LONGWELL®
Turn to Experts - HVAC&R

Condenser

Professional HVAC Fan &Motors Manufacturer



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Type Code

Ceiling Type Air-Cooler

D D - 20.0 / 100

- Cooling area
- The nominal refrigeration capacity
- L-Represents high-temperature type
  D-Represents middle-temperature type
  J-Represents low-temperature type
- D-Ceiling type
  L-Floor type

Dual Discharge Air-Cooler

LW D - D / 105 - SF 40 3 6

- Fin gap
- Fan number
- Diameter of vane
- Double-side blow type
- Cooling area
- L-Represents high-temperature type
  D-Represents middle-temperature type
  J-Represents low-temperature type
- D-Ceiling type
  L-Floor type
- Longwell

Type Code

Water-Defrosting Cooling Fan Air-Cooler

D D - 12.0 / 60

- Heat exchange area
- The nominal refrigeration capacity
- Code of working temperature,
  L- 5~-5°c; D- -10~-20°c; J- below-25°c
- Product series code

Air-Cooled Refrigerant Condenser

FN H - 13 / 42

- Heat exchange area
- The nominal refrigeration capacity
- Code of air-cooling condenser
  H-Standerd rype V-Top air blow type V
  B-With casings for units W-Top air blow type
- Product series code

Ceiling Type Air-Cooler

Product Characteristic



Model D Series Air Cooler(also called Cooling Fan) is a type of cooling equipment which are applied to various kinds of refrigeratories.(e.g.frozing, storing and freshing food,etc).Model D series have the three types of DL,,DD,DJ,which are respectively applicable to refrigeratories of different.

Temperature.They have many advantages such as compact structure, not occupying the usable area of the cold storage And they can rapidly cool the food in the storage,and greatly improved their freshness.

Model DL applies to 0℃ freshness storehouse.Model D applies to-18℃ cold storage:Mode DJ applies to-25℃ quick-frozen storage.This series of products have the following features:

- They have reasonable structure,forming frost evenly,and working in high efficiency of heattransfer;
- The shell is made of highly qualified steel plate,looking beautiful and well dignified.The surface is plastic-sprayed and corrosion resistance
- They are choosing from specialized fan and motor with low noise,big air volume,and operate smoothly;
- Using strongly insulated and stainless U-shaped tubular electric heat pipes,putting heating tubesl into the fin,uniformly distributed, melting frost in a short time and in good effect;
- The form of the shell can be made according to the customers'need to adopt embossing lead plate and stainless steel shell;
- The cooling fan is tested under 2.5 MPa pressure to ensure that they have the characteristic of high air tightness when leaving the factory.

Technical Parameters

Model	Ref. Capacity(kw)	Cooling Area(m^2)	Spacing (mm)	Fan Qty	Fan Diameter	Air Volume (m^3/h)	Gunshot (m)	Power (w)	Noise db(A)	Coil (kw)	Water Pan(kw)	Voltage (v)	Weight (kg)
DD-1.4/7	1.4(1.2)	7	6	1	Φ300mm	1950	9	95	58	1.2	0.6	220	19
DD-3/15	3(2.5)	15	6	2	Φ300mm	2×1950	9	2×95	58	1.8	0.9	220	33
DD-4/22	4(3.5)	22	6	2	Φ350mm	2×3000	9	2×145	58	2.4	1.2	220	40
DD-6/30	6(5.2)	30	6	2	Φ400mm	2×3600	12	2×190	68	2.6	1.3	220	63
DD-8/40	8(6.9)	40	6	2	Φ400mm	2×3600	12	2×190	68	3.6	1.8	220	68
DD-12/60	12(10.3)	60	6	2	Φ500mm	2×6000	15	2×550	68	6.5	1.3	220	92
DD-15.9/80	15.9(13.6)	80	6	2	Φ500mm	2×6000	15	2×550	68	8.5	1.7	220	106
DD-20/100	20(17.2)	100	6	3	Φ500mm	3×6000	15	3×550	68	10.5	2.1	220	131
DD-24/120	24(20.6)	120	6	3	Φ500mm	3×6000	15	3×550	68	12	2.4	220	149
DD-28/140	28(24)	140	6	4	Φ500mm	4×6000	15	4×550	68	15	3	220	178
DD-32.1/160	32.1(27.6)	160	6	4	Φ500mm	4×6000	15	4×550	68	16	3.2	220	184
DD-37.4/200	37.4(32.2)	200	6	4	Φ500mm	4×6000	15	4×750	72	18	2.5	220	260
DD-37.4/200A	37.4(32.2)	200	6	2	Φ600mm	2×10000	17	2×1100	75	20	2.5	220	278
DD-46.8/250	46.8(32.2)	250	6	3	Φ600mm	3×10000	17	3×1100	75	26.4	3.3	220	352
DD-56.2/310	56.2(48.3)	310	6	3	Φ600mm	3×10000	17	3×1100	75	28	3.5	220	406

Model	Ref. Capacity(kw)	Cooling Area(m²)	Spacing (mm)	Fan Qty	Fan Diameter	Air Volume (m³/h)	Gunshot (m)	Power (w)	Noise db(A)	Coil (kw)	Water Pan(kw)	Voltage (v)	Weight (kg)
DD-68.4/360	68.4(58.8)	360	6	4	Φ600mm	4×10000	17	4×1100	75	32.5	3	220	570
DD-83.6/440	83.6(71.9)	440	6	4	Φ650mm	4×10000	22	4×2200	75	39.5	3	220	610
DD-99.7/530	99.7(85)	530	6	4	Φ650mm	4×12000	22	4×2200	75	48	3	220	730
DD-114/600	114(98)	600	6	4	Φ700mm	4×16000	22	4×2200	75	51.5	3.5	220	750

Note:
1. Our company adheres to a strategy of continuous development, therefore reserves the right to make any product improvements without further notice. 2. Special processing can be done according to user requirements. 3. Φ350-Φ600 can be replaced with an external rotor motor; for the refrigeration capacity of R22 at tcond=-18℃, △t=7℃, the refrigeration capacity with R134a needs to be corrected

Correction Coefficient Table(f) R134a

Evaporation Temperature	＞-12℃	＞-17℃	＞-22℃	＞-27℃
Q0	1	0.96	0.93	0.9

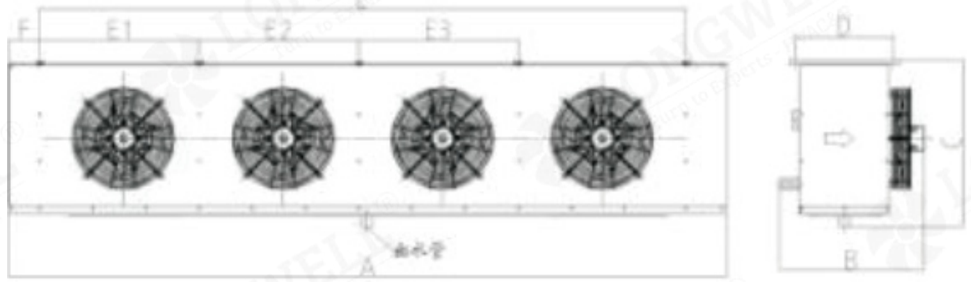
Technical Parameters

Model	Ref. Capacity(kw)	Cooling Area(m²)	Spacing (mm)	Fan Qty	Fan Diameter	Air Volume (m³/h)	Gunshot (m)	Power (w)	Noise db(A)	Coil (kw)	Water Pan(kw)	Voltage (v)	Weight (kg)
DL-2.1/10	2.1(1.8)	10	4.5	1	Φ300mm	1950	9	95	58	0.6	0.24	220	25
DL-4.2/20	4.2(3.6)	20	4.5	2	Φ300mm	2×1950	9	2×95	58	1	0.5	220	35
DL-5.2/30	5.2(4.5)	30	4.5	2	Φ350mm	2×3000	9	2×145	58	1.2	0.6	220	42
DL-8.24	8.2(7.05)	40	4.5	2	Φ400mm	2×3600	12	2×190	68	1.4	0.7	220	65
DL-11.5/55	11.5(9.9)	55	4.5	2	Φ400mm	2×3600	12	2×190	68	1.8	0.9	220	72
DL-16.7/80	16.7(14.4)	80	4.5	2	Φ500mm	2×6000	15	2×550	68	2.4	1.2	220	97
DL-22/105	22(18.9)	105	4.5	2	Φ500mm	2×6000	15	2×550	68	3.2	1.6	220	110
DL-25.8/125	25.8(22.2)	125	4.5	3	Φ500mm	3×6000	15	3×550	68	3.8	1.9	220	140
DL-33.6/160	33.6(28.9)	160	4.5	3	Φ500mm	3×6000	15	3×550	68	4.6	2.3	220	160
DL-38.7/185	38.7(33.3)	185	4.5	4	Φ500mm	4×6000	15	4×550	68	5.4	1.8	220	195
DL-44/210	44(37.8)	210	4.5	4	Φ500mm	4×6000	15	4×550	68	6	1.8	220	208
DL-52.9/260	52.9(46)	260	4.5	4	Φ550mm	4×8000	15	4×750	72	7.5	1.8	220	280
DL-52.9/260A	52.9(46)	260	4.5	2	Φ600mm	2×1000	17	2×1100	72	10	1.8	220	296
DL-67.2/330	67.2(57.8)	330	4.5	3	Φ600mm	3×10000	17	3×1100	75	11	2.2	220	376
DL-83.4/410	83.4(71.7)	410	4.5	3	Φ600mm	3×10000	17	3×1100	75	13	2.6	220	435
DL-95.5/470	95.5(82)	470	4.5	4	Φ600mm	4×10000	22	4×1100	75	16.5	2.5	220	585
DL-117/600	117(100.6)	600	4.5	4	Φ650mm	4×12000	22	4×2200	75	20	3	220	625
DL-140/700	140(120.4)	700	4.5	4	Φ650mm	4×12000	22	4×2200	75	24.5	3	220	750
DL-161/800	161(138.45)	800	4.5	4	Φ700mm	4×16000	22	4×2200	75	28	3	220	770

Model	Ref. Capacity(kw)	Cooling Area(m²)	Spacing (mm)	Fan Qty	Fan Diameter	Air Volume (m³/h)	Gunshot (m)	Power (w)	Noise db(A)	Coil (kw)	Water Pan(kw)	Voltage (v)	Weight (kg)
DJ-1.7/10	1.7(1.45)	10	9	2	Φ300mm	2×1950	9	2×95	58	1.8	0.9	220	25
DJ-2.3/15	2.3(2)	15	9	2	Φ350mm	2×3000	9	2×145	58	2.4	1.2	220	39
DJ-4/20	4(3.4)	20	9	2	Φ400mm	2×3600	12	2×190	68	2.6	1.3	220	56
DJ-5.1/30	5.1(4.4)	30	9	2	Φ400mm	2×3600	12	2×190	68	3.6	1.8	220	65
DJ-7.8/40	7.8(6.7)	40	9	2	Φ500mm	2×6000	15	2×550	68	6.5	1.3	220	86
DJ-9.8/55	9.8(8.4)	55	9	2	Φ500mm	2×6000	15	2×550	68	7.8	1.3	220	105
DJ-12.8/70	12.8(11)	70	9	3	Φ500mm	3×6000	15	3×550	68	9.6	1.5	220	123
DJ-15.7/85	15.7(13.5)	85	9	3	Φ500mm	3×6000	15	3×550	68	12	1.5	220	139
DJ-18.8/100	18.8(16.1)	100	9	4	Φ500mm	4×6000	15	4×550	68	13.8	2.1	220	165
DJ-21.6/115	21.6(18.6)	115	9	4	Φ500mm	4×6000	15	4×550	68	15.6	2.1	220	180
DJ-23.9/140	23.9(20.5)	140	9	4	Φ500mm	4×6000	15	4×750	72	18	2.5	220	235
DJ-23.9/140A	23.9(20.5)	140	9	2	Φ600mm	2×10000	17	2×1500	72	20	2.5	220	260
DJ-29/170	29(24.9)	170	9	3	Φ600mm	3×10000	17	3×1500	75	26.4	3.3	220	326
DJ-35.9/210	35.9(30.8)	210	9	3	Φ600mm	3×10000	17	3×1500	75	28	3.5	220	376
DJ-42.5/250	42.5(36.5)	250	9	4	Φ600mm	4×10000	22	4×1500	75	32.5	3	220	550
DJ-51.2/300	51.2(44)	300	9	4	Φ650mm	4×12000	22	4×2000	75	39.5	3	220	590
DJ-59.5/350	59.5(51.1)	350	9	4	Φ650mm	4×12000	22	4×2200	75	48	3	220	710
DJ-68/400	68(58.5)	400	9	4	Φ700mm	4×16000	22	4×2200	75	51.5	3.5	220	730

Note:
The data in the table is based on the use of R22 refrigerant, at an evaporating temperature of 0℃ and a temperature difference of 7℃.

Installation Dimension Drawing



Model	A	B	C	D	E	E1	E2	E3	E4	F	Inlet Tube (mm)	Back Trachea (mm)	Drainpipe
DL-2.1/10 DD-1.4/7	670	440	490	325	450	/	/	/	/	80	12	22	3/4°
DL-4.2/20 DD-3/15 DJ-1.7/10	1130	440	490	325	910	/	/	/	/	80	12	22	3/4°
DL-5.2/30 DD-4/22 DJ-2.3/15	1520	440	490	325	1305	/	/	/	/	80	12	22	3/4°
DL-8/40 DD-6/30 DJ-4/20	1330	470	630	365	1060	/	/	/	/	95	16	28	3/4°
DL-11.5/55 DD-8/40 DJ-5.1/30	1600	470	630	365	1330	/	/	/	/	95	16	28	3/4°
DL-16.7/80 DD-12/60 DJ-7.8/40	1920	635	730	435	1650	800	850	/	/	95	16	35	1°
DL-22/105 DD-15.9/80 DJ-9.8/55	1920	635	730	435	1650	800	850	/	/	95	16	35	1°
DL-25.8/125 DD-20/100 DJ-12.8/70	2720	635	730	435	2450	800	800	850	/	95	19	38	1°
DL-33.6/160 DD-24/120 DJ-15.7/85	2720	635	730	435	2450	800	800	850	/	95	19	38	1°
DL-38.7/185 DD-28/140 DJ-18.8/100	3520	635	730	435	3250	800	800	800	850	95	19	50	1.5°
DL-44/210 DD-32/160 DJ-21.6/115	3520	635	730	435	3250	800	800	800	850	95	19	50	1.5°
DL-52.9/260 DD-37.4/200 DJ-23.9/140	3520	635	730	485	3250	800	800	800	850	95	22	50	1.5°
DL-52.9/260A DD-37.4/200A DJ-23.9/140A	2140	1030	960	660	1860	910	950	/	/	100	22	50	1.5°
DL-67.2/330 DD-46.8/250 DJ-29/170	2720	1030	930	660	2440	800	800	840	/	100	25	50	1.5°
DL-83.4/410 DD-56.2/310 DJ-35.9/210	2720	1030	1030	660	2440	800	800	840	/	100	25	50	1.5°
DL-95.5/470 DD-68.4/260 DJ-42.5/250	3520	1030	930	660	3240	800	800	800	840	100	25	50	1.5°
DL-117/600 DD-83.6/440 DJ-51/300	3800	1050	1040	660	3520	870	870	870	910	100	28	60	2°
DL-140/700 DD-99.7/530 DJ-59.5/350	3800	1050	1140	660	3520	870	870	870	910	100	28	60	2°
DL-161/800 DD-114/600 DJ-68/400	3800	1150	1140	760	3520	870	870	870	910	100	28	62	2°

Dual Discharge Air-Cooler

Product Characteristic



Model YB-DS series suspended ceiling type double-sided wind blown cooling fan is applied to thel cooling equipment in the food processing workshops.And they are also applied to the supermarkets,hotels,etc business service center.These products have these advantages:
I reasonable structure,forming slight frost,few noise,extremely high efficiency of heat transfer.

- The shell is made of highly qualified steel plate.,looking beautiful.The surface is plasticsprayed and corrosion resistance.
- Using exterior rotor motor,double-sided wind blown, supplying soft wind, with low noise.
- Using strongly insulated and stainless U-shaped tubular electric heat pipes, putting heating tubes into the fin, uniformly distributed, melting frost in a short time in good effect.
- If the customers need special products,please contact with the agencies of Ruixue.

Technical Parameters

Model	Ref. Capacity(w)	Cooling Area(m^2)	Fan Qty	Fan Diameter	Air Volume (m^3/h)	Fan Power(w)	Fan Voltage(v)	Spacing (mm)	Heater Power(w)	Heater Voltage(v)
LW-DL10-SF3014	2100	10	1	Φ300mm	1950	95	380	4.5	2	220
LW-DL16-SF3514	3360	16	1	Φ350mm	3000	145	380	4.5	2.2	220
LW-DL20-SF3024	4200	20	2	Φ300mm	2×1950	95	380	4.5	2.7	220
LW-DL25-SF3024	5500	25	2	Φ300mm	2×1950	95	380	4.5	3.4	220
LW-DL35-SF3524	7000	35	2	Φ350mm	2×3000	145	380	4.5	3.4	220
LW-DL40-SF3524	8400	40	2	Φ350mm	2×3000	145	380	4.5	4	220
LW-DL55-SF3534	11300	55	2	Φ400mm	2×4100	190	380	4.5	5.2	220
LW-DL80-SF3534	16900	80	3	Φ350mm	3×3000	145	380	4.5	5.2	220
LW-DL105-SF4034	22600	105	3	Φ400mm	3×4100	190	380	4.5	8.2	220
LW-DL125-SF4044	28000	125	4	Φ400mm	4×4100	190	380	4.5	8.7	220
LW-DL160-SF4044	33600	160	4	Φ400mm	4×4100	190	380	4.5	10.4	220
LW-DL185-SF4544	38800	185	4	Φ450mm	4×5600	250	380	4.5	12.5	220
LW-DL210-SF4554	44100	210	5	Φ450mm	5×5600	250	380	4.5	13.7	220
LW-DD7-SF3016	1400	7	1	Φ300mm	1950	95	380	6	2	220
LW-DD12-SF3516	2350	12	1	Φ350mm	3000	145	380	6	2.2	220
LW-DD15-SF3026	3000	15	2	Φ300mm	2×1950	95	380	6	2.7	220
LW-DD20-SF3026	3900	20	2	Φ300mm	2×1950	95	380	6	3.4	220
LW-DD25-SF3526	5000	25	2	Φ350mm	2×3000	145	380	6	3.4	220
LW-DD30-SF3526	6000	30	2	Φ350mm	2×3000	145	380	6	4	220

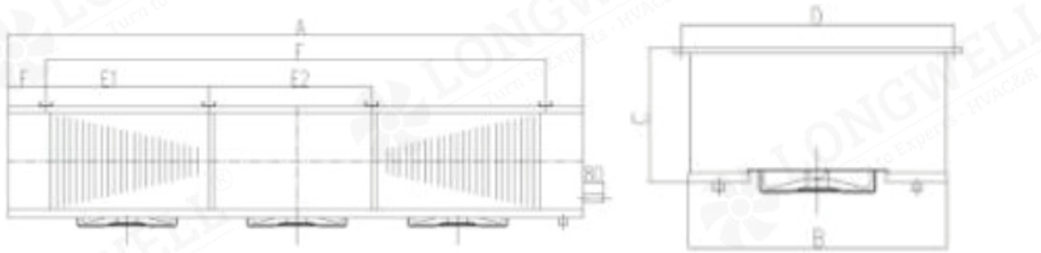
Model	Ref. Capacity(w)	Cooling Area(m^2)	Fan Qty	Fan Diameter	Air Volume (m^3/h)	Fan Power(w)	Fan Voltage(v)	Spacing (mm)	Heater Power(w)	Heater Voltage(v)
LW-DD40-SF3536	8100	40	2	Φ400mm	2×4100	190	380	6	5.2	220
LW-DD60-SF3536	12100	60	3	Φ350mm	3×3000	145	380	6	5.2	220
LW-DD80-SF4036	16100	80	3	Φ400mm	3×4100	190	380	6	8.2	220
LW-DD100-SF4046	20000	100	4	Φ400mm	4×4100	190	380	6	8.7	220
LW-DD120-SF4046	24000	120	4	Φ400mm	4×4100	190	380	6	10.4	220
LW-DD140-SF4546	28000	185	4	Φ450mm	4×5600	250	380	4.5	12.5	220
LW-DD160-SF4556	32000	210	5	Φ450mm	5×5600	250	380	4.5	13.7	220

Note:
For the cooling capacity of R22 at Tcond=0℃ and Δt=7℃, the cooling capacity for R134a should be multiplied by the correction factor f, Qor134a=Qor22×f. The correction factor table f

Correction Coefficient Table(f) *R134a*

Evaporation Temperature	>-12℃	>-17℃	>-22℃	>-27℃
Q0	1	0.96	0.93	0.9

Installation Dimension Drawing



Model	A	B	C	D	E	E1	E2	E3	F	Inlet Tube (mm)	Back Trachea (mm)	Drainpipe
LW-DL10-SF3014 LW-DD7-SF3016	890	670	250	720	650	/	/	/	100	12	22	G1°
LW-DL16-SF3014 LW-DD12-SF3016	890	670	350	720	650	/	/	/	100	12	22	G1°
LW-DL20-SF3024 LW-DD15-SF3026	1070	670	350	720	810	/	/	/	100	12	22	G1°
LW-DL25-SF3024 LW-DD20-SF3026	1180	670	350	720	930	/	/	/	100	12	22	G1°
LW-DL35-SF3524 LW-DD25-SF3526	1180	720	460	770	930	/	/	/	100	12	22	G1°
LW-DL40-SF3524 LW-DD30-SF3526	1350	770	460	820	1050	/	/	/	150	16	25	G1°
LW-DL55-SF3534 LW-DD40-SF3536	1620	770	460	820	1480	/	/	/	150	16	25	G1°
LW-DL80-SF3534 LW-DD60-SF3536	2170	770	460	820	1870	610	610	650	150	19	32	G1°

Model	A	B	C	D	E	E1	E2	E3	F	Inlet Tube (mm)	Back Trachea (mm)	Drainpipe
LW-DL105-SF4034 LW-DD80-SF4036	2170	870	460	920	1870	610	610	650	150	19	38	G1°
LW-DL125-SF4044 LW-DD100-SF404	2790	920	460	970	2440	1200	1240	/	150	19	38	G1°
LW-DL160-SF4044 LW-DD120-SF4046	3010	920	460	970	2660	1310	1350	/	150	19	38	G1°
LW-DL185-5F4564 LW-DD160-5F4546	3590	970	460	1020	3250	800	800	800	150	22	42	G1°
LW-DL210-5F4554 LW-DD160-5F4556	3890	970	460	1020	3540	700	700	700	150	22	42	G1°

Note:
The company adheres to a sustainable development strategy, and product dimensions may be updated without further notice.
Thank you for your cooperation!

Water-Defrosting Cooling Fan Air-Cooler

Product Characteristic



Water-defrosting air-cooler is one kind of cooling equipment used in those cold storages wher electrical defrosting is not applicable, or quick defrosting is required. According to applicable temperature there are 3 series including DL DD DJ, which are applicable to about oC,-18℃ and 25℃ cold storages respectively.

- The shell is made of qualifide steel plate; plastic-sprayed surface is anti-corrosive, and its appearance is beautiful.
- Coiled pipes are mechanical expanding tubes in saggered arrangement; therefore, copper tubes and fins are com-bined closely and ensure good effect of heat exchange.
- Water defrosting realizes quick defrosting, good effect and less energy consumption.
- Long-distance air supply or explosion-proof motors can be used according to customers'requirements.

Technical Parameters

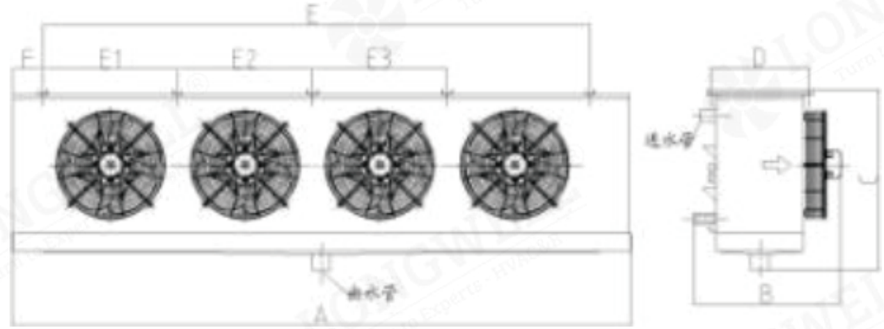
Model	Ref. Capacity(w)	Cooling Area(m^2)	Spacing (mm)	Fan Qty	Fan Diameter	Air Volume (m^3/h)	Gunshot (m)	Power (w)	Voltage (v)	Water Volume	Water Inlet(inch)	Water Outlet(inch)
DD-12.0/60-W	12000 (10300)	60	6	2	Φ500mm	12000	15	2×550	380	1.5	1.5”	2.5”
DD-15.9/80-W	15900 (13600)	80	6	2	Φ500mm	12000	15	2×550	380	2	1.5”	2.5”
DD-20.0/100-W	20000 (17200)	100	6	3	Φ500mm	18000	15	3×550	380	2.4	1.5”	2.5”
DD-24.0/120-W	24000 (20600)	120	6	3	Φ500mm	18000	15	3×550	380	2.9	1.5”	2.5”
DD-28.0/140-W	28000 (24000)	140	6	4	Φ500mm	24000	15	4×550	380	3.38	1.5”	3”
DD-32.1/160-W	32100 (27600)	160	6	4	Φ500mm	24000	15	4×550	380	3.87	1.5”	3”
DD-37.4/200-W	37400 (32200)	200	6	4	Φ550mm	32000	15	4×750	380	4.83	2”	4”
DD-37.4/200A-W	34700 (32200)	200	6	2	Φ600mm	20000	22	2×1100	380	4.83	2”	4”

Model	Ref. Capacity(w)	Cooling Area(m^2)	Spacing (mm)	Fan Qty	Fan Diameter	Air Volume (m^3/h)	Gunshot (m)	Power (w)	Voltage (v)	Water Volume	Water Inlet(inch)	Water Outlet(inch)
DD-46.8/250-W	46800 (40300)	250	6	3	Φ600mm	30000	22	3×1100	380	6.04	2”	4”
DD-56.2/310-W	56200 (48300)	310	6	3	Φ600mm	30000	22	3×1100	380	7.45	2”	4”
DD-68.4/360-W	68400 (58800)	360	6	4	Φ600mm	40000	23	4×1100	380	8.64	2×1.5”	4”
DD-83.6/440-W	83600 (71900)	440	6	4	Φ650mm	50000	23	4×2000	380	10.5	2”	4”
DD-99.7/530-W	99700 (85000)	530	6	4	Φ650mm	50000	25	4×2200	380	12.2	2”	4”
DD-114/600-W	114000 (98000)	600	6	4	Φ700mm	64000	25	4×2200	380	14	2”	4”
DJ-7.8/40-W	7800 (6700)	40	9	2	Φ500mm	12000	15	2×550	380	1.1	1.5”	2.5”
DJ-9.8/55-W	9800 (8400)	55	9	2	Φ500mm	12000	15	2×550	380	1.3	1.5”	2.5”
DJ-12.8/70-W	12800 (11000)	70	9	3	Φ500mm	18000	15	3×550	380	1.7	1.5”	2.5”
DJ-15.7/85-W	15700 (13500)	85	9	3	Φ500mm	18000	15	3×550	380	2.1	1.5”	2.5”
DJ-18.8/100-W	18800 (16100)	100	9	4	Φ500mm	24000	15	4×550	380	2.5	1.5”	3”
DJ-21.6/115-W	21600 (18600)	115	9	4	Φ500mm	24000	15	4×550	380	2.9	1.5”	3”
DJ-23.9/140-W	23900 (20500)	140	9	4	Φ550mm	32000	15	4×750	380	3.5	2”	4”
DJ-23.9/140A-W	23900 (20500)	140	9	2	Φ600mm	20000	22	2×1500	380	3.5	2”	4”
DJ-29/170-W	29000 (24900)	170	9	3	Φ600mm	30000	22	3×1500	380	4.23	2”	4”
DJ-35.9/210-W	35900 (30800)	210	9	3	Φ600mm	30000	22	3×1500	380	5.25	2”	4”
DJ-42.5/250-W	42500 (36500)	250	9	4	Φ600mm	40000	23	4×1500	380	6.5	2×1.5”	4”
DJ-51.2/300-W	51200 (44000)	300	9	4	Φ650mm	50000	23	4×2200	380	7.8	2”	4”
DJ-59.5/350-W	59500 (51100)	350	9	4	Φ650mm	50000	25	4×2200	380	9.1	2”	4”
DJ-68/400-W	68000 (58500)	400	9	4	Φ700mm	64000	25	4×2200	380	10.4	2”	4”
DL-16.7/80-W	16700 (14400)	80	4.5	2	Φ500mm	12000	15	2×550	380	1.76	1.5”	2.5”
DL-22/105-W	22000 (18900)	105	4.5	2	Φ500mm	12000	15	2×550	380	2.31	1.5”	2.5”
DL-25.8/125-W	25800 (22200)	125	4.5	3	Φ500mm	18000	15	3×550	380	2.75	1.5”	2.5”
DL-33.6/160-W	33600 (28900)	160	4.5	3	Φ500mm	18000	15	3×550	380	3.52	1.5”	2.5”
DL-38.7/185-W	38700 (33300)	185	4.5	4	Φ500mm	24000	15	4×550	380	4.05	1.5”	2.5”
DL-44/210-W	44000 (37800)	210	4.5	4	Φ500mm	24000	15	4×550	380	4.6	1.5”	2.5”
DL-52.9/260-W	52900 (46000)	260	4.5	4	Φ550mm	32000	15	4×750	380	5.68	2”	3”
DL-52.9/260A-W	52900 (46000)	260	4.5	2	Φ600mm	20000	22	2×1100	380	5.68	2”	3”
DL-67.2/330-W	67200 (57800)	330	4.5	3	Φ600mm	30000	22	3x1100	380	7.1	2”	3”
DL-83.4/410-W	83400 (71700)	410	4.5	3	Φ600mm	30000	22	3×1100	380	8.8	2”	4”
DL-95.5/470-W	95500 (82000)	470	4.5	4	Φ600mm	40000	23	4×1100	380	10	2”	4”
DL-117/600-W	117000 (100600)	600	4.5	4	Φ650mm	50000	23	4×2200	380	12.1	2×1.5”	4”

Model	Ref. Capacity(w)	Cooling Area(m^2)	Spacing (mm)	Fan Qty	Fan Diameter	Air Volume (m^3/h)	Gunshot (m)	Power (w)	Voltage (v)	Water Volume	Water Inlet(inch)	Water Outlet(inch)
DL-140/700-W	140000 (120400)	700	4.5	4	Φ650mm	50000	25	4×2200	380	14.8	2×1.5”	4”
DL-161/800-W	161000 (138500)	800	4.5	4	Φ700mm	64000	25	4×2200	380	15.8	2×1.5”	4”

Note:
The company adheres to a sustainable development strategy, and product dimensions may be updated without further notice.
Thank you for your cooperation!

Installation Dimension Drawing



Model	A	B	C	D	E	E1	E2	E3	E4	F	Inlet Tube (mm)	Back Trachea (mm)	Water Inlet(inch)	Water Outlet(inch)
DL-16.7/80 DD-12/60 DJ-7.8/40	1920	700	870	480	1650	800	850	/	/	95	16	35	1.5”	2.5”
DL-22/105 DD-15.9/80 DJ-9.8/55	1920	700	870	480	1650	800	850	/	/	95	16	35	1.5”	2.5”
DL-25.8/125 DD-20/100 DJ-12.8/70	2720	700	870	480	2450	800	800	850	/	95	19	38	1.5”	2.5”
DL-33.6/160 DD-24/120 DJ-15.7/85	2720	700	870	480	2450	800	800	850	/	95	19	38	1.5”	2.5”
DL38.7/185 DD-28/140 DJ-18.8/100	3520	700	870	480	3250	800	800	800	850	95	22	50	1.5”	3”
DL-44/210 DD-32/160 DJ-21.6/115	3520	700	870	480	3250	800	800	800	850	95	22	50	1.5”	3”
DL-52.9/260 DD-37.4/200 DJ-23.9/140	3520	800	870	550	3250	800	800	800	850	95	22	50	2”	4”
DL-52.9/260A DD-37.4/200A DJ23.9/140A	2140	1060	1080	660	1860	910	950	/	/	100	22	50	2”	4”
DL-67.2/330 DD-46.8/250 DJ-29/170	2720	1060	1080	660	2440	800	800	840	/	100	25	50	2”	4”
DL-83.4/410 DD-56.2/310 J-35.9/210	2720	1060	1180	660	2440	800	800	840	/	100	25	50	2”	4”
DL95.5/470 DD-68.4/360 DJ-42.5/250	3520	1060	1080	660	3240	800	800	800	840	100	25	50	2×1.5”	4”
DL-117/600 DD-83.6/440 DJ-51/300	3800	1060	1180	660	3520	870	870	870	910	100	28	60	2”	4”
DL-140/700 DD-99.7/530 DJ-59.5/350	3800	1060	1340	660	3520	870	870	870	910	100	28	60	2”	4”
DL-161/800 DD-114/600 DJ-68/400	3800	1180	1340	760	3520	870	870	870	910	100	28	60	2”	4”

Note:
Our company can provide special design and processing services for customers

Ningbo Longwell Electric Technology CO, LTD
https://www.longwellfans.com Email:sales@zjlongwell.com

Air-Cooled Refrigerant Condenser

Product Characteristic



Air-cooled refrigerant condenser is a kind of cooling equipment supporting the refrigeration equipment that works using the air. It mainly has the three structural types of model H,V.W. Model FNH is side- blown. Model V, His top-blown.

The features of Air-cooled retrigerant condenser are as following:

- Reasonable structure, having good compatibility, can be with different kinds of compressors;
- The shell is made of highly qualified steel plate.,looking beautiful.The surface is plasticsprayed and corrosion resistance
- These products have gone through the 2.5mp of air tightness test to ensure the quality requirement when leaving the factory
- Can be used to various kinds of refrigerants such as R22. R134a,R404,etc
- We can configurate different types of condensing fans according to the customers' requirement.

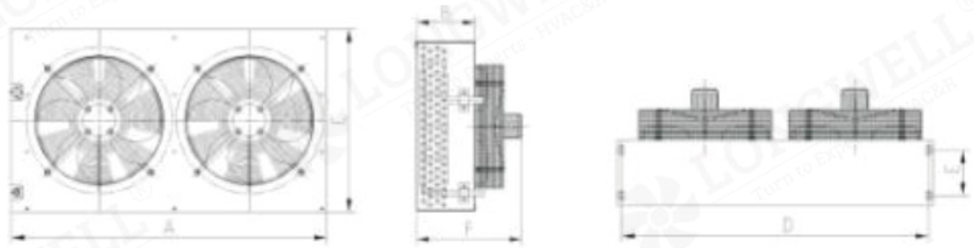
Technical Parameters

Model	Surface (m^2)	Copper Pipe Arrangement	Fan Qty	Fan Diameter	Air Volume (m^3/h)	Power (w)	Voltage (v)	Into Trachea (mm)	Fluid Outlet (mm)	Weight (kg)
FNH-0.6/2	2	2×4	1	Φ200mm	500	40	220	10	10	4
FNH-0.9/3	3	3×4	1	Φ200mm	500	40	220	10	10	4.3
FNH-1.2/4	4	3×5	1	Φ250mm	800	55	220	10	10	6
FNH-1.7/6	6	3×6	1	Φ300mm	1250	90	220	10	10	8
FNH-2.3/8	8	4×6	1	Φ300mm	1250	90	220	10	10	10.2
FNH-3.6/12	12	3×8	1	Φ350mm	1800	145	220/380	16	12	13.8
FNH-4.6/15	15	4×8	1	Φ350mm	1800	145	220/380	16	12	16.5
FNH-5.4/18	18	4×10	1	Φ400mm	3000	190	220/380	16	12	22
FNH-6.4/22A	22	4×10	1	Φ400mm	3000	190	220/380	19	16	24
FNH-6.6/22B	22	3×8	2	Φ350mm	2×1800	2×145	220/380	19	16	26
FNH-8.4/28A	28	5×10	1	Φ400mm	1×3000	1×190	220/380	19	16	29
FNH-8.4/28B	28	4×8	2	Φ350mm	2×1800	2×145	220/380	19	16	32
FNH-9.7/33	28	4×10	2	Φ350mm	2×1800	2×145	220/380	19	16	32
FNH-13/42A	42	5×10	2	Φ400mm	2×3000	2×190	380	19	16	40
FNH-13/42B	42	4×12	2	Φ400mm	2×3000	2×190	380	19	16	40
FNH-15/50	50	4×14	2	Φ400mm	2×3000	2×190	380	19	16	50
FNH-18/60	60	5×14	2	Φ400mm	2×3000	2×190	380	22	19	58
FNH-21/70	70	4×18	4	Φ350mm	4×1800	4×145	380	25	19	73
FNH-24/80	80	4×20	4	Φ400mm	4×3000	4×190	380	25	19	81

Model	Surface (m^2)	Copper Pipe Arrangement	Fan Qty	Fan Diameter	Air Volume (m^3/h)	Power (w)	Voltage (v)	Into Trachea (mm)	Fluid Outlet (mm)	Weight (kg)
FNH-25.3/90	90	4×22	4	Φ400mm	4×3000	4×190	380	25	19	90
FNH-27.6/100A	100	5×20	4	Φ400mm	4×3000	4×190	380	25	19	103
FNH-33.3/120	120	5×24	4	Φ400mm	4×3000	4×190	380	28	19	112
FNH-39.8/140	140	5×24	4	Φ450mm	4×5600	4×250	380	28	19	123
FNH-45.6/160	160	6×22	4	Φ450mm	4×5600	4×250	380	28	22	135
FNH-49.8/180	180	6×24	4	Φ450mm	4×5600	4×250	380	28	22	160
FNH-57.1/200	200	6×26	4	Φ500mm	4×7000	4×450	380	35	25	180
FNH-68.1/240	240	6×26	4	Φ500mm	4×7000	4×450	380	35	25	200

Note:
The nominal cooling capacity is based on a condensing temperature of t=50℃, a supply and return air temperature difference of Δt=10℃, and an outlet superheat of Δt=5℃, with an air velocity of 3m/s.

Installation Dimension Drawing



Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Installation Aperture (mm)
FNH-0.6/2	310	100	255	270	60	180	10
FNH-0.9/3	310	100	255	270	60	180	10
FNH-1.2/4	310	100	300	270	60	180	10
FNH-1.7/6	390	130	340	350	80	250	10
FNH-2.3/8	390	130	340	350	80	250	10
FNH-3.6/12	530	200	440	450	150	380	10
FNH-4.6/15	530	200	440	450	150	380	10
FNH-5.4/18	530	220	540	450	170	400	10
FNH-6.4/22A	630	220	540	550	170	400	10
FNH-6.6/22B	960	200	440	870	150	380	10
FNH-8.4/28A	630	220	540	550	170	400	10
FNH-8.4/28B	960	200	440	870	150	380	10

Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Installation Aperture (mm)
FNH-9.7/33	960	220	540	870	170	400	10
FNH-13/42A	1000	220	540	900	170	400	10
FNH-13/42B	1060	220	640	960	170	400	10
FNH-15/50	1060	220	740	960	170	400	10
FNH-18/60	1060	220	740	960	170	400	10
FNH-21/70	1060	220	940	960	170	400	10
FNH-24/80	1060	220	1040	960	170	400	10
FNH-25.3/90	1180	220	1140	1080	170	400	10
FNH-27.6/100A	1180	220	1040	1080	170	400	10
FNH-27.9/100B	1180	200	1240	1080	170	400	10
FNH-33.3/120	1180	220	1240	1080	170	400	10
FNH-39.8/140	1340	220	1240	1230	170	400	10
FNH-45.6/160	1340	240	1140	1230	190	430	10
FNH-49.8/180	1440	240	1240	1330	190	430	10
FNH-57.1/200	1440	240	1340	1330	190	430	10
FNH-68.1/240	1660	240	1340	1560	190	430	10

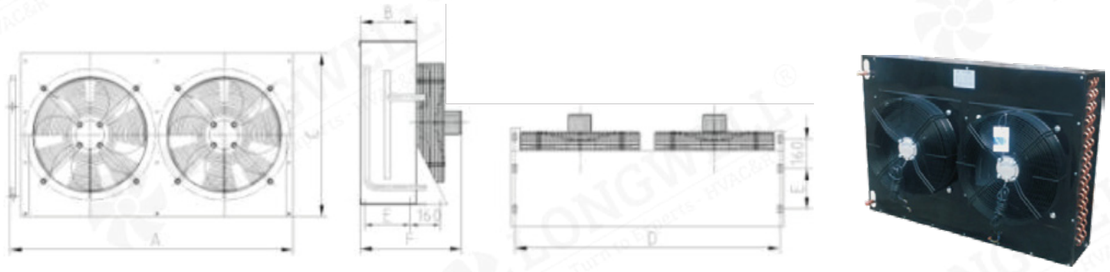
Note:
F denotes the size when using an external rotor fan motor. The product is constantly being improved, and we reserve the right to make changes without prior notice. We appreciate your understanding!

Falling Film Evaporator Technical Parameters

Model	Heat Transfer Area(m^2)	Copper Pipe Arrangement	Fan Qty	Fan Diameter	Air Volume (m^3/h)	Power (w)	Voltage (v)	Into Trachea (mm)	Fluid Outlet (mm)
FNHC-6.6/28	28	4×12	1	Φ400mm	3600	190	380	19	16
FNHC-8.2/33	33	4×12	1	Φ450mm	5600	250	380	19	16
FNHC-11.8/42	41	4×13	1	Φ450mm	5600	250	380	22	16
FNHC-14.6/58	58	4×16	1	Φ500mm	7000	450	380	25	19
FNHC-23.2/85	85	4×18	2	Φ450mm	11200	250×2	380	28	22
FNHC-28.3/100	100	5×16	2	Φ500mm	14000	450×2	380	28	22
FNHC-33.5/120	120	5×18	2	Φ500mm	14000	450×2	380	32	22
FNHC-39.8/140	140	5×18	2	Φ550mm	17000	650×2	380	32	25

Note:
The nominal refrigeration capacity is based on the values when the condensing temperature t, is 50℃ and the inlet air temperature t, is 35℃.

Installation Dimension Drawing



Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Installation Aperture (mm)
FNHC-6.6/28	630	220	630	550	170	10
FNHC-8.2/33	750	220	630	680	170	10
FNHC-11.8/42	840	220	680	770	170	10
FNHC-14.6/58	1000	220	830	900	170	10
FNHC-23.2/85	1220	220	930	1130	170	10
FNHC-28.3/100	1320	220	830	1230	170	10
FNHC-33.5/120	1320	220	930	1230	170	10
FNHC-39.8/140	1420	220	930	1330	170	10