CLEVIER

COMMERCIAL REFRIGERATION EQUIPMENT

PRODUCT CATALOG 2026

Air Coolers • Condensers • Condensing Units
Air Curtains • Complete Cold Room Solutions

Cold Room Air Cooler

Condensing Unit

Air-Cooled Condenser

Clevier Refrigeration Tech. (Jiangsu) Co., Ltd.

01 · COMPANY

Integrated Refrigeration Solutions, Project by Project

Equipment supply, system matching and project-specific configuration for commercial and industrial cold storage applications.

Clevier Refrigeration Tech. (Jiangsu) Co., Ltd.

Clevier supplies refrigeration equipment and matched cold room systems for food processing, cold-chain logistics, supermarkets, restaurants, agriculture, pharmaceuticals and industrial temperature-control projects.

CORE CAPABILITIES

- Complete cold room matching: insulated enclosure, door, condensing unit, air cooler and control system
- Standalone equipment supply for replacement, expansion and OEM/ODM projects
- Model selection based on room size, target temperature, product load and ambient conditions
- Project documentation, export packing and configuration confirmation before production

PROJECT CONFIGURATION

Each published model represents a configurable equipment platform. Final capacity, refrigerant, voltage, defrost method and control logic are confirmed for the actual project duty.

COMPLETE COLD ROOM SOLUTIONS

Custom dimensions • Custom temperature • Matched refrigeration equipment

02 · PORTFOLIO

One Supplier, Five Core Product Groups

This catalog combines complete model tables with practical guidance for preliminary product selection.

01

Cold Room Air Coolers

DL / DD / DJ and dual-discharge ceiling series

02

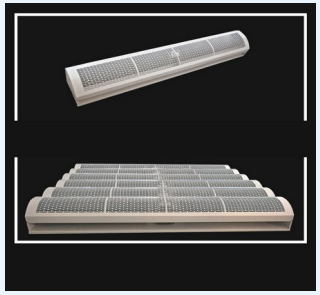
Air-Cooled Condensers

H-type, V-type and U-type configurations

03

Condensing Units

Open, box-type and project-specific assemblies



04

Air Curtains

Cross-flow and centrifugal configurations

05

Cold Room Systems

Panels, doors, controls and equipment matching

PROJECT DATA REQUIRED FOR FINAL SELECTION

Room dimensions	Target temperature	Stored product & load	Ambient temperature	Power supply	Preferred refrigerant

03 · AIR COOLERS

Cold Room Air Cooler Series

High-efficiency finned heat exchangers with axial fans, configurable defrost and multiple fin spacings for medium- and low-temperature rooms.

SERIES POSITIONING

Series	Typical room duty	Fin spacing	Catalog range
DL	Medium temperature / cooler	4.5 mm	2.10–83.40 kW
DD	Frozen storage around −18°C	6 mm	1.40–56.20 kW
DJ	Low temperature / quick-freezing duty	9 mm	1.32–35.90 kW

STANDARD CONFIGURATION

- Copper tube / aluminum fin heat exchanger
- 380 V fan motors; electric defrost heaters shown separately in the model tables
- Factory options for R22, R404A and R507; confirm compliance with local refrigerant regulations
- Water-defrost configuration available on request

HOW TO READ THE TABLES

1 Capacity
Values are presented in kW and converted directly from the leading factory ratings in W.

2 Fan data
Entries such as 3×6800 mean fan quantity × airflow per fan; motor power follows the same convention.

3 Defrost
Fin heater / drain-pan heater ratings are shown in kW. Heater supply is 220 V in these standard tables.

04 · AIR COOLERS · DD

DD Series · Freezer Air Coolers

Reference duty: room temperature −18°C, ΔT 7 K. Final equipment selection must be checked against the actual refrigeration load and operating conditions.

Model	Capacity (kW)	Area (m²)	Fin spacing (mm)	Fans Qty×Ø mm	Air volume (m³/h)	Motor power (W)	Fan supply (V)	Defrost kW Fin / drain	Weight (kg)
DD-1.4/8	1.4	8	6	1×300	1×1680	1×108	380	0.6 / 0.6	27
DD-2.35/12	2.35	12	6	2×300	2×1680	2×108	380	0.9 / 0.9	40
DD-3.0/15	3	15	6	2×300	2×1680	2×108	380	1.0 / 1.0	46
DD-4.0/22	4	21.5	6	2×350	2×2850	2×164	380	2.6 / 1.3	55
DD-6.0/30	6	30	6	2×400	2×3750	2×216	380	2.8 / 1.4	70
DD-8.0/40	8	40	6	2×400	2×3750	2×216	380	3.0 / 1.5	80
DD-12.0/60	12	60	6	2×500	2×6800	2×449	380	6.5 / 1.3	115
DD-15.9/80	15.9	80	6	2×500	2×6800	2×449	380	8.5 / 1.7	150
DD-20.0/100	20	100	6	3×500	3×6800	3×449	380	10.5 / 2.1	170
DD-24.0/120	24	120	6	3×500	3×6800	3×449	380	12.0 / 2.4	200
DD-28.0/140	28	140	6	4×500	4×6800	4×449	380	13.0 / 2.6	240
DD-32.1/160	32.1	160	6	4×500	4×6800	4×449	380	12.5 / 2.5	260
DD-37.4/200	37.4	201	6	3×600	3×9800	3×726	380	16.8 / 2.4	350
DD-46.8/250	46.8	256	6	3×600	3×9800	3×726	380	21.6 / 2.4	400
DD-56.2/310	56.2	307	6	4×600	4×9800	4×726	380	26.0 / 2.6	420

Notes Standard fan motor supply: 380 V. Electric defrost heater supply: 220 V. Refrigerant and defrost configuration are confirmed per project. Capacity figures are factory ratings converted from W to kW.

04 · AIR COOLERS · DL

DL Series · Medium-Temperature Air Coolers

Reference duty: room temperature 0°C, ΔT 7 K. Final equipment selection must be checked against the actual refrigeration load and operating conditions.

Model	Capacity (kW)	Area (m²)	Fin spacing (mm)	Fans Qty×Ø mm	Air volume (m³/h)	Motor power (W)	Fan supply (V)	Defrost kW Fin / drain	Weight (kg)
DL-2.1/10	2.1	10	4.5	1×300	1×1680	1×108	380	0.6 / 0.6	30
DL-3.1/15	3.1	15	4.5	2×300	2×1680	2×108	380	0.9 / 0.9	43
DL-4.2/20	4.2	20	4.5	2×300	2×1680	2×108	380	1.0 / 1.0	50
DL-5.2/25	5.2	25	4.5	2×350	2×2850	2×164	380	1.2 / 1.2	59
DL-8.2/40	8.2	40	4.5	2×400	2×3750	2×216	380	1.3 / 1.3	75
DL-11.5/55	11.5	55	4.5	2×400	2×3750	2×216	380	1.5 / 1.5	85
DL-16.7/80	16.7	80	4.5	2×500	2×6800	2×449	380	3.2 / 1.6	110
DL-22.0/105	22	105	4.5	2×500	2×6800	2×449	380	3.4 / 1.7	125
DL-25.8/125	25.8	125	4.5	3×500	3×6800	3×449	380	4.2 / 2.1	165
DL-33.6/160	33.6	160	4.5	3×500	3×6800	3×449	380	4.8 / 2.4	185
DL-38.7/185	38.7	185	4.5	4×500	4×6800	4×449	380	5.2 / 2.6	220
DL-44.0/210	44	210	4.5	4×500	4×6800	4×449	380	5.0 / 2.5	260
DL-52.9/260	52.9	260	4.5	3×600	3×9800	3×726	380	7.2 / 2.4	380
DL-67.2/330	67.2	330	4.5	3×600	3×9800	3×726	380	7.2 / 2.4	460
DL-83.4/410	83.4	410	4.5	4×600	4×9800	4×726	380	7.8 / 2.6	480

Notes Standard fan motor supply: 380 V. Electric defrost heater supply: 220 V. Refrigerant and defrost configuration are confirmed per project. Capacity figures are factory ratings converted from W to kW.

04 · AIR COOLERS · DJ

DJ Series · Low-Temperature Air Coolers

Reference duty: low-temperature / quick-freezing applications. Final equipment selection must be checked against the actual refrigeration load and operating conditions.

Model	Capacity (kW)	Area (m²)	Fin spacing (mm)	Fans Qty×Ø mm	Air volume (m³/h)	Motor power (W)	Fan supply (V)	Defrost kW Fin / drain	Weight (kg)
DJ-1.32/8	1.32	8	9	2×300	1180	2×90	380	1.0 / 1.0	35
DJ-2.3/15	2.3	15	9	2×350	3150	2×150	380	2.4 / 1.2	50
DJ-4.0/20	4	20	9	2×400	4235	2×190	380	2.8 / 1.4	66
DJ-5.1/30	5.1	30	9	2×400	4235	2×190	380	3.0 / 1.5	72
DJ-7.8/40	7.8	40	9	2×500	7620	2×380	380	6.5 / 1.3	95
DJ-9.8/55	9.8	55	9	2×500	7620	2×380	380	8.5 / 1.7	105
DJ-12.8/70	12.8	70	9	3×500	7620	3×380	380	10.5 / 2.1	140
DJ-15.7/85	15.7	85	9	3×500	7620	3×380	380	12.0 / 2.4	158
DJ-18.8/100	18.8	100	9	4×500	7620	4×380	380	14.0 / 2.8	185
DJ-21.6/115	21.6	115	9	4×500	7620	4×380	380	15.0 / 3.0	220
DJ-23.9/140	23.9	131.6	9	3×600	11800	3×700	380	20.0 / 2.5	330
DJ-29.0/170	29	165.6	9	3×600	11800	3×700	380	22.4 / 2.8	360
DJ-35.9/210	35.9	206.6	9	3×600	11800	3×700	380	22.4 / 2.8	390

Notes Standard fan motor supply: 380 V. Electric defrost heater supply: 220 V. Refrigerant and defrost configuration are confirmed per project. Capacity figures are factory ratings converted from W to kW.

07 · AIR COOLERS

Dual-Discharge Ceiling Air Coolers

Low-profile ceiling installation with two-way air discharge for workrooms, processing areas and applications where balanced air distribution is required.

APPLICATION NOTES

- Ceiling-mounted form factor helps preserve usable wall space
- Two-way discharge supports more uniform room airflow
- 4.5 / 6 / 9 mm fin-spacing options align with DL / DD / DJ duties
- Drain-pan and coil defrost ratings depend on the selected configuration

REPRESENTATIVE CONFIGURATIONS

Model	Capacity (kW)	Area (m²)	Fin (mm)	Fans Qty×Ø mm	Air volume (m³/h)	Motor (W)	Defrost kW Fin / drain
DL-4.2/20	4.2	20	4.5	2×300	2×1810	2×108	1.0 / 1.0
DD-3.0/15	3	15	6	2×300	2×1810	2×108	1.0 / 1.0
DL-5.2/25	5.2	25	4.5	2×300	2×1810	2×108	2.4 / 1.2
DD-4.0/22	4	22	6	2×300	2×1810	2×108	2.4 / 1.2
DJ-2.3/15	2.3	15	9	2×300	2×1810	2×108	2.4 / 1.2
DL-8.2/40	8.2	40	4.5	2×400	2×4235	2×216	1.5 / 1.5
DD-6.0/30	6	30	6	2×400	2×4235	2×216	2.6 / 1.3
DJ-4.0/20	4	20	9	2×400	2×4235	2×216	2.8 / 1.4

The table shows representative configurations based on factory data. Larger configurations are available; confirm overall dimensions and connection sizes before order release.

08 · CONDENSERS

Air-Cooled Condenser Families

Three cabinet formats cover compact wall-mounted installations, high-capacity V-coil systems and top-discharge U-type arrangements.

H-TYPE · FNH

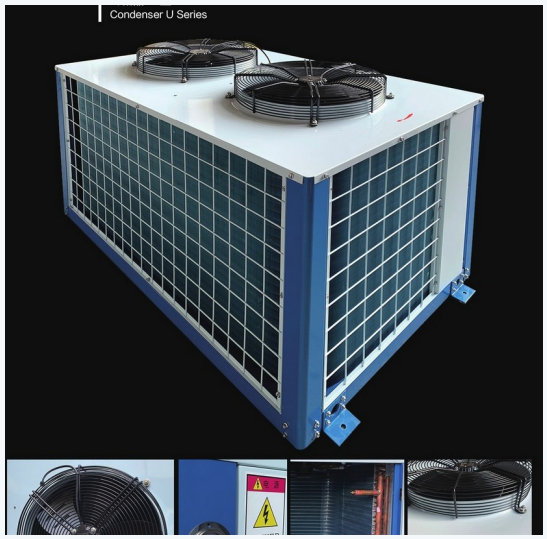
Compact flat coil

Suitable where installation depth is limited; multiple fan and coil sizes.

V-TYPE · FNV

High-capacity V coil

Large heat-transfer surface in a stable cabinet with axial fan options.



U-TYPE · FNU

Top-discharge U coil

Compact footprint with upward airflow for outdoor and plant-room layouts.

SELECTION CHECK

Confirm total heat rejection, condensing temperature, ambient design temperature, refrigerant, available installation envelope, airflow clearance, power supply and permitted sound level. Published data is a starting point for engineering selection.

09 · CONDENSERS · H-TYPE

FNH H-Type Air-Cooled Condensers

Compact flat-coil range. Air volume and motor power are shown as fan quantity × per-fan value.

Model	Area (m²)	Fans Qty×Ø mm	Motor power (W)	Air volume (m³/h)	Supply (V)	Connections mm In / out	Overall dimensions L×W×H (mm)	Weight (kg)
FNH-6.4/22	22	1×400	1×216	1×3750	380	16 / 19	635×180×540	26
FNH-8.1/28	28	2×300	2×108	2×1680	380	16 / 19	800×180×540	29
FNH-9.6/33	33	2×350	2×164	2×2850	380	16 / 19	900×180×540	36
FNH-13/42	42	2×400	2×216	2×3750	380	16 / 22	1000×200×590	40
FNH-15/49	49	2×400	2×216	2×3750	380	19 / 25	1000×200×690	50
FNH-16/55	55	2×400	2×216	2×3750	380	19 / 25	1050×200×740	55
FNH-18/60	60	2×400	2×216	2×3750	380	19 / 25	1140×200×740	68
FNH-20/70	70	2×450	2×240	2×4450	380	19 / 25	1250×200×740	72
FNH-22.3/80	80	4×400	4×216	4×3750	380	19 / 28	1100×200×1040	81
FNH-28.6/100	100	4×400	4×216	4×3750	380	22 / 28	1200×200×1140	90
FNH-34.8/120	120	4×400	4×216	4×3750	380	22 / 28	1140×220×1140	105
FNH-40.6/140	140	4×450	4×240	4×4450	380	28 / 32	1200×220×1240	128
FNH-46.5/160	160	4×450	4×240	4×4450	380	28 / 32	1380×220×1240	135
FNH-52.2/180	180	4×500	4×449	4×6800	380	32 / 38	1300×240×1240	170

Mounting-center dimensions and coil-row details are available in the engineering data sheet. Verify final connection orientation and service clearance before installation.

10 · CONDENSERS · V-TYPE

FNV V-Type Air-Cooled Condensers · Part 1 of 2

Cooling capacity is the published factory rating. Air volume and motor power are shown as fan quantity × per-fan value.

Model	Capacity (kW)	Area (m²)	Fans Qty×Ø mm	Air volume (m³/h)	Motor power (W)	Supply (V)	Connections mm In / out	Overall dimensions L×W×H (mm)
FNV-17.7/60	17.77	60	1×500	1×6800	1×449	380	19 / 25	1030×850×700
FNV-23.6/80	23.6	80	2×450	2×4450	2×240	380	19 / 25	1230×850×700
FNV-29.5/100	29.5	100	2×500	2×6800	2×449	380	19 / 32	1400×900×900
FNV-35.4/120	35.4	120	2×500	2×6800	2×449	380	19 / 32	1450×900×900
FNV-38.4/130	38.35	130	2×550	2×8600	2×670	380	19 / 32	1500×900×900
FNV-41.3/140	41.3	140	2×550	2×8600	2×670	380	19 / 32	1600×900×900
FNV-44.3/150	44.25	150	2×550	2×8600	2×670	380	19 / 35	1750×900×900
FNV-47.2/160	47.2	160	2×550	2×8600	2×670	380	19 / 35	1850×900×900
FNV-53.1/180	53.1	180	2×600	2×9800	2×726	380	19 / 35	1830×920×1000
FNV-53.1/180B	53.1	180	3×550	3×8600	3×670	380	19 / 35	2100×900×900

Capacity selection must be rechecked for the actual condensing temperature and ambient design condition. Keep discharge air paths unobstructed.

11 · CONDENSERS · V-TYPE

FNV V-Type Air-Cooled Condensers · Part 2 of 2

Cooling capacity is the published factory rating. Air volume and motor power are shown as fan quantity × per-fan value.

Model	Capacity (kW)	Area (m²)	Fans Qty×Ø mm	Air volume (m³/h)	Motor power (W)	Supply (V)	Connections mm In / out	Overall dimensions L×W×H (mm)
FNV-59.0/200	59	200	3×550	3×8600	3×670	380	19 / 35	2300×900×900
FNV-64.9/220	64.9	220	3×550	3×8600	3×670	380	22 / 35	2300×920×1000
FNV-70.8/240	70.8	240	3×600	3×9800	3×726	380	22 / 38	2400×920×1000
FNV-73.8/250	73.75	250	3×600	3×9800	3×726	380	22 / 38	2530×920×1000
FNV-76.7/260	76.7	260	3×600	3×9800	3×726	380	22 / 38	2630×920×1000
FNV-82.6/280	82.6	280	3×600	3×9800	3×726	380	25 / 38	2830×920×1000
FNV-94.4/320	94.4	320	3×600	3×9800	3×726	380	25 / 42	2400×1000×1000
FNV-106.2/360	106.2	360	3×600	3×9800	3×726	380	25 / 42	2630×1000×1000
FNV-116.0/400	116	400	3×600	3×9800	3×726	380	25 / 42	2730×1000×1000

Capacity selection must be rechecked for the actual condensing temperature and ambient design condition. Keep discharge air paths unobstructed.

12 · CONDENSERS · U-TYPE

FNU U-Type Air-Cooled Condensers

Top-discharge range with compact footprint. Air volume and motor power are shown as fan quantity × per-fan value.

Model	Area (m²)	Capacity (kW)	Fans Qty×Ø mm	Air volume (m³/h)	Motor power (W)	Supply (V)	Connections mm In / out	Overall dimensions L×W×H (mm)
FNU-32	32	10.6	1×450	4450	1×240	380	19 / 12	720×620×550
FNU-40	40	13.2	1×500	6800	1×449	380	19 / 12	740×640×650
FNU-50	50	16.6	1×500	6800	1×449	380	19 / 12	820×770×650
FNU-50B	50	16.6	2×400	2×3750	2×216	380	19 / 12	1060×650×650
FNU-60	60	19.1	1×550	8600	1×670	380	22 / 16	920×840×650
FNU-60B	60	19.1	2×400	2×3750	2×216	380	22 / 16	1160×720×650
FNU-66	66	21.8	2×450	2×4450	2×240	380	22 / 16	1160×730×750
FNU-80	80	26.4	2×500	2×6800	2×449	380	22 / 16	1320×850×750
FNU-100	100	33.1	2×550	2×8600	2×670	380	25 / 19	1420×880×850
FNU-120	120	39.6	2×550	2×8600	2×670	380	25 / 19	1420×880×1050
FNU-130	130	42.9	2×550	2×8600	2×670	380	25 / 19	1420×880×1150
FNU-150	150	49.5	2×600	2×10820	2×726	380	28 / 22	1550×880×1250
FNU-160	160	52.8	2×600	2×10820	2×726	380	28 / 22	1600×880×1250

Installation-center dimensions are available in the engineering data sheet. Provide adequate top-discharge clearance and avoid recirculation of hot condenser air.

13 · CONDENSING UNITS

Project-Specific Condensing Units

Open, box-type and customized assemblies can be configured to match the selected air cooler, room duty and site conditions.

Representative assembly appearance; final component layout varies by duty and option package.

AVAILABLE CONFIGURATIONS

01 OPEN-TYPE
Service-friendly frame construction for equipment rooms and protected installations.

02 BOX-TYPE
Enclosed cabinet for outdoor or commercial installations, subject to ventilation requirements.

03 AIR-COOLED
Matched air-cooled condenser for standard outdoor heat rejection.

04 WATER-COOLED
Water-cooled option where water quality, flow and heat rejection are confirmed.

05 CUSTOMIZED
Component brands, electrical controls, oil management and protection package to project specification.

MATCHING INPUTS

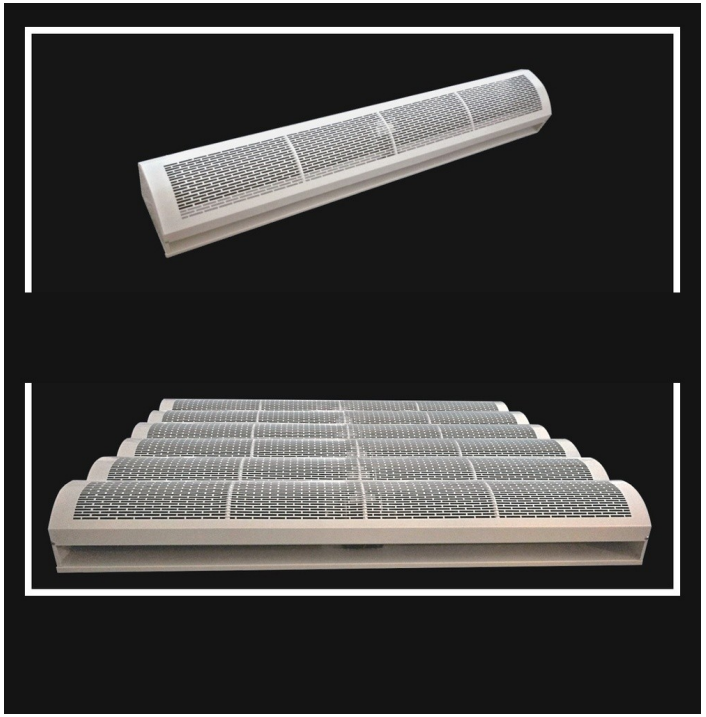
Refrigerant • evaporating temperature • condensing temperature • required capacity • power supply • compressor preference • ambient design temperature • controller and protection requirements

Final model numbers and component brands are confirmed after the design duty is checked against the project requirements.

14 · AIR CURTAINS

Cross-Flow and Centrifugal Air Curtains

High-velocity air barriers help reduce uncontrolled exchange of indoor and outdoor air when a cold room or conditioned-space door is open.



Cross-flow models provide a slim, linear air outlet. Centrifugal models provide higher outlet velocity for demanding openings.

CENTRIFUGAL SERIES · FACTORY DATA

Motor power (kW)	Current (A)	Air volume (m³/h)	Outlet velocity (m/s)	Outlet size (mm)
0.55	1.52	2200–2600	20	150×300
0.75	1.95	2600–3000	21	150×300
0.75	1.95	3500–4000	22	200×275
1.10	2.80	4500–5000	23	200×350
1.50	4.18	≥5000	24	200×350

APPLICATION CHECKLIST

- Door width and height; mounting position and available clearance
- Required air throw, outlet velocity and acceptable noise level
- Door-open duration, pressure difference and wind exposure
- Power supply and control interlock with the cold room door

Air curtains reduce infiltration but do not replace a correctly sized refrigeration system or an insulated cold room door.

15 · PROJECT SUPPORT

From Technical Data to a Confirmed Project Selection

Use this catalog to identify a suitable product family. Clevier then checks the actual duty and confirms the final configuration for quotation and production.

INFORMATION REQUIRED FOR QUOTATION

01	Project location and ambient design temperature
02	Cold room internal dimensions and insulation-panel thickness
03	Target room temperature and product entry temperature
04	Stored product, daily loading quantity and pull-down time
05	Door size, opening frequency and operating schedule
06	Refrigerant preference and local regulatory requirements
07	Available voltage, phase and frequency
08	Required scope: enclosure, door, unit, air cooler, controls and accessories

DOCUMENT CONTROL

- Catalog edition: Clevier Product Catalog 2026 · English
- Published values are compiled from verified factory technical data
- Dimensions, connections, voltage and accessory scope must be reconfirmed on the approved quotation
- Product appearance and component layout may change with configuration and continuous improvement

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