMC-3S	0.55	0.75	H	33	32	30.5	28.5	26	23	19.5	15.5	11		
B	HMC-4S	0.75	1		44	42	40	37	34	30	25.5	20.5	15	9	
C	HMC-5S	0.9	1.2		55	52	49	46	42	38	33	27	20.5	13.5	5



HMC60-SH

Horizontal multistage pumps



HMC60-SH

Application

Suitable for use with clean water even where air is present and with liquids that are not chemically aggressive towards the materials from which the pump is made. The pumps are designed to pump water even in cases where air is present. As a result of their quietness, reliability and low energy consumption they are recommended for use in domestic and civil applications such as the pressurisation and distribution of water in combination with pressure sets, and in rain water recovery and irrigation systems, etc. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **8 m**

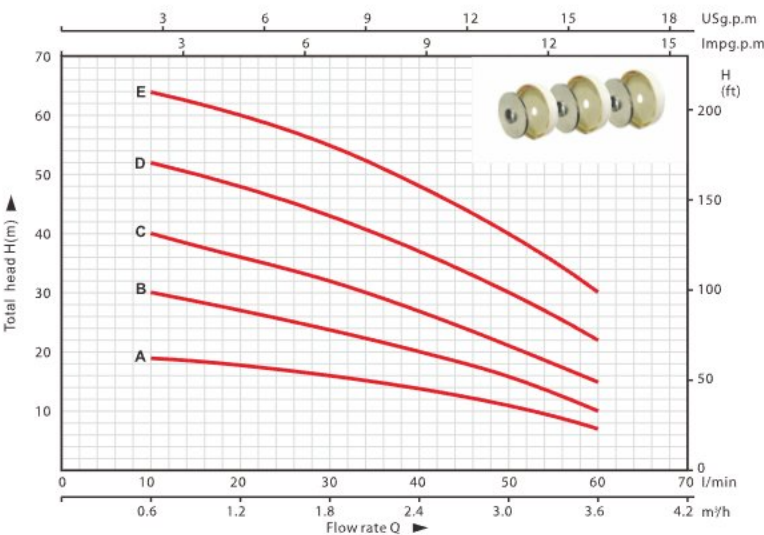
Component

- ※ **Pump body:** Cast iron + Stainless steel
- ※ **Pump support:** Cast iron
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** AISI304 SS, Techno-polymer if request
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/Graphite

Construction

- ※ **Pump body:** Cast iron + Stainless steel
- ※ **Pump support:** Cast iron
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** AISI304 SS, Techno-polymer if request
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	0.6	1.2	1.8	2.4	3	3.6
		kW	HP								
A	HMC60-2SH	0.37	0.5	H	20	19	18	16	14	11	7
B	HMC60-3SH	0.5	0.65		32	30	27	24	20	16	10
C	HMC60-4SH	0.7	0.95		43	40	36	32	27	21	15
D	HMC60-5SH	0.85	1.15		54	52	48	43	37	30	22
E	HMC60-6SH	1	1.3		66	64	60	55	48	40	30



HMC90-SH

Horizontal multistage pumps



HMC90-SH

Application

Suitable for use with clean water even where air is present and with liquids that are not chemically aggressive towards the materials from which the pump is made. The pumps are designed to pump water even in cases where air is present. As a result of their quietness, reliability and low energy consumption they are recommended for use in domestic and civil applications such as the pressurisation and distribution of water in combination with pressure sets, and in rain water recovery and irrigation systems, etc. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **8 m**

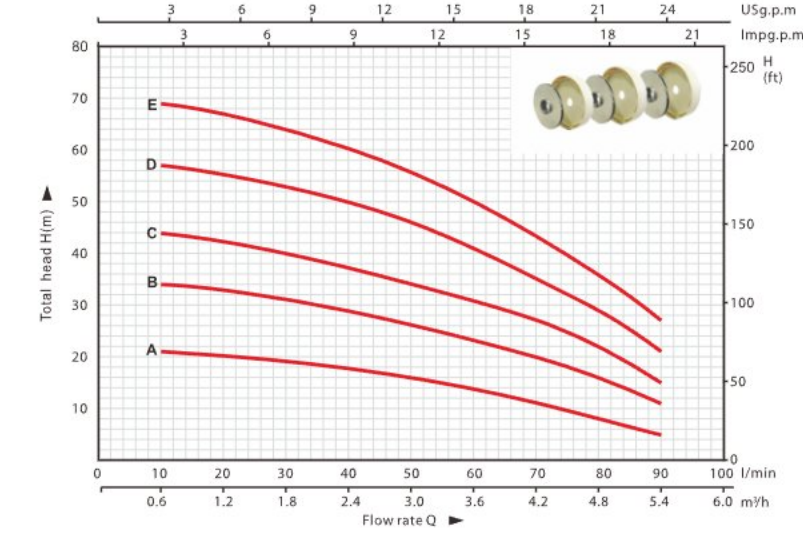
Component

- ※ **Pump body:** Cast iron + Stainless steel
- ※ **Pump support:** Cast iron
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** AISI304 SS, Techno-polymer if request
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/Graphite

Construction

- ※ **Pump body:** Cast iron + Stainless steel
- ※ **Pump support:** Cast iron
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** AISI304 SS, Techno-polymer if request
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4
		kW	HP											
A	HMC90-2SH	0.45	0.6	H	22	21	20	19	18	16	14	11	8	5
B	HMC90-3SH	0.65	0.9		35	34	33	31	29	26	23	20	16	11
C	HMC90-4SH	0.75	1		45	44	42	40	37	34	31	27	22	15
D	HMC90-5SH	1	1.3		58	57	55	53	50	46	41	35	29	21
E	HMC90-6SH	1.3	1.75		70	69	67	64	60	56	50	43	36	27



HMC145-SH

Horizontal multistage pumps



HMC145-SH

Application

Suitable for use with clean water even where air is present and with liquids that are not chemically aggressive towards the materials from which the pump is made. The pumps are designed to pump water even in cases where air is present. As a result of their quietness, reliability and low energy consumption they are recommended for use in domestic and civil applications such as the pressurisation and distribution of water in combination with pressure sets, and in rain water recovery and irrigation systems, etc. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **8 m**

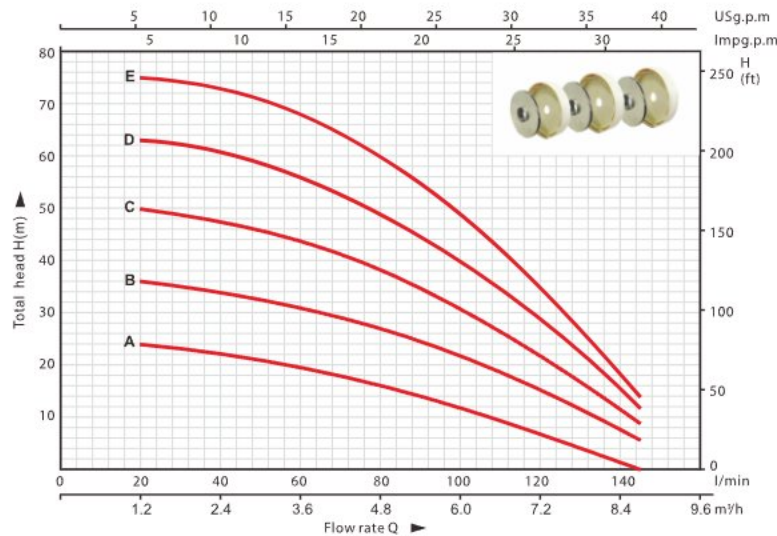
Component

- ※ **Pump body:** Cast iron + Stainless steel
- ※ **Pump support:** Cast iron
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** AISI304 SS, Techno-polymer if request
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/Graphite

Construction

- ※ **Pump body:** Cast iron + Stainless steel
- ※ **Pump support:** Cast iron
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** AISI304 SS, Techno-polymer if request
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	1.2	2.4	3.6	4.8	6	7.2	7.8	8.7
		kW	HP										
A	HMC145-2SH	0.55	0.75	H	25	24	22	20	16	12	7	4	0
B	HMC145-3SH	0.75	1		37	36	34	31	27	22	15	12	6
C	HMC145-4SH	1.1	1.5		52	50	47	44	38	31	22	17	9
D	HMC145-5SH	1.5	2		64	63	61	56	49	40	29	23	12
E	HMC145-6SH	1.85	2.5		76	75	73	68	60	49	35	27	14



HMC170-SH

Horizontal multistage pumps



HMC170-SH

Application

Suitable for use with clean water even where air is present and with liquids that are not chemically aggressive towards the materials from which the pump is made. The pumps are designed to pump water even in cases where air is present. As a result of their quietness, reliability and low energy consumption they are recommended for use in domestic and civil applications such as the pressurisation and distribution of water in combination with pressure sets, and in rain water recovery and irrigation systems, etc. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **8 m**

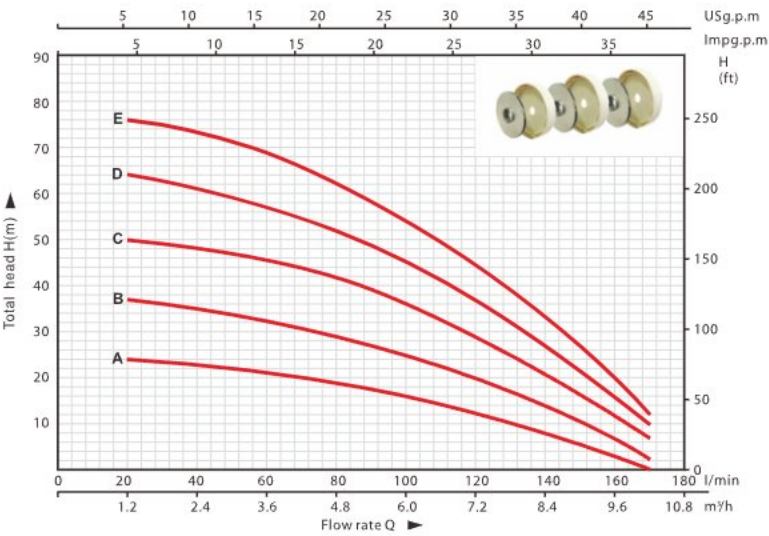
Component

- ※ **Pump body:** Cast iron + Stainless steel
- ※ **Pump support:** Cast iron
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** AISI304 SS
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/Graphite

Construction

- ※ **Pump body:** Cast iron + Stainless steel
- ※ **Pump support:** Cast iron
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** AISI304 SS
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.2
		kW	HP											
A	HMC170-2SH	0.75	1	H	25	24	23	21	19	16	12	8	3	0
B	HMC170-3SH	1	1.3		38	37	35	33	29	25	20	14	7	2
C	HMC170-4SH	1.35	1.8		52	50	48	45	42	36	29	21	12	7
D	HMC170-5SH	1.65	2.2		65	64	61	57	52	45	37	27	16	10
E	HMC170-6SH	2.1	2.8		78	76	73	69	62	54	45	33	20	12



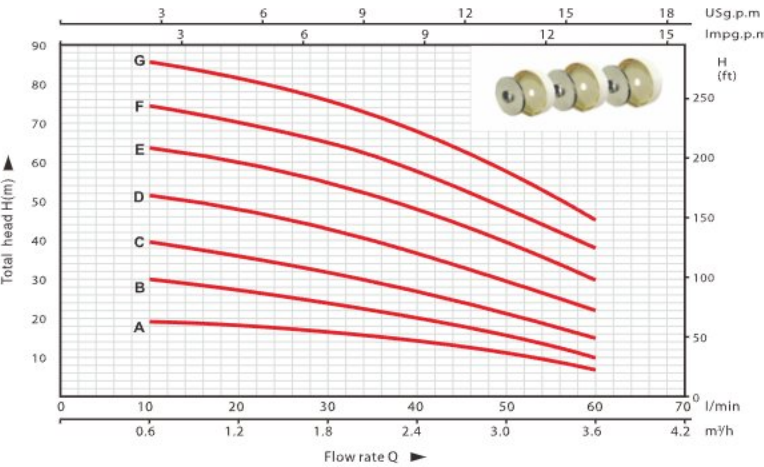
HMC60-SV

Vertical multistage pumps



HMC60-SV

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	0.6	1.2	1.8	2.4	3	3.6
		kW	HP								
A	HMC60-2SV	0.37	0.5	H	20	19	18	16	14	11	7
B	HMC60-3SV	0.5	0.65		32	30	27	24	20	16	10
C	HMC60-4SV	0.7	0.95		43	40	36	32	27	21	15
D	HMC60-5SV	0.85	1.15		54	52	48	43	37	30	22
E	HMC60-6SV	1	1.3		66	64	60	55	48	40	30
F	HMC60-7SV	1.2	1.6		77	75	70	65	58	48	38
G	HMC60-8SV	1.4	1.85		88	86	82	76	68	58	45

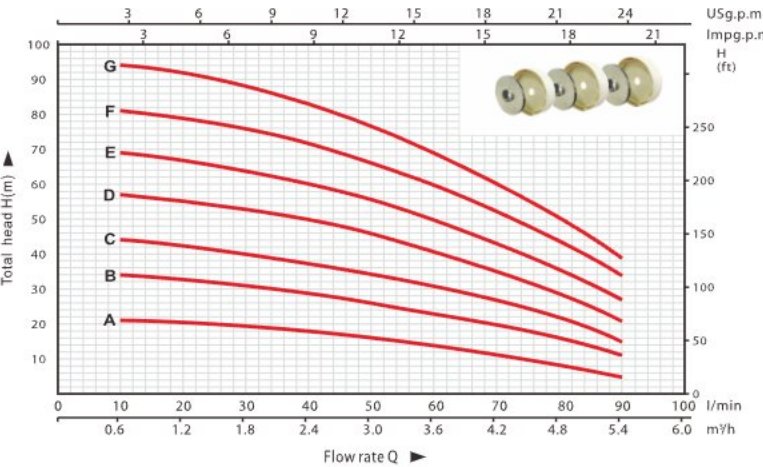
HMC90-SV

Vertical multistage pumps



HMC90-SV

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4
		kW	HP											
A	HMC90-2SV	0.45	0.6	H	22	21	20	19	18	16	14	11	8	5
B	HMC90-3SV	0.65	0.9		35	34	33	31	29	26	23	20	16	11
C	HMC90-4SV	0.75	1		45	44	42	40	37	34	31	27	22	15
D	HMC90-5SV	1	1.3		58	57	55	53	50	46	41	35	29	21
E	HMC90-6SV	1.3	1.75		70	69	67	64	60	56	50	43	36	27
F	HMC90-7SV	1.5	2		82	81	79	76	72	66	60	52	44	34
G	HMC90-8SV	1.65	2.2		95	94	92	88	83	77	69	60	51	39

HMC145-SV

Vertical multistage pumps



HMC145-SV

Application

Suitable for use with clean water even where air is present and with liquids that are not chemically aggressive towards the materials from which the pump is made. The pumps are designed to pump water even in cases where air is present. As a result of their quietness, reliability and low energy consumption they are recommended for use in domestic and civil applications such as the pressurisation and distribution of water in combination with pressure sets, and in rain water recovery and irrigation systems, etc. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **8 m**

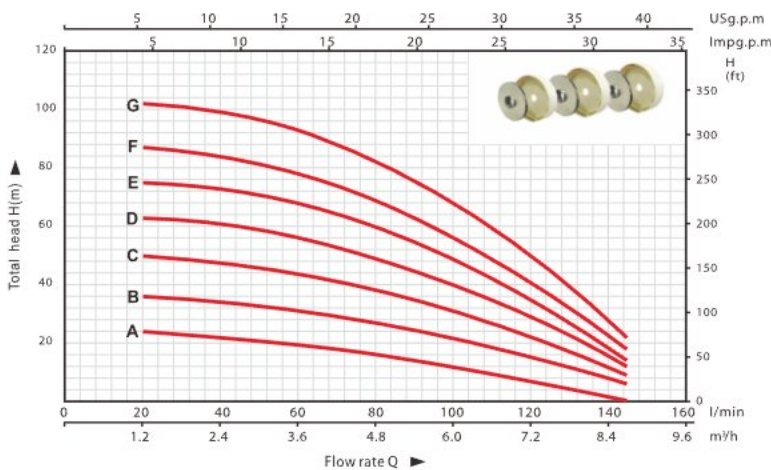
Component

- ※ **Pump body:** Cast iron + Stainless steel
- ※ **Pump support:** Cast iron
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** AISI304 SS, Techno-polymer if request
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/Graphite

Construction

- ※ **Pump body:** Cast iron + Stainless steel
- ※ **Pump support:** Cast iron
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** AISI304 SS, Techno-polymer if request
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	1.2	2.4	3.6	4.8	6	7.2	7.8	8.7
		kW	HP										
A	HMC145-2SV	0.55	0.75	H	25	24	22	20	16	12	7	4	0
B	HMC145-3SV	0.75	1		37	36	34	31	27	22	15	12	6
C	HMC145-4SV	1.1	1.5		52	50	47	44	38	31	22	17	9
D	HMC145-5SV	1.5	2		64	63	61	56	49	40	29	23	12
E	HMC145-6SV	1.85	2.5		76	75	73	68	60	49	35	27	14
F	HMC145-7SV	2.2	3		89	87	84	78	69	56	41	32	18
G	HMC145-8SV	2.5	3.3		104	102	99	93	82	68	50	40	22

HMC170-SV

Vertical multistage pumps



HMC170-SV

Application

Suitable for use with clean water even where air is present and with liquids that are not chemically aggressive towards the materials from which the pump is made. The pumps are designed to pump water even in cases where air is present. As a result of their quietness, reliability and low energy consumption they are recommended for use in domestic and civil applications such as the pressurisation and distribution of water in combination with pressure sets, and in rain water recovery and irrigation systems, etc. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **8 m**

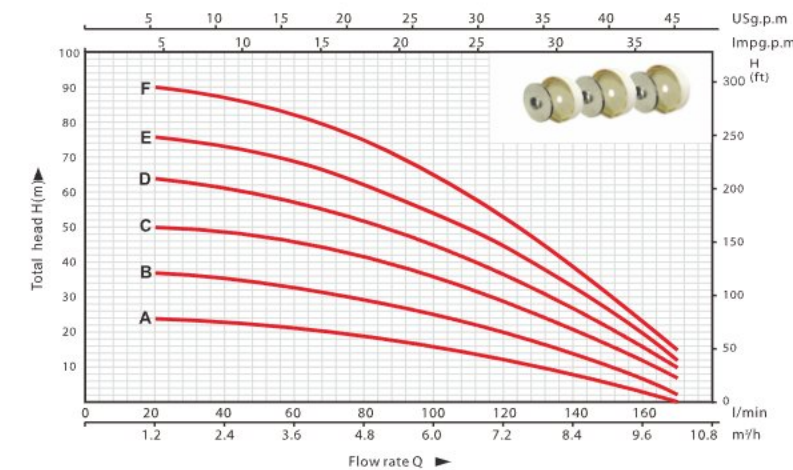
Component

- ※ **Pump body:** Cast iron + Stainless steel
- ※ **Pump support:** Cast iron
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** AISI304 SS
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/Graphite

Construction

- ※ **Pump body:** Cast iron + Stainless steel
- ※ **Pump support:** Cast iron
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** AISI304 SS
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.2
		kW	HP											
A	HMC170-2SV	0.75	1	H	25	24	23	21	19	16	12	8	3	0
B	HMC170-3SV	1	1.3		38	37	35	33	29	25	20	14	7	2
C	HMC170-4SV	1.35	1.8		52	50	48	45	42	36	29	21	12	7
D	HMC170-5SV	1.65	2.2		65	64	61	57	52	45	37	27	16	10
E	HMC170-6SV	2.1	2.8		78	76	73	69	62	54	45	33	20	12
F	HMC170-7SV	2.4	3.2		92	90	87	82	75	65	53	39	23	15

HMC-VE

Vertical multistage pumps



HMC-VE

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.

The high efficiency and adaptability of these pumps to even the most unusual of applications, makes them ideal for use in the domestic, civil and industrial sectors: in particular for the distribution of water in combination with pressure sets and for pressure boosting.

The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **8 m**

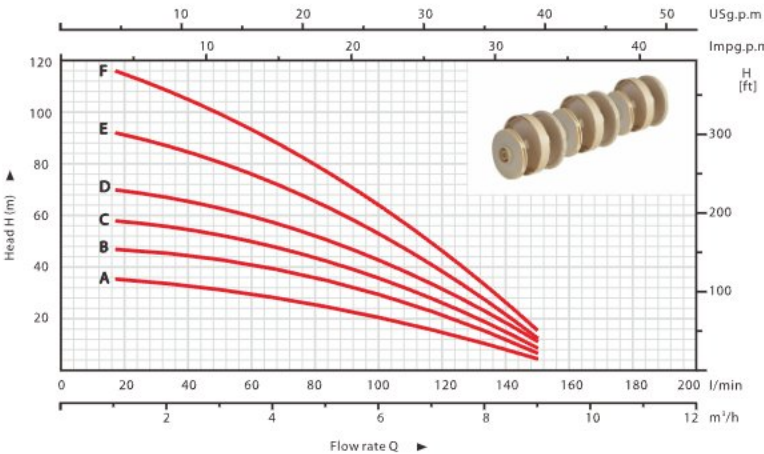
Component

- ※ **Pump body:** Cast iron + Stainless steel
- ※ **Pump support:** Cast iron
- ※ **Motor housing:** Alloy
- ※ **Impeller:** Techno-polymer, AISI304 SS if request
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/Graphite

Construction

- Cast iron + Stainless steel
- Cast iron
- Alloy
- Techno-polymer, AISI304 SS if request
- AISI304 SS
- Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	H											
		kW	HP		Q(l/min)	0	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.2	8.1	9
A	HMC-3VE	0.75	1	H	36	35	34	32	30	27	23	19	15	10	5	
B	HMC-4VE	1.1	1.5		48	47	46	44	41	38	34	29	23	16	7	
C	HMC-5VE	1.35	1.8		60	58.5	57	55	51	46	41	35	28	19	8	
D	HMC-6VE	1.65	2.2		72	70	67	64	59	53	46	38.5	30.5	22	10	
E	HMC-8VE	2	2.7		96	92	88	84	78	70	60	49	37	25	13	
F	HMC-10VE	2.5	3.3		120	116	110	104	95	83	71	57	43	30	16	

HMC-VF

Vertical multistage pumps



HMC-VF

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.

The high efficiency and adaptability of these pumps to even the most unusual of applications, makes them ideal for use in the domestic, civil and industrial sectors: in particular for the distribution of water in combination with pressure sets and for pressure boosting.

The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **8 m**

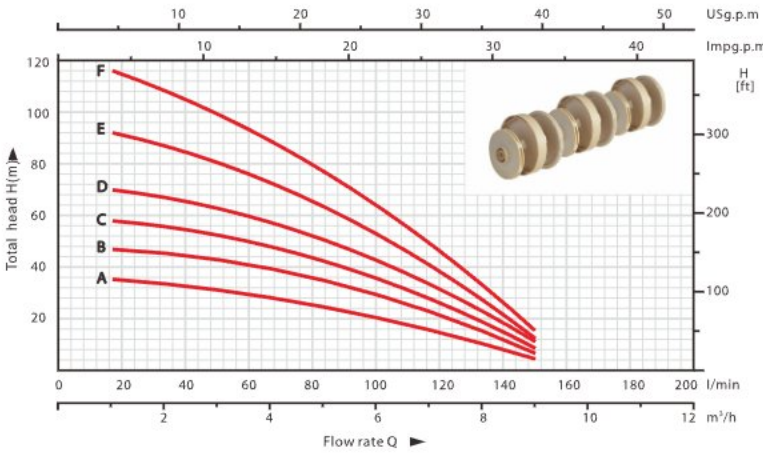
Component

- ※ **Pump body:** Cast iron + Stainless steel
- ※ **Pump support:** Cast iron
- ※ **Motor housing:** Alloy
- ※ **Impeller:** Techno-polymer, AISI304 SS if request
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/Graphite

Construction

- Cast iron + Stainless steel
- Cast iron
- Alloy
- Techno-polymer, AISI304 SS if request
- AISI304 SS
- Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	H											
		kW	HP		Q(l/min)	0	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.2	8.1	9
A	HMC-3VF	0.75	1	H	36	35	34	32	30	27	23	19	15	10	5	
B	HMC-4VF	1.1	1.5		48	47	46	44	41	38	34	29	23	16	7	
C	HMC-5VF	1.35	1.8		60	58.5	57	55	51	46	41	35	28	19	8	
D	HMC-6VF	1.65	2.2		72	70	67	64	59	53	46	38.5	30.5	22	10	
E	HMC-8VF	2	2.7		96	92	88	84	78	70	60	49	37	25	13	
F	HMC-10VF	2.5	3.3		120	116	110	104	95	83	71	57	43	30	16	

HMC-SV

Vertical multistage pumps



Application

Water supply: Pressure boosting for main pipes and high-rise buildings.
Industrial pressure boosting: Water system, cleaning system, high pressure washing system and firefighting system.
Pressure boosting for pressure tank, sprinkling irrigation and trichling irrigation.
Air conditioner, cooling system and industrial cleaning.

Features

- ※ Economic vertical multistage pumps
- ※ Applicable for a wide scope of different temperatures, flow rates and pressure ranges
- ※ Water inlet and outlet can be rotated for proper assembly in accordance with installation requirement
- ※ Easy installation and maintenance
- ※ Advanced hydraulic model design, featuring stable operation and high efficiency
- ※ Cast iron water inlet and outlet with special anti-rust treatment
- ※ High-strength engineering plastic flow passage components
- ※ Reliable stainless steel welded shaft

Operating conditions

- ※ Liquid temperature up to 75 °C
- ※ Ambient temperature up to 40 °C
- ※ Max. operating pressure: 15 bar
- ※ Altitude: up to 1000 m
- ※ Single-phase: 220V/50Hz, 60Hz if request
- ※ Three-phase: 380V/50Hz, 60Hz if request

Component

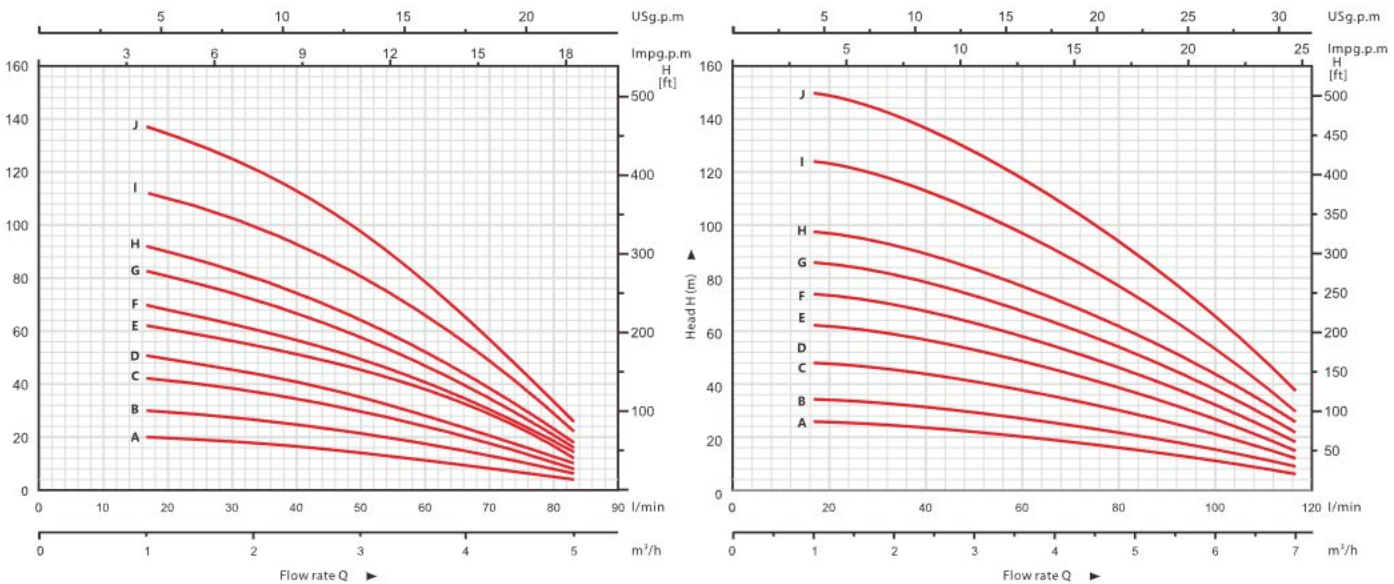
- ※ **Pump body:** Cast iron + Stainless steel
- ※ **Pump support:** Cast iron
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Techno-polymer
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/Graphite

Construction

- ※ **Pump body:** Cast iron + Stainless steel
- ※ **Pump support:** Cast iron
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Techno-polymer
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/Graphite

HMC-SV

Vertical multistage pumps



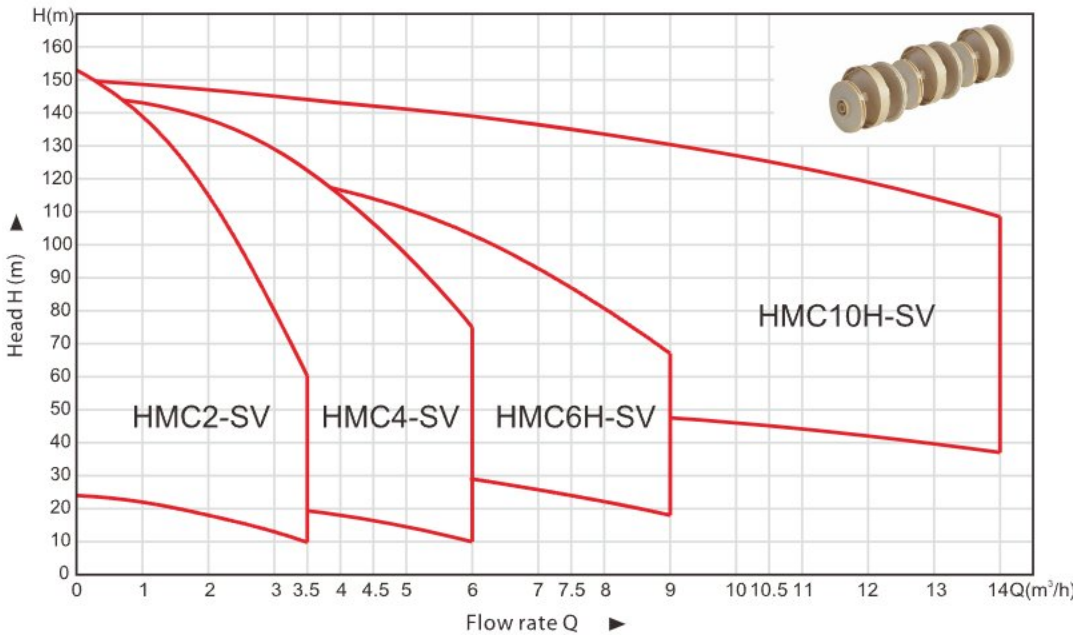
HMC2-SV

HMC4-SV

NO.	MODEL	POWER		Q(m³/h) Q(l/min)	0	1	2	3	4	5
		kW	HP		0	16.7	33.3	50	66.7	83.3
A	HMC2-2SV	0.37	0.5	H	21	20	18	14	9	4
B	HMC2-3SV	0.55	0.75		31	30	27	21	14	6
C	HMC2-4SV	0.75	1		42	41	36	28	19	8
D	HMC2-5SV	1	1.3		52	51	45	36	25	10
E	HMC2-6SV	1	1.3		62	61	54	43	30	12
F	HMC2-7SV	1.1	1.5		74	72	63	51	35	14
G	HMC2-8SV	1.5	2		85	82	72	58	40	16
H	HMC2-9SV	1.5	2		95	92	82	66	45	18
I	HMC2-11SV	1.8	2.5		118	114	102	82	55	22
J	HMC2-13SV	2.2	3		138	133	120	96	65	26

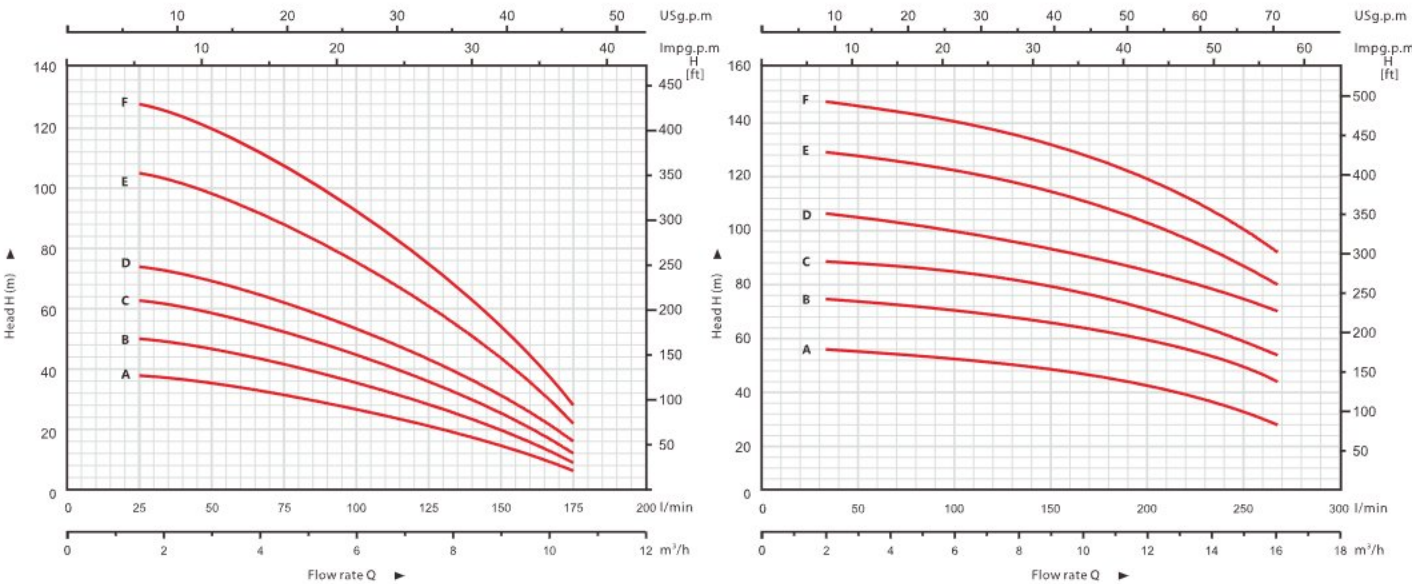
NO.	MODEL	POWER		Q(m³/h) Q(l/min)	0	1	2	3	4	5	6	7
		kW	HP		0	16.7	33.3	50	66.7	83.3	100	116.7
A	HMC4-2SV	0.55	0.75	H	25	24	22.5	20	17	14	10	6
B	HMC4-3SV	0.75	1		38	36	34	31	27	22	16	9
C	HMC4-4SV	1	1.3		50	48	46	42	36	29	21	12
D	HMC4-5SV	1.5	2		63	61	58	54	48	39	28	15
E	HMC4-6SV	1.5	2		76	74	70	65	58	48	35	18
F	HMC4-7SV	2.2	3		88	86	82	76	68	56	41	22
G	HMC4-8SV	2.2	3		100	98	94	88	78	64	47	25
H	HMC4-10SV	2.2	3		126	124	120	111	98	81	59	31
I	HMC4-12SV	3	4		151	149	145	136	120	99	72	38

PERFORMANCE CHART AT n=2850RPM



HMC-SV

Vertical multistage pumps



HMC6H-SV

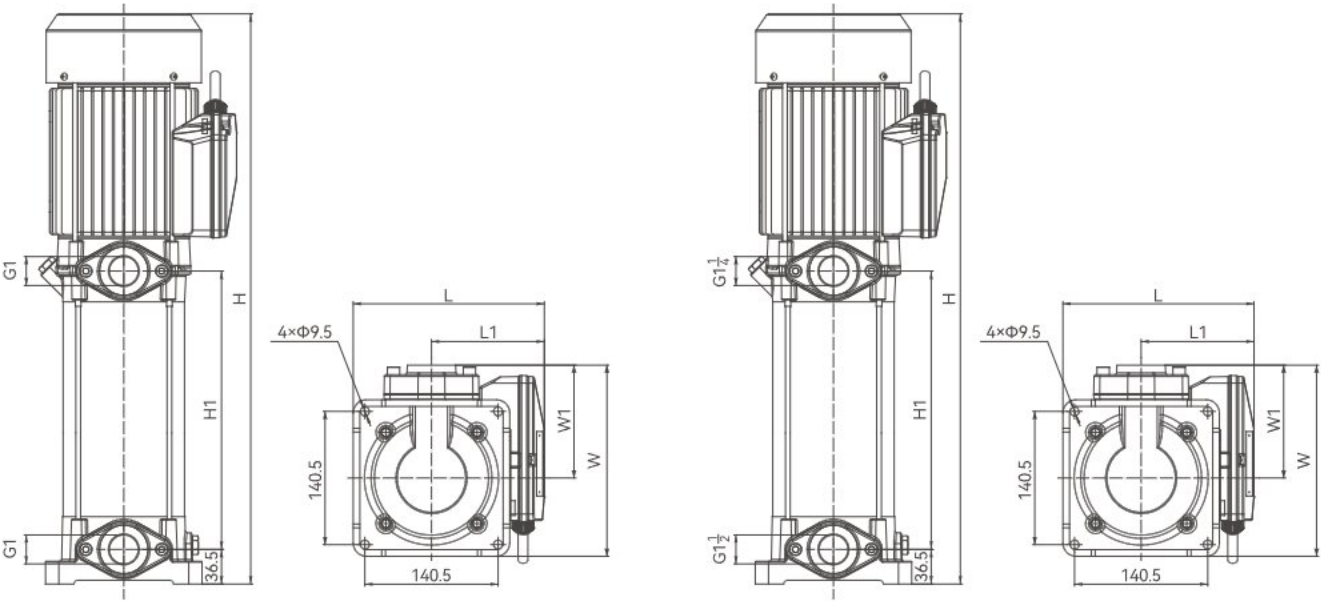
HMC10H-SV

NO.	MODEL	POWER		Q(m³/h)	0	1.5	3	4.5	6	7.5	9	10.5
		kW	HP									
A	HMC6H-3SV	1.1	1.5	H	40	38	36	33	28	22	15	6
B	HMC6H-4SV	1.5	2		53	50	47	43	38	30	20	9
C	HMC6H-5SV	1.8	2.5		66	63	60	55	48	38	26	12
D	HMC6H-6SV	2.2	3		79	76	72	67	59	48	33	16
E	HMC6H-8SV	3	4		105	102	98	91	80	64	45	22
F	HMC6H-10SV	4	5.5		132	128	121	112	100	83	59	28

NO.	MODEL	POWER		Q(m³/h)	0	2	4	6	8	10	12	14	16
		kW	HP										
A	HMC10H-3SV	3	4	H	56	55	54	52	49	46	42	37	29
B	HMC10H-4SV	4	5.5		75	74	73	70.5	67.5	64	59	52.5	43
C	HMC10H-5SV	5.5	7.5		93	90.5	88	85	81.5	77	71	63.5	55
D	HMC10H-6SV	5.5	7.5		113	111.5	109	105.5	101	96	88	79	68
E	HMC10H-7SV	7.5	10		132	130	127	123	118	112	104	94	81
F	HMC10H-8SV	7.5	10		150	147	143	139	133.5	127	119	108.5	94

HMC-SV

Vertical multistage pumps



HMC2-SV,HMC4-SV

HMC6H-SV

MODEL	INLET/OUTLET	N.W	L x W x H
	(Inch)	(Kg)	(mm)
HMC2-2SV	1"×1"	14.2	440×245×255
HMC2-3SV	1"×1"	14.8	465×245×255
HMC2-4SV	1"×1"	16.9	490×245×255
HMC2-5SV	1"×1"	17.3	510×245×255
HMC2-6SV	1"×1"	18.4	535×245×255
HMC2-7SV	1"×1"	20.8	575×245×265
HMC2-8SV	1"×1"	22.2	600×245×265
HMC2-9SV	1"×1"	23.5	625×245×265
HMC2-11SV	1"×1"	25.0	705×245×265
HMC2-13SV	1"×1"	26.8	750×245×265
HMC4-2SV	1"×1"	14.8	440×245×255
HMC4-3SV	1"×1"	16.5	465×245×255
HMC4-4SV	1"×1"	17.6	490×245×255
HMC4-5SV	1"×1"	20.7	530×245×265
HMC4-6SV	1"×1"	21.9	555×245×265
HMC4-7SV	1"×1"	23.5	610×245×265
HMC4-8SV	1"×1"	24.0	635×245×265
HMC4-10SV	1"×1"	26.1	680×245×265
HMC4-12SV	1"×1"	38.2	805×290×300
HMC6H-3SV	1½"×1½"	19.1	490×245×265
HMC6H-4SV	1½"×1½"	21.1	515×245×265
HMC6H-5SV	1½"×1½"	23.2	575×245×265
HMC6H-6SV	1½"×1½"	24.6	600×245×265
HMC6H-8SV	1½"×1½"	36.0	730×290×300
HMC6H-10SV	1½"×1½"	39.9	780×290×300

MODEL	DIMENSIONS/DIMENSIONES/DIMENSIONS mm					
	H	H1	L	L1	W	W1
HMC2-2SV	388	130.5	182	99.5	202	119
HMC2-3SV	412	154.5	182	99.5	202	119
HMC2-4SV	436	178.5	182	99.5	202	119
HMC2-5SV	460	202.5	182	99.5	202	119
HMC2-6SV	484	226.5	182	99.5	202	119
HMC2-7SV	527	250	209	119	202	119
HMC2-8SV	551	274	209	119	202	119
HMC2-9SV	575	298	209	119	202	119
HMC2-11SV	654	346	209	119	202	119
HMC2-13SV	701	393.5	209	119	202	119
HMC4-2SV	388	130.5	182	99.5	202	119
HMC4-3SV	412	154.5	182	99.5	202	119
HMC4-4SV	436	178.5	182	99.5	202	119
HMC4-5SV	479	202.5	209	119	202	119
HMC4-6SV	503	226.5	209	119	202	119
HMC4-7SV	558	250	209	119	202	119
HMC4-8SV	582	274	209	119	202	119
HMC4-10SV	630	322	209	119	202	119
HMC4-12SV	733	376	236	134	216	119
HMC6H-3SV	439	162	209	119	201	118
HMC6H-4SV	465	189	209	119	201	118
HMC6H-5SV	523	215	209	119	201	118
HMC6H-6SV	549	242	209	119	201	118
HMC6H-8SV	658	300	236	134	215	118
HMC6H-10SV	711	353	236	134	215	118

HMC-IA

Multistage pumps



HMC-IA

Application

Suitable for use with clean water even where air is present and with liquids that are not chemically aggressive towards the materials from which the pump is made. The pumps are designed to pump water even in cases where air is present. As a result of their quietness, reliability and low energy consumption they are recommended for use in domestic and civil applications such as the pressure sets, and in rain water recovery and irrigation system, etc. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **8 m**

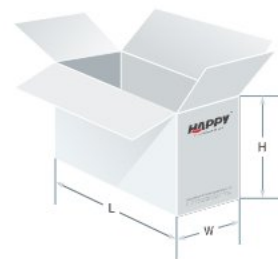
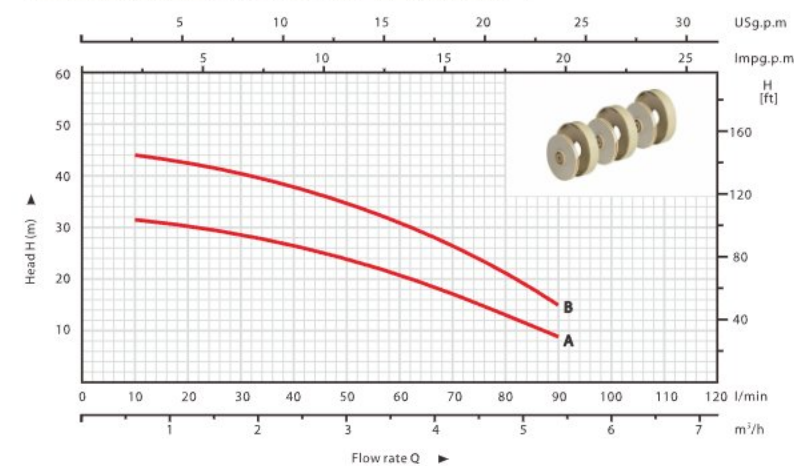
Component

- ※ **Pump body:** AISI304 SS
- ※ **Pump support:** Aluminum
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Techno-polymer
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/Graphite

Construction

- ※ **Pump body:** AISI304 SS
- ※ **Pump support:** Aluminum
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Techno-polymer
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	Q(l/min)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4
		kW	HP			0	10	20	30	40	50	60	70	80	90
A	HMC-3IA	0.37	0.5	H	H	32	31.5	30.5	29	27	24.5	21.5	18	14	9
B	HMC-4IA	0.75	1			45	44	42	40	37.5	34.5	31	26.5	21	15

HFC-01

Swimming pool pumps



Timer if request



HFC-03
(if request)



HFC-01

Application

Filter centrifugal pumps are designed for cleaning swimming pool. They are suitable to transfer high volumes of water(not exceeding 45°C) against low head. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **45 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **8 m**

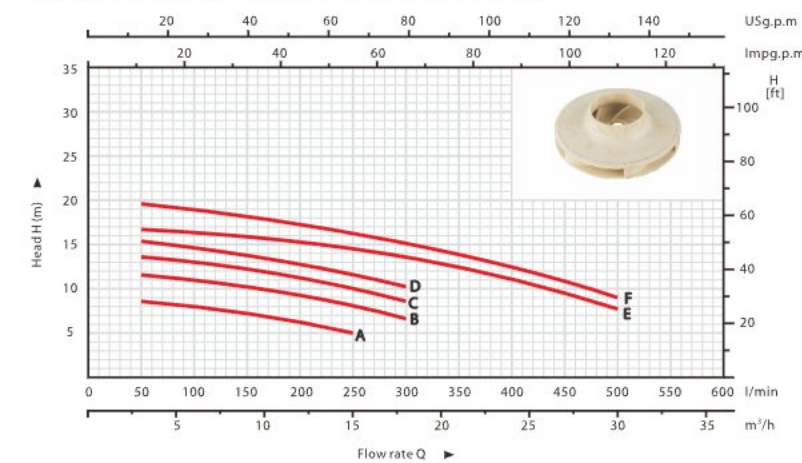
Component

- ※ **Pump body:** Techno-polymer
- ※ **Pump support:** Aluminum
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Techno-polymer
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/Graphite

Construction

- ※ **Pump body:** Techno-polymer
- ※ **Pump support:** Aluminum
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Techno-polymer
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER(IN)	Q(m³/h)	Q(l/min)	0	3	6	9	12	15	18	21	24	27	30
					0	50	100	150	200	250	300	350	400	450	500
A	HFC-601	0.6	H	H	9	8.6	8	7.2	6.2	5					
B	HFC-801	0.8			12	11.5	10.9	10.2	9.3	8.1	6.6				
C	HFC-901	0.9			14	13.6	13	12.2	11.2	10	8.6				
D	HFC-1101	1.1			16	15.3	14.6	13.8	12.8	11.6	10.2				
E	HFC-1501	1.5			17	16.7	16.4	15.9	15.3	14.6	13.6	12.3	11	9.5	7.6
F	HFC-2201	2.2			20	19.5	18.8	18	17.2	16.2	15	13.8	12.5	11	9

HFC-02

Swimming pool pumps



HFC-03
(if request)

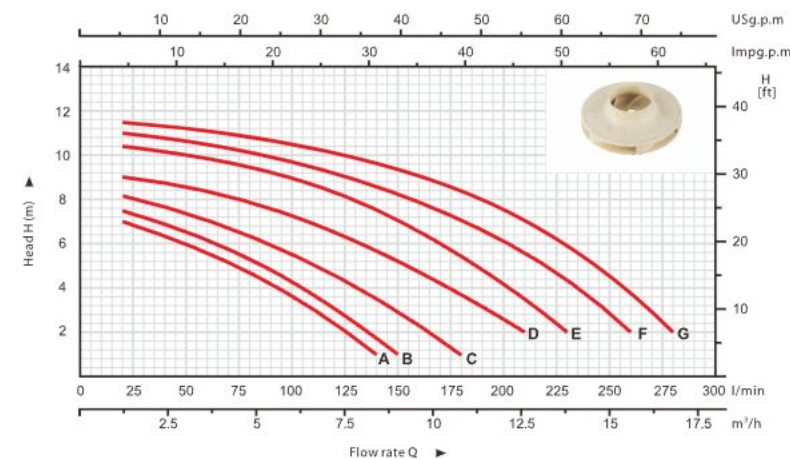


HFC-05
(if request)



HFC-02

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER(IN)	Q(m³/h)	0	1.2	1.8	3.6	4.8	7.2	8.4	9	10.8	12.6	13.8	15.6	16.8
		kW	Q(l/min)	0	20	30	60	80	120	140	150	180	210	230	260	280
A	HFC-252	0.28	H	7.5	7	6.7	5.7	4.8	2.4	1						
B	HFC-302	0.31		8	7.5	7.3	6.4	5.5	3.2	1.8	1					
C	HFC-352	0.35		8.5	8	7.8	7	6.4	4.8	3.7	3	1				
D	HFC-452	0.45		9.5	9	8.9	8.5	8.1	6.8	6	5.5	3.8	2			
E	HFC-552	0.55		11	10.5	10.4	10	9.6	8.5	7.7	7.2	5.5	3.5	2		
F	HFC-752	0.75		11.5	11	10.9	10.5	10.1	9.2	8.6	8.3	7.2	5.7	4.4	2	
G	HFC-852	0.85		12	11.5	11.4	11	10.7	10	9.6	9.4	8.5	7.2	6	3.9	2

Application

Filter centrifugal pumps are designed for cleaning swimming pool. They are suitable to transfer high volumes of water(not exceeding 45°C) against low head. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **45 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **8 m**

Component

- ※ **Pump body:**
- ※ **Pump support:**
- ※ **Motor housing:**
- ※ **Impeller:**
- ※ **Motor shaft:**
- ※ **Mechanical seal:**

Construction

- Techno-polymer
- Aluminum
- Aluminum
- Techno-polymer
- AISI304 SS
- Ceramic/Graphite

NO.	MODEL	INLET/OUTLET (mm)	N.W (Kg)	L x W x H (mm)
A	HFC-252	48.5(50)×48.5(50)	4.7	450×200×215
B	HFC-302	48.5(50)×48.5(50)	4.8	450×200×215
C	HFC-352	48.5(50)×48.5(50)	4.9	450×200×215
D	HFC-452	48.5(50)×48.5(50)	5.1	450×200×215
E	HFC-552	48.5(50)×48.5(50)	5.2	450×200×215
F	HFC-752	48.5(50)×48.5(50)	5.9	450×200×215
G	HFC-852	48.5(50)×48.5(50)	6.2	450×200×215

HFC-D

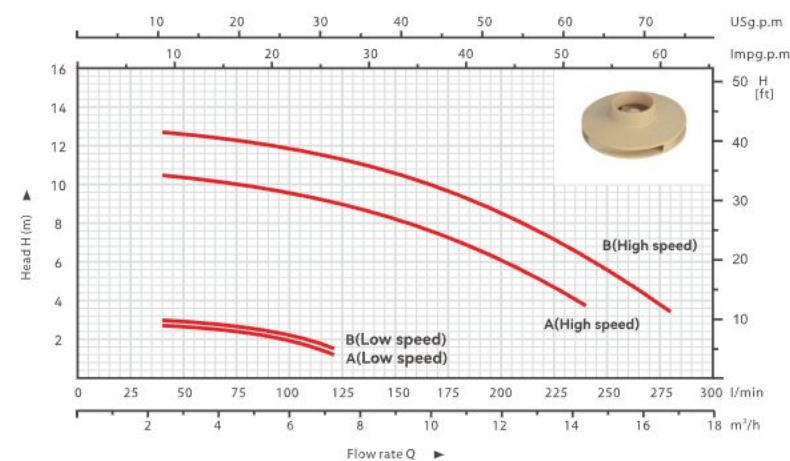
Swimming pool pumps



HFC-03D
(if request)



HFC-01D



NO.	MODEL	POWER(IN)	Q(m³/h)	0	2.4	4.8	7.2	9.6	12	14.4	16.8
		kW	Q(l/min)	0	40	80	120	160	200	240	280
A	HFC-801D	(High speed)0.8	H	10.8	10.4	9.8	9	7.7	6	3.8	
		(Low speed)0.25		2.8	2.7	2.3	1.2				
B	HFC-901D	(High speed)0.9		13	12.6	12	11.2	10	8.2	6	3.4
		(Low speed)0.25		3.1	3	2.6	1.6				

Application

Applicable for water circulation and filtration water system of swimming pools, waterscape, hot springs, saunas, baths, aquaculture, etc.

Motor

- ※ Two or four-pole induction motor (n=3450 or 1725 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 110 or 220V/60Hz

Operating conditions

- ※ Liquid temperature up to **45 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **8 m**

Component

- ※ **Pump body:**
- ※ **Pump support:**
- ※ **Motor housing:**
- ※ **Impeller:**
- ※ **Motor shaft:**
- ※ **Mechanical seal:**

Construction

- Techno-polymer
- Aluminum
- Aluminum
- Techno-polymer
- AISI304 SS
- Ceramic/Graphite

NO.	MODEL	INLET/OUTLET (mm)	N.W (Kg)	L x W x H (mm)
		(mm)	(Kg)	(mm)
A	HFC-801D	48.5(50)×48.5(50) 60.3(63)×60.3(63) (if request)	9.3	590×230×295
B	HFC-901D	48.5(50)×48.5(50) 60.3(63)×60.3(63) (if request)	10.5	590×230×295



HSPA

Hydromassage bathtub pumps



Pneumatic switch



HSPA-02
(if request)



HSPA-01

Application

Suitable for water circulation such as hydromassage.
The pump should be installed in an enclosed environment,
or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

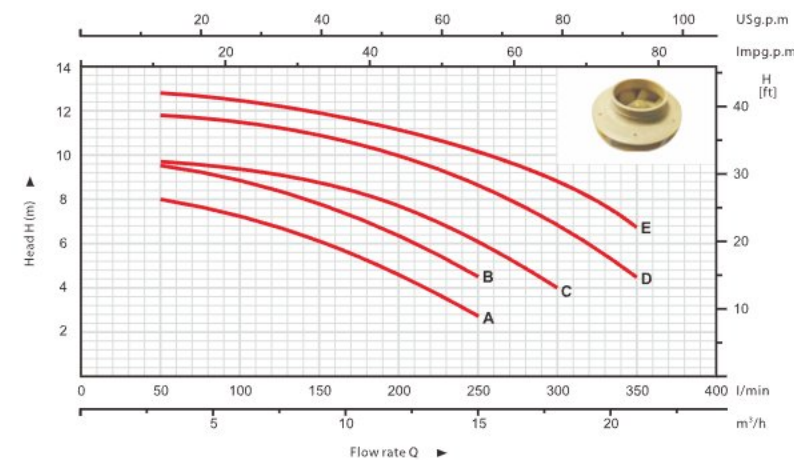
- ※ Liquid temperature up to **50 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **8 m**

Component

- ※ **Pump body:** Techno-polymer
- ※ **Pump support:** Aluminum
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Techno-polymer
- ※ **Motor shaft:** Carbon steel, AISI 304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite

Construction

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER(IN) kW	Q(m³/h) Q(l/min)	0	3	6	9	12	15	18	21
				0	50	100	150	200	250	300	350
A	HSPA501	0.5	H	8.5	8	7.2	6.2	4.5	2.7		
B	HSPA601	0.6		10	9.5	9	7.5	6.5	4.5		
C	HSPA801	0.8		10	9.6	9.2	8.8	8	6	4	
D	HSPA1101	1.1		12	11.8	11.5	11	10	8.5	7	4.5
E	HSPA1301	1.3		13	12.8	12.5	12	11	10	9	6.7

HKJm

Self-priming Jet pumps



HKJm-B/C

Application

Suitable for use with clean water and liquids that are not
chemically aggressive towards the materials from which
the pump is made.
The self-priming jet pumps are designed to pump water
even in cases where air is present. As a result of their
reliability and the fact that they are easy to use, and
recommended for use in domestic applications such as
the distribution of water in combination with small or
medium sized pressure sets, and for the irrigation of
gardens and allotments, etc.
The pump should be installed in an enclosed environment,
or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

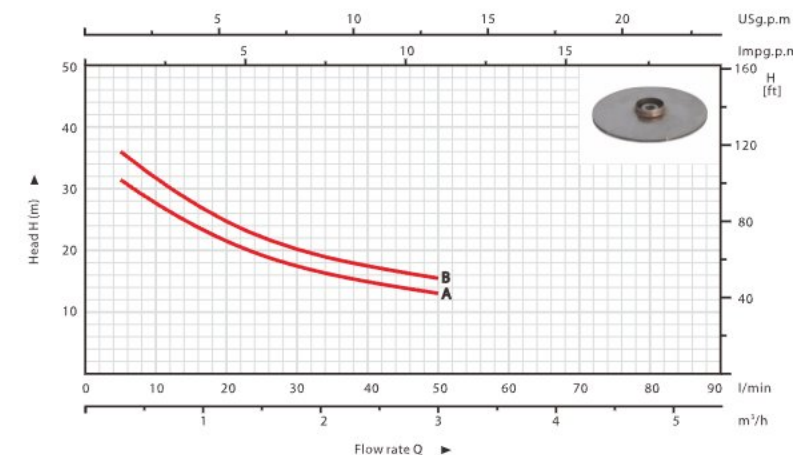
- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **9 m**

Component

- ※ **Pump body:** Cast iron
- ※ **Pump support:** Aluminum
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** AISI304 SS
- ※ **Diffuser:** Techno-polymer
- ※ **Motor shaft:** Carbon steel, AISI304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite

Construction

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	INLET/OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	HKJm-1C	1" x 1"	9.1	370×170×195
B	HKJm-1B	1" x 1"	9.7	370×170×195



NO.	MODEL	POWER		Q(m³/h) Q(l/min)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3
		kW	HP		0	5	10	15	20	25	30	35	40	45	50
A	HKJm-1C	0.37	0.5	H	36	31.5	27.5	24	21	19	17.3	16	15	14	13
B	HKJm-1B	0.55	0.75		41	36	31.5	28	25	22	20	18.5	17.5	16.5	15.5

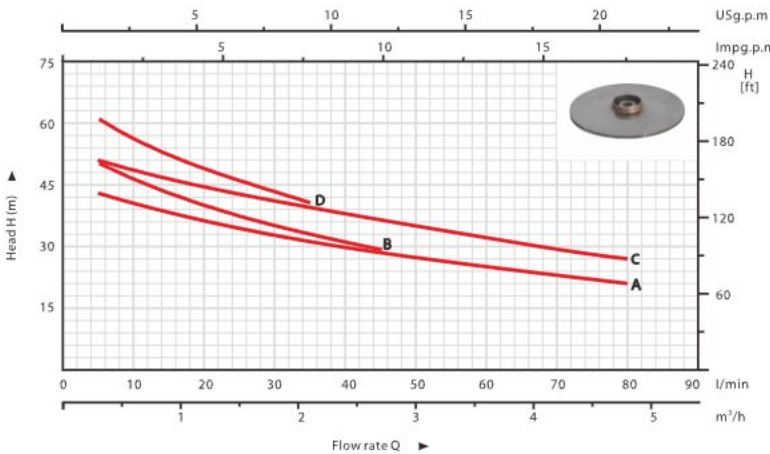
HKJm

Self-priming Jet pumps



HKJm-M/H

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	Q(l/min)													
		kW	HP		0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3	3.6	4.2	4.8
A	HKJm-10M	0.75	1	H	46	43	40.5	38.3	36.2	34.8	33.3	31.8	30.5	29	27.5	25	23	21
B	HKJm-10H	0.75	1		56	50.5	46	43	40	37.5	35	33	31	29	27			
C	HKJm-15M	1.1	1.5		54	51	48.5	46.5	44.5	42.5	41	39.5	38	36.5	35	32	29	27
D	HKJm-15H	1.1	1.5		66	61	56.5	52.5	49	46	43.5	41	38	35.5	34			

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.

The self-priming jet pumps are designed to pump water even in cases where air is present. As a result of their reliability and the fact that they are easy to use, and recommended for use in domestic applications such as the distribution of water in combination with small or medium sized pressure sets, and for the irrigation of gardens and allotments, etc.

The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **9 m**

Component

- ※ **Pump body:** Cast iron
- ※ **Pump support:** Aluminum
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** AISI304 SS
- ※ **Diffuser:** Techno-polymer
- ※ **Motor shaft:** Carbon steel, AISI304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite

Construction



JET-A/B/C

Self-priming Jet pumps



JET-A

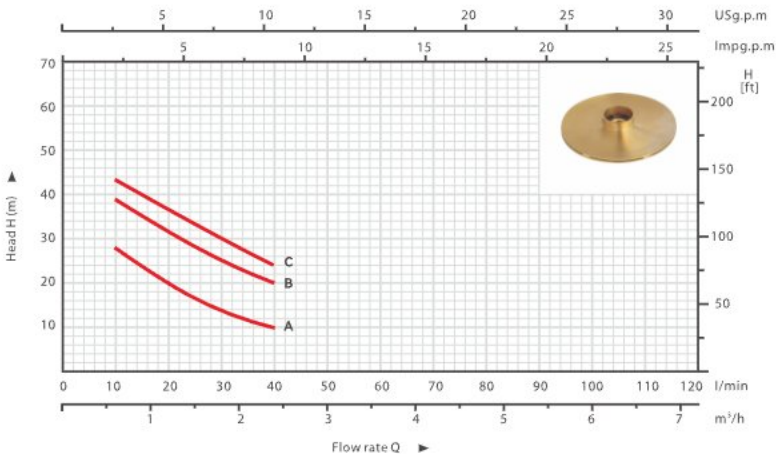


JET-B



JET-C

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	Q(l/min)				
		kW	HP		0	0.6	1.2	1.8	2.4
A	JET-60A/B/C	0.37	0.5	H	35	28	20	14	10
B	JET-80A/B/C	0.55	0.75		48	39	31	25	20
C	JET-100A/B/C	0.75	1		53	43.5	35.5	30	24



Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.

The self-priming jet pumps are designed to pump water even in cases where air is present. As a result of their reliability and the fact that they are easy to use, they are recommended for use in domestic applications such as the distribution of water in combination with small or medium sized pressure sets, and for the irrigation of gardens and allotments, etc.

The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **9 m**

Component

- ※ **Pump body:** Cast iron
- ※ **Pump support:** Cast iron
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Brass
- ※ **Diffuser:** Techno-polymer
- ※ **Motor shaft:** Carbon steel, AISI304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite

Construction

JET-A

Self-priming Jet pumps



JET-A

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.

The self-priming jet pumps are designed to pump water even in cases where air is present. As a result of their reliability and the fact that they are easy to use, they are recommended for use in domestic applications such as the distribution of water in combination with small or medium sized pressure sets, and for the irrigation of gardens and allotments, etc.

The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **9 m**

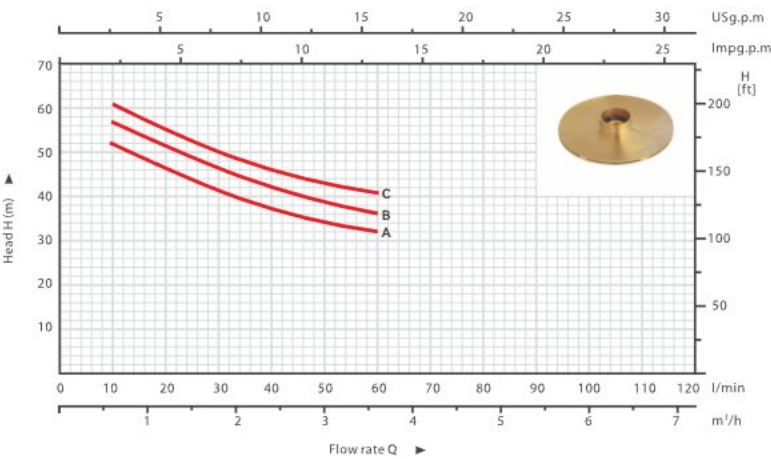
Component

- ※ **Pump body:** Cast iron
- ※ **Pump support:** Cast iron
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Brass
- ※ **Diffuser:** Techno-polymer
- ※ **Motor shaft:** Carbon steel, AISI304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite

Construction

- Cast iron
- Cast iron
- Aluminum
- Brass
- Techno-polymer
- Carbon steel, AISI304 SS if request
- Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	0.6	1.2	1.8	2.4	3.0	3.6
		kW	HP								
A	JET-150A	0.9	1.2	H	56	52	46	41	37	34	32
B	JET-180A	1.1	1.5		61	57	51	46	42	38.5	36
C	JET-200A	1.5	2		66	61	55	50	46	43	40.5

JSP

Self-priming Jet pumps



JSP

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.

The self-priming jet pumps are designed to pump water even in cases where air is present. As a result of their reliability and the fact that they are easy to use, they are recommended for use in domestic applications such as the distribution of water in combination with small or medium sized pressure sets, and for the irrigation of gardens and allotments, etc.

The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **9 m**

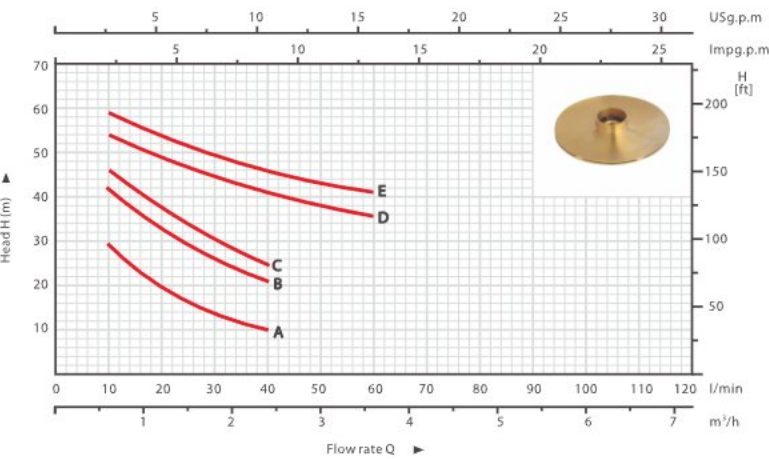
Component

- ※ **Pump body:** Cast iron
- ※ **Pump support:** Cast iron
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Brass
- ※ **Diffuser:** Techno-polymer
- ※ **Motor shaft:** Carbon steel, AISI304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite

Construction

- Cast iron
- Cast iron
- Aluminum
- Brass
- Techno-polymer
- Carbon steel, AISI304 SS if request
- Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	0.6	1.2	1.8	2.4	3.0	3.6
		kW	HP								
A	JSP-60	0.37	0.5	H	35	29	20	13	10		
B	JSP-80	0.55	0.75		48	42	33	25.5	21		
C	JSP-100	0.75	1		53	46	38	30	24.5		
D	JSP-150	1.1	1.5		61	54	49	44.5	41	38	35.5
E	JSP-200	1.5	2		65	59	53.5	49.5	46	43	41

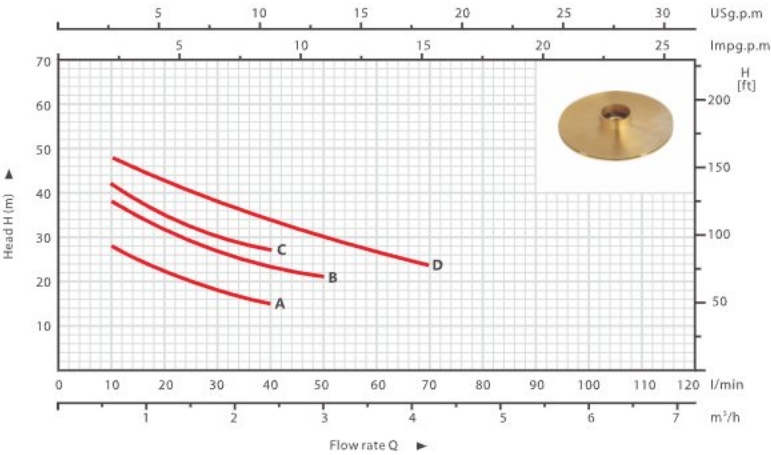
HJ

Self-priming Jet pumps



HJ

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	0.6	1.2	1.8	2.4	3	3.6	4.2
		kW	HP									
A	HJ-6M	0.37	0.5	H	35	28	22	18	15			
B	HJ-10M	0.75	1		43	38	31.5	27	23.5	21		
C	HJ-10H	0.75	1		51	42	35	30	27			
D	HJ-15M	1.1	1.5		52	48	42.5	38	34	30	27	23.5

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.

The self-priming jet pumps are designed to pump water even in cases where air is present. As a result of their reliability and the fact that they are easy to use, they are recommended for use in domestic applications such as the distribution of water in combination with small or medium sized pressure sets, and for the irrigation of gardens and allotments, etc.

The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **9 m**

Component

- ※ **Pump body:** Cast iron
- ※ **Pump support:** Cast iron
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Brass
- ※ **Diffuser:** Techno-polymer
- ※ **Motor shaft:** Carbon steel, AISI304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite

Construction



NO.	MODEL	INLET/OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(mm)
A	HJ-6M	1"×1"	8.5	380×180×200
B	HJ-10M	1"×1"	14	435×205×235
C	HJ-10H	1"×1"	14	435×205×235
D	HJ-15M	1"×1"	15.5	445×205×235

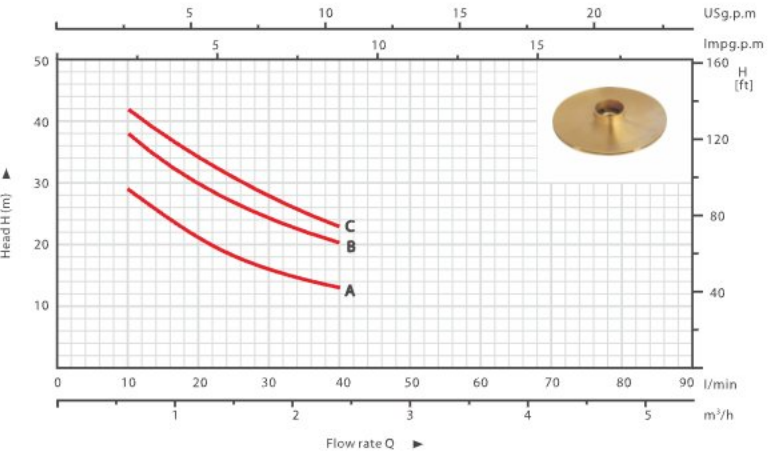
JET-S

Self-priming Jet pumps



JET-S

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	0.6	1.2	1.8	2.4
		kW	HP						
A	JET-60S	0.37	0.5	H	35	29	21	16	13
B	JET-80S	0.55	0.75		42	38	30	24	20
C	JET-100S	0.75	1		45	42	34	28	23

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.

The self-priming jet pumps are designed to pump water even in cases where air is present. As a result of their reliability and the fact that they are easy to use, and recommended for use in domestic applications such as the distribution of water in combination with small or medium sized pressure sets, and for the irrigation of gardens and allotments, etc.

The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **9 m**

Component

- ※ **Pump body:** Cast iron
- ※ **Pump support:** Cast iron
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Brass
- ※ **Diffuser:** Techno-polymer
- ※ **Motor shaft:** Carbon steel, AISI304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite

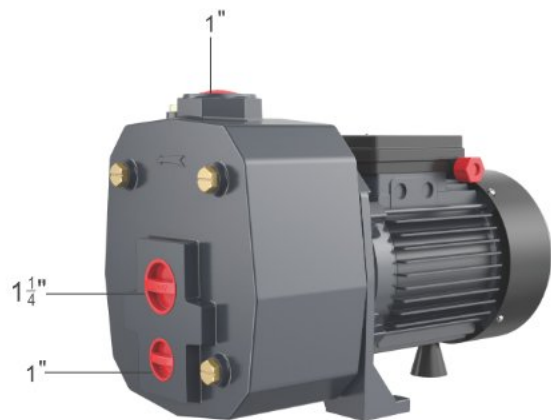
Construction



NO.	MODEL	INLET/OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(mm)
A	JET-60S	1"×1"	9.5	350×190×200
B	JET-80S	1"×1"	11.5	395×205×225
C	JET-100S	1"×1"	12.5	395×205×225

DP-A

Deep well self-priming Jet pumps



DP-A



NO.	MODEL	POWER		Q(l/h)	HS(m)	0	120	240	360	480	600	840	960	1080	1200	1320	1440	1560	1680	1800
		kW	HP			TOTAL MANOMETRIC HEAD IN METERS(m)														
A1	DP-505A	1.1	1.5	15	15	55	52	49	46	42	38	34	30	28	23	20	18			
B1	DP-750A	1.5	2			70	68	62	58	53	50	47	44	41	28	35	32	30	28	26
A2	DP-505A	1.1	1.5	20	20	50	47	43	40	35	32	28	25	22						
B2	DP-750A	1.5	2			65	60	56	52	48	45	42	38	35						
A3	DP-505A	1.1	1.5	25	25	40	35	32	28	25	21	19								
B3	DP-750A	1.5	2			60	55	50	45	43	40	35	32							
A4	DP-505A	1.1	1.5	30	30	35	32	28	25	22										
B4	DP-750A	1.5	2			55	50	46	42	40	36									
A5	DP-505A	1.1	1.5	35	35	30	27	24	20											
B5	DP-750A	1.5	2			50	46	41	37											

Application

Deep well self-priming water pumps installed above ground with the jet body submerged guarantees function even when the static level of the well water falls as far as 35 meters below the level of the installed pump. So they are extremely reliable, economical and simple to use and find many usages in domestic applications and the automatic distribution of water from small and medium-sized surge tanks, watering gardens, etc.
In all cases where the suction depth exceeds the normal capacity for surface pumps.
Suitable for pumping clean water and liquid which are not chemically aggressive to the pump components.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**

Component

- ※ **Pump body:** Cast iron
- ※ **Pump support:** Cast iron
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Brass
- ※ **Diffuser:** Techno-polymer
- ※ **Motor shaft:** Carbon steel, AISI304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite

NO.	MODEL	INLET/OUTLET	N.W	L x W x H
		(Inch)		
A	DP-505A	(1 1/4"x1")x1"	25	490×245×280
B	DP-750A	(1 1/4"x1")x1"	26	490×245×280



Deep well self-priming Jet pumps



JETDP

Deep well self-priming Jet pumps



Application

Deep well self-priming water pumps installed above ground with the jet body submerged guarantees function even when the static level of the well water falls as far as 35 meters below the level of the installed pump. So they are extremely reliable, economical and simple to use and find many usages in domestic applications and the automatic distribution of water from small and medium-sized surge tanks, watering gardens, etc.
In all cases where the suction depth exceeds the normal capacity for surface pumps.
Suitable for pumping clean water and liquid which are not chemically aggressive to the pump components.
The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**

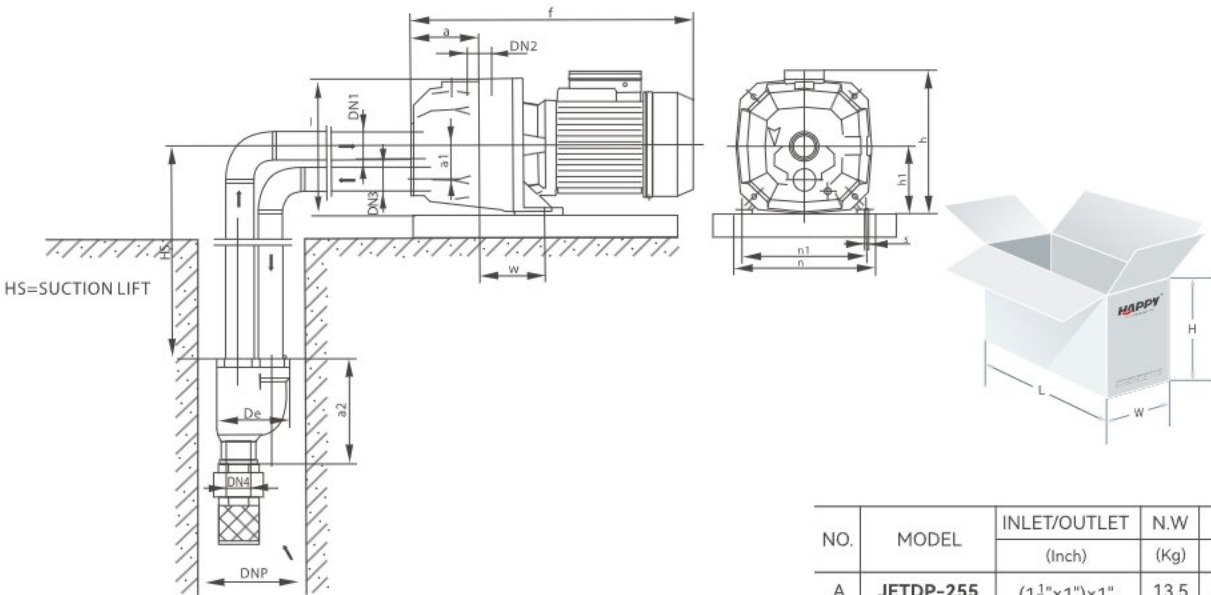
Component

- ※ **Pump body:** Cast iron
- ※ **Pump support:** Cast iron
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Brass
- ※ **Diffuser:** Techno-polymer
- ※ **Motor shaft:** Carbon steel, AISI304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite

Construction

- Cast iron
- Cast iron
- Aluminum
- Brass
- Techno-polymer
- Carbon steel, AISI304 SS if request
- Ceramic/Graphite

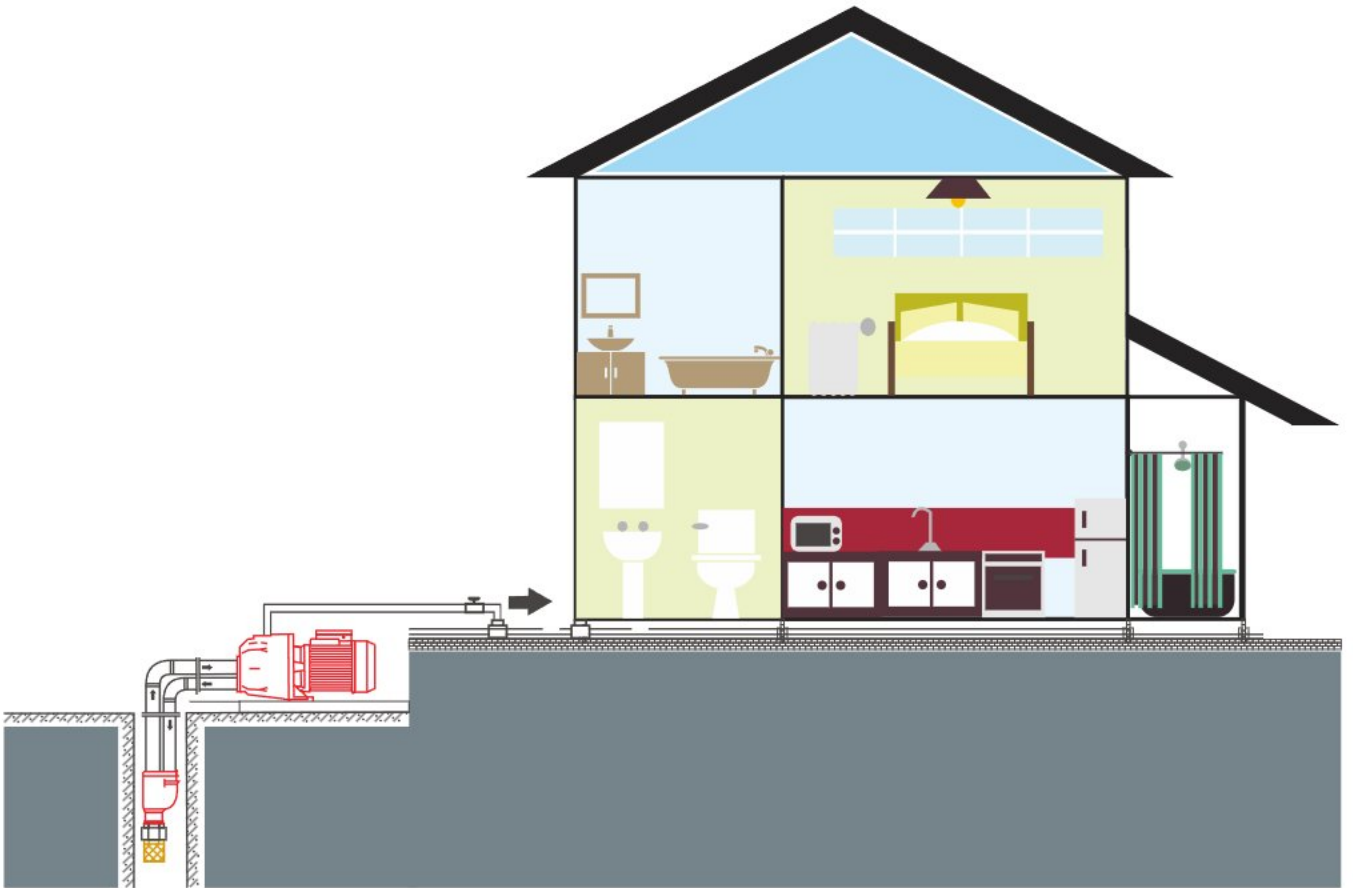
WATER PUMP WITH INTEGRAL EJECTOR



NO.	MODEL	INLET/OUTLET	N.W	L x W x H
		(Inch)		
A	JETDP-255	(1 1/4"x1")x1"	13.5	470x205x230
B	JETDP-370	(1 1/2"x1")x1"	14	470x205x230
C	JETDP-550	(1 3/4"x1")x1"	15	470x205x230

JETDP

Deep well self-priming Jet pumps



NO.	MODEL	POWER		Q(l/h)	HS(m)	0	120	240	360	480	600	840	960	1080	1200	1320	1440	1560	1680	1800
		kW	HP			TOTAL MANOMETRIC HEAD IN MERTES(m)														
A1	JETDP-255	0.37	0.5			26	23	21	18	15	13	11	10	8	7					
B1	JETDP-370	0.55	0.75	15		39	35	32	29	27	23	21	19	17	15	14	13			
C1	JETDP-550	0.75	1			50	46	43	40	37	34	32	28	26	24	22	20	19	18	17
B2	JETDP-370	0.55	0.75	20		30	27	23	20	16	13	10								
C2	JETDP-550	0.75	1			39	35	32	30	27	25	23	20	17						
B3	JETDP-370	0.55	0.75	25		23	20	17	15											
C3	JETDP-550	0.75	1			32	29	25	22	20										
B4	JETDP-370	0.55	0.75	30		16	13	11												
C4	JETDP-550	0.75	1			25	23	20	17											
C5	JETDP-550	0.75	1	35		18	16	15												

NO.	MODEL	DNP	DN1	DN2	DN3	DN4	DE	DIMENSION(mm)											
								a	a1	a2	f	f1	h	h1	l	n	n1	w	s
A	JETDP-255																		
B	JETDP-370	4"	1 1/4"	1"	1"	1"	97	91	45	142	375	515	193	94	177	184	142	100	10
C	JETDP-550																		

SJET-C

Garden Jet pumps



SJET-C

Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.

The self-priming jet pumps are designed to pump water even in cases where air is present. As a result of their reliability and the fact that they are easy to use, they are recommended for use in domestic applications such as the distribution of water in combination with small or medium sized pressure sets, and for the irrigation of gardens and allotments, etc.

The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ Liquid temperature up to **60 °C**
- ※ Ambient temperature up to **40 °C**
- ※ Total suction lift up to **9 m**

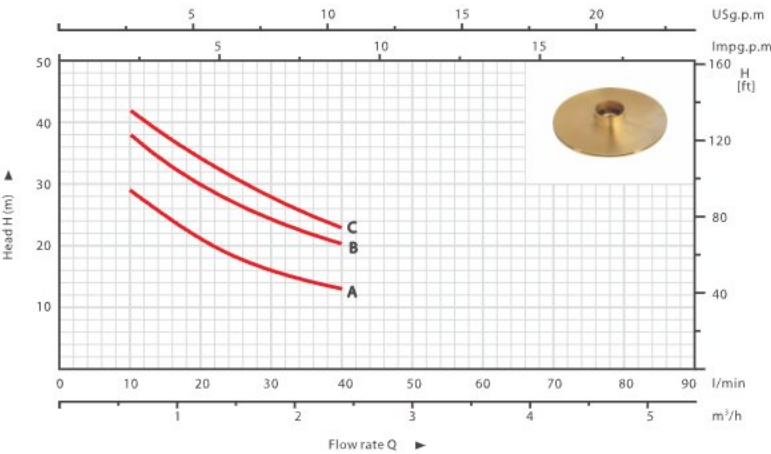
Component

- ※ **Pump body:** AISI304 SS
- ※ **Pump support:** Aluminum
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Brass, AISI304 SS if request
- ※ **Diffuser:** Techno-polymer
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/Graphite

Construction

- ※ **Pump body:** AISI304 SS
- ※ **Pump support:** Aluminum
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Brass, AISI304 SS if request
- ※ **Diffuser:** Techno-polymer
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/Graphite

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h) Q(l/min)	0	0.6	1.2	1.8	2.4
		kW	HP						
A	SJET-60C	0.37	0.5	H	35	29	21	16	13
B	SJET-80C	0.55	0.75		42	38	30	24	20
C	SJET-100C	0.75	1		45	42	34	28	23



QDP-C

Submersible pumps



QDP-C

Application

Suitable for use with clean water that does not contain abrasive particles.

As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as domestic, gardening, irrigation and emptying tanks.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP68**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request

Operating conditions

- ※ **5 m** maximum immersion depth
- ※ Liquid temperature up to **35 °C**
- ※ Maximum ambient temperature **40 °C**

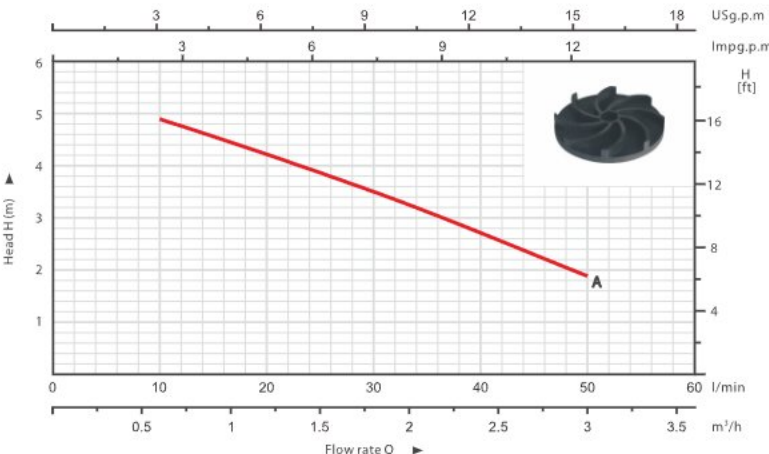
Component

- ※ **Pump body:** Techno-polymer
- ※ **Suction filter:** Techno-polymer
- ※ **Impeller:** Techno-polymer
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/Graphite
- ※ **Cable:** 5 m power cable with plug

Construction

- ※ **Pump body:** Techno-polymer
- ※ **Suction filter:** Techno-polymer
- ※ **Impeller:** Techno-polymer
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/Graphite
- ※ **Cable:** 5 m power cable with plug

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h) Q(l/min)	0	0.6	1.2	1.8	2.4	3.0
		kW	HP							
A	QDP-250C	0.25	0.34	H	5.5	4.9	4.2	3.5	2.7	1.9

NO.	MODEL	OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(mm)
A	QDP-250C	1"	3.8	200×195×305



QDP-A/B

Submersible pumps

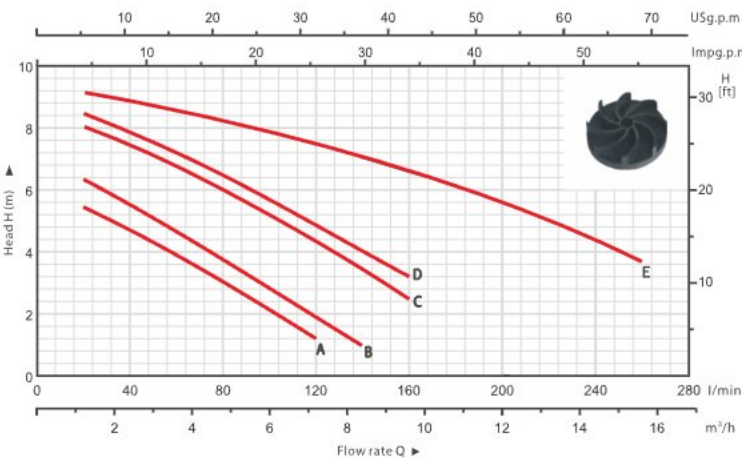


QDP-A



QDP-B

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	H															
		kW	HP		0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8	12	13.2	14.4	15.6		
A	QDP-250A/B	0.25	0.34		6	5.4	4.7	3.9	3	2.2	1.2									
B	QDP-400A/B	0.4	0.55		7	6.2	5.5	4.6	3.7	2.9	1.9	1								
C	QDP-550A/B	0.55	0.75		8.5	8	7.4	6.7	6	5.3	4.5	3.5	2.5							
D	QDP-750A/B	0.75	1		9	8.5	7.8	7.2	6.5	5.8	5	4	3.2							
E	QDP-1000A	1	1.3		9.5	9.1	8.8	8.5	8.2	7.9	7.5	7.1	6.6	6.1	5.5	4.9	4.3	3.7		

QDP-AW/BW

Submersible sewage pumps

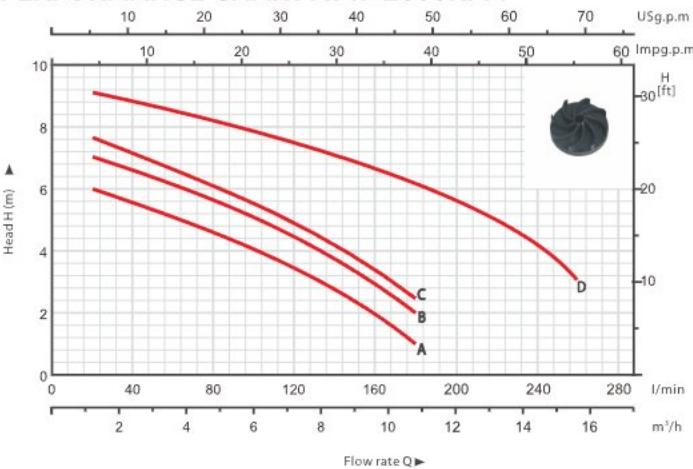


QDP-AW



QDP-BW

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	H															
		kW	HP		0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8	12	13.2	14.4	15.6		
A	QDP-400AW/BW	0.4	0.55		7	6	5.5	5	4.5	4	3.5	3	2	1						
B	QDP-550AW/BW	0.55	0.75		8	7	6.5	6	5.5	5	4.5	3.8	3	2						
C	QDP-750AW/BW	0.75	1		8.5	7.7	7	6.5	6	5.5	5	4.3	3.5	2.5						
D	QDP-1000AW	1	1.3		9.5	9.1	8.8	8.5	8.2	7.9	7.5	7.1	6.6	6.1	5.5	4.9	4.3	3.7		

QDP90-S

Submersible pumps



QDP90-S

Application

Suitable for use with clean water that does not contain abrasive particles.
As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as domestic, gardening, irrigation and emptying tanks.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP68**
- ※ Continuous service **S1**
- ※ Thermal protector
- ※ Single-phase 220V/50Hz, 60Hz if request

Operating conditions

- ※ **8 m** maximum immersion depth
- ※ Liquid temperature up to **35 °C**
- ※ Maximum ambient temperature **40 °C**

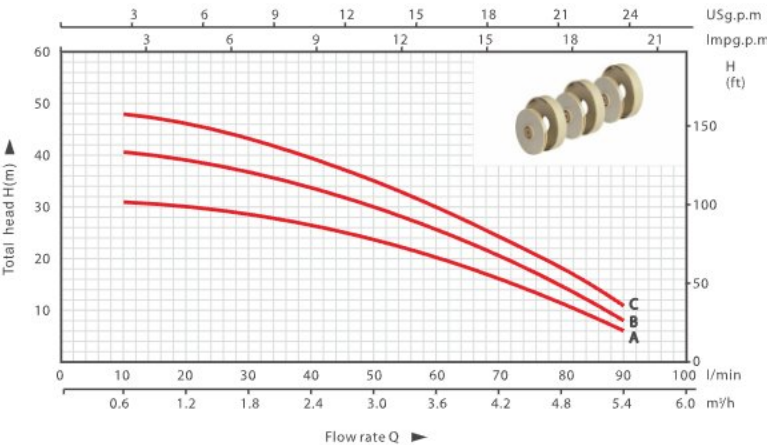
Component

- ※ **Pump body:** Techno-polymer & AISI304 SS
- ※ **Suction filter:** AISI304 SS
- ※ **Impeller:** Techno-polymer
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/ Graphite
- ※ **Cable:** 12 m power cable with plug

Construction

- Techno-polymer & AISI304 SS
- AISI304 SS
- Techno-polymer
- AISI304 SS
- Ceramic/ Graphite
- 12 m power cable with plug

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER(IN)	Q(m³/h)	Q(l/min)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4
		kW			0	10	20	30	40	50	60	70	80	90
A	QDP90-3S	0.8	H	32	31	29.5	28	26	23	20	16	11	6	
B	QDP90-4S	1		42	40.5	38.5	36.5	34	30.5	26	20	14	8	
C	QDP90-5S	1.2		50	48	46	43.5	40	35	30	24.5	18	11	

QDP145-S

Submersible pumps



QDP145-S

Application

Suitable for use with clean water that does not contain abrasive particles.
As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as domestic, gardening, irrigation and emptying tanks.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP68**
- ※ Continuous service **S1**
- ※ Thermal protector
- ※ Single-phase 220V/50Hz, 60Hz if request

Operating conditions

- ※ **8 m** maximum immersion depth
- ※ Liquid temperature up to **35 °C**
- ※ Maximum ambient temperature **40 °C**

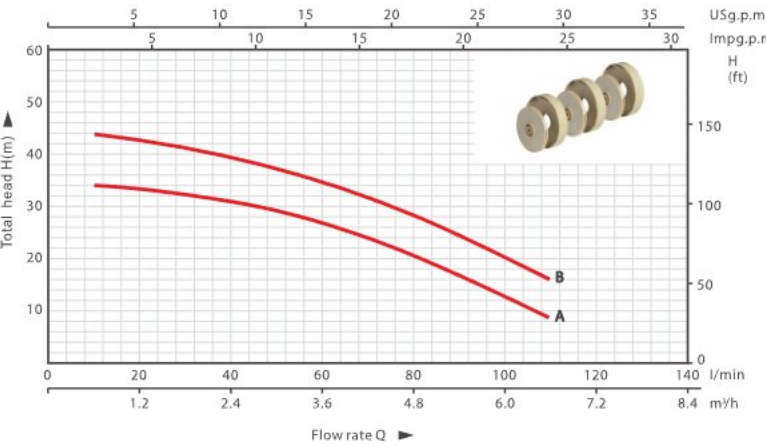
Component

- ※ **Pump body:** Techno-polymer & AISI304 SS
- ※ **Suction filter:** AISI304 SS
- ※ **Impeller:** Techno-polymer
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/ Graphite
- ※ **Cable:** 12 m power cable with plug

Construction

- Techno-polymer & AISI304 SS
- AISI304 SS
- Techno-polymer
- AISI304 SS
- Ceramic/ Graphite
- 12 m power cable with plug

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER(IN)	Q(m³/h)	Q(l/min)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6	6.6
		kW			0	10	20	30	40	50	60	70	80	90	100	110
A	QDP145-3S	1	H	35	34	33	32	31	29.5	27	24	21	17	13	9	
B	QDP145-4S	1.2		45	44	43	42	40	37.5	35	32	28	24	20	16	

QDP90-SE/SE-1

Automatic submersible pumps



Application

Suitable for use with clean water that does not contain abrasive particles.
As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as domestic, gardening, irrigation and emptying tanks.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP68**
- ※ Continuous service **S1**
- ※ Thermal protector
- ※ Single-phase 220V/50Hz, 60Hz if request

Operating conditions

- ※ **8 m** maximum immersion depth
- ※ Liquid temperature up to **35 °C**
- ※ Maximum ambient temperature **40 °C**

Component

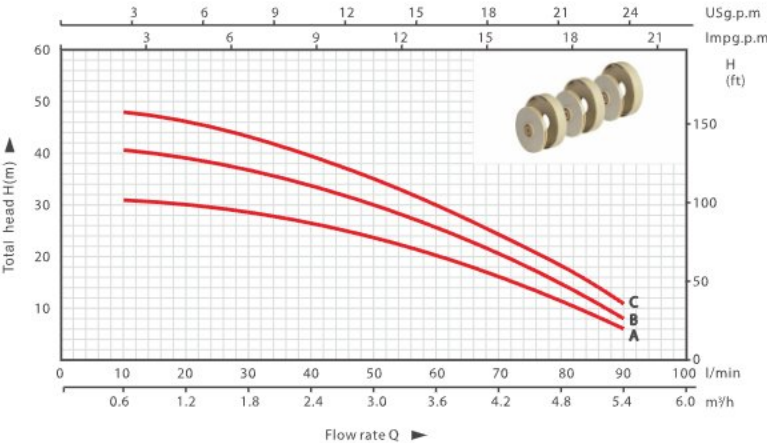
- ※ **Pump body:** Techno-polymer & AISI304 SS
- ※ **Suction filter:** AISI304 SS
- ※ **Impeller:** Techno-polymer
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/ Graphite
- ※ **Cable:** 12 m power cable with plug

Construction

- Techno-polymer & AISI304 SS
- AISI304 SS
- Techno-polymer
- AISI304 SS
- Ceramic/ Graphite
- 12 m power cable with plug



PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	QDP90-3SE/3SE-1	1"	9.5	295×200×570
B	QDP90-4SE/4SE-1	1"	10	295×200×590
C	QDP90-5SE/5SE-1	1"	10.4	295×200×610



NO.	MODEL	POWER(IN) kW	Q(m³/h) Q(l/min)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4
A	QDP90-3SE/3SE-1	0.8	H	32	31	29.5	28	26	23	20	16	11	6
B	QDP90-4SE/4SE-1	1	H	42	40.5	38.5	36.5	34	30.5	26	20	14	8
C	QDP90-5SE/5SE-1	1.2	H	50	48	46	43.5	40	35	30	24.5	18	11

QDP145-SE/SE-1

Automatic submersible pumps



Application

Suitable for use with clean water that does not contain abrasive particles.
As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as domestic, gardening, irrigation and emptying tanks.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP68**
- ※ Continuous service **S1**
- ※ Thermal protector
- ※ Single-phase 220V/50Hz, 60Hz if request

Operating conditions

- ※ **8 m** maximum immersion depth
- ※ Liquid temperature up to **35 °C**
- ※ Maximum ambient temperature **40 °C**

Component

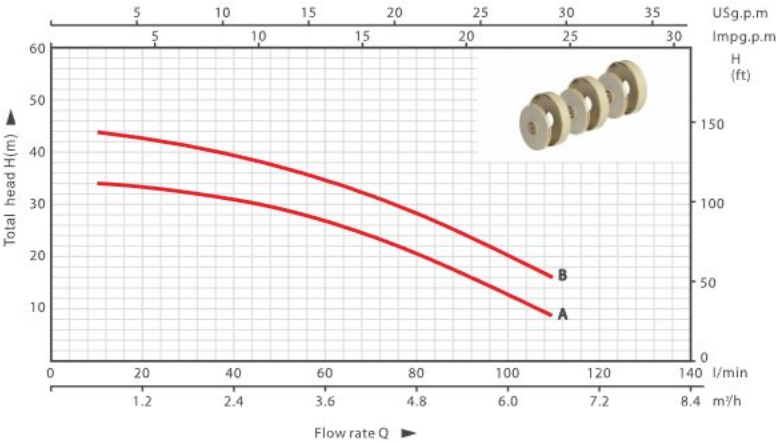
- ※ **Pump body:** Techno-polymer & AISI304 SS
- ※ **Suction filter:** AISI304 SS
- ※ **Impeller:** Techno-polymer
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/ Graphite
- ※ **Cable:** 12 m power cable with plug

Construction

- Techno-polymer & AISI304 SS
- AISI304 SS
- Techno-polymer
- AISI304 SS
- Ceramic/ Graphite
- 12 m power cable with plug



PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	OUTLET (Inch)	N.W (Kg)	L x W x H (mm)
A	QDP145-3SE/3SE-1	1"	9.8	295×200×570
B	QDP145-4SE/4SE-1	1"	10.2	295×200×590



NO.	MODEL	POWER(IN) kW	Q(m³/h) Q(l/min)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6	6.6
A	QDP145-3SE/3SE-1	1	H	35	34	33	32	31	29.5	27	24	21	17	13	9
B	QDP145-4SE/4SE-1	1.2	H	45	44	43	42	40	37.5	35	32	28	24	20	16

QDS90-S

Submersible pumps



QDS90-S

Application

Suitable for use with clean water that does not contain abrasive particles.
As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as domestic, gardening, irrigation and emptying tanks.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP68**
- ※ Continuous service **S1**
- ※ Thermal protector
- ※ Single-phase 220V/50Hz, 60Hz if request

Operating conditions

- ※ **8 m** maximum immersion depth
- ※ Liquid temperature up to **35 °C**
- ※ Maximum ambient temperature **40 °C**

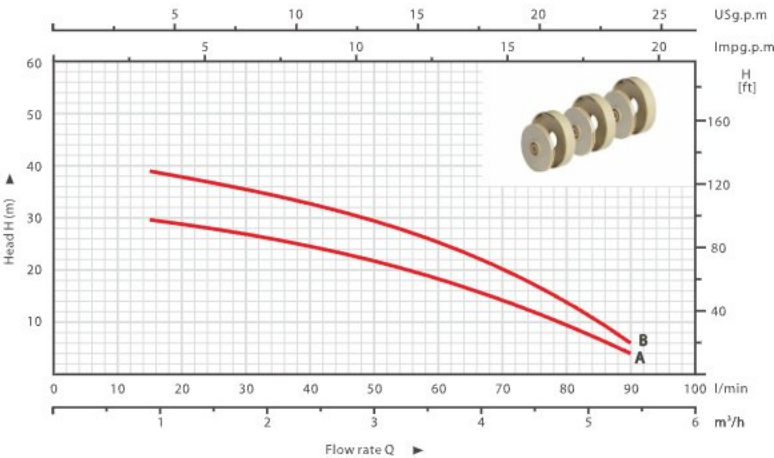
Component

- ※ **Suction filter:** AISI304 SS
- ※ **Impeller:** Techno-polymer, AISI304 SS if request
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/ Graphite
- ※ **Cable:** 12 m power cable with plug

Construction

- ※ **Suction filter:** AISI304 SS
- ※ **Impeller:** Techno-polymer, AISI304 SS if request
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/ Graphite
- ※ **Cable:** 12 m power cable with plug

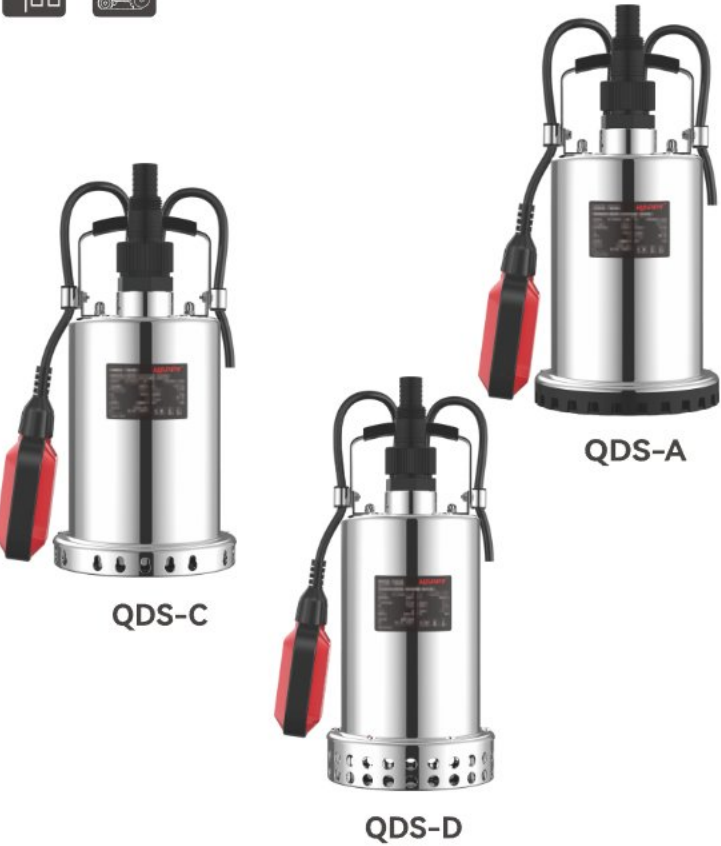
PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	Q(l/min)	0	0.9	1.8	2.7	3.6	4.5	5.4
		kW	HP			0	15	30	45	60	75	90
A	QDS90-3S	0.75	1	H	H	32	29.5	27.5	23.5	18	11.5	4
B	QDS90-4S	1.1	1.5			42.5	38.5	35	31	26	17.5	6

QDS-A/C/D

Submersible pumps



QDS-C

QDS-D

QDS-A

Application

Suitable for use with clean water that does not contain abrasive particles.
As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as domestic, gardening, irrigation and emptying tanks.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP68**
- ※ Continuous service **S1**
- ※ Thermal protector
- ※ Single-phase 220V/50Hz, 60Hz if request

Operating conditions

- ※ **5 m** maximum immersion depth
- ※ Liquid temperature up to **35 °C**
- ※ Maximum ambient temperature **40 °C**

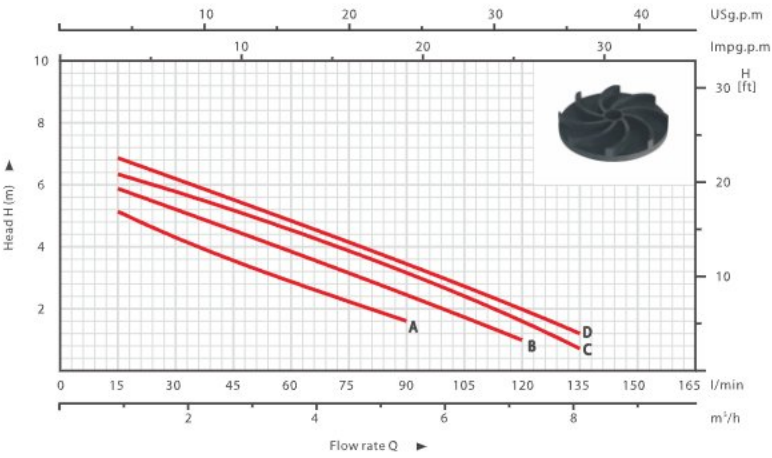
Component

- ※ **Pump body:** AISI304 SS
- ※ **Suction filter:** Techno-polymer for QDS-A, AISI304 SS for QDS-C/D
- ※ **Impeller:** Techno-polymer
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/Graphite
- ※ **Cable:** 6 m power cable with plug

Construction

- ※ **Pump body:** AISI304 SS
- ※ **Suction filter:** Techno-polymer for QDS-A, AISI304 SS for QDS-C/D
- ※ **Impeller:** Techno-polymer
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/Graphite
- ※ **Cable:** 6 m power cable with plug

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	Q(l/min)	0	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.2	8.1
		kW	HP			0	15	30	45	60	75	90	105	120	135
A	QDS-250A/C/D	0.25	0.34	H	H	6	5	4.2	3.5	3	2.2	1.6			
B	QDS-370A/C/D	0.37	0.5			6.5	5.9	5.2	4.6	3.9	3.1	2.5	1.7	1	
C	QDS-550A/C/D	0.55	0.75			7	6.3	5.7	5.1	4.5	3.9	3.2	2.5	1.7	0.7
D	QDS-750A/C/D	0.75	1			7.5	6.6	6	5.5	4.8	4.2	3.5	2.8	2	1.2

QDS-CW/DW

Submersible sewage pumps

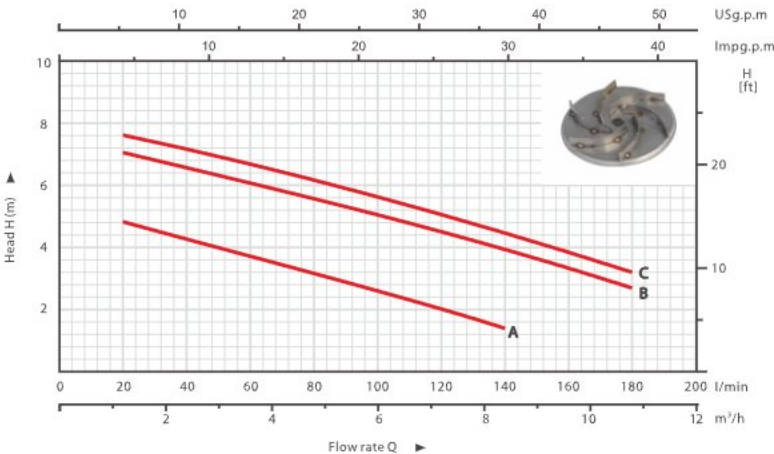


QDS-CW



QDS-DW

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8
		kW	HP											
A	QDS-370CW/DW	0.37	0.5	H	5.5	4.8	4.3	3.7	3.2	2.6	1.9	1.4		
B	QDS-550CW/DW	0.55	0.75		7.5	7.1	6.6	6.2	5.7	5.1	4.5	3.9	3.2	2.7
C	QDS-750CW/DW	0.75	1		8	7.6	7.2	6.7	6.2	5.7	5.1	4.5	3.9	3.2

Application

Suitable for use with dirty water that is not chemically aggressive towards the materials from which the pump is made.

As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as clearing dirty water, discharging domestic waste water, and for emptying collection traps containing suspended solids up to a maximum of Ø8mm

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP68**
- ※ Continuous service **S1**
- ※ Thermal protector
- ※ Single-phase 220V/50Hz, 60Hz if requested

Operating conditions

- ※ **5 m** maximum immersion depth
- ※ Liquid temperature up to **35 °C**
- ※ Maximum ambient temperature **40 °C**

Component

- ※ **Pump body:** AISI304 SS
- ※ **Suction filter:** AISI304 SS
- ※ **Impeller:** AISI304 SS
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/Graphite
- ※ **Cable:** 6 m power cable with plug

Construction



Submersible sewage pumps



QDX-A

Submersible pumps



QDX-A

Application

Suitable for use in civil and agricultural applications. The high efficiency and continuous duty capabilities make these pumps ideal for use in activities such as flood and spray irrigation, gardening, agriculture, drawing water from lakes, rivers and wells, or for any number of different industrial applications where the characteristics of high head and mid flow rates are required.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP68**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ **8 m** maximum immersion depth
- ※ Liquid temperature up to **35 °C**
- ※ Maximum ambient temperature **40 °C**

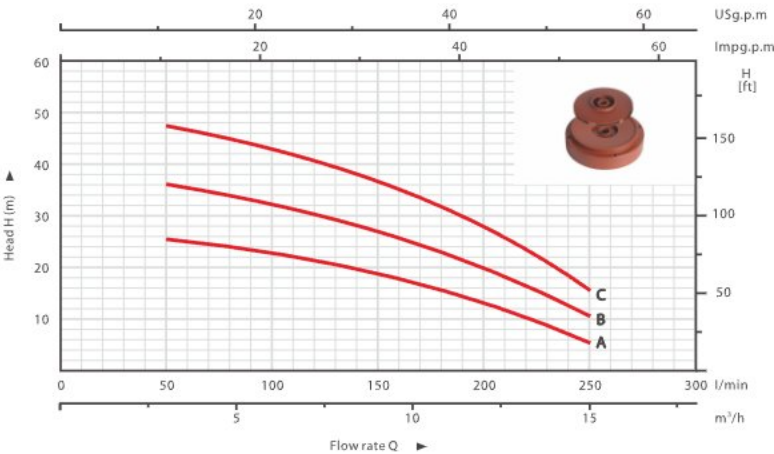
Component

- ※ **Pump body:** Cast iron
- ※ **Motor housing:** AISI201 SS
- ※ **Impeller:** Cast iron
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** SIC/SIC
- ※ **Cable:** 12 m power cable with plug

Construction

- ※ **Pump body:** Cast iron
- ※ **Motor housing:** AISI201 SS
- ※ **Impeller:** Cast iron
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** SIC/SIC
- ※ **Cable:** 12 m power cable with plug

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h) Q(l/min)	0	3	6	9	12	15
		kW	HP		0	50	100	150	200	250
A	QDX6-28/2-1.1A	1.1	1.5	H	27	24.5	23	20	13.5	5.5
B	QDX6-39/3-1.5A	1.5	2		39	36	33	28	20.5	10.5
C	QDX6-50/4-2.2A	2.2	3		50.5	46.5	42.5	37	28	15.5

QDX-B

Submersible pumps



QDX6-32-1.5B



QDX6-50/4-2.2B

Application

Suitable for use in civil and agricultural applications. The high efficiency and continuous duty capabilities make these pumps ideal for use in activities such as flood and spray irrigation, gardening, agriculture, drawing water from lakes, rivers and wells, or for any number of different industrial applications where the characteristics of high head and mid flow rates are required.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP68**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ **8 m** maximum immersion depth
- ※ Liquid temperature up to **35 °C**
- ※ Maximum ambient temperature **40 °C**

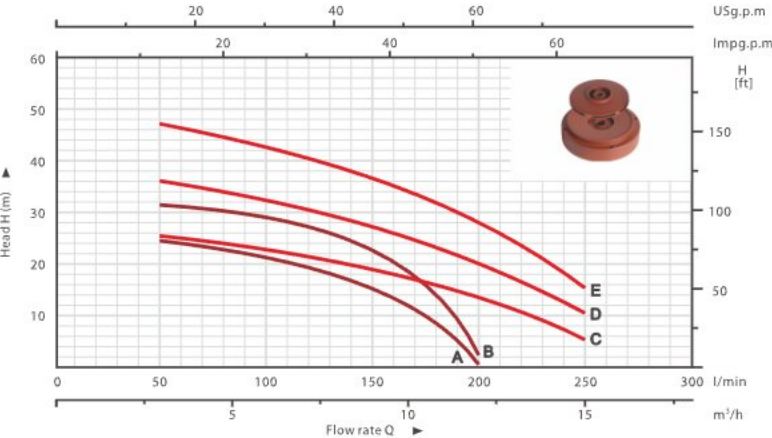
Component

- ※ **Pump body:** Cast iron
- ※ **Motor housing:** AISI201 SS
- ※ **Impeller:** Cast iron
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/Graphite
- ※ **Cable:** 12 m power cable with plug

Construction

- ※ **Pump body:** Cast iron
- ※ **Motor housing:** AISI201 SS
- ※ **Impeller:** Cast iron
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/Graphite
- ※ **Cable:** 12 m power cable with plug

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h) Q(l/min)	0	3	6	9	12	15
		kW	HP		0	50	100	150	200	250
A	QDX8-22-1.1B	1.1	1.5	H	27	26	23	17.5	0.5	
B	QDX6-32-1.5B	1.5	2		32.5	31.5	30	24.5	2.5	
C	QDX6-28/2-1.1B	1.1	1.5		27	24.5	23	20	13.5	5.5
D	QDX6-39/3-1.5B	1.5	2		39	36	33	28	20.5	10.5
E	QDX6-50/4-2.2B	2.2	3		50.5	46.5	43	37	28	15.5

NO.	MODEL	OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(mm)
A	QDX8-22-1.1B	1 1/4"	21	300×235×505
B	QDX6-32-1.5B	1 1/4"	23	300×235×535
C	QDX6-28/2-1.1B	2"	22	260×185×535
D	QDX6-39/3-1.5B	2"	26.3	260×185×595
E	QDX6-50/4-2.2B	2"	30.5	260×185×655



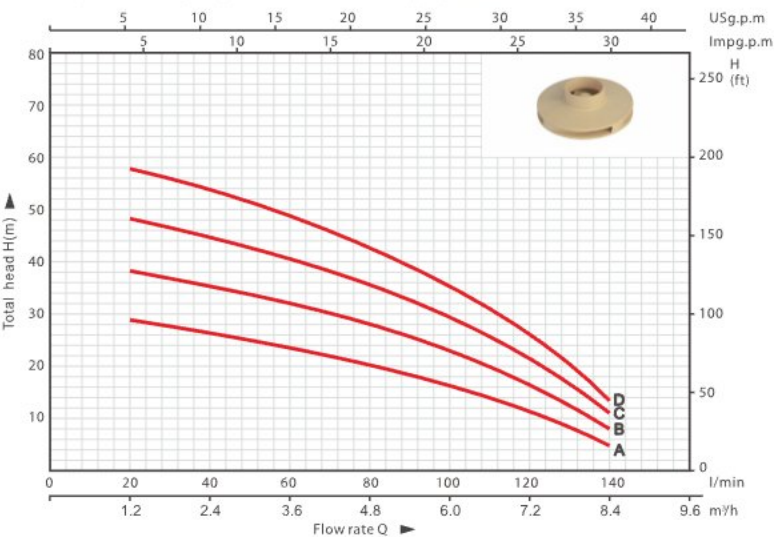
QDX145-SV

Submersible pumps



QDX145-SV

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	1.2	2.4	3.6	4.8	6	7.2	8.4
		kW	HP									
A	QDX145-3SV	0.75	1	H	31	28	26	23.5	20.5	17	11.5	5
B	QDX145-4SV	1.1	1.5		41	38	35.5	32	29	24	16.5	8
C	QDX145-5SV	1.5	2		51.5	48.5	45.5	41	36	30	21.5	11
D	QDX145-6SV	2.2	3		60.5	58	53.5	48	42	35.5	27	13.5

Application

Suitable for use in civil and agricultural applications. The high efficiency and continuous duty capabilities make these pumps ideal for use in activities such as flood and spray irrigation, gardening, agriculture, drawing water from lakes, rivers and wells, or for any number of different industrial applications where the characteristics of high head and mid flow rates are required.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP68**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ **8 m** maximum immersion depth
- ※ Liquid temperature up to **35 °C**
- ※ Maximum ambient temperature **40 °C**

Component

- ※ **Pump body:** Cast iron
- ※ **Motor housing:** AISI201 SS
- ※ **Impeller:** Techno-polymer
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Ceramic/Graphite
- ※ **Cable:** 12 m power cable with plug

Construction

- Cast iron
- AISI201 SS
- Techno-polymer
- AISI304 SS
- Ceramic/Graphite
- 12 m power cable with plug



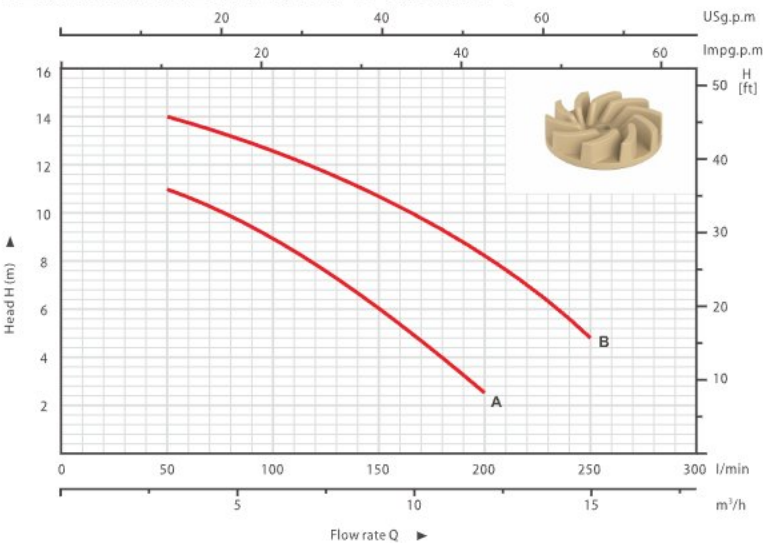
HDB

Submersible pumps



HDB480/800

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	3	6	9	12	15
		kW	HP							
A	HDB480	0.48	0.65	H	12	11	9	6	2.4	
B	HDB800	0.8	1.1		15	14	12.7	11	8.2	4.7

Application

Suitable for use with dirty water that is not chemically aggressive towards the materials from which the pump is made. As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as clearing dirty water, discharging domestic waste water.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP68**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request

Operating conditions

- ※ **5 m** maximum immersion depth
- ※ Liquid temperature up to **35 °C**
- ※ Maximum ambient temperature **40 °C**

Component

- ※ **Diffuser:** Rubber
- ※ **Motor housing:** AISI201 SS
- ※ **Impeller:** Techno-polymer
- ※ **Motor shaft:** Carbon steel, AISI 304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite
- ※ **Cable:** 6 m power cable with plug

Construction

- Rubber
- AISI201 SS
- Techno-polymer
- Carbon steel, AISI 304 SS if request
- Ceramic/Graphite
- 6 m power cable with plug



QDX-FA-3

Submersible pumps



Application

Suitable for use with clean water that does not contain abrasive particles.
As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as domestic, gardening, irrigation and emptying tanks.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP68**
- ※ Continuous service **S1**
- ※ Thermal protector
- ※ Single-phase 220V/50Hz, 60Hz if request

Operating conditions

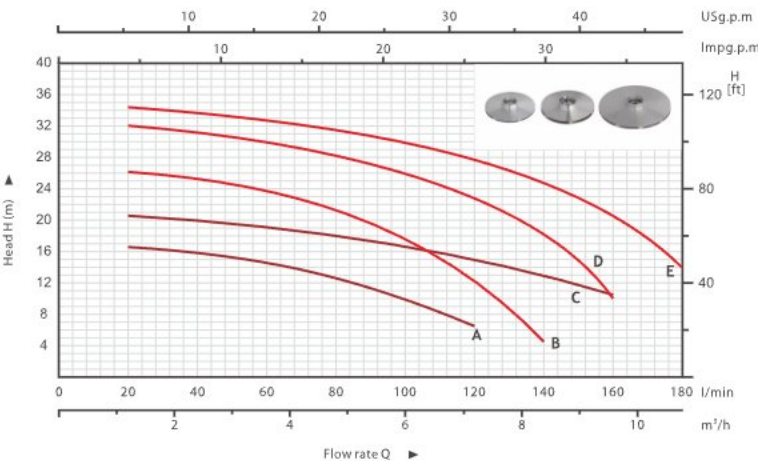
- ※ **5 m** maximum immersion depth
- ※ Liquid temperature up to **35 °C**
- ※ Maximum ambient temperature **40 °C**

Component

- ※ **Pump body:** Cast iron
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Aluminum
- ※ **Motor shaft:** Carbon steel, AISI304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite
- ※ **Cable:** 8 m power cable with plug

Construction

PERFORMANCE CHART AT n=2850RPM



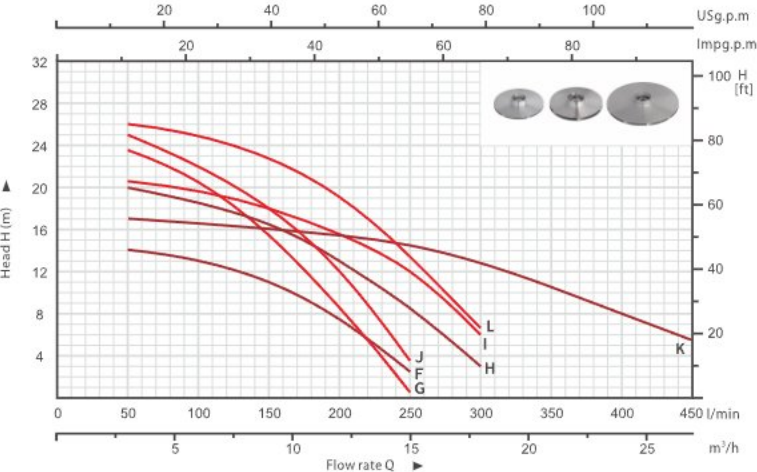
NO.	MODEL	POWER		Q(m³/h)	Flow rate Q (m³/h)									
		kW	HP		0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8
A	QDX1.5-16-0.37FA-3	0.37	0.5	H	17	16.5	16	14.5	12.5	10	6.5			
B	QDX1.5-25-0.55FA-3	0.55	0.75		26.5	25.5	24	23	21.5	17	12	4.5		
C	QDX3-20-0.55FA-3	0.55	0.75		21	20.5	20	19	18	16.5	15	13	10.5	
D	QDX1.5-32-0.75FA-3	0.75	1		32.5	32	31	30	28.5	25.5	22.5	18	10	
E	QDX1.5-38-1.1FA-3	1.1	1.5		35	34.5	34	33	31.5	30	27.5	24	20	14



QDX-FA-3

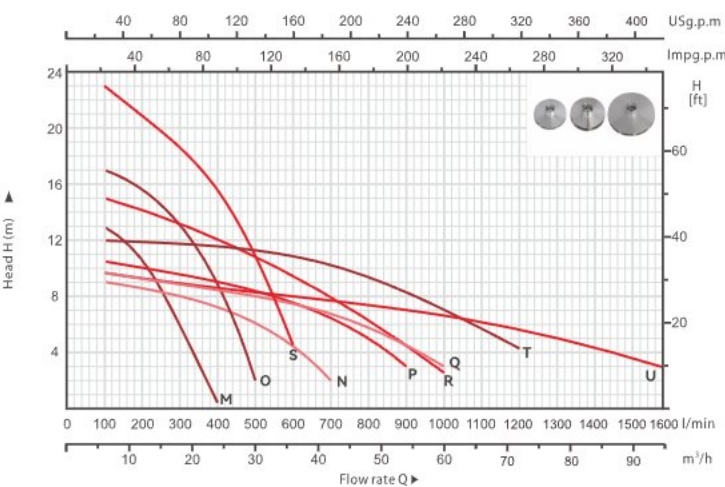
Submersible pumps

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	Flow rate Q (m³/h)											
		kW	HP		0	3.0	6.0	9.0	12.0	15.0	18.0	21.0	24.0	27.0		
F	QDX10-10-0.55FA-3	0.55	0.75	H	15.5	14	13	11	7.5	2.5						
G	QDX6-26-0.75FA-3	0.75	1		26	23.5	20.5	15.5	8.5	0.5						
H	QDX7-18-0.75FA-3	0.75	1		21	20	18.5	16.5	13	8.5	3					
I	QDX10-16-0.75FA-3	0.75	1		21	20.5	19.5	18	15.5	12	6					
J	QDX8-26-1.1FA-3	1.1	1.5		27	25	22	18	11	3.5						
K	QDX10-18-1.1FA-3	1.1	1.5		17.5	17	16.5	16	15.5	14.5	12.8	10.5	8	5.5		
L	QDX10-26-1.5FA-3	1.5	2		27	26	24.8	22.9	19.2	13.2	6.7					

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	Flow rate Q (m³/h)																			
		kW	HP		0	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96			
M	QDX15-10-0.75FA-3	0.75	1	H	14	13	11	6	0.5															
N	QDX30-6-0.75FA-3	0.75	1		9.5	9	8.5	8	7	6	4.5	2												
O	QDX15-15-1.1FA-3	1.1	1.5		17.5	17	16	13	8.5	2														
P	QDX40-7-1.1FA-3	1.1	1.5		11	10.5	10	9.5	9	8.5	7.5	6.5	5	3										
Q	QDX50-6-1.5FA-3	1.5	2		10.5	9.8	9.2	8.7	8.4	8	7.3	6.4	5.7	4.5	3									
R	QDX40-12-1.5FA-3	1.5	2		15.5	15	14.1	13.2	12.4	11	9.5	8	6.3	4.7	2.5									
S	QDX20-23-2.2FA-3	2.2	3		23.5	23	21.7	19.2	15.8	11.2	4.5													
T	QDX65-8-2.2FA-3	2.2	3		12.3	12	11.9	11.7	11.6	11.4	10.9	10.3	9.5	8.4	7	5.7	4.2							
U	QDX100-4-2.2FA-3	2.2	3		10.5	9.8	9	8.5	8.3	8	7.9	7.8	7.7	7.5	7	6.5	6	5.3	4.5	3.8	3			



QKm370-A

Submersible pumps



QKm370-A

Application

Suitable for use with clean water that does not contain abrasive particles.
As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as domestic, gardening, irrigation and emptying tanks.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP68**
- ※ Continuous service **S1**
- ※ Thermal protector
- ※ Single-phase 220V/50Hz, 60Hz if request

Operating conditions

- ※ **5 m** maximum immersion depth
- ※ Liquid temperature up to **35 °C**
- ※ Maximum ambient temperature **40 °C**

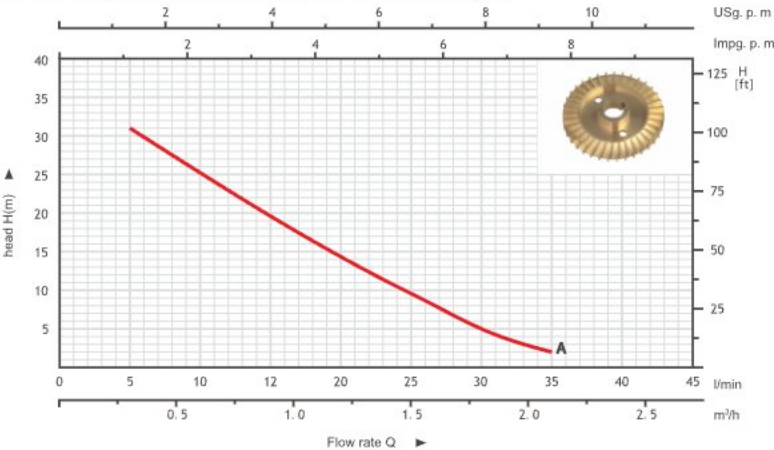
Component

- ※ **Pump body:** Cast iron
- ※ **Motor housing:** AISI201 SS
- ※ **Impeller:** Brass
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** SiC-SiC/Ceramic-Graphite
- ※ **Cable:** 6 m power cable with plug

Construction

- Cast iron
- AISI201 SS
- Brass
- AISI304 SS
- SiC-SiC/Ceramic-Graphite
- 6 m power cable with plug

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1
		kW	HP									
A	QKm370-A	0.37	0.5	H	38	31	25	19.5	14.5	9.5	5	2

WQD-B

Submersible sewage pumps



WQD250/370-B

WQD550~2200-B

Application

Suitable for use with dirty water that is not chemically aggressive towards the materials from which the pump is made.
As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as clearing dirty water, discharging domestic waste water, and for emptying collection traps containing partial up to a maximum of Ø10mm.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP68**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ **5 m** maximum immersion depth
- ※ Liquid temperature up to **35 °C**
- ※ Maximum ambient temperature **40 °C**

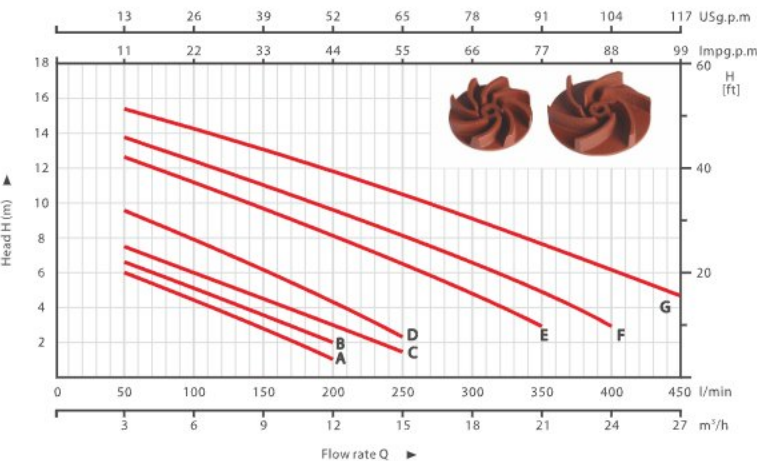
Component

- ※ **Pump body:** Cast iron
- ※ **Motor housing:** AISI201 SS
- ※ **Impeller:** Cast iron
- ※ **Motor shaft:** Carbon steel, AISI 304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite
- ※ **Cable:** 6 m power cable with plug

Construction

- Cast iron
- AISI201 SS
- Cast iron
- Carbon steel, AISI 304 SS if request
- Ceramic/Graphite
- 6 m power cable with plug

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	OUTLET	N.W	L x W x H
		(Inch)		
A	WQD250-B	1 1/4"	7.5	233×188×455
B	WQD370-B	1 1/2"	8.5	233×188×455
C	WQD550-B	2"	13	257×225×448
D	WQD750-B	2"	14	257×225×495
E	WQD1100-B	2"	16	257×225×512
F	WQD1500-B	2"	19	257×225×525
G	WQD2200-B	2"	21	257×225×538

NO.	MODEL	POWER		Q(m³/h)	0	3	6	9	12	15	18	21	24	27	30
		kW	HP												
A	WQD250-B	0.25	0.34	H	7.5	6	4.5	3	1						
B	WQD370-B	0.37	0.5		8	6.5	5	3.5	2						
C	WQD550-B	0.55	0.75		9	7.7	6	4.4	3	1.5					
D	WQD750-B	0.75	1		11	9.5	7.5	6	4.5	2.5					
E	WQD1100-B	1.1	1.5		14	12.5	11	9.5	8	6.5	5	3			
F	WQD1500-B	1.5	2		15	13.5	12	10.5	9.5	8	6.5	5	3		
G	WQD2200-B	2.2	3		16.5	15.5	14.5	13.5	12.5	11.5	10	8.5	6.5	4.5	

WQD-D

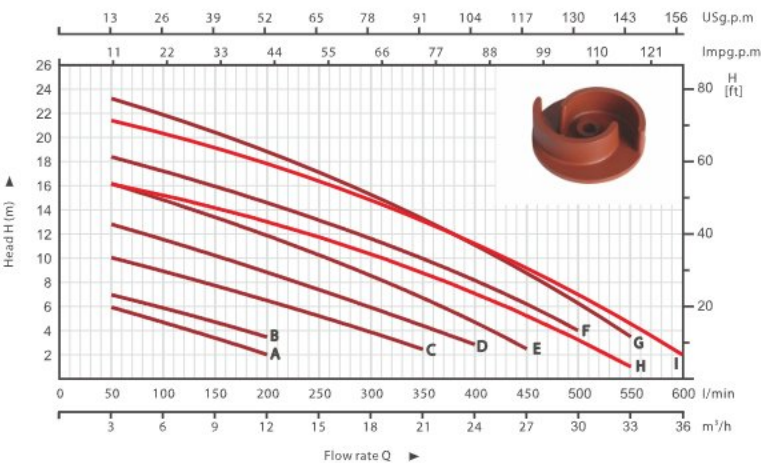
Submersible sewage pumps



WQD250/370-D

WQD550~2200-D

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	Q(l/min)													
		kW	HP		0	3	6	9	12	15	18	21	24	27	30	33	36	
A	WQD250-D	0.25	0.34	H	7	6	5	3.7	2									
B	WQD370-D	0.37	0.5		8	7	6	4.8	3.5									
C	WQD550-D	0.55	0.75		11	10	9	7.7	6.5	5.2	4	2.5						
D	WQD750-D	0.75	1		14	13	12	11	9.5	8	6	4.5	2.8					
E	WQD1100-D	1.1	1.5		17.5	16	15	13.5	12	10.5	9	7	5	2.5				
F	WQD1500-D	1.5	2		19.5	18.8	17.8	16.5	15.5	14	12.5	10.5	8.5	6.5	4			
G	WQD2200-D	2.2	3		24.5	23	21.5	20	18.5	17	15.5	13.5	11.5	9	6.5	3.5		
H	WQD1500-D(3")	1.5	2		17	16	15	14	13	11.8	10.5	9	7	5	3	1		
I	WQD2200-D(3")	2.2	3		23	21.5	20	18.5	17.5	16	15	14	12.5	11	8.5	5.5	2	

Application

Suitable for use with dirty water that is not chemically aggressive towards the materials from which the pump is made. As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as clearing dirty water, discharging domestic waste water, and for emptying collection traps containing partial up to a maximum of Ø10mm.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP68**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ **5 m** maximum immersion depth
- ※ Liquid temperature up to **35 °C**
- ※ Maximum ambient temperature **40 °C**

Component

- ※ **Pump body:** Cast iron
- ※ **Motor housing:** AISI304 SS(0.25~0.37kW)
AISI201 SS(0.55~2.2kW)
- ※ **Impeller:** Cast iron
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** SIC/SIC
- ※ **Cable:** 6 m power cable with plug

NO.	MODEL	OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(mm)
A	WQD250-D	1 1/4"	8	205×155×400
B	WQD370-D	1 1/2"	9	205×155×420
C	WQD550-D	2"	14.5	265×188×467
D	WQD750-D	2"	15.3	265×188×477
E	WQD1100-D	2"	17	265×188×483
F	WQD1500-D	2"	21	285×203×515
G	WQD2200-D	2"	22	285×203×542
H	WQD1500-D(3")	3"	21.5	290×195×530
I	WQD2200-D(3")	3"	23	290×195×555

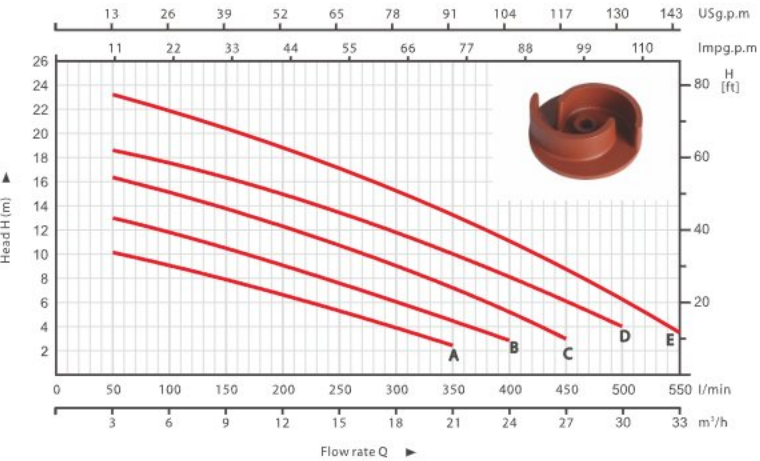
WQD-S

Submersible sewage pumps



WQD-S

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	Q(l/min)													
		kW	HP		0	3	6	9	12	15	18	21	24	27	30	33		
A	WQD550-S	0.55	0.75	H	11	10	9	7.7	6.8	5	4	2.5						
B	WQD750-S	0.75	1		14	13	12	10.8	9.5	8	6	4.5	2.5					
C	WQD1100-S	1.1	1.5		17.5	16	15	13.7	12	10.5	9	7	5	3				
D	WQD1500-S	1.5	2		19.5	19	18	16.5	15.5	14	12.5	10.7	8.5	6.5	4			
E	WQD2200-S	2.2	3		24.5	23	21.5	20	18.5	17	15.5	13.5	11.5	9	6.5	3.5		

Application

Suitable for use with dirty water that is not chemically aggressive towards the materials from which the pump is made. As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as clearing dirty water, discharging domestic waste water, and for emptying collection traps containing partial up to a maximum of Ø10mm.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP68**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ **5 m** maximum immersion depth
- ※ Liquid temperature up to **35 °C**
- ※ Maximum ambient temperature **40 °C**

Component

- ※ **Pump body:** Cast iron
- ※ **Motor housing:** AISI201 SS
- ※ **Impeller:** Cast iron
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** SIC/SIC
- ※ **Cable:** 6 m power cable with plug

NO.	MODEL	OUTLET	N.W	L x W x H
		(Inch)	(Kg)	(mm)
A	WQD550-S	2"	14.8	270×193×475
B	WQD750-S	2"	15.6	270×193×485
C	WQD1100-S	2"	17.3	270×193×495
D	WQD1500-S	2"	21.3	283×207×525
E	WQD2200-S	2"	22.3	283×207×550



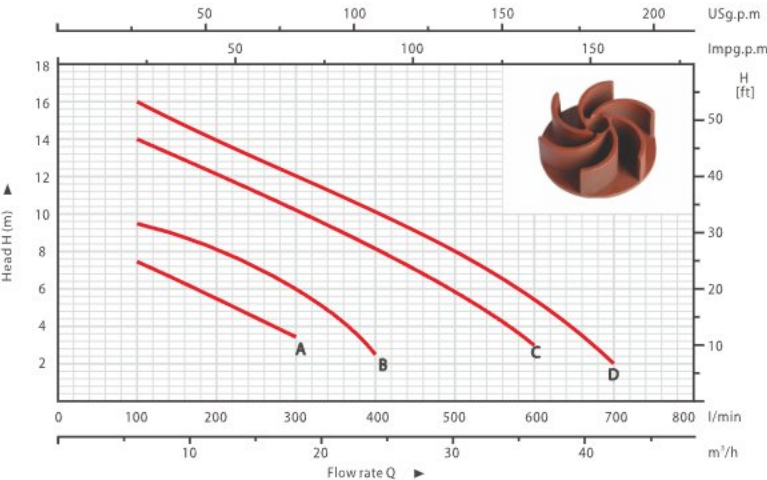
H800F-B~H2250F-B

Submersible sewage pumps



H800F-B~H2250F-B

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	6	12	18	24	30	36	42
		kW	HP									
A	H800F-B	0.8	1.1	H	9	7.5	5.5	3.5				
B	H1100F-B	1.1	1.5		11	9.5	8	6	2.5			
C	H1600F-B	1.5	2		15	14	12	10	8	6	3	
D	H2250F-B	2.2	3		17.5	16	14	12	10	8	5.5	2



Application

Suitable for use with dirty water that is not chemically aggressive towards the materials from which the pump is made. As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as clearing dirty water, discharging domestic waste water, and for emptying collection traps containing partial up to a maximum of $\Phi 30\text{mm}$.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP68**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ **5 m** maximum immersion depth
- ※ Liquid temperature up to **35 °C**
- ※ Maximum ambient temperature **40 °C**

Component

- ※ **Pump body:** Cast iron
- ※ **Motor housing:** AISI201 SS
- ※ **Impeller:** Cast iron
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** SIC/SIC
- ※ **Cable:** 8 m power cable with plug

Construction



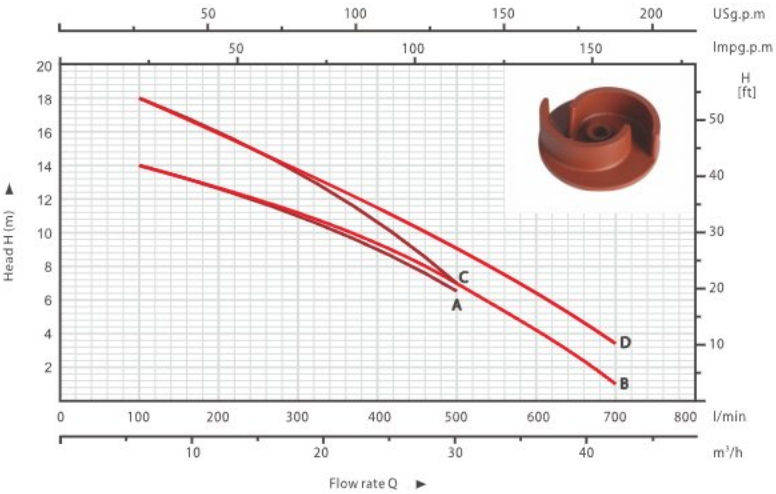
V1500F~V2200F

Submersible sewage pumps



V1500F~V2200F

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	6	12	18	24	30	36	42
		kW	HP									
A	V1500F	1.5	2	H	15.5	14	12.5	11	9	6.5		
B	V1500F	1.5	2		15.5	14	12.5	11	9.5	7	4.5	1
C	V2200F	2.2	3		18	16.5	15	13.5	10.5	6.5		
D	V2200F	2.2	3		18	16.5	15	13.5	11	8.8	6.5	3.5



Application

Suitable for use with dirty water that is not chemically aggressive towards the materials from which the pump is made. As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as clearing dirty water, discharging domestic waste water, and for emptying collection traps containing partial up to a maximum of $\Phi 15\text{mm}$.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP68**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ **5 m** maximum immersion depth
- ※ Liquid temperature up to **35 °C**
- ※ Maximum ambient temperature **40 °C**

Component

- ※ **Pump body:** Cast iron
- ※ **Motor housing:** AISI201 SS
- ※ **Impeller:** Cast iron
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** SIC/SIC
- ※ **Cable:** 8 m power cable with plug

Construction

NO.	MODEL	OUTLET	PARTICAL	N.W	L x W x H	
		(Inch)	(Φmm)	(Kg)	(mm)	
A	V1500F	2"	15	25	333×225×525	
B		2½"/3"				
C	V2200F	2"	15	28	345×245×548	
D		2½"/3"				



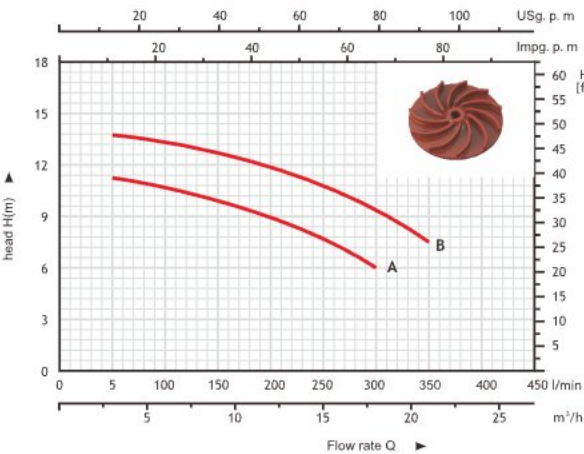
HW20L

Submersible sewage pumps



HW20L

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h) Q(l/min)	0	3	6	9	12	15	18	21
		kW	HP		0	50	100	150	200	250	300	350
A	HW20L750	0.75	1	H	12.5	11.5	10.8	9.8	9	8	6	
B	HW20L1100	1.1	1.5		15	13.8	13	12.5	11.8	11	9.5	7.5

Application

The HW20L series is a miniature lifting device.
Mainly used under municipal sewage pipelines
Underground or on the same floor without sewage
pipes. Suitable for rear seat toilets, rain rooms
The domestic sewage generated by washbasins, bar
sinks, etc.is discharged.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP68** (Excluding control box)

Operating conditions

- ※ Liquid temperature up to **35 °C**
- ※ Maximum ambient temperature **40 °C**
- ※ Motor operation mode S3-50%

Component

- ※ **Pump body:**
- ※ **Motor housing:**
- ※ **Impeller:**
- ※ **Motor shaft:**
- ※ **Mechanical seal**

Construction

Techno-polymer
AISI 201 SS
Cast iron
AISI 304 SS
SIC/SIC



HVT-D/F

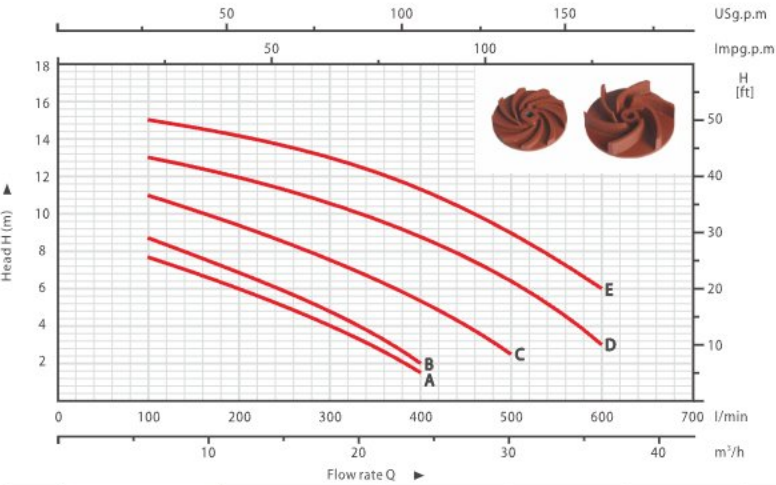
Submersible sewage pumps



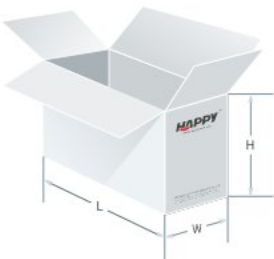
HVT-F

HVT-D

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h) Q(l/min)							
		kW	HP		0	6	12	18	24	30	36
A	HVT-550D/F	0.55	0.75	H	9.5	7.7	6	4	1.5		
B	HVT-750D/F	0.75	1		10.5	8.7	6.8	4.8	2		
C	HVT-1100D/F	1.1	1.5		13	11	9.5	7.5	5.5	2.5	
D	HVT-1500D/F	1.5	2		15	13	12	10.5	8.5	6.5	3
E	HVT-2200D/F	2.2	3		17	15	14	13	11.5	9	6



Application

Suitable for use with dirty water that is not chemically
aggressive towards the materials from which the pump is made.
As a result of their reliability and the fact that they are easy to
use, and suitable for use in applications such as clearing dirty
water, discharging domestic waste water, and for emptying
collection traps containing partial up to a maximum of Ø35mm.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP68**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ **5 m** maximum immersion depth
- ※ Liquid temperature up to **35 °C**
- ※ Maximum ambient temperature **40 °C**

Component

- ※ **Pump body:**
- ※ **Motor housing:**
- ※ **Impeller:**
- ※ **Motor shaft:**
- ※ **Mechanical seal:**
- ※ **Cable:**

Construction

Cast iron
AISI201 SS
Cast iron
AISI304 SS
SIC/SIC
6 m power cable with plug

NO.	MODEL	OUTLET (Inch)	PARTICAL (Φmm)	N.W (Kg)	L x W x H (mm)
A	HVT-550D/F	2"	35	16.5	285×198×470
B	HVT-750D/F	2"	35	17.5	285×198×485
C	HVT-1100D/F	2"	35	19.5	285×198×500
D	HVT-1500D/F	2"	35	21.5	285×198×520
E	HVT-2200D/F	2"	35	22.5	285×198×538

HVT-C5

Submersible sewage pumps



HVT-C5



Application

Suitable for use with dirty water that is not chemically aggressive towards the materials from which the pump is made. As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as clearing dirty water, discharging domestic waste water, and for emptying collection traps containing partial up to a maximum of $\Phi 35\text{mm}$.

Motor

- ※ Two-pole induction motor($n=2850\text{ r.p.m}$)
- ※ Insulation **Class B**
- ※ Protection **IP68**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ **5 m** maximum immersion depth
- ※ Liquid temperature up to **35 °C**
- ※ Maximum ambient temperature **40 °C**

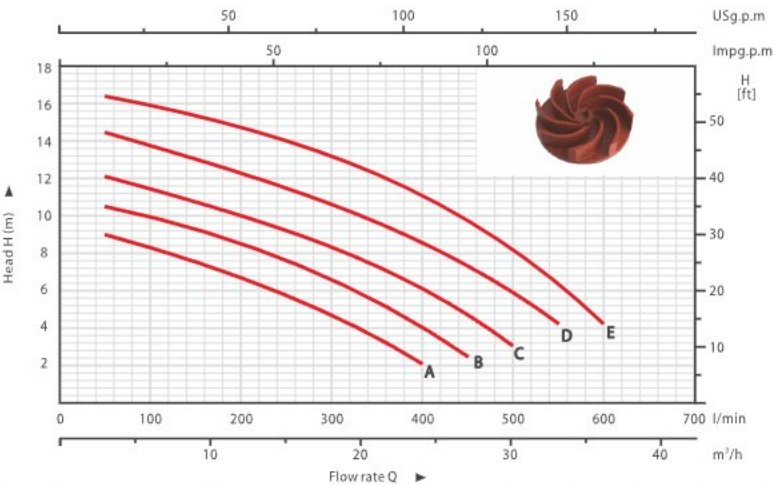
Component

- ※ **Pump body:** Cast iron
- ※ **Motor housing:** AISI201 SS
- ※ **Impeller:** Ductile Iron
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** SIC/SIC
- ※ **Cable:** 6 m power cable with plug

Construction

- Cast iron
- AISI201 SS
- Ductile Iron
- AISI304 SS
- SIC/SIC
- 6 m power cable with plug

PERFORMANCE CHART AT $n=2850\text{RPM}$



NO.	MODEL	POWER		Q(m³/h)	Q(l/min)													
		kW	HP		0	3	6	9	12	15	18	21	24	27	30	33	36	600
A	HVT-550C5	0.55	0.75	H	9.5	8.9	8.3	7.5	6.7	5.7	4.7	3.4	2.1					
B	HVT-750C5	0.75	1		10.8	10.5	9.9	9.1	8.5	7.6	6.7	5.5	4.2	2.5				
C	HVT-1100C5	1.1	1.5		12.7	12.1	11.4	10.7	10	9.2	8.3	7.2	6	4.8	3.1			
D	HVT-1500C5	1.5	2		15	14.5	13.8	13	12.3	11.4	10.6	9.8	8.6	7.2	5.7	4.2		
E	HVT-2200C5	2.2	3		17	16.4	15.9	15.2	14.5	13.8	12.9	12.2	11.2	9.9	8.2	6.4	4.2	



VTX-F

Submersible sewage pumps



VTX-F



Application

Suitable for use with dirty water that is not chemically aggressive towards the materials from which the pump is made. As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as clearing dirty water, discharging domestic waste water, and for emptying collection traps containing partial up to a maximum of $\Phi 35\text{mm}$.

Motor

- ※ Two-pole induction motor($n=2850\text{ r.p.m}$)
- ※ Insulation **Class B**
- ※ Protection **IP68**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ **5 m** maximum immersion depth
- ※ Liquid temperature up to **35 °C**
- ※ Maximum ambient temperature **40 °C**

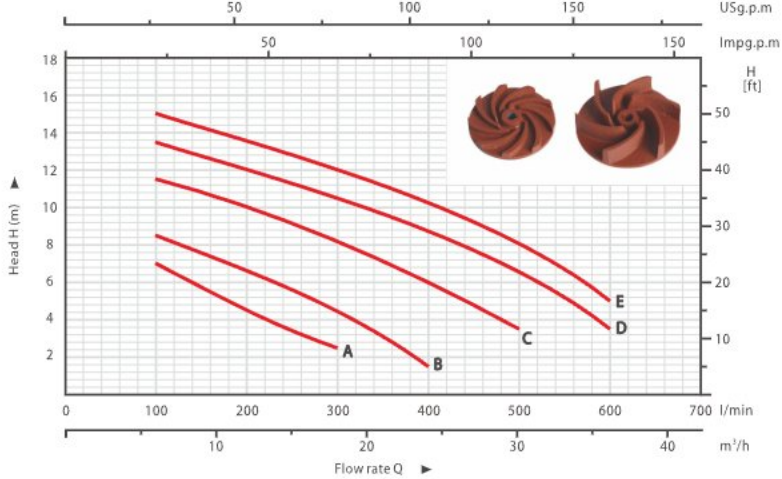
Component

- ※ **Pump body:** Cast iron
- ※ **Motor housing:** AISI201 SS
- ※ **Impeller:** Cast iron
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** SIC/SIC
- ※ **Cable:** 6 m power cable with plug

Construction

- Cast iron
- AISI201 SS
- Cast iron
- AISI304 SS
- SIC/SIC
- 6 m power cable with plug

PERFORMANCE CHART AT $n=2850\text{RPM}$



NO.	MODEL	POWER		Q(m³/h)	Q(l/min)										
		kW	HP		0	6	12	18	24	30	36	40	45	50	600
A	VTX-550F	0.55	0.75	H	9	7	4.5	2.5							
B	VTX-750F	0.75	1		10	8.5	6.5	4.5	1.5						
C	VTX-1100F	1.1	1.5		13	11.5	9.5	8	6	3.5					
D	VTX-1500F	1.5	2		15	13.5	12	10.5	9	7	3.5				
E	VTX-2200F	2.2	3		16.5	15	13.5	12	10.5	8.5	5				



WQDR-B

Submersible sewage pumps



WQDR-B



Application

Suitable for use with dirty water that is not chemically aggressive towards the materials from which the pump is made. As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as clearing dirty water, discharging domestic waste water, and for emptying collection traps containing partial up to a maximum of $\Phi 25\text{mm}$.

Motor

- ※ Two-pole induction motor($n=2850$ r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP68**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ **5 m** maximum immersion depth
- ※ Liquid temperature up to **35 °C**
- ※ Maximum ambient temperature **40 °C**

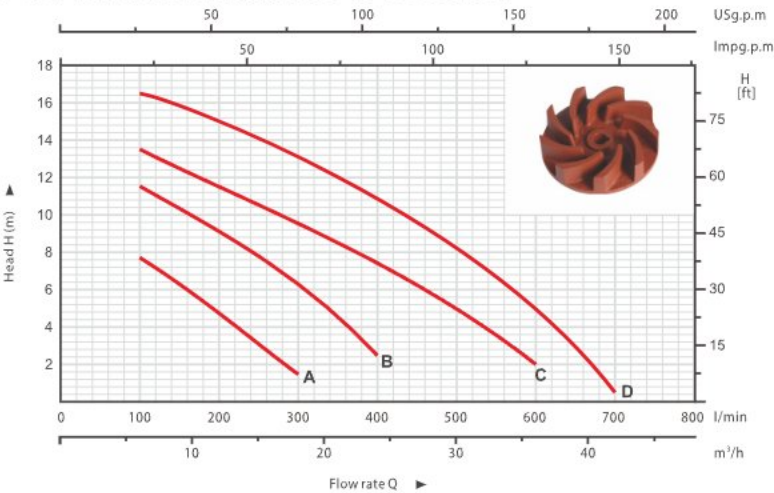
Component

- ※ **Pump body:** Cast iron
- ※ **Motor housing:** AISI201 SS
- ※ **Impeller:** Cast iron
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** SIC/SIC
- ※ **Cable:** 6 m power cable with plug

Construction

- ※ **Pump body:** Cast iron
- ※ **Motor housing:** AISI201 SS
- ※ **Impeller:** Cast iron
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** SIC/SIC
- ※ **Cable:** 6 m power cable with plug

PERFORMANCE CHART AT $n=2850\text{RPM}$



NO.	MODEL	OUTLET	PARTICAL	N.W	L x W x H
		(Inch)	(Φmm)	(Kg)	(mm)
A	WQDR750-B	2"	25	15	275×210×452
B	WQDR1100-B	2"	25	24	275×210×485
C	WQDR1500-B	3"	25	26	340×250×530
D	WQDR2200-B	3"	25	29	340×250×560



NO.	MODEL	POWER		Q(m^3/h)	Q(l/min)	0	6	12	18	24	30	36	42
		kW	HP			0	100	200	300	400	500	600	700
A	WQDR750-B	0.75	1	H		10.5	7.7	4.7	1.5				
B	WQDR1100-B	1.1	1.5			14	11.5	9	6.5	2.5			
C	WQDR1500-B	1.5	2			15	13.5	11.5	9.5	7.5	5	2	
D	WQDR2200-B	2.2	3			18	16.5	14.5	12.5	10.5	8	5	0.5

HWD

Submersible sewage pumps



HWD



Application

Suitable for use with dirty water that is not chemically aggressive towards the materials from which the pump is made. As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as clearing dirty water, discharging domestic waste water, and for emptying collection traps containing partial up to a maximum of $\Phi 40\text{mm}$.

Motor

- ※ Two-pole induction motor($n=2850$ r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP68**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ **5 m** maximum immersion depth
- ※ Liquid temperature up to **35 °C**
- ※ Maximum ambient temperature **40 °C**

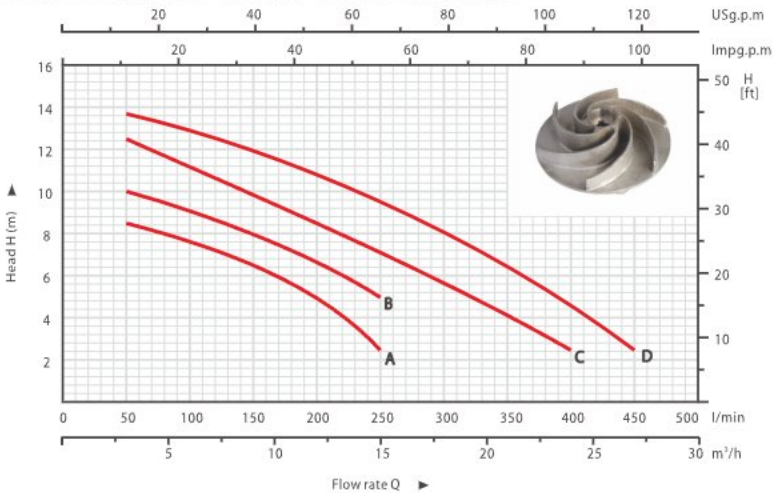
Component

- ※ **Pump body:** AISI304 SS
- ※ **Motor housing:** AISI304 SS
- ※ **Impeller:** AISI304 SS
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** SIC/SIC
- ※ **Cable:** 6 m power cable with plug

Construction

- ※ **Pump body:** AISI304 SS
- ※ **Motor housing:** AISI304 SS
- ※ **Impeller:** AISI304 SS
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** SIC/SIC
- ※ **Cable:** 6 m power cable with plug

PERFORMANCE CHART AT $n=2850\text{RPM}$



NO.	MODEL	OUTLET	PARTICAL	N.W	L x W x H
		(Inch)	(Φmm)	(Kg)	(mm)
A	HWD-550S	1½"	40	11	260×260×505
B	HWD-750S	1½"	40	12	260×260×505
C	HWD-1100S	2"	40	13	275×275×520
D	HWD-1500S	2"	40	15	275×275×550



NO.	MODEL	POWER		Q(m^3/h)	Q(l/min)	0	3	6	9	12	15	18	21	24	27
		kW	HP			0	50	100	150	200	250	300	350	400	450
A	HWD-550S	0.55	0.75	H		10	8.5	7.5	6.5	5	2.5				
B	HWD-750S	0.75	1			11	10	9	8	6.5	5				
C	HWD-1100S	1.1	1.5			12.5	11.5	10.5	9.5	8.5	7	5.5	4	2.5	
D	HWD-1500S	1.5	2			15	13.7	13	12	10.8	9.5	8	6.5	4.5	2.5

HAD

Submersible sewage pumps



HAD

Application

Suitable for use with dirty water that is not chemically aggressive towards the materials from which the pump is made. As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as clearing dirty water, discharging domestic waste water, and for emptying collection traps containing partial up to a maximum of $\Phi 15\text{mm}$.

Motor

- ※ Two-pole induction motor($n=2850$ r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP68**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ **5 m** maximum immersion depth
- ※ Liquid temperature up to **35 °C**
- ※ Maximum ambient temperature **40 °C**

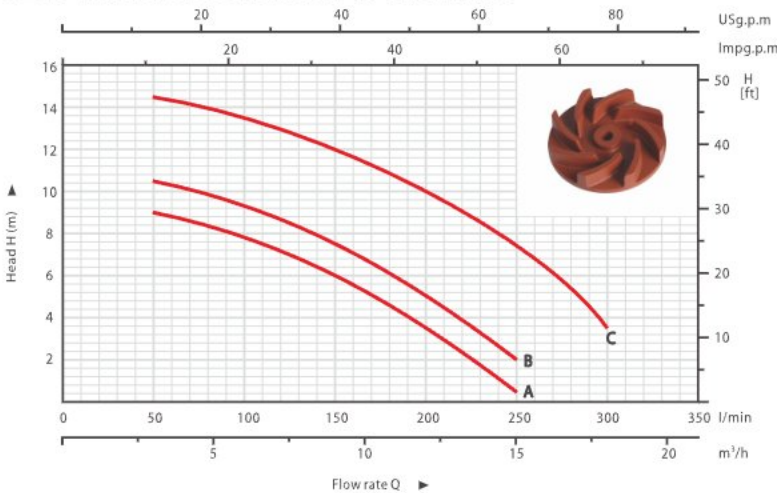
Component

- ※ **Pump body:** Cast iron
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Cast iron
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** SIC/SIC
- ※ **Cable:** 6 m power cable with plug

Construction

- ※ **Pump body:** Cast iron
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Cast iron
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** SIC/SIC
- ※ **Cable:** 6 m power cable with plug

PERFORMANCE CHART AT $n=2850\text{RPM}$



NO.	MODEL	OUTLET	PARTIAL	N.W	L x W x H
		(Inch)	(Φmm)	(Kg)	(mm)
A	HAD-400	2"	15	12	260×230×365
B	HAD-600	2"	15	12.5	260×230×365
C	HAD-750	2"	15	14	260×230×385



NO.	MODEL	POWER		Q(m^3/h)	Q(l/min)	0	3	6	9	12	15	18
		kW	HP			0	50	100	150	200	250	300
A	HAD-400	0.4	0.55	H	H	10	9	7.5	6	3.5	0.5	
B	HAD-600	0.6	0.8			11.5	10.5	9	7.5	5	2	
C	HAD-750	0.75	1			15.5	14.5	13.5	12	10	6.5	3.5

HTD

Submersible sewage pumps



HTD

Application

Suitable for use with dirty water that is not chemically aggressive towards the materials from which the pump is made. As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as clearing dirty water, discharging domestic waste water, and for emptying collection traps containing partial up to a maximum of $\Phi 45\text{mm}$.

Motor

- ※ Two-pole induction motor($n=2850$ r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP68**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ **5 m** maximum immersion depth
- ※ Liquid temperature up to **35 °C**
- ※ Maximum ambient temperature **40 °C**

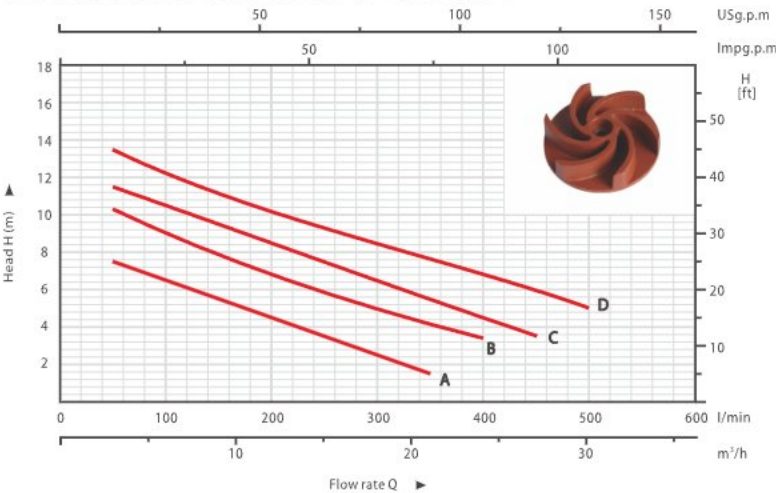
Component

- ※ **Pump body:** Cast iron
- ※ **Motor housing:** Cast iron
- ※ **Impeller:** Cast iron
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** SIC/SIC
- ※ **Cable:** 8 m power cable with plug

Construction

- ※ **Pump body:** Cast iron
- ※ **Motor housing:** Cast iron
- ※ **Impeller:** Cast iron
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** SIC/SIC
- ※ **Cable:** 8 m power cable with plug

PERFORMANCE CHART AT $n=2850\text{RPM}$



NO.	MODEL	OUTLET	PARTIAL	N.W	L x W x H
		(Inch)	(Φmm)	(Kg)	(mm)
A	HTD-550	2"	45	20.2	315×252×504
B	HTD-750	2"	45	21	315×252×504
C	HTD-1100	2"	45	23.3	315×252×542
D	HTD-1500	2"	45	25	315×252×542



NO.	MODEL	POWER		Q(m^3/h)	Q(l/min)	0	3	6	9	11	15	18	21	24	27	30
		kW	HP			0	50	100	150	200	250	300	350	400	450	500
A	HTD-550	0.55	0.75	H	H	8.5	7.5	6.5	5.5	4.5	3.5	2.5	1.5			
B	HTD-750	0.75	1			11.5	10.3	9	8	6.8	5.8	5	4	3.4		
C	HTD-1100	1.1	1.5			13	11.5	10.5	9.5	8.5	7.5	6.5	5.5	4.5	3.5	
D	HTD-1500	1.5	2			15	13.5	12	11	10	9.3	8.5	7.5	6.5	6	5

HUD

Submersible sewage pumps



HUD



Application

Suitable for use with dirty water that is not chemically aggressive towards the materials from which the pump is made. As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as clearing dirty water, discharging domestic waste water, and for emptying collection traps containing partial up to a maximum of Ø35mm.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP68**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

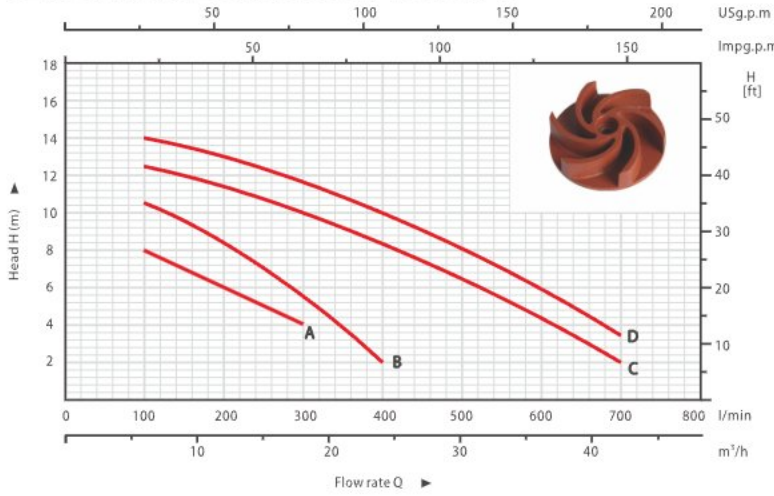
- ※ **5 m** maximum immersion depth
- ※ Liquid temperature up to **35 °C**
- ※ Maximum ambient temperature **40 °C**

Component

- ※ **Pump body:** Cast iron
- ※ **Motor housing:** Cast iron
- ※ **Impeller:** Cast iron
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** SIC/SIC
- ※ **Cable:** 8 m power cable with plug

Construction

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h) Q(l/min)	0	6	12	18	24	30	36	42	45
		kW	HP		0	100	200	300	400	500	600	700	750
A	HUD-550	0.55	0.75	H	10	8	6	4					
B	HUD-750	0.75	1		11.5	10.5	8.5	5.5	2				
C	HUD-1100	1.1	1.5		13.5	12.5	11.5	10	8.5	6.5	4.5	2	
D	HUD-1500	1.5	2		15	14	13	11.5	10	8	6	3.5	

HD1150F~HD1550F

Cutting system submersible sewage pumps



HD1150F~HD1550F



Application

Submersible sewage pumps widely used in agriculture, architecture, mine, environment protection and industry, such as drainage slurry, waste water, which contained short fibre, long fibre, wastepaper, sand and so on, it is also an ideal equipment for irrigation.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP68**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

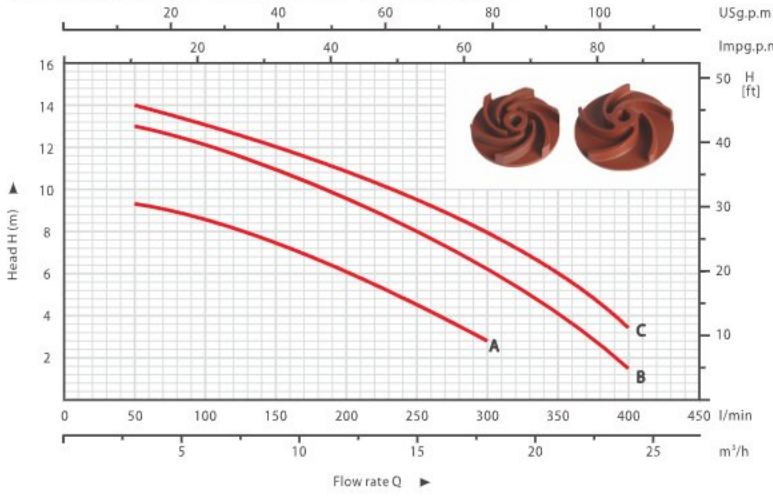
- ※ **5 m** maximum immersion depth
- ※ Liquid temperature up to **35 °C**
- ※ Maximum ambient temperature **40 °C**

Component

- ※ **Pump body:** Cast iron
- ※ **Motor housing:** AISI201 SS
- ※ **Impeller:** Cast iron
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** SIC/SIC
- ※ **Cable:** 8 m power cable with plug

Construction

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h) Q(l/min)	0	3	6	9	12	15	18	21	24
		kW	HP		0	50	100	150	200	250	300	350	400
A	HD1150F	1.15	1.6	H	10	9.3	8.6	7.5	6	4.5	2.8		
B	HD1300F	1.3	1.8		14	13	12	10.8	9.5	8	6.4	4	1.5
C	HD1550F	1.55	2.1		15	14	13	12	11	9.5	8	6	3.5

HD-2

Cutting system submersible sewage pumps



HD550-2~HD750-2

Application

Submersible sewage pumps widely used in agriculture, architecture, mine, environment protection and industry, such as drainage slurry, waste water, which contained short fibre, long fibre, wastepaper, sand and so on, it is also an ideal equipment for irrigation.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP68**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ **5 m** maximum immersion depth
- ※ Liquid temperature up to **35 °C**
- ※ Maximum ambient temperature **40 °C**

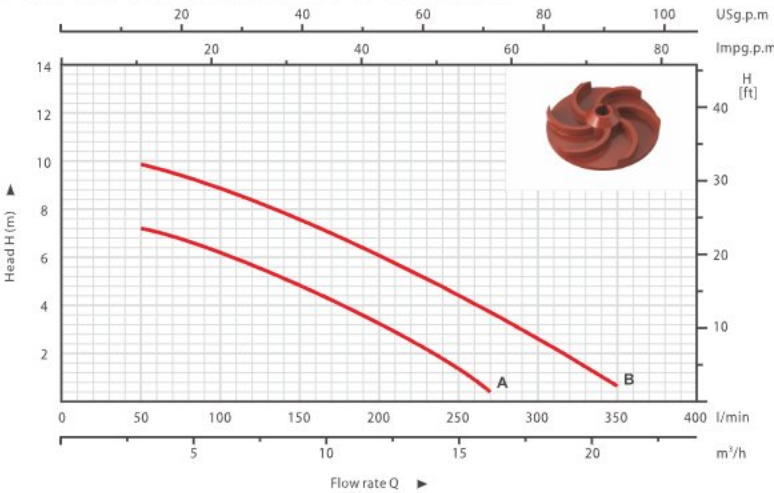
Component

- ※ **Pump body:** Cast iron
- ※ **Motor housing:** AISI201 SS
- ※ **Impeller:** Cast iron
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** SIC/SIC
- ※ **Cable:** 6 m power cable with plug

Construction

- Cast iron
- AISI201 SS
- Cast iron
- AISI304 SS
- SIC/SIC
- 6 m power cable with plug

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	3	6	9	12	15	18	21
		kW	HP									
A	HD550-2	0.55	0.75	H	8	7.2	6.1	5	3.8	2.4	0.4	
B	HD750-2	0.75	1		11	9.9	8.8	7.6	6.3	4.5	2.5	0.6

CUT

Cutting system submersible sewage pumps



CUT

Application

The CUT pumps are specifically designed for pumping untreated waste water from domestic, commercial or municipal sources. The high discharge pressure enables transfer of waste water over longer distances. The pump can cut up fibre mixture in water easily for example: gloves, rope, cloth. Being not wound and no obstruction. It also can reduce energy consumption and keep downtime costs to a minimum, while maintaining peak performance throughout the system life.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP68**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ **5 m** maximum immersion depth
- ※ Liquid temperature up to **35 °C**
- ※ Maximum ambient temperature **40 °C**

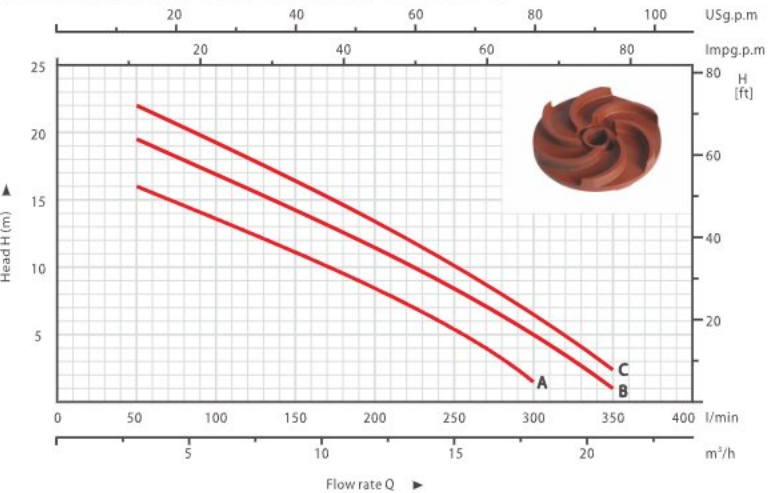
Component

- ※ **Pump body:** Cast iron
- ※ **Motor housing:** AISI201 SS
- ※ **Impeller:** Cast iron
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** SIC/SIC
- ※ **Cable:** 8 m power cable with plug

Construction

- Cast iron
- AISI201 SS
- Cast iron
- AISI304 SS
- SIC/SIC
- 8 m power cable with plug

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h)	0	3	6	9	12	15	18	21	24
		kW	HP										
A	CUT800	0.8	1	H	18	16	13.7	11	8.3	5.5	1.5		
B	CUT1100	1.1	1.5		21.5	19.5	17	14.5	11.5	8.5	5	1	
C	CUT1500	1.5	2		24	22	19.5	16.5	13.5	10	6.5	2.5	

CUT-C5

Cutting system submersible sewage pumps



CUT-C5



Application

The CUT pumps are specifically designed for pumping untreated waste water from domestic, commercial or municipal sources. The high discharge pressure enables transfer of waste water over longer distances. The pump can cut up fibre mixture in water easily for example: gloves, rope, cloth. Being not wound and no obstruction. It also can reduce energy consumption and keep downtime costs to a minimum, while maintaining peak performance throughout the system life.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP68**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ **5 m** maximum immersion depth
- ※ Liquid temperature up to **35 °C**
- ※ Maximum ambient temperature **40 °C**

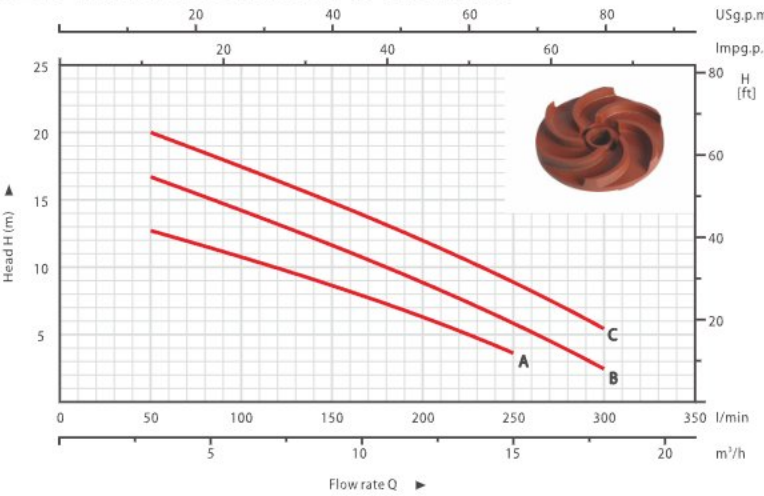
Component

- ※ **Pump body:** Cast iron
- ※ **Motor housing:** AISI201 SS
- ※ **Impeller:** Cast iron
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** SIC/SIC
- ※ **Cable:** 8 m power cable with plug

Construction

- Cast iron
- AISI201 SS
- Cast iron
- AISI304 SS
- SIC/SIC
- 8 m power cable with plug

PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	OUTLET	PARTICAL	N.W	L x W x H
		(Inch)	(Φmm)		
A	CUT-800C5	2"	5	21.5	285×220×510
B	CUT-1100C5	2"	5	23	285×220×530
C	CUT-1500C5	2"	5	26	285×220×560



NO.	MODEL	POWER		Q(m³/h)	0	3	6	9	12	15	18
		kW	HP								
A	CUT-800C5	0.8	1	H	14	12.7	10.7	8.4	6.2	3.3	
B	CUT-1100C5	1.1	1.5		19	16.8	14.3	11.7	9	6.2	2.5
C	CUT-1500C5	1.5	2		22	20	17.3	14.3	11.2	8.2	5.2

WQH-QG

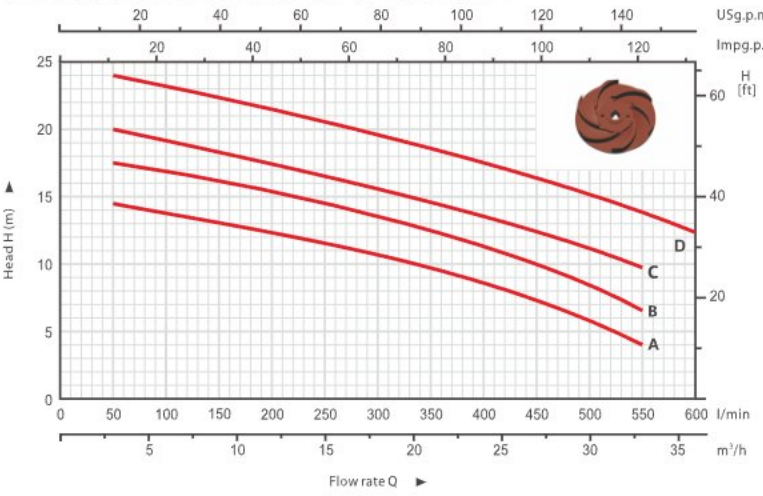
Cutting system submersible sewage pumps



WQH1500-2200QG

WQH3000-4000QG

PERFORMANCE CHART AT n=2850RPM



Application

The WQH-QG pumps are specifically designed for pumping untreated waste water from domestic, commercial or municipal sources. The high discharge pressure enables transfer of waste water over longer distances. The pump can cut up fibre mixture in water easily for example: gloves, rope, cloth. Being not wound and no obstruction. It also can reduce energy consumption and keep downtime costs to a minimum, while maintaining peak performance throughout the system life.

Motor

- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP68**
- ※ Continuous service **S1**
- ※ Thermal protector
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ **5 m** maximum immersion depth
- ※ Liquid temperature up to **35 °C**
- ※ Maximum ambient temperature **40 °C**

Component

- ※ **Pump body:** Cast iron
- ※ **Motor housing:** Cast iron
- ※ **Impeller:** Cast iron
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** SIC-SIC/Ceramic-Graphite
- ※ **Cable:** 8 m power cable with plug

Construction

- Cast iron
- Cast iron
- Cast iron
- AISI304 SS
- SIC-SIC/Ceramic-Graphite
- 8 m power cable with plug

NO.	MODEL	OUTLET	PARTICAL	N.W	L x W x H
		(Inch)	(Φmm)		
A	WQH1500QG	2"	5	31.3	315×260×500
B	WQH2200QG	2"	5	32.9	315×260×500
C	WQH3000QG	2"	5	51	300×270×555
D	WQH4000QG	2"	5	57	300×270×570



NO.	MODEL	POWER		Q(m³/h)	0	3	6	9	12	15	18	21	24	27	30	33	36
		kW	HP														
A	WQH1500QG	1.5	2	H	15	14.5	14	13.5	12.5	11.5	10.5	10	8.5	7	5.5	4	
B	WQH2200QG	2.2	3		18	17.5	17	16.5	15.5	14.5	13.5	12.5	11.5	10	8.5	6.5	
C	WQH3000QG	3	4		20.5	20	19	18	17.3	16.5	15.6	14.7	13.7	12.3	11	9.8	12.3
D	WQH4000QG	4	5.5		24.5	24	23	22	21.3	20.4	19.6	18.7	17.7	16.7	15.4	14	

WQH

Submersible sewage pumps



Application

Suitable for use with dirty water that is not chemically aggressive towards the materials from which the pump is made. As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as clearing dirty water, discharging domestic waste water, and for emptying collection traps containing partial up to a maximum of $\Phi 40\text{mm}$.

Motor

- ※ Two-pole induction motor($n=2850$ r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP68**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ **5 m** maximum immersion depth
- ※ Liquid temperature up to **35 °C**
- ※ Maximum ambient temperature **40 °C**

Component

- ※ **Pump body:** Cast iron
- ※ **Motor housing:** Cast iron
- ※ **Impeller:** Cast iron
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** SIC/SIC(0.55~2.2kW)
Alloy/SIC(3.0~7.5kW)
- ※ **Cable:** 8 m power cable with plug

Construction

- Cast iron
- Cast iron
- Cast iron
- AISI304 SS
- SIC/SIC(0.55~2.2kW)
Alloy/SIC(3.0~7.5kW)
- 8 m power cable with plug

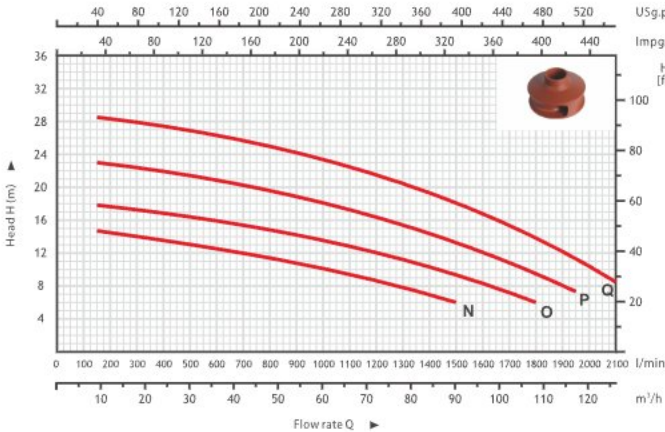
WQH

Submersible sewage pumps

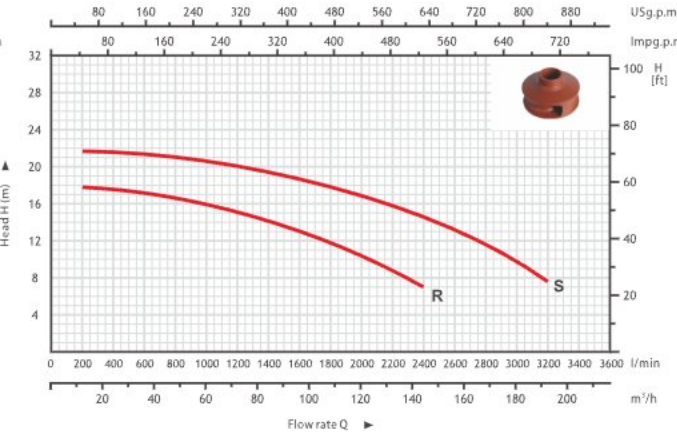


NO.	MODEL	POWER		Q(m³/h) Q(l/min)	0	9	18	27	36	45	54	63	72	81	90	99	108
		kW	HP		0	150	300	450	600	750	900	1050	1200	1350	1500	1650	1800
G	80WQH1100	1.1	1.5	H	10.5	8	5.5	3.3									
H	80WQH1500	1.5	2		13	10.8	8.5	4.2	4								
I	80WQH2200	2.2	3		16	13.8	11.5	8.2	5.8								
J	80WQH3000	3	4		18.5	18.3	17.5	16.4	15.4	14	12.3	10	8	5.2			
K	80WQH4000	4	5.5		21.5	20.9	20	19	18	16.8	15.2	13	10.5	8	5.5		
L	80WQH5500	5.5	7.5		28	26.9	25.6	24.3	23.3	22.2	20.7	19	16.8	13.9	11	7.2	
M	80WQH7500	7.5	10		33.5	32.7	31.6	30.1	28.7	27.6	26.7	25.2	22.9	20.1	17	14.3	8

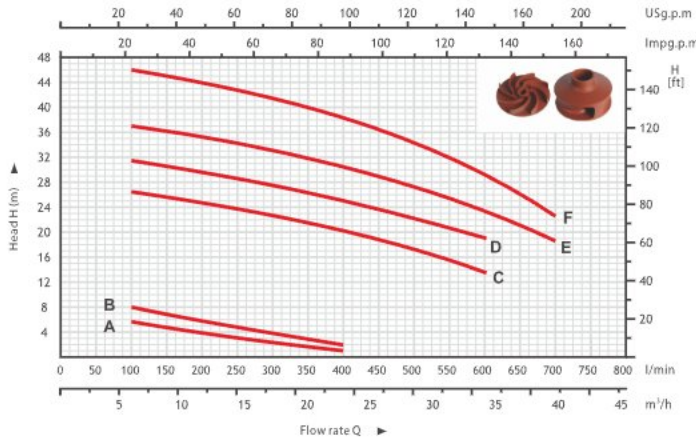
PERFORMANCE CHART AT n=2850RPM



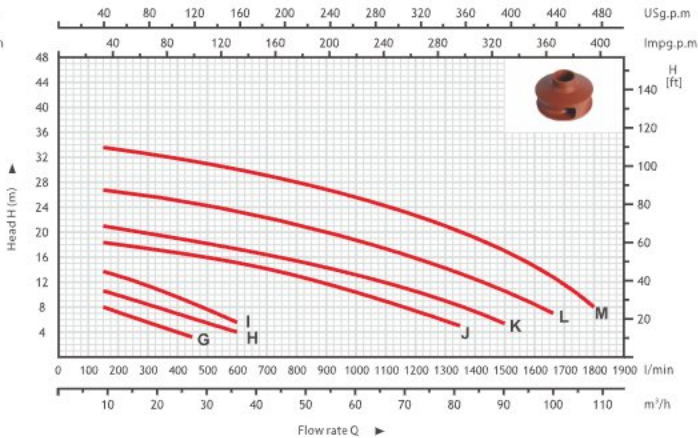
PERFORMANCE CHART AT n=2850RPM



PERFORMANCE CHART AT n=2850RPM



PERFORMANCE CHART AT n=2850RPM



NO.	MODEL	POWER		Q(m³/h) Q(l/min)	0	6	12	18	24	30	36	42
		kW	HP		0	100	200	300	400	500	600	700
A	50WQH550	0.55	0.75	H	8.5	6	4	2.5	1			
B	50WQH750	0.75	1		10.5	8.5	6.5	4	2			
C	50WQH3000	3	4		27.5	26.8	25	22.5	20.3	17.8	13.7	
D	50WQH4000	4	5.5		32	31.8	30	27.8	25.3	22.5	19	
E	50WQH5500	5.5	7.5		38.5	37.1	34.7	32.2	29.3	26.5	23.5	18.9
F	50WQH7500	7.5	10		47.5	46	43.3	40.8	38	34	32.3	22.7

NO.	MODEL	POWER		Q(m³/h) Q(l/min)	0	9	18	27	36	45	54	63	72	81	90	99	108	117	126
		kW	HP		0	150	300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	2100
N	100WQH3000	3	4	H	15	14.8	14	13.6	13	12.4	11.5	10.4	9	7.2	5.9				
O	100WQH4000	4	5.5		18	17.8	17.3	16.5	16	15.3	14.5	13.4	12.2	10.6	8.8	7.3	6		
P	100WQH5500	5.5	7.5		24	23	22.4	21.9	20.7	19.6	18.8	18.1	17.2	15.7	13.5	11.8	9.8	7.5	
Q	100WQH7500	7.5	10		29.5	28.7	28.1	27.5	26.2	25.3	24.5	23.6	22.6	21.1	19	17.3	14.8	11.7	8.2

NO.	MODEL	POWER		Q(m³/h) Q(l/min)	0	24	48	72	96	120	144	168
		kW	HP		0	400	800	1200	1600	2000	2400	2800
R	150WQH5500	5.5	7.5	H	19	17.9	16.9	15.2	13	10.3	7	
S	150WQH7500	7.5	10		23	21.7	20.5	19.1	17.2	14.6	11.4	7.8

NO.	MODEL	OUTLET	PARTIAL	N.W	L x W x H
		(Inch)	(Φmm)	(Kg)	(mm)
A	50WQH550	2"	40	18.5	240×305×475
B	50WQH750	2"	40	19.5	240×305×475
C	50WQH3000	2"	19	51	300×270×555
D	50WQH4000	2"	19	57	300×270×570
E	50WQH5500	2"	16	75	325×295×650
F	50WQH7500	2"	16	80.5	325×295×650
G	80WQH1100	3"	40	28.2	323×305×520
H	80WQH1500	3"	40	29.4	323×305×520
I	80WQH2200	3"	40	31	323×305×520
J	80WQH3000	3"	25	55	310×290×645

NO.	MODEL	OUTLET	PARTIAL	N.W	L x W x H
		(Inch)	(Φmm)	(Kg)	(mm)
K	80WQH4000	3"	25	60	310×290×660
L	80WQH5500	3"	25	76	340×300×690
M	80WQH7500	3"	25	82	340×300×690
N	100WQH3000	4"	30	56	335×305×605
O	100WQH4000	4"	30	62	335×305×615
P	100WQH5500	4"	30	78	385×330×710
Q	100WQH7500	4"	30	83.5	385×330×710
R	150WQH5500	6"	35	87	490×360×740
S	150WQH7500	6"	35	93	490×360×740

WQ-B

Submersible sewage pumps



WQ-B



Application

Suitable for use with dirty water that is not chemically aggressive towards the materials from which the pump is made. As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as clearing dirty water, discharging domestic waste water, and for emptying collection traps containing partial up to a maximum of $\Phi 35\text{mm}$.

Motor

- ※ Two-pole induction motor($n=2850$ r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP68**
- ※ Continuous service **S1**
- ※ Thermal protector
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

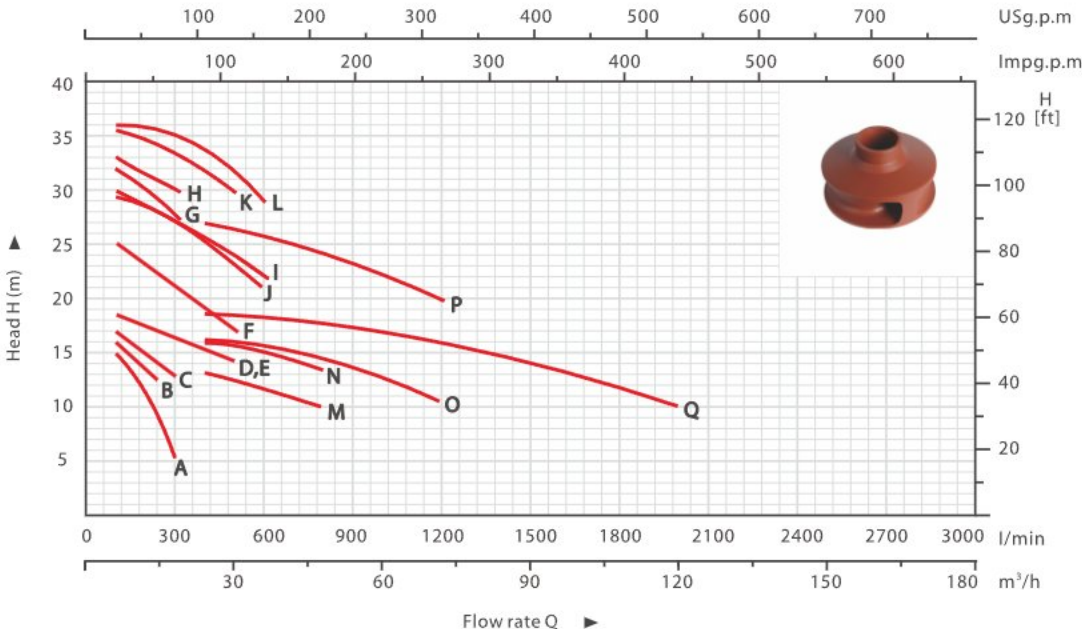
- ※ **5 m** maximum immersion depth
- ※ Liquid temperature up to **35 °C**
- ※ Maximum ambient temperature **40 °C**

Component

- ※ **Pump body:** Cast iron
- ※ **Motor housing:** Cast iron
- ※ **Impeller:** Cast iron
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Alloy/SIC
- ※ **Cable:** 8 m power cable

Construction

PERFORMANCE CHART AT $n=2850\text{RPM}$



WQ-B

Submersible sewage pumps



NO.	MODEL	POWER		Q(m³/h) Q(l/min)	0	6	12	18	24	30	36
		kW	HP		0	100	200	300	400	500	600
A	WQ15-12-1.1B	1.1	1.5	H	17	15	11.5	5.5			
B	WQ7-15-1.1B	1.1	1.5		17.5	16	13.5				
C	WQ15-15-1.5B	1.5	2		19.5	17	15	13			
D	WQ15-20-2.2B	2.2	3		20	18.5	17.5	16.5			
E	WQ27-15-2.2B	2.2	3		20	18.5	17.5	16.5	15.5	14	
F	WQ25-20-3B	3	4		27	25	23	21	19	17	
G	WQ15-30-3B	3	4		34	32	30	27.5			
H	WQ15-32-4B	4	5.5		35	33	31.5	30			
I	WQ25-26-4B	4	5.5		31.5	30	28	27	25.5	23.5	
J	WQ30-22-4B	4	5.5		31.5	29.8	28.5	27	25.5	23	21
K	WQ25-32-5.5B	5.5	7.5		37.5	35.5	34.3	33.3	31.8	30	
L	WQ30-30-5.5B	5.5	7.5		38	36	35.5	35	33.5	31.8	29

NO.	MODEL	POWER		Q(m³/h) Q(l/min)	0	24	48	72	96	120	144
		kW	HP		0	400	800	1200	1600	2000	2400
M	WQ40-10-2.2B	2.2	3	H	17.5	13.2	10				
N	WQ43-13-3B	3	4		21	16	13.5				
O	WQ60-11-4B	4	5.5		20.5	16	14.5	10.5			
P	WQ65-20-7.5B	7.5	10		32	27	24	20			
Q	WQ100-12-7.5B	7.5	10		21	18.8	17.5	16	13.2	10	

NO.	MODEL	OUTLET	PARTICAL	BEARING	N.W	L x W x H
		(Inch)	(Φmm)	(RZ)	(Kg)	(mm)
A	WQ15-12-1.1B	2 1/2"	20	6203/6204	33	260×220×550
B	WQ7-15-1.1B	2"	5	6203/6204	33	260×220×550
C	WQ15-15-1.5B	2"	20	6204/6205*2	37	255×205×560
D	WQ15-20-2.2B	2"	20	6204/6205*2	43	260×210×575
E	WQ27-15-2.2B	2 1/2"	25	6204/6205*2	46	260×210×575
F	WQ25-20-3B	2 1/2"	25	6205/6206*2	51	305×255×625
G	WQ15-30-3B	2"	20	6205/6206*2	48.5	305×255×625
H	WQ15-32-4B	2"	20	6206/6207*2	58.5	365×265×675
I	WQ25-26-4B	2 1/2"	25	6206/6207*2	58.5	365×265×675
J	WQ30-22-4B	3"	25	6206/6207*2	66.5	365×265×675
K	WQ25-32-5.5B	2 1/2"	25	6206/6207*2	68.5	365×265×705
L	WQ30-30-5.5B	3"	25	6206/6207*2	73	365×265×705
M	WQ40-10-2.2B	3"	25	6204/6205*2	43	260×210×575
N	WQ43-13-3B	3"	25	6205/6206*2	48.5	305×255×625
O	WQ60-11-4B	4"	30	6206/6207*2	62.5	365×265×675
P	WQ65-20-7.5B	4"	30	6307/6308*2	103	410×320×765
Q	WQ100-12-7.5B	6"	35	6307/6308*2	103	410×320×765



WQ

Submersible sewage pumps



WQ0.75-2.2



WQ3.0-7.5

HAPPY
 www.happypump.com

Application

Suitable for use with dirty water that is not chemically aggressive towards the materials from which the pump is made. As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as clearing dirty water, discharging domestic waste water, and for emptying collection traps containing suspended solids up to a maximum of $\Phi 35\text{mm}$.

Motor

- ※ Two-pole induction motor ($n=2850\text{ r.p.m}$)
- ※ Insulation **Class B**
- ※ Protection **IP68**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

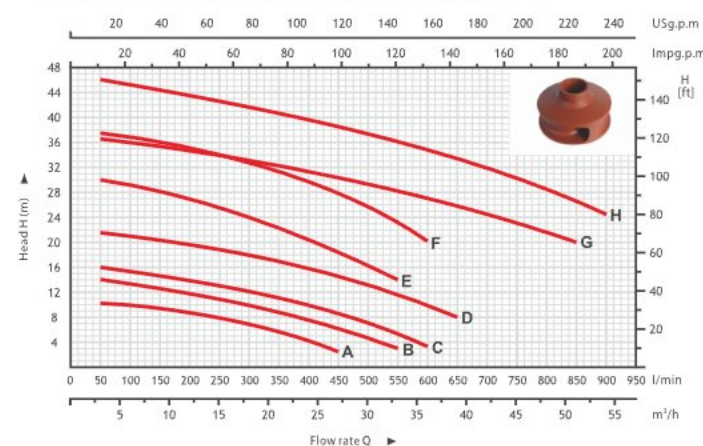
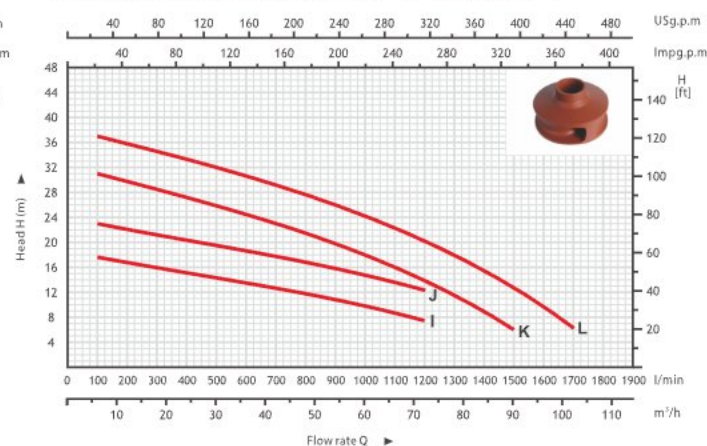
- ※ **5 m** maximum immersion depth
- ※ Liquid temperature up to **35 °C**
- ※ Maximum ambient temperature **40 °C**

Component

- ※ **Pump body:**
- ※ **Motor housing:**
- ※ **Impeller:**
- ※ **Motor shaft:**
- ※ **Mechanical seal:**
- ※ **Cable:**

Construction

Cast iron
 Cast iron
 Cast iron
 AISI304 SS
 SiC-SiC/Ceramic-Graphite (0.75~2.2kW)
 Alloy/Ceramic-Graphite (3~7.5kW)
 8 m power cable

PERFORMANCE CHART AT $n=2850\text{RPM}$ PERFORMANCE CHART AT $n=2850\text{RPM}$ 

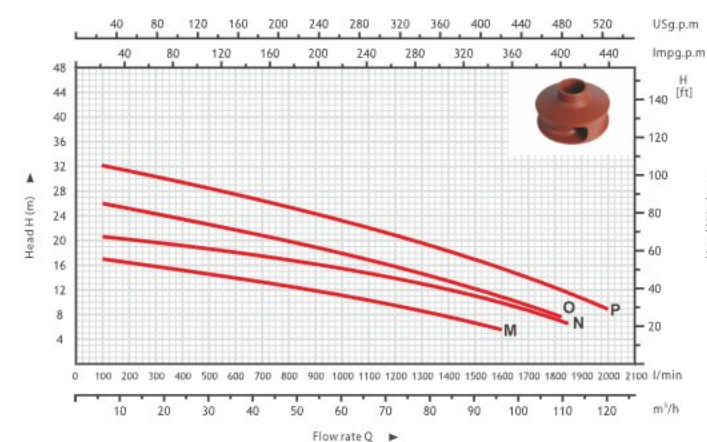
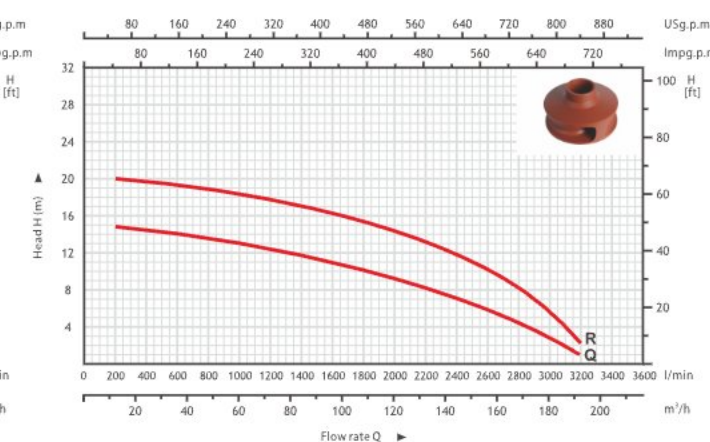
NO.	MODEL	POWER kW HP	Q(m³/h) Q(l/min)	0	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57
A	50WQ0.75	0.75 1	H	11	10.2	9.6	9	8.5	7.8	7	6	4.5	2.5										
B	50WQ1.1	1.1 1.5		15	14	13.25	12.44	11.85	11	10.3	9.3	8.2	6.7	5.1	2.8								
C	50WQ1.5	1.5 2		17	15.9	15.1	14.3	13.5	12.7	12	11	10	8.8	7.2	5.4	3.3							
D	50WQ2.2	2.2 3		22	21.5	20.8	20.1	19.4	18.6	17.9	17	16	14.9	13.5	11.9	10	8						
E	50WQ3.0	3 4		31	30.3	29.3	27.9	26.68	25.48	24	22.29	20.49	18.5	16.2	14								
F	50WQ4.0	4 5.5		38.5	37.6	36.7	35.7	34.7	33.5	32.36	31	29.8	28	25.8	23.5	20.19							
G	50WQ5.5	5.5 7.5		36.5	36.3	36	35.5	35	34	33	32	31.2	30.2	29.25	28	26.5	25.2	23.8	22.5	21	19		
H	50WQ7.5	7.5 10		47.5	46	45	44	43	42	41	40	39	38	37	35.5	34.2	33	32	30.3	28.5	26.5	24.5	21.5

WQ

Submersible sewage pumps

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NO.	MODEL	POWER kW HP	Q(m³/h) Q(l/min)	0	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102
I	80WQ3.0	3 4	H	20	17.8	16.2	15.03	14.66	14.36	14.17	13.38	12.38	11.54	10.13	9	7.5					
J	80WQ4.0	4 5.5		24.5	23.1	21.36	19.91	19.04	18.4	18.02	17.51	16.66	15.73	14.59	13.74	12.3	11.1				
K	80WQ5.5	5.5 7.5		33	31	29	27	25	24	23	22	21.5	20	18	16	14	12	9	6		
L	80WQ7.5	7.5 10		39	37	35.5	34	32.5	31	29.5	28	27	26	24.5	22.5	20.5	18.3	16	13	10	6.5

PERFORMANCE CHART AT $n=2850\text{RPM}$ PERFORMANCE CHART AT $n=2850\text{RPM}$ 

NO.	MODEL	POWER kW HP	Q(m³/h) Q(l/min)	0	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	112
M	100WQ3.0	3 4	H	18.5	16.9	15.7	14.9	14.33	13.93	13.72	13.32	12.82	12.16	11.36	10.51	9.63	8.73	7.84	6.8	5.46	
N	100WQ4.0	4 5.5		22	20.5	19.3	18.34	17.4	17	16.83	16.48	16.25	15.65	14.94	14.19	13.29	12.56	11.72	11	10	6.5
O	100WQ5.5	5.5 7.5		27.5	26	24.5	23.2	22.2	21.5	20.7	19.8	19.1	18.3	17.7	17	16.2	15.2	14	12.5	11.3	6.8
P	100WQ7.5	7.5 10		33	32	30.8	29.5	28.5	27.5	26.5	25.5	24.5	23.7	22.9	22.1	21.1	20.1	19.1	17.7	15.9	9

NO.	MODEL	POWER kW HP	Q(m³/h) Q(l/min)	0	24	48	60	72	84	96	108	120	132	144	156	168	180	192
Q	150WQ5.5	5.5 7.5	H	15.5	14.3	12.9	12.2	11.4	10.9	10.2	9.5	8.8	8	7.3	6.6	5.8	3.6	0.8
R	150WQ7.5	7.5 10		21	19.3	17.9	17.23	16.5	15.9	15.4	14.9	14.3	13.7	12.9	11.9	10.6	8.1	2

NO.	MODEL	OUTLET (Inch)	PARTIAL (Φmm)	N.W (Kg)	L x W x H (mm)
A	50WQ0.75	2"	20	23	215x265x480
B	50WQ1.1	2"	20	24	215x265x480
C	50WQ1.5	2"	20	26	215x265x525
D	50WQ2.2	2"	20	27.5	215x265x525
E	50WQ3.0	2"	20	56	295x360x672
F	50WQ4.0	2"	20	61.8	275x325x675
G	50WQ5.5	2"	20	81	330x360x760
H	50WQ7.5	2"	20	88	338x360x780
I	80WQ3.0	3"	20	56.5	285x370x695

NO.	MODEL	OUTLET (Inch)	PARTIAL (Φmm)	N.W (Kg)	L x W x H (mm)
J	80WQ4.0	3"	20	62	285x360x712
K	80WQ5.5	3"	35	80	300x370x780
L	80WQ7.5	3"	35	86	300x370x790
M	100WQ3.0	4"	20	56	285x365x638
N	100WQ4.0	4"	20	60.5	290x370x710
O	100WQ5.5	4"	35	81	300x420x770
P	100WQ7.5	4"	35	87	300x420x790
Q	150WQ5.5	6"	35	88	345x405x1100
R	150WQ7.5	6"	35	94	345x405x1100

WQ

Submersible sewage pumps



WQ

Application

Suitable for use with dirty water that is not chemically aggressive towards the materials from which the pump is made. As a result of their reliability and the fact that they are easy to use, and suitable for use in applications such as clearing dirty water, discharging domestic waste water, and for emptying collection traps containing suspended solids up to a maximum of $\Phi 100\text{mm}$

Motor

- ※ Two-pole induction motor($n=2850$ r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP68**
- ※ Continuous service **S1**
- ※ Thermal protector
- ※ Three-phase 380V/50Hz, 60Hz if request

Operating conditions

- ※ **8 m** maximum immersion depth
- ※ Liquid temperature up to **35 °C**
- ※ Maximum ambient temperature **40 °C**

Component

- ※ **Pump body:** Cast iron
- ※ **Motor housing:** Cast iron
- ※ **Impeller:** Cast iron
- ※ **Motor shaft:** AISI304 SS
- ※ **Mechanical seal:** Alloy/Ceramic-Graphite
- ※ **Cable:** 8 m power cable

Construction

NO.	MODEL	POWER		SPEED (R/min)	VIT. (V)	FREQ. (Hz)	Q.RATE		H.RATE (m)	OUTLET (Inch)
		kW	HP				(m³/h)	(L/min)		
1	100WQ100-25-11	11	15	1450	380	50	100	1666	25	4
2	150WQ180-11-11	11	15	1450	380	50	180	3000	11	6
3	200WQ300-7-11	11	15	1450	380	50	300	5000	7	8
4	250WQ400-5-11	11	15	1450	380	50	400	6666	5	10
5	100WQ100-30-15	15	20	1450	380	50	100	1666	30	4
6	150WQ200-15-15	15	20	1450	380	50	200	3333	15	6
7	200WQ250-11-15	15	20	1450	380	50	250	4166	11	8
8	250WQ500-5-15	15	20	1450	380	50	500	8333	5	10
9	100WQ100-35-18.5	18.5	25	1450	380	50	100	1666	35	4
10	150WQ180-20-18.5	18.5	25	1450	380	50	180	3000	20	6

WQ

Submersible sewage pumps



NO.	MODEL	POWER		SPEED (R/min)	VIT. (V)	FREQ. (Hz)	Q.RATE		H.RATE (m)	OUTLET (Inch)
		kW	HP				(m³/h)	(L/min)		
11	200WQ250-15-18.5	18.5	25	1450	380	50	250	4166	15	8
12	200WQ350-10-18.5	18.5	25	1450	380	50	350	5833	10	8
13	250WQ500-7-18.5	18.5	25	1450	380	50	500	8333	7	10
14	300WQ650-5-18.5	18.5	25	1450	380	50	650	10833	5	12
15	100WQ100-40-22	22	29	1450	380	50	100	1666	40	4
16	150WQ200-22-22	22	29	1450	380	50	200	3333	22	6
17	200WQ300-16-22	22	29	1450	380	50	300	5000	16	8
18	200WQ400-10-22	22	29	1450	380	50	400	6666	10	8
19	250WQ500-9-22	22	29	1450	380	50	500	8333	9	10
20	300WQ650-7-22	22	29	1450	380	50	650	10833	7	12
21	100WQ120-45-30	30	40	1450	380	50	120	2000	45	4
22	150WQ180-30-30	30	40	1450	380	50	180	3000	30	6
23	200WQ250-22-30	30	40	1450	380	50	250	4166	22	8
24	250WQ500-12-30	30	40	1450	380	50	500	8333	12	10
25	250WQ600-9-30	30	40	1450	380	50	600	10000	9	10
26	300WQ1000-6-30	30	40	980	380	50	1000	16666	6	12
27	300WQ800-7-30	30	40	1450	380	50	800	13333	7	12
28	350WQ1500-4-30	30	40	980	380	50	1500	25000	4	14
29	100WQ120-50-37	37	49	1450	380	50	120	2000	50	4
30	150WQ200-35-37	37	49	1450	380	50	200	3333	35	6
31	200WQ300-28-37	37	49	1450	380	50	300	5000	28	8
32	200WQ350-25-37	37	49	1450	380	50	350	5833	25	8
33	250WQ600-12-37	37	49	1450	380	50	600	10000	12	10
34	300WQ800-9-37	37	49	1450	380	50	800	13333	9	12
35	350WQ1000-6-37	37	49	1450	380	50	1000	16666	6	14
36	350WQ1100-6-37	37	49	980	380	50	1100	18333	6	14
37	400WQ1300-5-37	37	49	980	380	50	1300	21666	5	16
38	100WQ100-57-45	45	60	1450	380	50	100	1666	57	4
39	150WQ200-40-45	45	60	1450	380	50	200	3333	40	6
40	200WQ300-32-45	45	60	1450	380	50	300	5000	32	8
41	200WQ400-25-45	45	60	1450	380	50	400	6666	25	8
42	250WQ600-15-45	45	60	1450	380	50	600	10000	15	10
43	300WQ800-12-45	45	60	1450	380	50	800	13333	12	12
44	350WQ1200-8-45	45	60	1450	380	50	1200	20000	8	14
45	350WQ1300-8-45	45	60	980	380	50	1300	21666	8	14
46	400WQ1700-6-45	45	60	980	380	50	1700	28333	6	16
47	100WQ100-65-55	55	73	1450	380	50	100	1666	65	4
48	150WQ180-50-55	55	73	1450	380	50	180	3000	50	6
49	200WQ300-40-55	55	73	1450	380	50	300	5000	40	8

WQ

Submersible sewage pumps



NO.	MODEL	POWER		SPEED (R/min)	VIT. (V)	FREQ. (Hz)	Q.RATE		H.RATE (m)	OUTLET (Inch)
		kW	HP				(m³/h)	(L/min)		
50	200WQ400-30-55	55	73	1450	380	50	400	6666	30	8
51	250WQ600-20-55	55	73	1450	380	50	600	10000	20	10
52	300WQ800-15-55	55	73	1450	380	50	800	13333	15	12
53	350WQ1000-10-55	55	73	1450	380	50	1000	16666	10	14
54	350WQ1100-10-55	55	73	980	380	50	1100	18333	10	14
55	400WQ1300-8-55	55	73	1450	380	50	1300	21666	8	16
56	400WQ1500-8-55	55	73	980	380	50	1500	25000	8	16
57	500WQ2200-5-55	55	73	740	380	50	2200	36666	5	20
58	100WQ120-75-75	75	100	1450	380	50	120	2000	75	4
59	150WQ200-60-75	75	100	1450	380	50	200	3333	60	6
60	200WQ350-45-75	75	100	1450	380	50	350	5833	45	8
61	250WQ600-25-75	75	100	1450	380	50	600	10000	25	10
62	300WQ800-20-75	75	100	1450	380	50	800	13333	20	12
63	350WQ1000-15-75	75	100	1450	380	50	1000	16666	15	14
64	350WQ1500-12-75	75	100	980	380	50	1500	25000	12	14
65	400WQ1300-13-75	75	100	1450	380	50	1300	21666	13	16
66	400WQ1700-10-75	75	100	980	380	50	1700	28333	10	16
67	500WQ2000-8-75	75	100	980	380	50	2000	33333	8	20
68	500WQ2700-6-75	75	100	740	380	50	2700	45000	6	20
69	100WQ200-85-90	90	120	1450	380	50	200	3333	85	4
70	150WQ200-70-90	90	120	1450	380	50	200	3333	70	6
71	200WQ300-60-90	90	120	1450	380	50	300	5000	60	8
72	200WQ400-50-90	90	120	1450	380	50	400	6666	50	8
73	250WQ600-30-90	90	120	1450	380	50	600	10000	30	10
74	300WQ800-25-90	90	120	1450	380	50	800	13333	25	12
75	350WQ1000-18-90	90	120	1450	380	50	1000	16666	18	14
76	350WQ1200-18-90	90	120	980	380	50	1200	20000	18	14
77	400WQ1300-16-90	90	120	1450	380	50	1300	21666	16	16
78	400WQ1500-15-90	90	120	980	380	50	1500	25000	15	16
79	500WQ2500-8-90	90	120	740	380	50	2500	41666	8	20
80	500WQ2000-10-90	90	120	980	380	50	2000	33333	10	20
81	600WQ3000-6-90	90	120	740	380	50	3000	50000	6	24
82	100WQ100-100-110	110	147	1450	380	50	100	1666	100	4
83	150WQ180-80-110	110	147	1450	380	50	180	3000	80	6
84	200WQ300-65-110	110	147	1450	380	50	300	5000	65	8
85	250WQ600-40-110	110	147	1450	380	50	600	10000	40	10
86	300WQ1000-25-110	110	147	1450	380	50	1000	16666	25	12
87	350WQ1300-20-110	110	147	1450	380	50	1300	21666	20	14
88	350WQ1600-16-110	110	147	980	380	50	1600	26666	16	14
89	400WQ1500-17-110	110	147	1450	380	50	1500	25000	17	16
90	400WQ1800-15-110	110	147	980	380	50	1800	30000	15	16
91	500WQ2500-10-110	110	147	980	380	50	2500	41666	10	20
92	500WQ3000-8-110	110	147	740	380	50	3000	50000	8	20
93	600WQ3200-7-110	110	147	980	380	50	3200	53333	7	24
94	600WQ3800-6-110	110	147	740	380	50	3800	63333	6	24
95	150WQ200-90-132	132	176	1450	380	50	200	3333	90	6
96	200WQ400-75-132	132	176	1450	380	50	400	6666	75	8
97	250WQ600-50-132	132	176	1450	380	50	600	10000	50	10
98	300WQ800-36-132	132	176	1450	380	50	800	13333	36	12

WQ

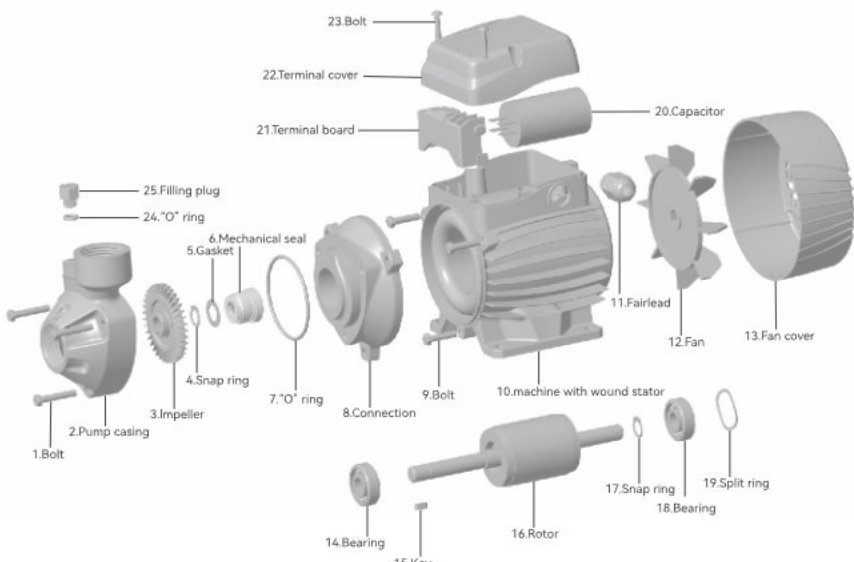
Submersible sewage pumps



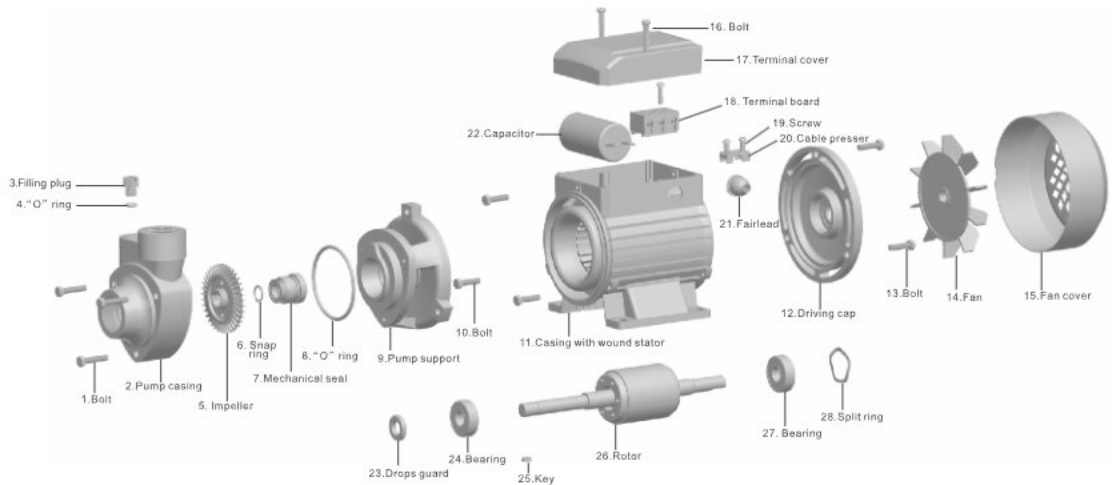
NO.	MODEL	POWER		SPEED (R/min)	VIT. (V)	FREQ. (Hz)	Q.RATE		H.RATE (m)	OUTLET (Inch)
		kW	HP				(m³/h)	(L/min)		
99	350WQ1100-28-132	132	176	1450	380	50	1100	18333	28	14
100	350WQ1500-20-132	132	176	980	380	50	1500	25000	20	14
101	400WQ1700-16-132	132	176	1450	380	50	1700	28333	16	16
102	400WQ2000-15-132	132	176	980	380	50	2000	33333	15	16
103	500WQ2800-10-132	132	176	980	380	50	2800	46666	10	20
104	500WQ3100-10-132	132	176	740	380	50	3100	51666	10	20
105	600WQ3700-8-132	132	176	980	380	50	3700	61666	8	24
106	600WQ4000-8-132	132	176	740	380	50	4000	75000	8	24
107	150WQ220-100-160	160	213	1450	380	50	220	3666	100	6
108	200WQ400-85-160	160	213	1450	380	50	400	6666	85	8
109	250WQ600-60-160	160	213	1450	380	50	600	10000	60	10
110	300WQ800-40-160	160	213	1450	380	50	800	13333	40	12
111	350WQ1000-35-160	160	213	1450	380	50	1000	16666	35	14
112	350WQ1200-35-160	160	213	980	380	50	1200	20000	35	14
113	400WQ1600-20-160	160	213	1450	380	50	1600	26666	20	16
114	400WQ1600-22-160	160	213	980	380	50	1600	26666	22	16
115	500WQ2600-16-160	160	213	980	380	50	2600	43333	16	20
116	500WQ3000-14-160	160	213	740	380	50	3000	50000	14	20
117	600WQ3700-10-160	160	213	980	380	50	3700	61666	10	24
118	600WQ4000-10-160	160	213	740	380	50	4000	66666	10	24
119	200WQ400-90-185	185	247	1450	380	50	400	6666	90	8
120	250WQ600-70-185	185	247	1450	380	50	600	10000	70	10
121	300WQ900-40-185	185	247	1450	380	50	900	15000	40	12
122	350WQ1100-38-185	185	247	1450	380	50	1100	18333	38	14
123	400WQ1600-25-185	185	247	1450	380	50	1600	26666	25	16
124	400WQ2000-20-185	185	247	980	380	50	2000	33333	20	16
125	500WQ3000-15-185	185	247	980	380	50	3000	50000	15	20
126	600WQ3700-12-185	185	247	980	380	50	3700	61666	12	24
127	250WQ750-75-200	200	267	1450	380	50	1000	16666	75	10
128	300WQ1000-45-200	200	267	1450	380	50	1000	16666	45	12
129	350WQ1300-35-200	200	267	1450	380	50	1300	21666	35	14
130	400WQ1500-30-200	200	267	1450	380	50	1500	25000	30	16
131	400WQ2300-22-200	200	267	980	380	50	2300	38333	22	16
132	500WQ3500-15-200	200	267	980	380	50	3500	58333	15	20
133	600WQ4500-12-200	200	267	980	380	50	4500	75000	12	24
134	300WQ1100-45-250	250	333	1450	380	50	1100	18333	45	12
135	350WQ1500-36-250	250	333	1450	380	50	1500	25000	36	14
136	400WQ1800-30-250	250	333	1450	380	50	1800	30000	30	16
137	400WQ2200-28-250	250	333	980	380	50	2200	36666	28	16
138	500WQ3000-21-250	250	333	980	380	50	3000	50000	21	20
139	600WQ4000-18-250	250	333	980	380	50	4000	66666	18	24
140	300WQ1000-55-315	315	420	1450	380	50	1000	16666	55	12
141	350WQ1500-45-315	315	420	1450	380	50	1500	25000	45	14
142	400WQ2000-36-315	315	420	980	380	50	2000	33333	36	16
143	500WQ3500-25-315	315	420	980	380	50	3500	58333	25	20
144	600WQ4500-20-315	315	420	980	380	50	4500	75000	20	24
145	500WQ3000-35-400	400	533	980	380	50	3000	50000	35	20
146	600WQ5000-22-400	400	533	980	380	50	5000	83333	22	24
147	500WQ4000-32-550	550	733	980	380	50	4000	66666	32	20
148	600WQ5500-25-550	550	733	980	380	50	5500	83333	25	24

EXPLODE DRAWING

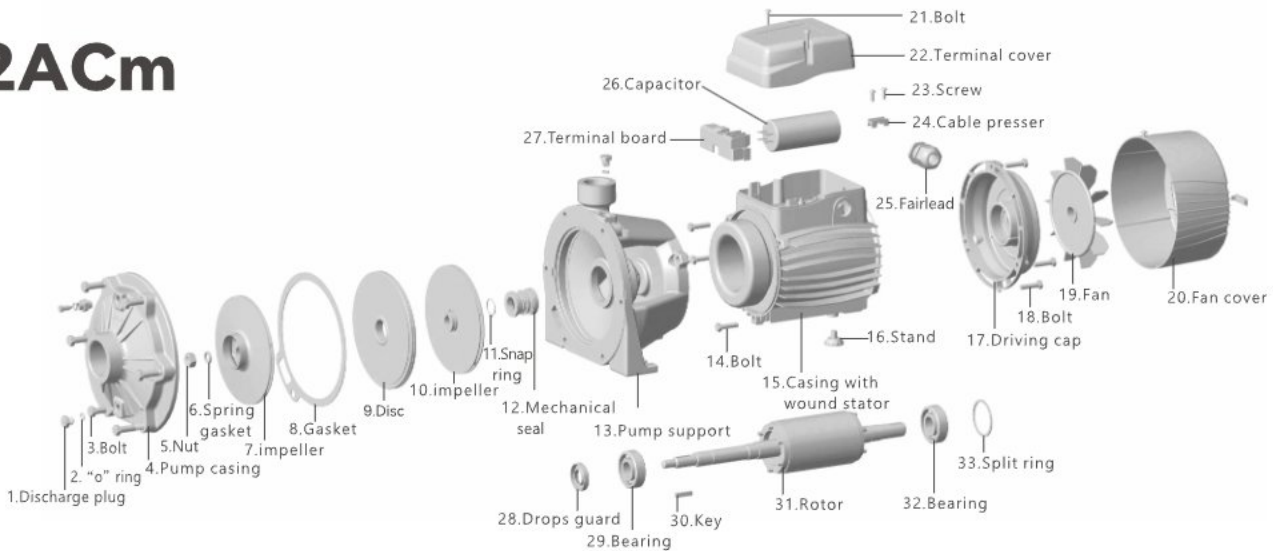
HPm



QB

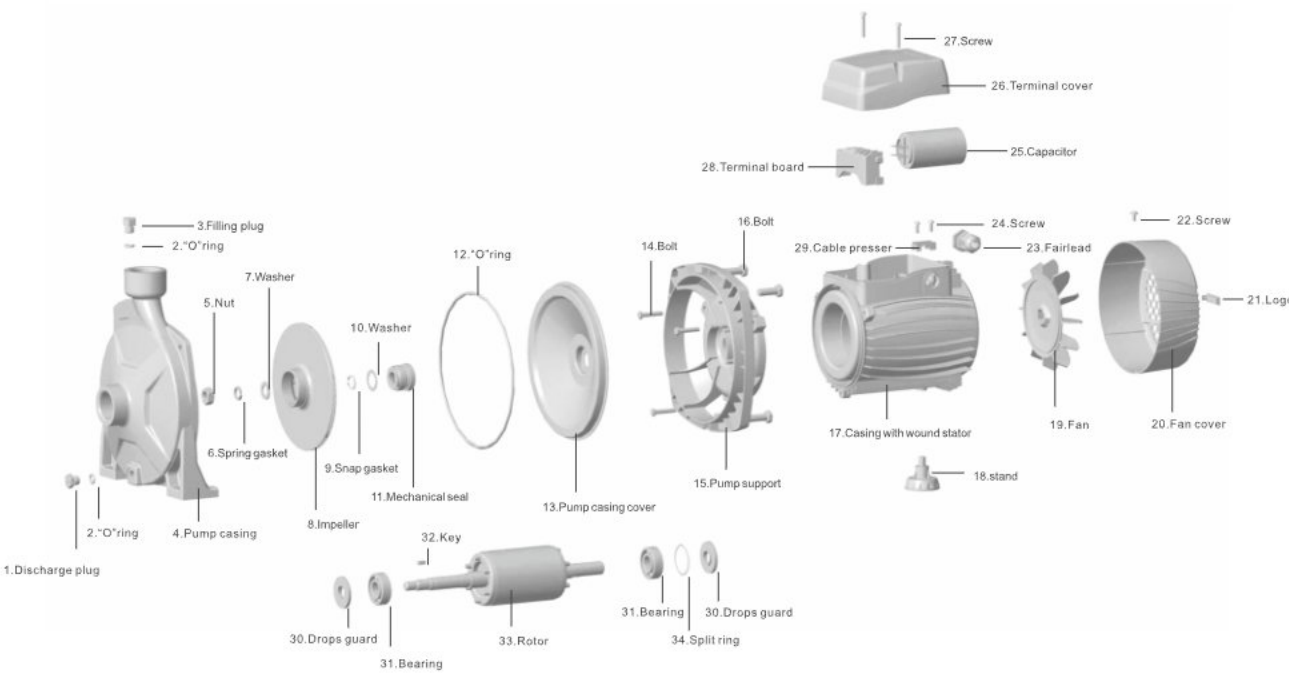


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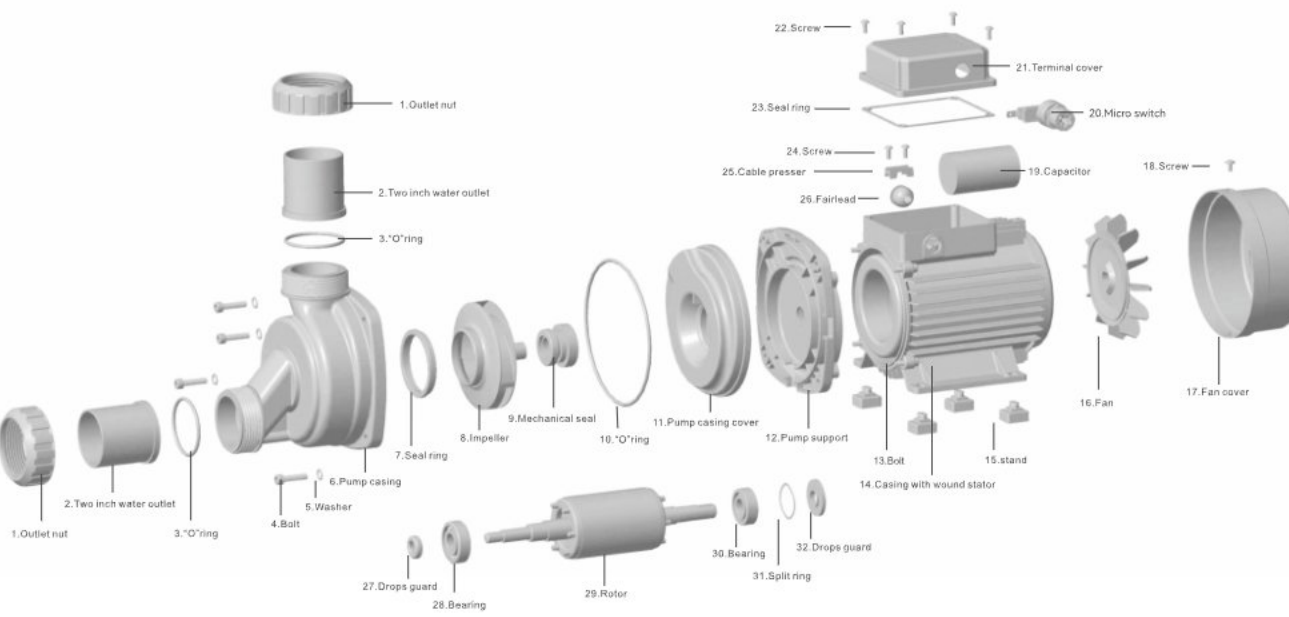


EXPLODE DRAWING

ACm

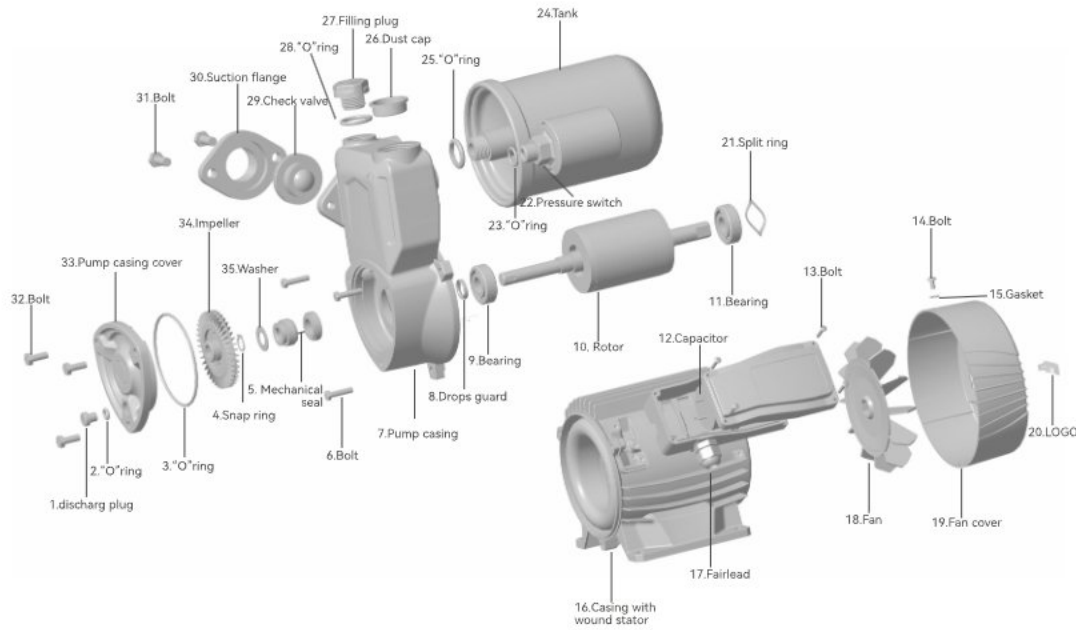


HSPA

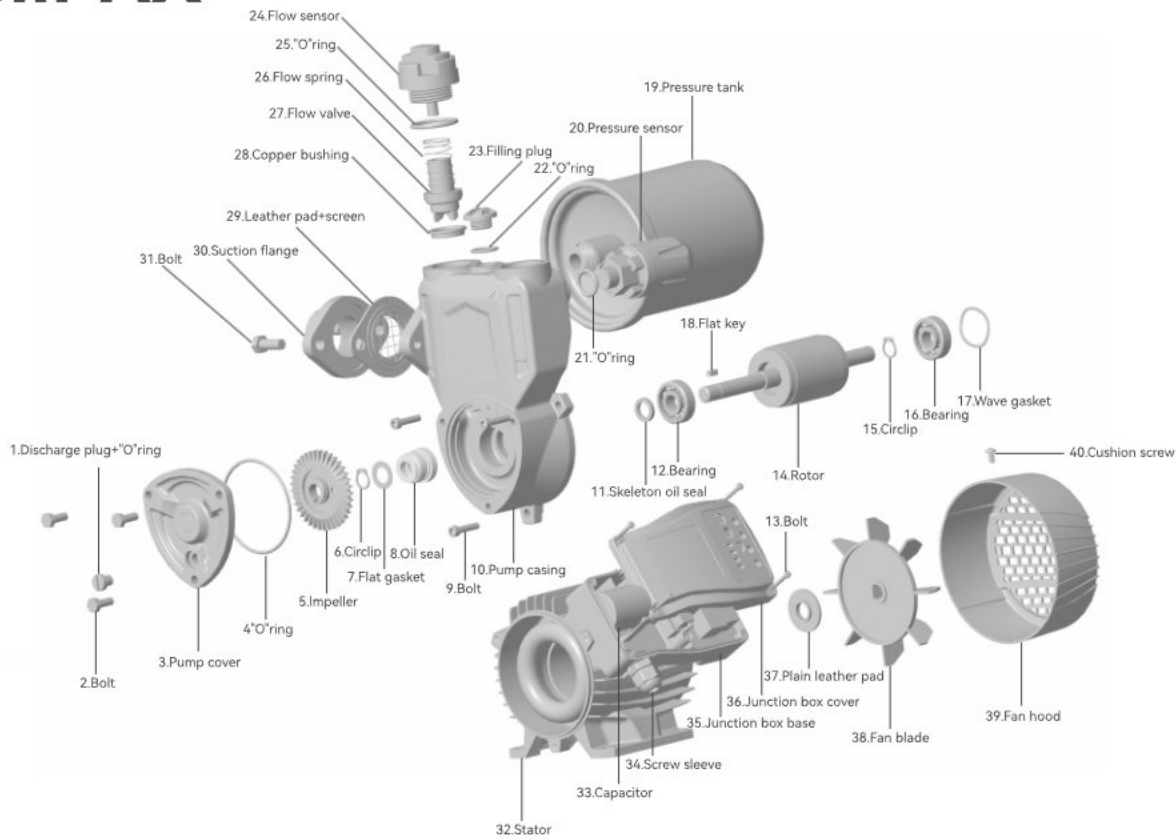


EXPLODE DRAWING

HPSm-A

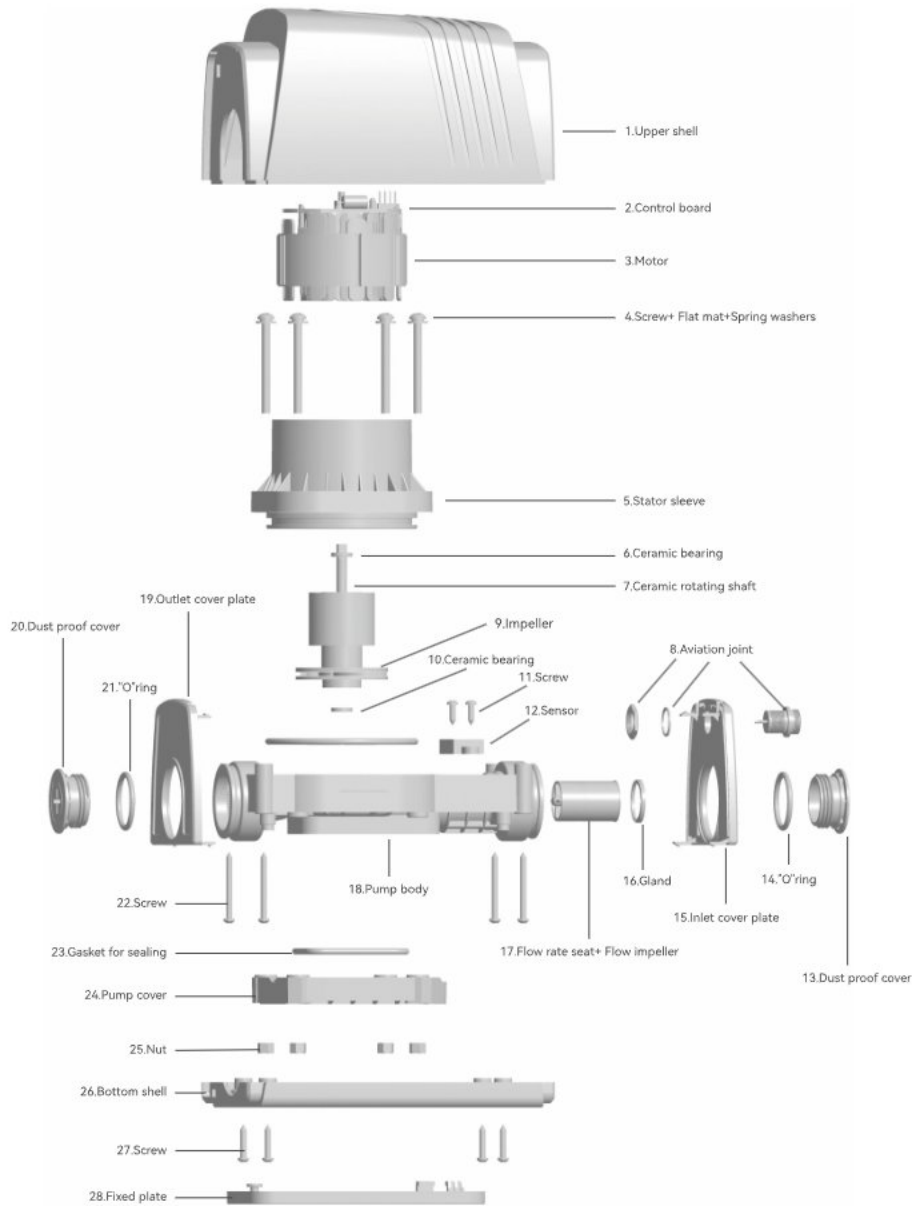


HPSm-AX

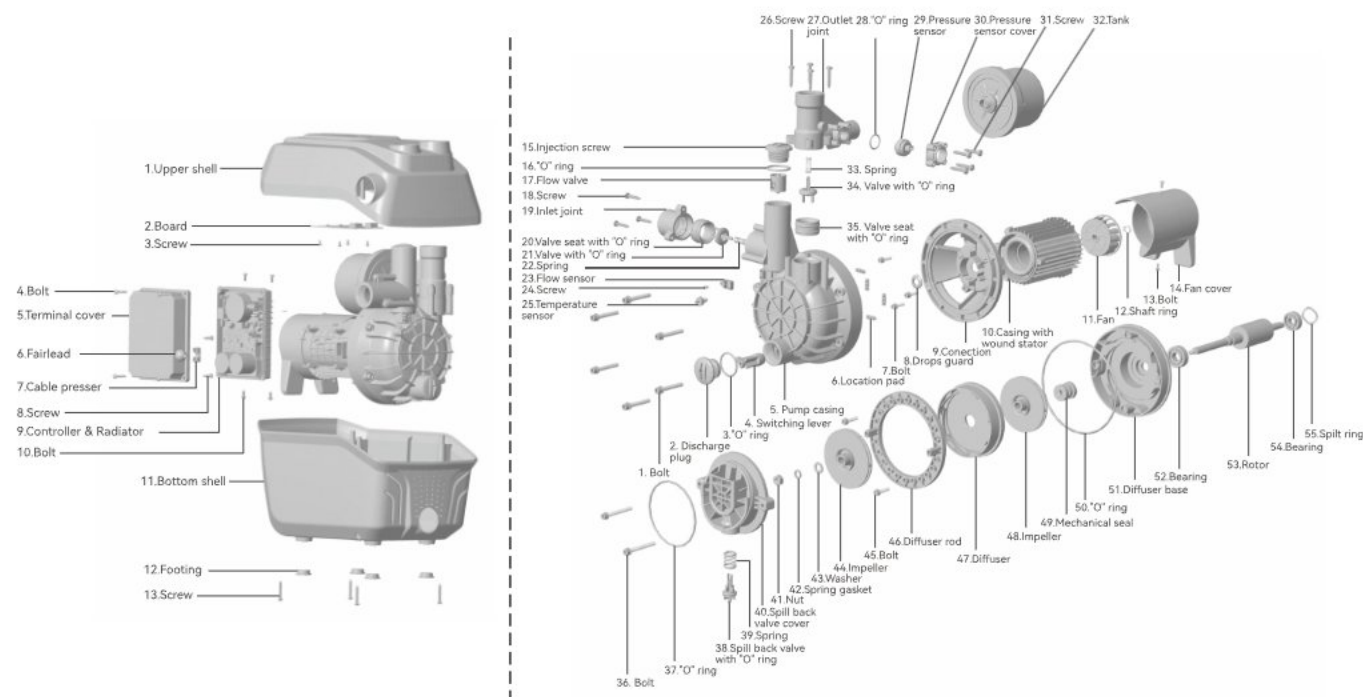


EXPLODE DRAWING

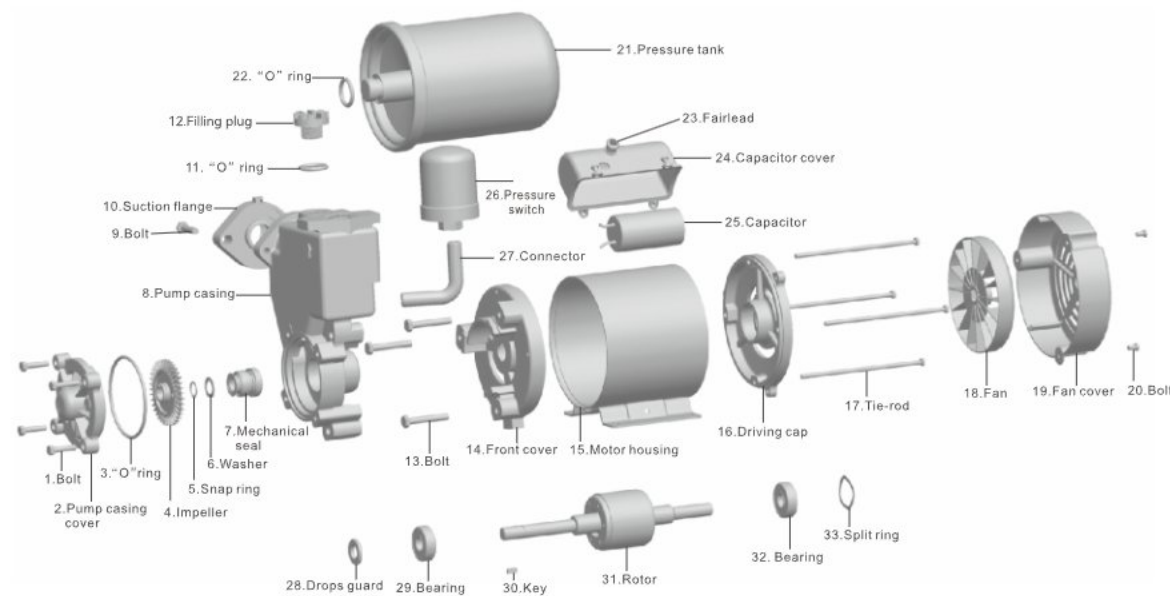
H16



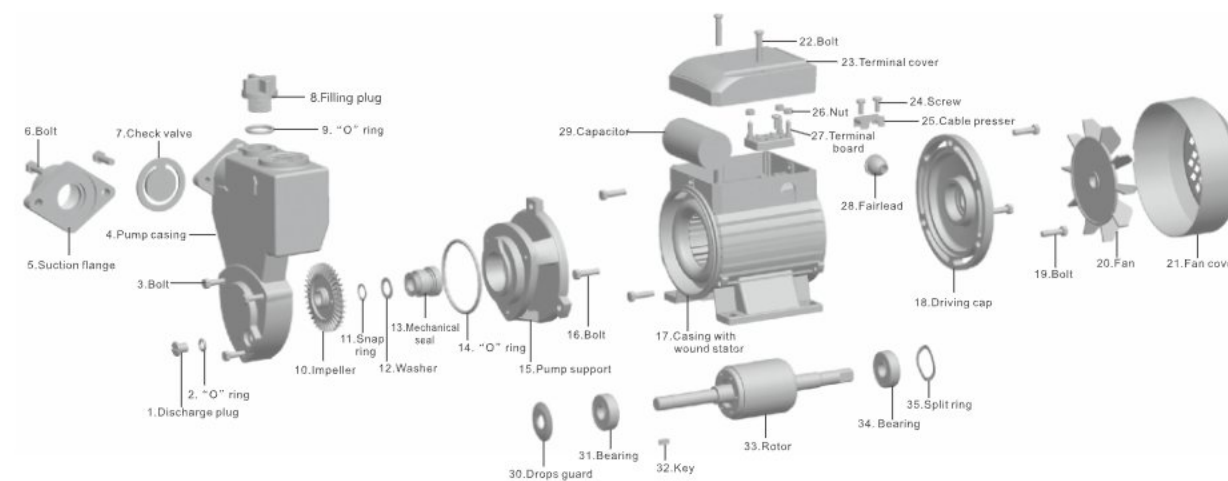
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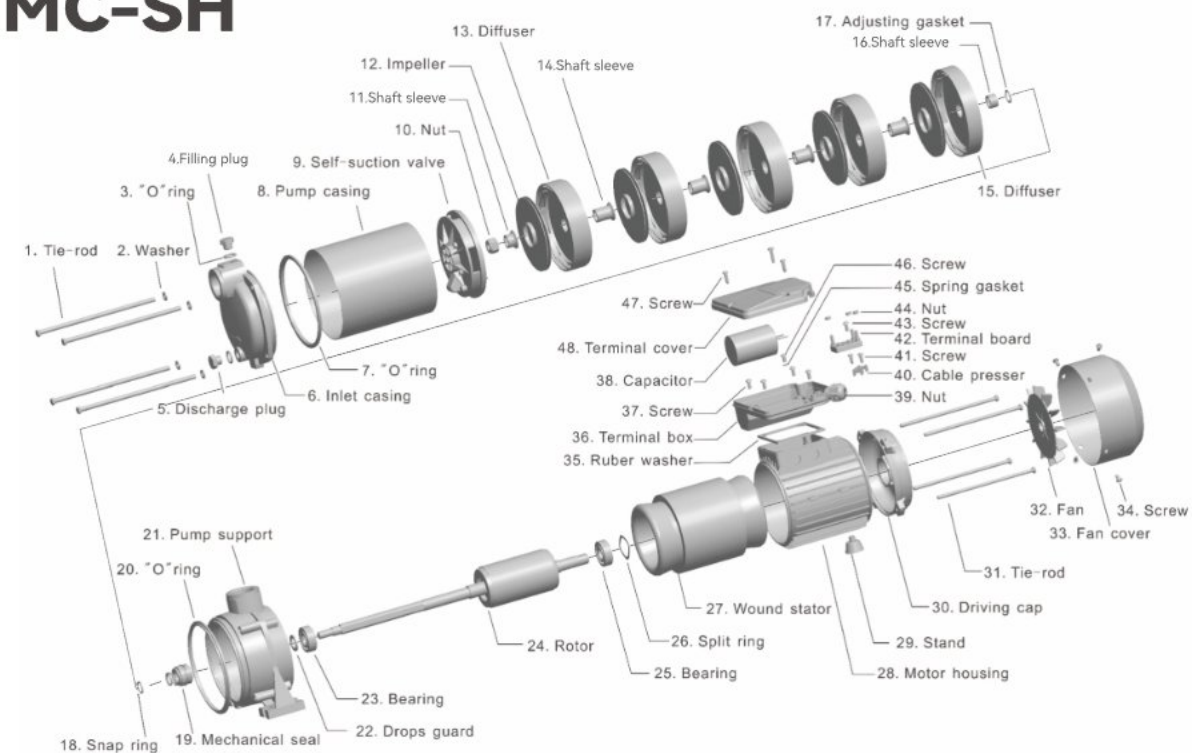
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EXPLODE DRAWING

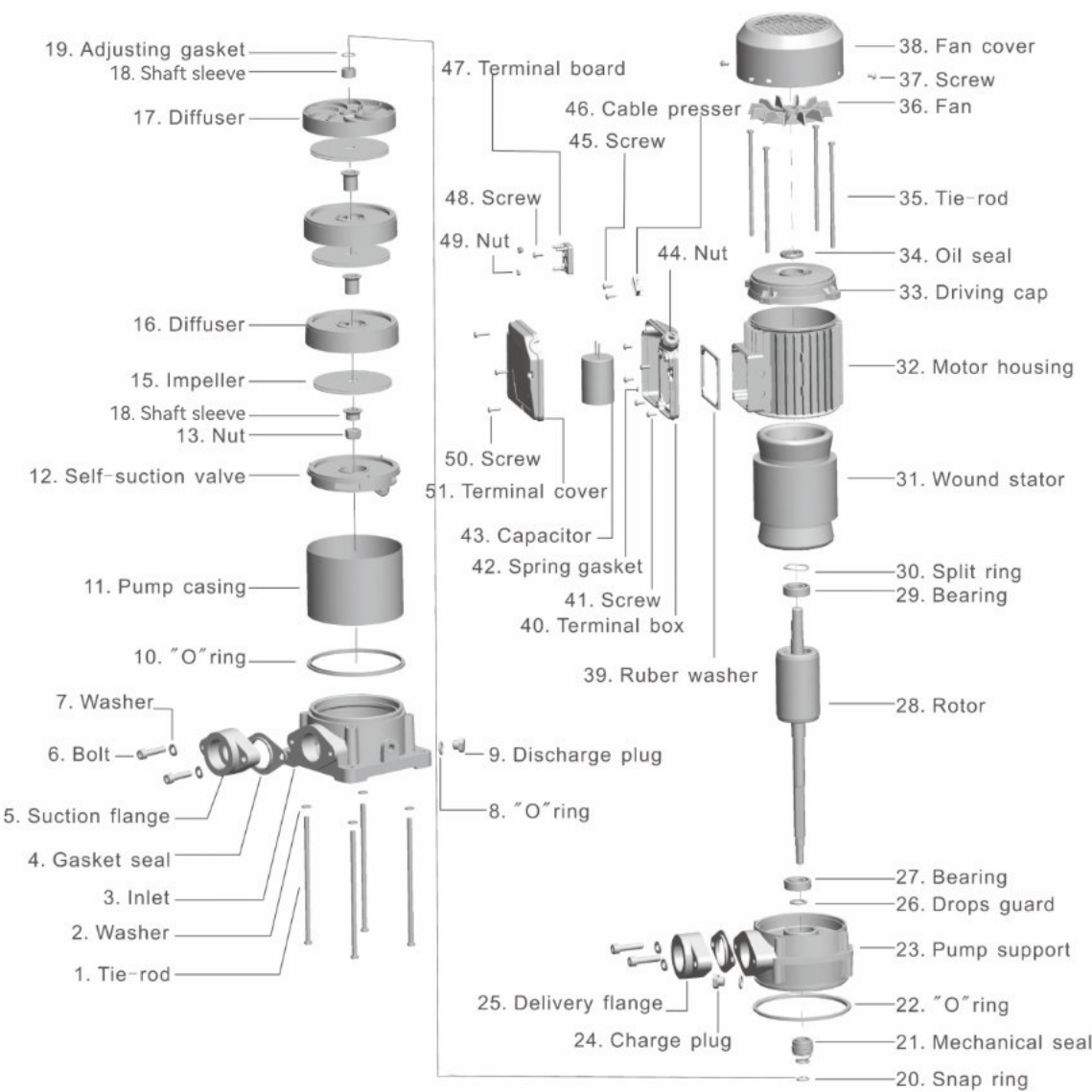
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HMC-SH



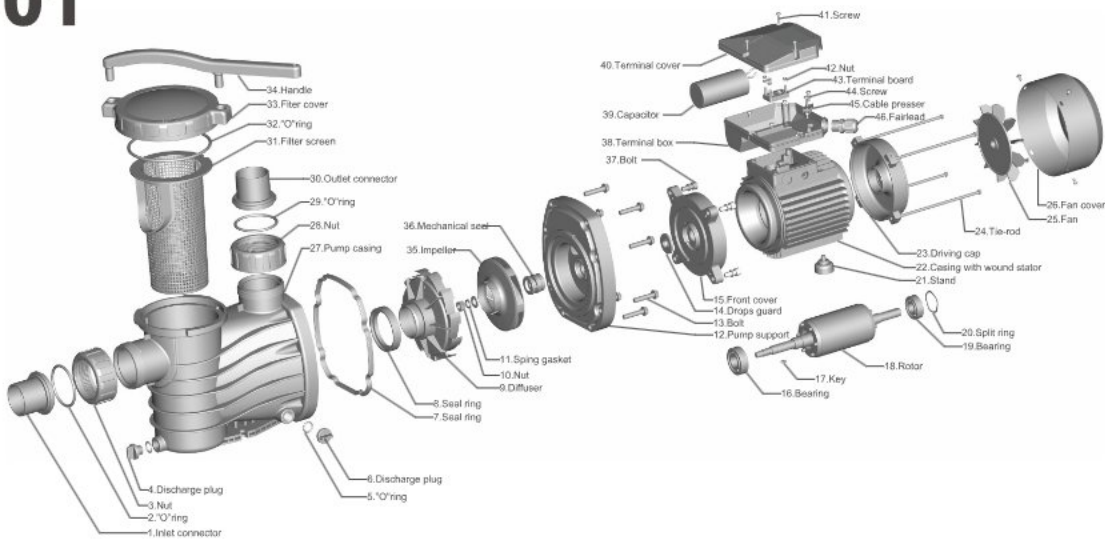
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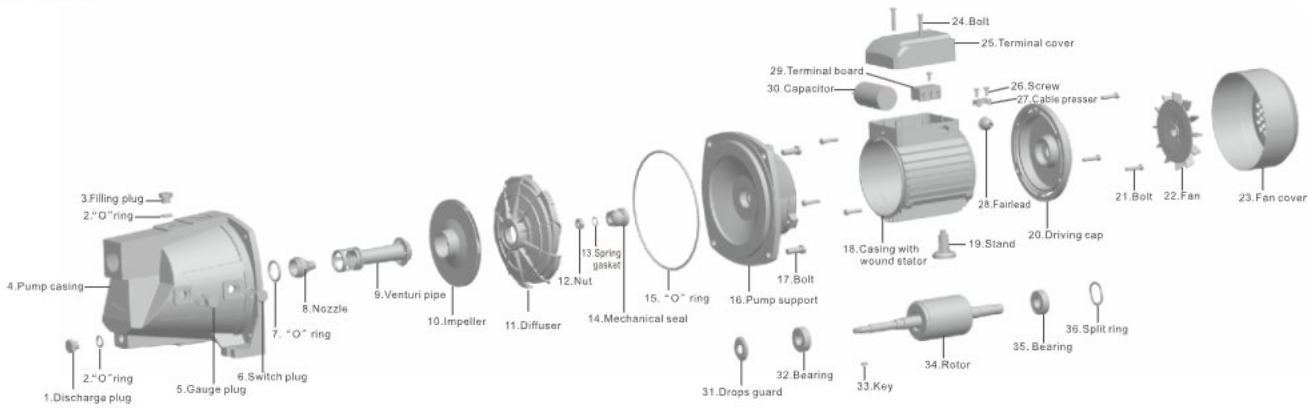


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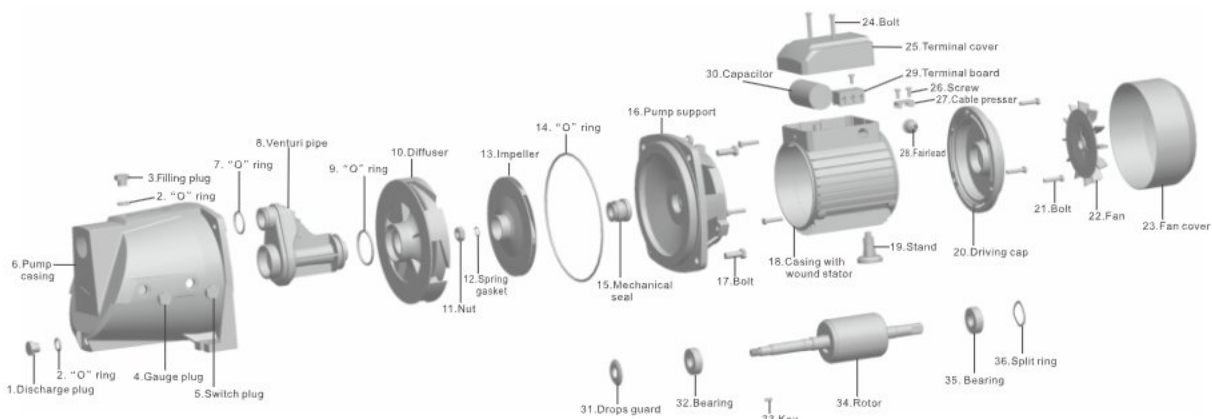
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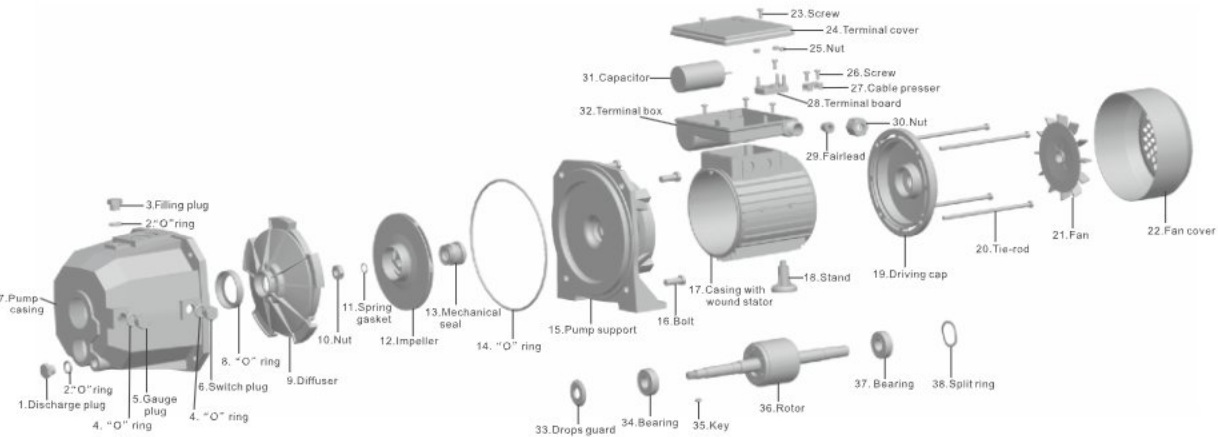


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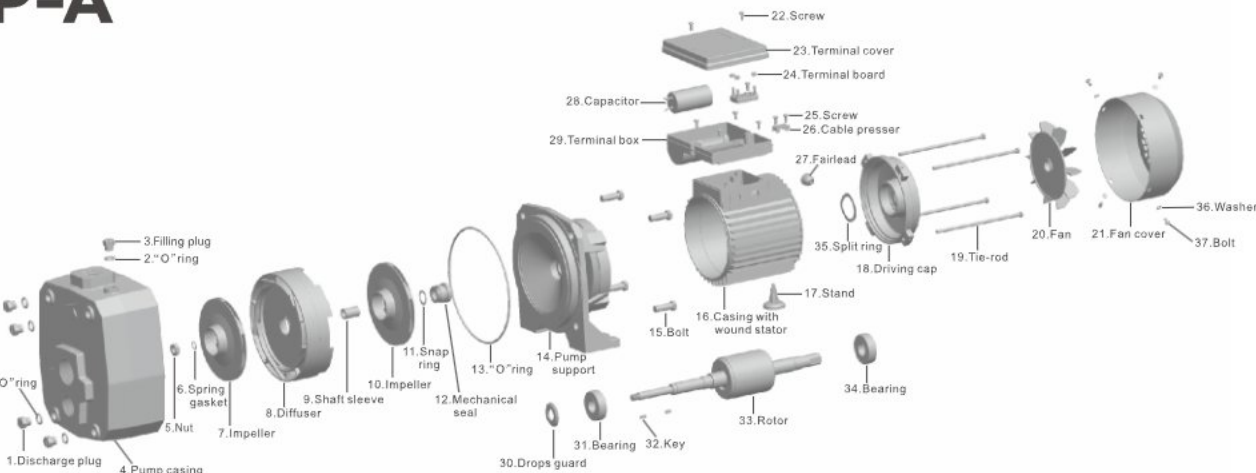


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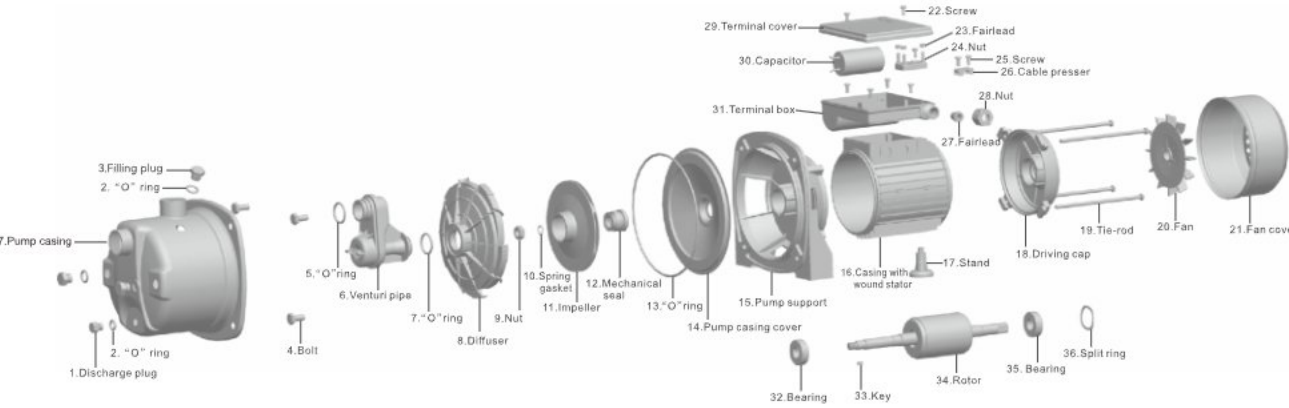
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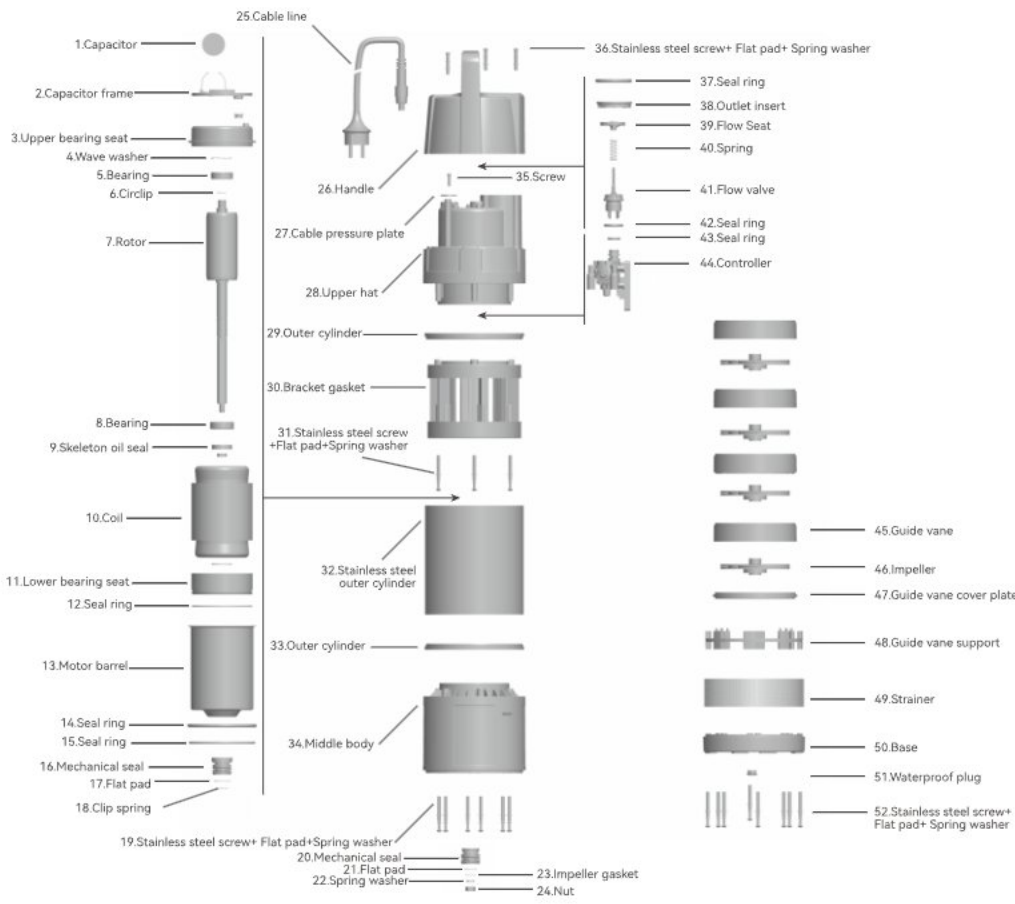


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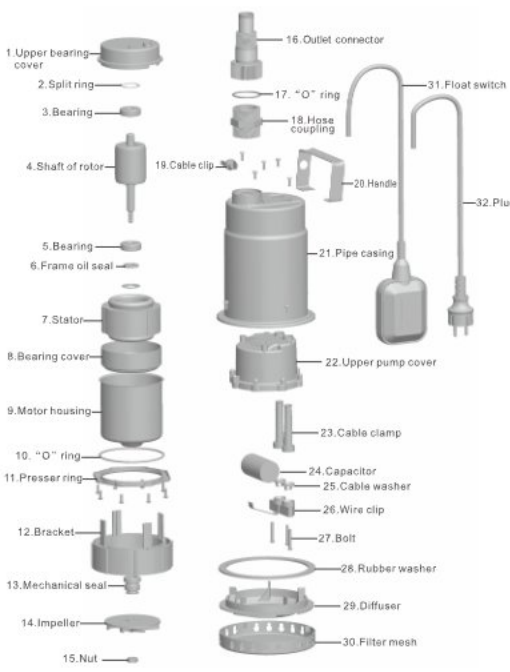


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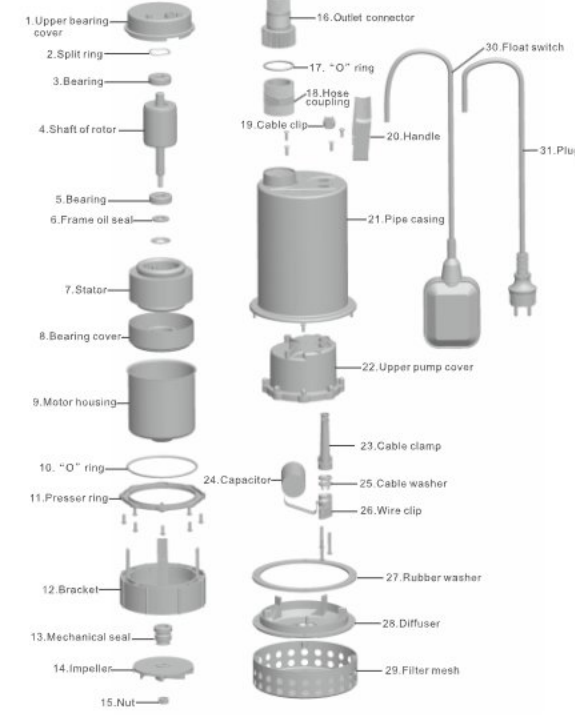
QDP-SE



QDS-C

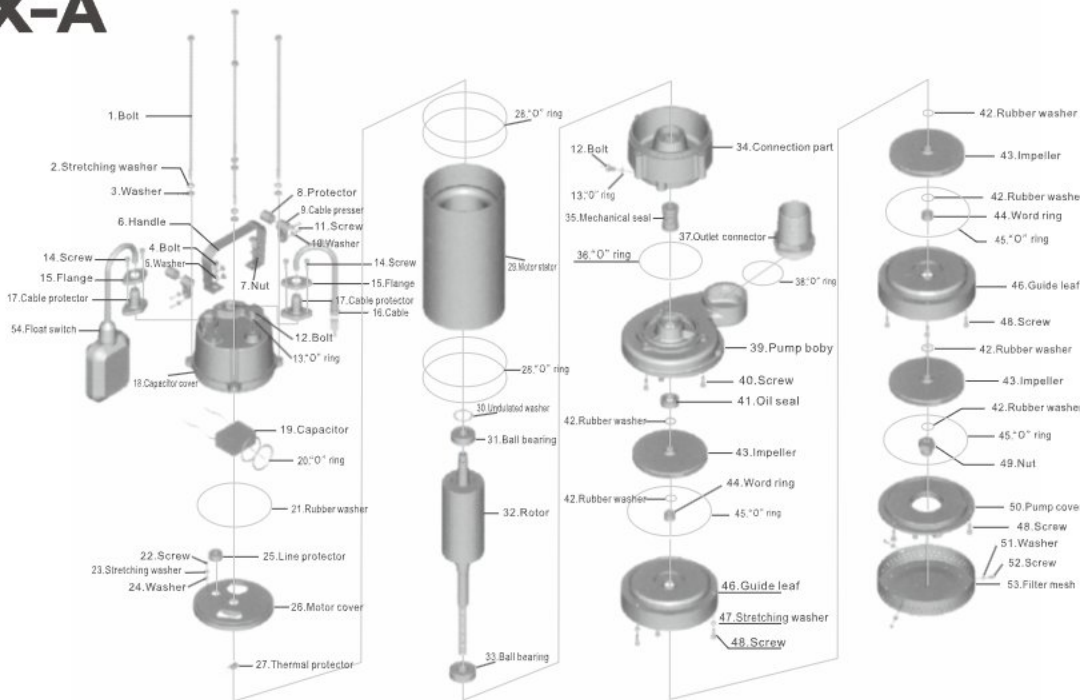


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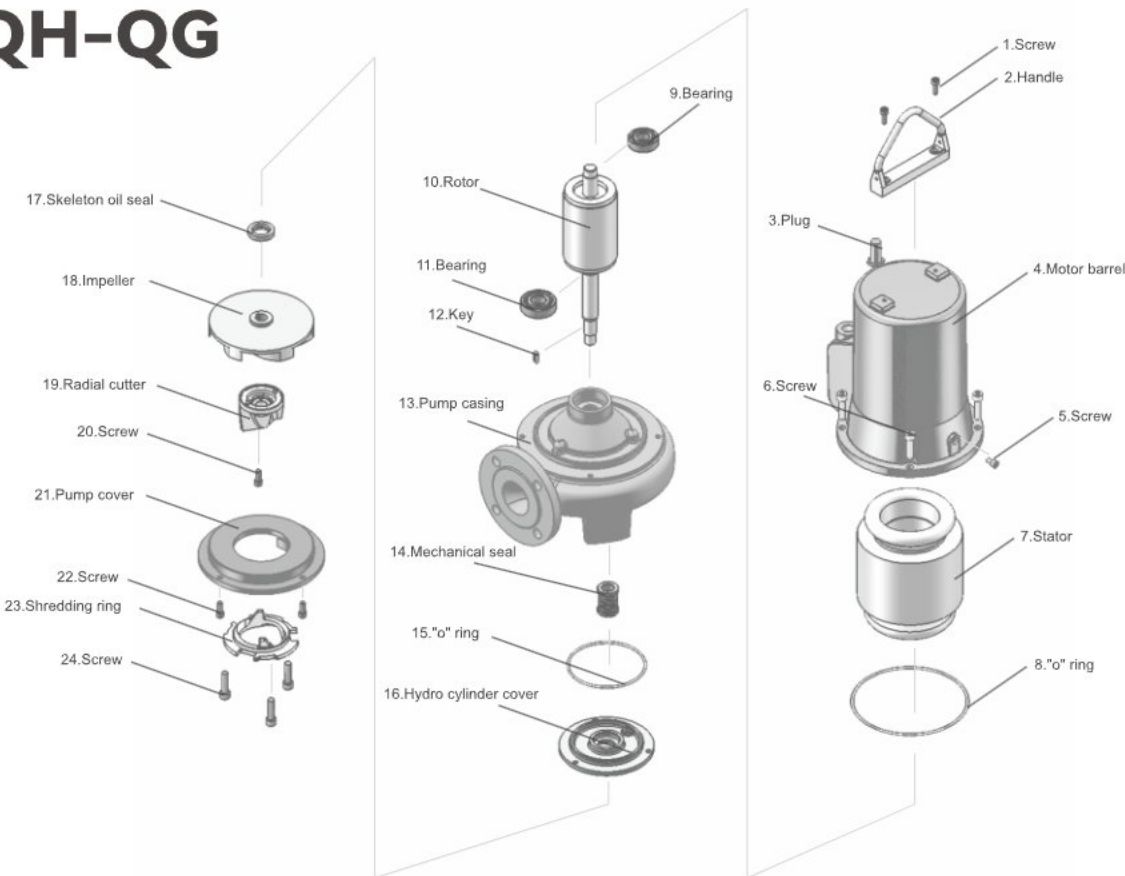


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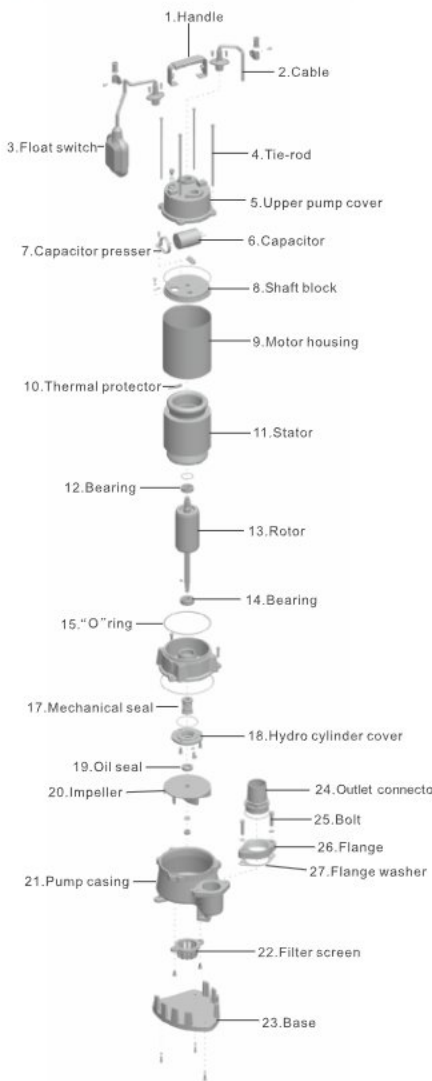


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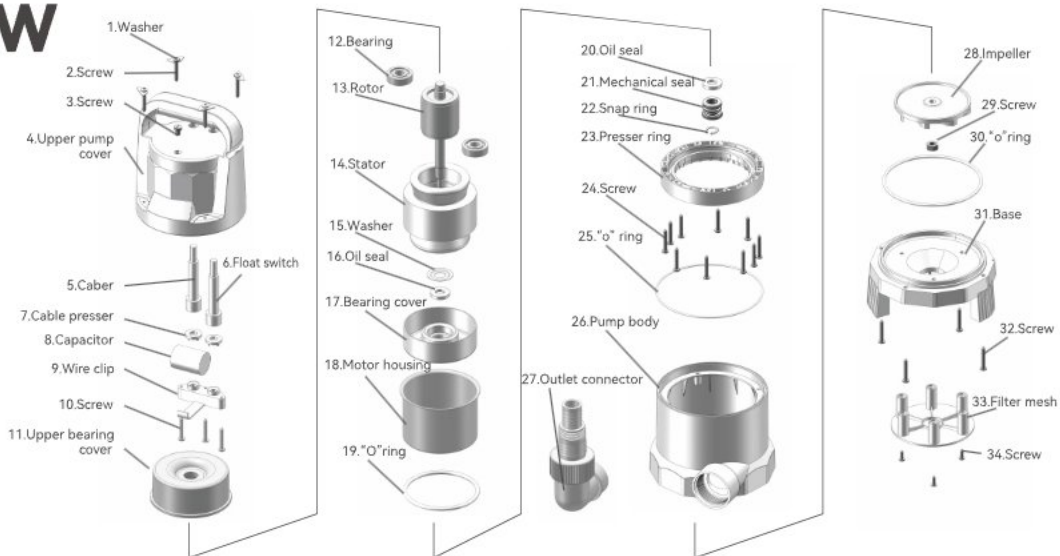


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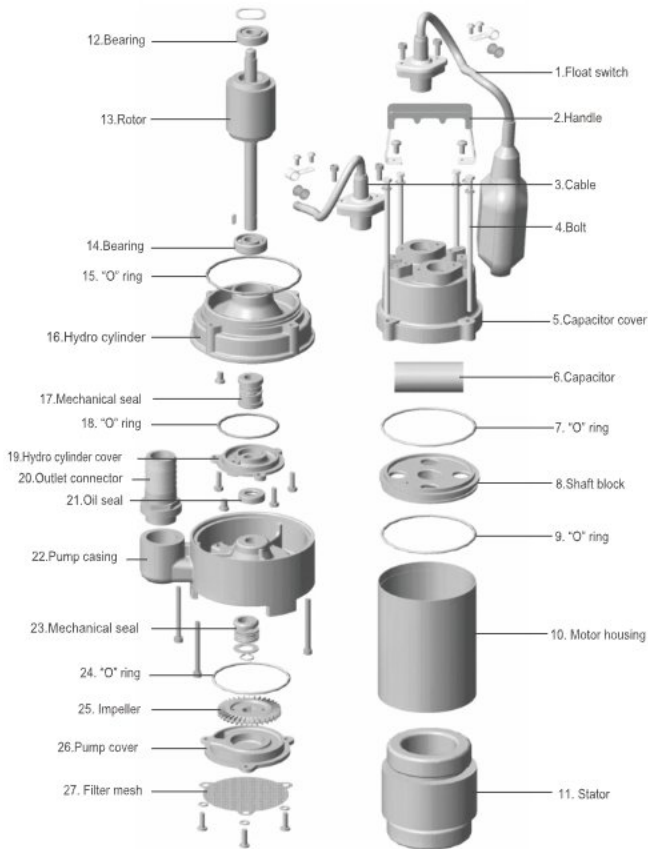
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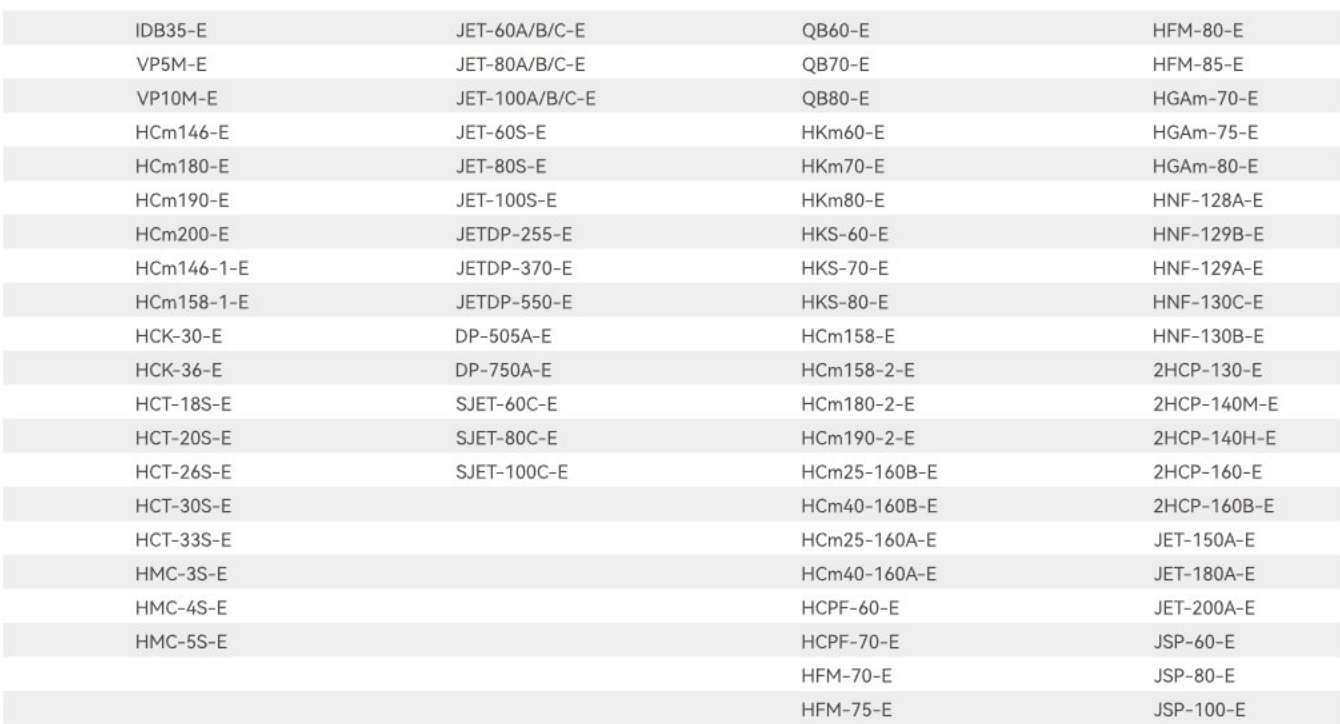
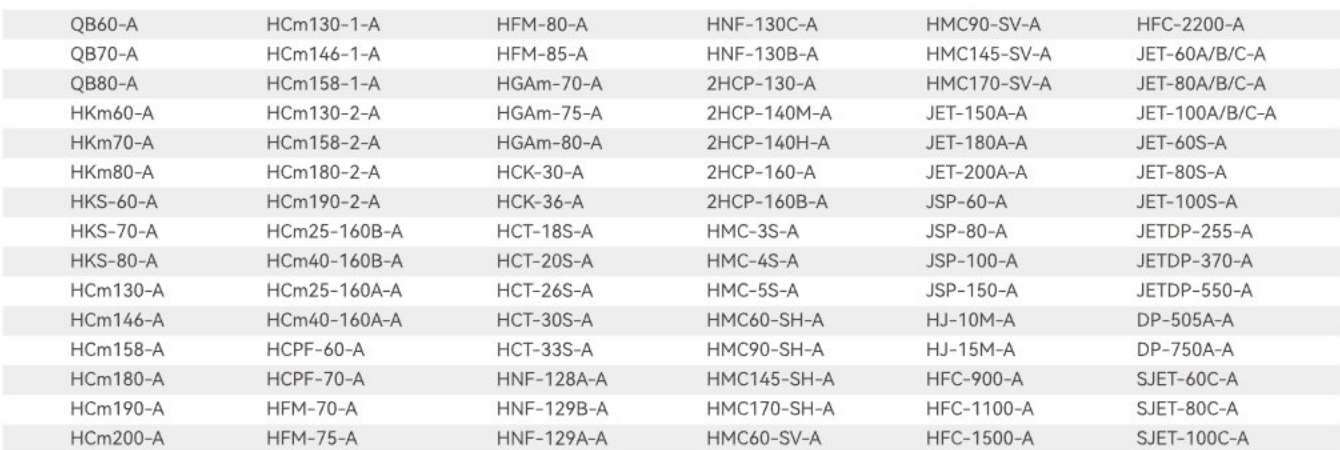


QDP-AW



QKM370-A





TVT / NVT / WVT



TVT(36L-100L)
(Pressure Gauge Upon Request)



With gauge for reference

Specification

- ※ Replaceable membrane expansion tank carbon steel
- ※ Working temperature:
 - ※ Butyl: -10°C/99°C
 - ※ Epdm: -10°C/99°C
 - ※ Natural rubber: 0°C/77°C

MODEL	MAX.Pressure (bar)	Diameter (mm)	Height (mm)	Connector	Precharge pressure(bar)	Packing (cbm)
TVT-36L	6/8/10	350	600	1"	1.8-2.0	0.0723
TVT-50L	6/8/10	350	710	1"	1.8-2.0	0.0868
TVT-60L	6/8/10/16	380	800	1"	1.8-2.0	0.1316
TVT-80L	6/8/10/16	450	750	1"	1.8-2.0	0.1539
TVT-100L	6/8/10/16	450	835	1"	1.8-2.0	0.1701



NVT(60L-100L)
(Pressure Gauge Upon Request)



WVT(60L-500L)
(Pressure Gauge Upon Request)

Specification

- ※ Replaceable membrane expansion tanks carbon steel
- ※ Working temperature:
 - ※ Butyl: -10°C/ 99°C
 - ※ Epdm: -10°C/99°C

MODEL	MAX.Pressure (bar)	Diameter (mm)	Height (mm)	Connector	Precharge pressure(bar)	Packing (cbm)
NVT-60L	6/8/10/16	380	728	1"	1.8-2.0	0.1126
NVT-80L	6/8/10/16	450	685	1"	1.8-2.0	0.1481
NVT-100L	6/8/10/16	450	765	1"	1.8-2.0	0.1650
WVT-60L	6/8/10/16	380	835	1"	1.8-2.0	0.1381
WVT-80L	6/8/10/16	450	785	1"	1.8-2.0	0.1600
WVT-100L	6/8/10/16	450	870	1"	1.8-2.0	0.1782
WVT-150L	10/16	500	1135	1"	2.5/4.0	0.3022
WVT-200L	10/16	628	1080	1½"	2.5/4.0	0.4682
WVT-300L	10/16	628	1360	1½"	2.5/4.0	0.5831
WVT- 500L	10/16	790	1465	1½"	2.5/4.0	0.9344

VT / SF / RT / CF



VT(3L-50L)

Specification

- ※ Replaceable membrane expansion tanks carbon steel
- ※ Working temperature:
 - ※ Butyl: -10°C/ 99°C
 - ※ Epdm: -10°C/99°C
 - ※ Natural rubber: 0°C/ 77°C

MODEL	MAX.Pressure (bar)	Diameter (mm)	Height (mm)	Connector	Precharge pressure(bar)	Packing (cbm)
VT-3L	6/8/10	170	235	1"	1.8-2.0	0.0081
VT-4L	6/8/10	155	302	1"	1.8-2.0	0.0077
VT-5L	6/8/10	170	275	1"	1.8-2.0	0.0086
VT-8L	6/8/10	200	328	1"	1.8-2.0	0.0092
VT-12L	6/8/10/16	270	305	1"	1.8-2.0	0.0233
VT-19L	6/8/10/16	270	395	1"	1.8-2.0	0.0321
VT-24L	6/8/10/16	270	460	1"	1.8-2.0	0.0361
VT-36L	6/8/10	350	437	1"	1.8-2.0	0.0535
VT-50L	6/8/10	350	547	1"	1.8-2.0	0.0670



SF(24L-26L)



RT(24L)

Specification

- ※ Replaceable membrane expansion tanks carbon steel
- ※ Working temperature:
 - ※ Butyl: -10°C/ 99°C
 - ※ Epdm: -10°C/99°C
 - ※ Natural rubber: 0°C/ 77°C

MODEL	MAX.Pressure (bar)	Diameter (mm)	Height (mm)	Connector	Precharge pressure(bar)	Packing (cbm)
SF-24L	6/8	330	325	1"	1.8-2.0	0.0405
SF-25L	6/8	350	325	1"	1.8-2.0	0.0441
SF-26L	6/8	360	365	1"	1.8-2.0	0.0520
RT-24L	6/8	350	390	1"	1.8-2.0	0.0525



CF(19-100L)

Specification

- ※ Replaceable membrane expansion tanks carbon steel
- ※ Working temperature:
 - ※ Butyl: -10°C/ 99°C
 - ※ Epdm: -10°C/99°C
 - ※ Natural rubber: 0°C/ 77°C

MODEL	MAX.Pressure (bar)	Diameter (mm)	Height (mm)	Connector	Precharge pressure(bar)	Packing (cbm)
CF-19L	6/8/10/16	395	292	1"	1.8-2.0	0.0356
CF-24L	6/8/10/16	460	292	1"	1.8-2.0	0.0399
CF-36L	6/8/10	435	375	1"	1.8-2.0	0.0588
CF-50L	6/8/10	545	375	1"	1.8-2.0	0.0752
CF-60L	6/8/10/16	645	408	1"	1.8-2.0	0.1082
CF-80L	6/8/10/16	600	470	1"	1.8-2.0	0.1325
CF-100L	6/8/10/16	685	470	1"	1.8-2.0	0.1524

VT / SCF / SRT



VT2-2

VT2-3

Specification

- ※ MAX. Work pressure:3.5bar
- ※ Working temperature:
- ※ Epdm: -10°C/ 99°C
- ※ Natural rubber : 0°C/ 77°C
- ※ Precharge:1.5bar

MODEL	MAX. Pressure (bar)	Diameter (mm)	Height (mm)	Connector	Precharge pressure(bar)	Packing (cbm)
VT2-2	3.5	110	222	1/2"	1.5	0.0625/ 20PCS
VT2-3	3.5	106/116	192	1/2"	1.5	0.0520/ 20PCS



SRT(24L)

Specification

- ※ Replaceable membrane pressure tanks stainless steel
- ※ Working temperature:
- ※ Butyl: -10°C/ 99°C
- ※ Epdm: -10°C/99°C
- ※ Natural rubber: 0°C/ 77°C

MODEL	MAX. Pressure (bar)	Diameter (mm)	Height (mm)	Connector	Precharge pressure(bar)	Packing (cbm)
SRT-24L	6/8	350	390	1"	1.8-2.0	0.0447



SCF(19L-100L)

MODEL	MAX. Pressure (bar)	Diameter (mm)	Height (mm)	Connector	Precharge pressure(bar)	Packing (cbm)
SCF-19L	6/8/10	395	292	1"	1.8-2.0	0.0356
SCF-24L	6/8/10	460	292	1"	1.8-2.0	0.0399
SCF-36L	6/8/10	435	375	1"	1.8-2.0	0.0588
SCF-50L	6/8/10	545	375	1"	1.8-2.0	0.0752
SCF-60L	6/8/10	645	408	1"	1.8-2.0	0.1082
SCF-80L	6/8/10	600	470	1"	1.8-2.0	0.1325
SCF-100L	6/8/10	685	470	1"	1.8-2.0	0.1524

SVT / STVT



SVT(3L-24L)

STVT(36L-500L)
(Pressure Gauge Upon Request)

Specification

- ※ Replaceable membrane pressure tanks stainless steel
- ※ Working temperature:
- ※ Butyl: -10°C/ 99°C
- ※ Epdm: -10°C/99°C
- ※ Natural rubber: 0°C/ 77°C

MODEL	MAX. Pressure (bar)	Diameter (mm)	Height (mm)	Connector	Precharge pressure(bar)	Packing (cbm)
SVT-3L	6/8/10	170	235	1"	1.8-2.0	0.0081
SVT-5L	6/8/10	170	275	1"	1.8-2.0	0.0088
SVT-8L	6/8/10	200	328	1"	1.8-2.0	0.0140
SVT-19L	6/8/10	270	395	1"	1.8-2.0	0.0321
SVT-24L	6/8/10	270	460	1"	1.8-2.0	0.0361
STVT-36L	6/8/10	350	600	1"	1.8-2.0	0.0723
STVT-50L	6/8/10	350	710	1"	1.8-2.0	0.0870
STVT-60L	6/8/10	380	805	1"	1.8-2.0	0.1316
STVT-80L	6/8/10	450	750	1"	1.8-2.0	0.1539
STVT-100L	6/8/10	450	835	1"	1.8-2.0	0.1701



Stainless Steel Check Valve



Axial Pressure Gauge

Radial Pressure Gauge



Flexible Hose

MODEL	Description
3 ways	YT-A1001: Length 70mm N.W. 170g YT-A1005: Length 80mm N.W. 180g
5 ways	YT-A1003: Length 70mm N.W. 150-170g YT-A1007: Length 80mm N.W. 190g YT-A1008: Length 90mm N.W. 170-200-245g YT-A1009: Length 110mm N.W. 220-260g
Check Valve	Material: Brass / Stainless Steel Size: 1", 1-1/4", 1-1/2", 2"
Pressure Gauge	Range: 0-10bar/0-16bar/0-25bar Diameter:50mm Connector:1/4"
Flexible hose	Length: 50cm/60cm/80cm/100cm Special length upon request Connect size: 1/2", 3/4", 1", with elbow, Male-Female



EPC-1

EPC-1			
Rated Voltage	220-240V	110-120V	110-240V
Power Frequency	50/60Hz	50/60Hz	50/60Hz
Max Power	1.1kW/1.5kW	0.55kW	0.55kW/1.1kW
Starting Pressure Setting	1.2bar,1.5bar,2.2bar	1.2bar,1.5bar,2.2bar	1.2bar,1.5bar,2.2bar
Max Working Pressure	10bar	10bar	10bar
Connection Thread	G1",G1 1/4",G1 1/2",NPT1"	G1",G1 1/4",G1 1/2",NPT1"	G1",G1 1/4",G1 1/2",NPT1"
Protection Rating	IP65	IP65	IP65
Max Working Temperature	55°C	55°C	55°C

OPTIONALS:

- ※ Startng perssure is adjustable during installaton, adjustment rangge:1.2bar-3.0bar.
- ※ Color: as customer require.
- ※ Power cable length can choose according to customers' needs.
- ※ Three types appearances for EPC-2
- ※ (a) type: no adjustment
- ※ (b) & (c) types: adjustable 1.2 - 3.0bar



EPC-2

EPC-2			
Rated Voltage	220-240V	110-120V	110-240V
Power Frequency	50/60Hz	50/60Hz	50/60Hz
Max Power	1.1kW	0.55kW	0.55kW/1.1kW
Starting Pressure Setting	1.2bar,1.5bar,2.2bar	1.2bar,1.5bar,2.2bar	1.2bar,1.5bar,2.2bar
Max Working Pressure	10bar	10bar	10bar
Connection Thread	R1"	R1"	R1"
Protection Rating	IP65	IP65	IP65
Max Working Temperature	55°C	55°C	55°C



EPC-3

EPC-3			
Rated Voltage	220-240V	110-120V	110- 240V
Power Frequency	50/60Hz	50/60Hz	50/60Hz
Max Power	1.1 kW/1.5kW	0.55kW/0.75kW	0.55kW/1.1kW
Starting Pressure Setting	1.2bar,1.5bar,2.2bar	1.2bar,1.5bar,2.2bar	1.2bar,1.5bar,2.2bar
Max Working Pressure	10bar	10bar	10bar
Connection Thread	G1"	G1"	G1"
Protection Rating	IP65	IP65	IP65
Max Working Temperature	55°C	55°C	55°C



EPC-3P

EPC-3P			
Rated Voltage	220-240V	110-120V	110- 240V
Power Frequency	50/60Hz	50/60Hz	50/60Hz
Max Power	1.1kW/1.5kW	0.55kW/0.75kW	0.55kW/1.1kW
Starting Pressure Setting	1.2bar,1.5bar,2.2bar	1.2bar,1.5bar,2.2bar	1.2bar,1.5bar ,2.2bar
Max Working Pressure	10bar	10bar	10bar
Connection Thread	G1"	G1"	G1"
Protection Rating	IP65	IP65	IP65
Max Working Temperature	55°C	55°C	55°C

OPTIONALS:

- ※ Startng perssure is adjustable during installaton, adjustment range:1.2bar-2.5bar.
- ※ Color: as customer require.
- ※ G1"plastic pipe joint for a quick connection to water pump.
- ※ Power cable length can choose according to customers' needs.



EPC-5

EPC-5			
Rated Voltage	220-240V	110-120V	110-240V
Power Frequency	50/60Hz	50/60Hz	50/60Hz
Max Power	1.1 kW	0.55kW	0.55kW/1.1kW
Starting Pressure Setting	1.2bar,1.5bar ,2.2bar	1.2bar,1.5bar ,2.2bar	1.2bar,1.5bar 2.2bar
Max Working Pressure	10bar	10bar	10bar
Connection Thread	G1"	G1"	G1"
Protection Rating	IP65	IP65	IP65
Max Working Temperature	55°C	55°C	55°C



EPC-5.1

EPC-5.1			
Rated Voltage	220-240V	110-120V	110-240V
Power Frequency	50/60Hz	50/60Hz	50/60Hz
Max Power	1.1kW	0.55kW	0.55kW/1.1kW
Starting Pressure Setting	1.2bar,1.5bar,2.2bar	1.2bar,1.5bar ,2.2bar	1.2bar,1.5bar,2.2bar
Max Working Pressure	10bar	10bar	10bar
Connection Thread	G1"	G1"	G1"
Protection Rating	IP44	IP44	IP44
Max Working Temperature	55°C	55°C	55°C

EPC



EPC-7

EPC-7

Rated Voltage	220-240V	110-120V	380V
Power Frequency	50/60Hz	50/60Hz	50/60Hz
Max Power	2.2kW	1.1kW	4.0kW
Starting Pressure Setting	1.2bar,1.5bar,2.2bar	1.2bar,1.5bar,2.2bar	1.2bar,1.5bar,2.2bar
Max Working Pressure	10bar	10bar	10bar
Connection Thread	G1",G1 1/4",G1 1/2"	G1",G1 1/4",G1 1/2"	G1 1/2"
Protection Rating	IP65	IP65	IP65
Max Working Temperature	55°C	55°C	55°C



EPC-11A

EPC-11A

Rated Voltage	220-240V	110-120V	110-240V
Power Frequency	50/60Hz	50/60Hz	50/60Hz
Max Power	1.1kW	0.55kW	0.55kW/1.1kW
Starting Pressure Setting	1.2bar,1.5bar,2.2bar	1.2bar,1.5bar,2.2bar	1.2bar,1.5bar,2.2bar
Max Working Pressure	10bar	10bar	10bar
Connection Thread	G1"	G1"	G1"
Protection Rating	IP54	IP54	IP54
Max Working Temperature	55°C	55°C	55°C



EPC-12/12P

EPC-12/12P

Rated Voltage	110-240V	110-240V
Power Frequency	50/60Hz	50/60Hz
Max Power	1.1 kW/2.2kW	1.1kW/2.2kW
Starting Pressure Setting	0.5-6.7bar	0.5-6.7bar
Max Working Pressure	8bar	9.5bar
Connection Thread	G1"	G1"
Protection Rating	IP65	IP65
Max Working Temperature	60°C	60°C

EPC /KRS



EPC-15

ADVANTAGES:

- ※ New design, Three-In-One
- ※ Mode 1: Pressure (Mainly used for no water tower's water supply)
- ※ Mode 2: Time (Mainly used for filling up the water tower on the set tme (0.5h, 6h, 24h), according to the amount of water consumed)
- ※ Mode 3: Flow (Mainly used for water tower pressurizatn)

EPC-15

Rated Voltage	220-240V	110-120V
Power Frequency	50/60Hz	50/60Hz
Max Power	1.1kW	0.55kW
Starting Pressure Setting	1.2bar,1.5bar,2.2bar	1.2bar,1.5bar,2.2bar
Max Working Pressure	10bar	10bar
Connection Thread	G1"	G1"
Protection Rating	IP65	IP65
Max Working Temperature	60°C	60°C



2.1



2.2



2.3



2.4



2.6



KRS-2

DESCRIPTIONS:

- ※ Pressure switch used in water systems. .
- ※ The switch starts and stops the water pump automatcally according to the setting pressure.
- ※ Hydraulics connecton can choose:1/4" & 3/8" Female.
- ※ Customized setting.

OPTIONALS:

- ※ Hydraulics connecton according to customers needs.
- ※ Pressure setting according to customers needs.

KRS-2

Rated Voltage	110- 240V
Power Frequency	50/60Hz
Rated Current	10(4)A
Min.cut-in	0.5bar
Max. cut-out	3.5bar
Pressure Range	1.0-1.8bar/2.2-3.0bar etc.
Bases	Zin Alloy Plastic
Contacts	Double Singe
Screw Type	Female Male
Screw Size	1/4",3/8" 1/4",3/8"
Protection Rating	IP20
Max Working Temperature	55°C



KRS-3

DESCRIPTIONS:

- ※ pressure switch used in water systems. .
- ※ The switch starts and stops the water pump automaticly according to the setting pressure.
- ※ Hydraulics connecton can choose:1/4" & 3/8" Female.
- ※ Customized setting.

OPTIONALS:

- ※ Hydraulics connecton according to customers needs.
- ※ Pressure setting according to customers needs.



KRS-3

Rated Voltage	110-240V	
Power Frequency	50/60Hz	
Rated Current	12A	
Min.cut-in	20PSI	
Max.cut-out	100PSI	
Pressure Range	20-40PSI,30- 50PSI,40-60PSI,50-70PSI	
Flange	Steel,Plastic	
Screw Type	Female	Male
Screw Size	Fix Nut:1/4" 3/8" Rotary:1/4" 3/8"	1/4"
Protection Rating	IP20	
Max Working Temperature	55°C	



KRS-5

DESCRIPTIONS:

- ※ pressure switch used in water systems. .
- ※ The switch starts and stops the water pump automaticly according to the setting pressure.
- ※ Hydraulics connecton can choose:1/4" & 3/8" Female.
- ※ Customized setting.

OPTIONALS:

- ※ Hydraulics connecton according to customers needs.
- ※ Pressure setting according to customers needs.



KRS-5

Rated Voltage	110-240V/400V	
Power Frequency	50/60Hz	
Rated Current	16(8)A	
Min.cut-in	15PSI	
Max.cut-out	100PSI	
Pressure Range	20-40PSI,30- 50PSI, 40-60PSI	
Cover Color	Black	
Screw Type	Female	Male
Screw Size	1/4" 3/8"	1/4"
Protection Rating	IP44	
Max Working Temperature	55°C	

MODEL	BOX SIZE	CARTON SIZE	QUANTITY	N.W/G.W
EPC-1	22.7*16.8*17.9CM	53*47.5*38CM	12PCS/CTN	16.5/18.5KGS
EPC-2	15.2*10.1*23.2CM	47*43*25CM	12PCS/CTN	15/17KGS
EPC-3/3P	24.8*13.8* 13CM	52*44*28CM	12PCS/CTN	12/15KGS
EPC-5	14.5*15.2*18.6CM	61*47.5*21CM	12PCS/CTN	13/15.5KGS
EPC-5.1	14.5*15.2*21.7CM	60.5*47.5*23CM	12PCS/CTN	13/15.5KGS
EPC-7	27.2*17.9*22.5CM	56.5*38*48CM	8PCS/CTN	8/10KGS
EPC-11A	14.3*14.3*16CM	45* 45*34CM	18PCS/CTN	10.5/12KGS
EPC-12/12P	16*17*17.5CM	49.5*35.5*37CM	12PCS/CTN	11/13.5KGS
EPC-15	14.5*15.2*18.6CM	61*47.5*21CM	12PCS/CTN	13/1 5.5KGS
KRS-2	4.9*4.9*8.5CM	52*26.5*19 CM	100PCS/CTN	17/19KGS
KRS-3	9.9*7*9.9CM	51*37*21CM	50PCS/CTN	16.5/18.5KGS
KRS-5(female)	10.5*6.7*10.5CM	54*34*23CM	50PCS/CTN	19/21KGS
KRS-5(male)	10.5*6.7*12.5CM	54*26.5*35CM	50PCS/CTN	19.5/22KGS



HX-03



HX-04



HX-PLASTIC-01