

# AIR COOLER



**CONTACT  
NOW**

**GLEN  
REFRIGERATION**

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[www.greehvacr.com](http://www.greehvacr.com)

[www.glenrefrigeration.com](http://www.glenrefrigeration.com)



# Company Profile

## About Us

### Value

Innovation, Surpass,  
Persistence, Win-win  
situation.

### Vision

Let Customers Enjoy Better  
Refrigeration Products and  
Service.

### Mission

Committed to creating value  
for customers with truly high-  
quality refrigeration  
equipments.

Hangzhou Glen Refrigeration Equipment Co., LTD is a professional manufacturer, which specializes in the development, manufacture and sales of refrigeration equipment. The company's main products are Copeland scroll compressor outdoor condensing units, Panasonic scroll compressor outdoor condensing units, indoor condensing unit, and DC inverter condensing units, monoblock refrigeration units, air cooler evaporator and so on.

Glen Refrigeration is also a professional supplier of rotary compressors and reciprocating compressors for air conditioning, home refrigerator, commercial refrigeration and transport refrigeration.

We focus on energy-saving and environmental protection. We are committed to creating value for customers with truly high-quality refrigeration equipment. We would like to join hands and win together to provide customers with satisfactory quality products.



## Features:

- The air cooler uses internal threaded copper pipes, with compact product structure, high heat exchange, and small footprint.
- The air cooler adopts the spraying process, which is corrosion-resistant. The copper tube is a fork-shaped arrangement, which is integrally formed with a tube expander, which has the performance of high heat conduction efficiency.
- The air cooler adopts brand motor, low noise, high efficiency and low failure rate. The defrosting heating tube is made of stainless steel and filled with magnesium oxide, which is divided into fin defrosting and water pan defrosting, optimizing the defrosting position, fast defrosting speed, high efficiency, and small temperature change in the storage room.

## APPLICATION

This series of air coolers are mainly used for cold storage room. They are divided into three series: DL series, DD series, and DJ series. DL series is mainly used for cold storage at 0~8°C; DD series is mainly used for cold storage at about -18°C, and DJ series is mainly used for cold storage at about -25°C.

## Contact

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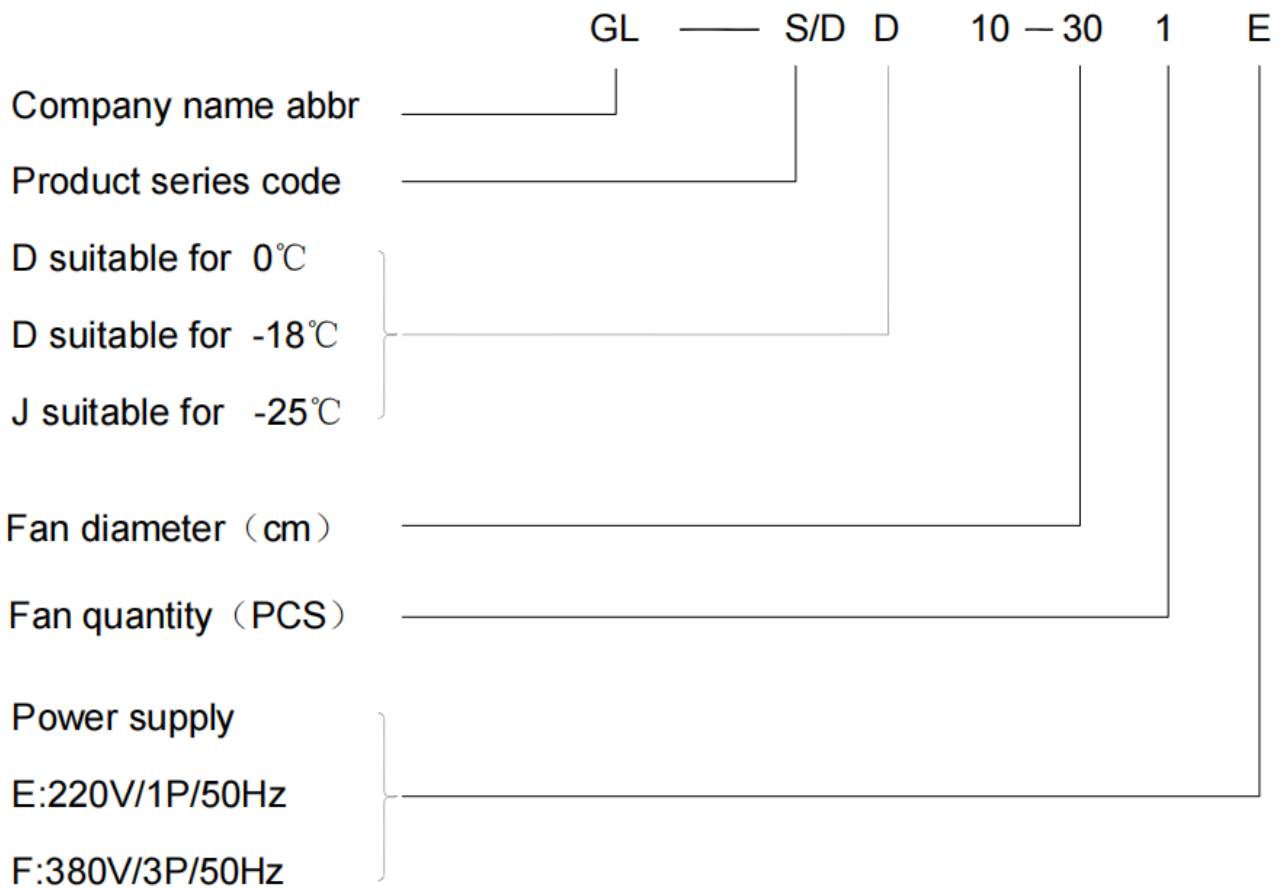
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# Model Nomenclature

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## Model Nomenclature



# Air Cooler Evaporator Parameter

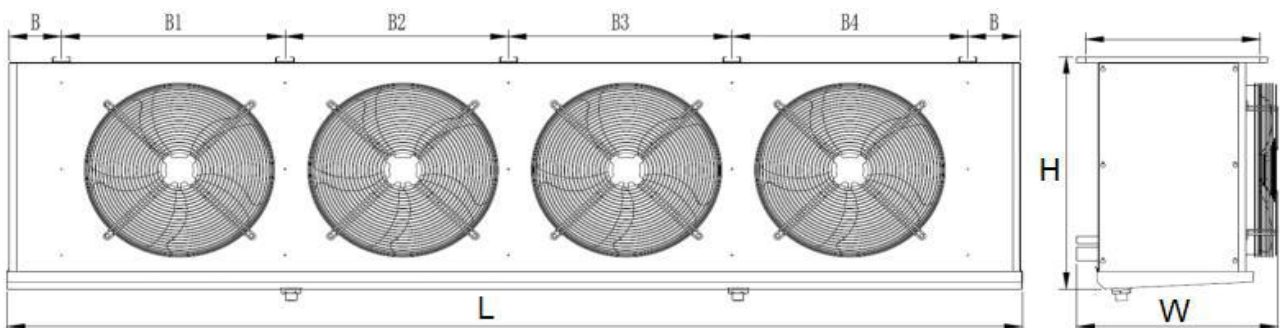
Product series	Model	Capacity	Fan motor parameter				Heater parameter		Air blowing distance
		DT=7K	Air flow	Voltage	Diameter	QTY	Voltage	Input power	
		KW	m <sup>3</sup> /h	V	Φmm	PCS	V	W	
S series single fan	GL-DD15-301E	2.3KW	1200	220V	300	1	220V	1700	6
	GL-SD30-401F	4KW	3500	380V	400	1	220V	1700	10
	GL-SD40-401F	5KW	3500	380V	400	1	220V	2620	10
	GL-SD60-451F	8KW	6000	380V	400	1	220V	4000	12
D series multi-fan	GL-DD30-302E	3.5KW	2400	220V	300	2	220V	2460	7
	GL-DJ30-302E	2.4KW		220V	300	2	220V	2460	
	GL-DD40-302E	4.5KW	2400	220V	300	2	220V	2940	7
	GL-DJ40-302E	2.7KW		220V	300	2	220V	2940	
	GL-DD50-352E/F	6KW	4200	220V/380V	350	2	220V	4500	9
	GL-DJ50-352E/F	4.2KW		220V/380V	350	2	220V	4500	
	GL-DD60-402F	8KW	6000	380V	400	2	220V	5300	12
	GL-DJ60-402F	6KW		380V	400	2	220V	5300	
	GL-DD70-402F	8.5KW	6000	380V	400	2	220V	6600	12
	GL-DJ70-402F	6.5KW		380V	400	2	220V	6600	
	GL-DD80-452F	10KW	10800	380V	450	2	220V	6600	14
	GL-DJ80-452F	7KW		380V	450	3	220V	6600	
	GL-DD100-403F	12.5KW	11800	380V	400	3	220V	7900	14
	GL-DJ100-403F	8.5KW		380V	400	3	220V	7900	
	GL-DD120-453F	15.5KW	16200	380V	450	3	220V	9700	15
	GL-DJ120-453F	11.5KW		380V	450	3	220V	9700	
	GL-DD150-503F	17.5KW	18000	380V	500	3	220V	9700	17
	GL-DJ150-503F	13KW		380V	500	3	220V	9700	
	GL-DD180-504F	22.5KW	24000	380V	500	4	220V	11500	18
	GL-DJ180-504F	16KW		380V	500	4	220V	11500	
GL-DD200-504F	27.5KW	32000	380V	500	4	220V	11500	19	
GL-DJ200-504F	17.8KW		380V	500	4	220V	11500		
D series with wind canister	GL-DD150-503FT	17.5KW	18000	380V	500	3	220V	9700	20
	GL-DJ150-503FT	13KW		380V	500	3	220V	9700	
	GL-DD180-504FT	22.5KW	24000	380V	500	4	220V	11500	22
	GL-DJ180-504FT	16KW		380V	500	4	220V	11500	

## Matching of Air Cooler Evaporator and Condensing Unit

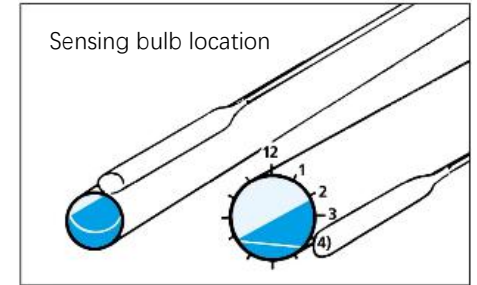
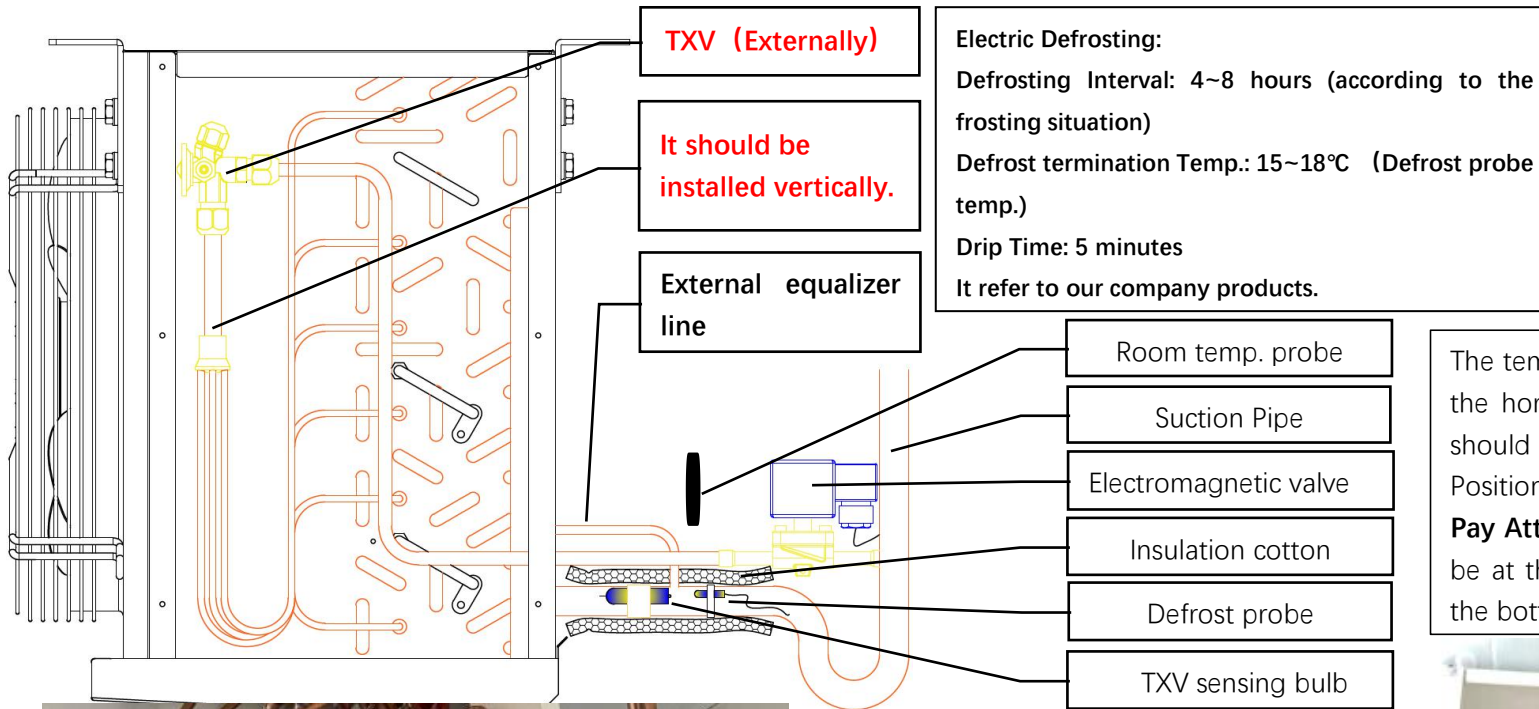
Model	Matched Condensing unit		External Dimension	Defrost power (W)	Capacity 7K
			L*W*H mm		
GL-DD15-30E	Chilling 0°C	1.5 HP condensing unit	660×430×480	1700	2.3 KW
	Freezing -18°C	1.5 HP condensing unit			
GL-SD30-401F	Chilling 0°C	2.5 HP condensing unit	880×550×615	1700	4 KW
	Freezing -18°C	2 HP condensing unit			
GL-SD40-401F	Chilling 0°C	3 HP condensing unit	880×550×615	2620	5 KW
	Freezing -18°C	2.5 HP condensing unit			
GL-SD60-451F	Chilling 0°C	5 HP condensing unit	1120×660×675	4000	8 KW
	Freezing -18°C	4 HP condensing unit			
GL-DD30-302 E	Chilling 0°C	2.5 HP condensing unit	1100×430×480	2460	3.5 KW
	Freezing -18°C	2 HP condensing unit			
GL-DJ30-302 E	Blast freezing -25°C	2 HP condensing unit	1100×430×480	2460	2.4 KW
GL-DD40-302 E	Chilling 0°C	3 HP condensing unit	1260×430×480	2940	4.5 KW
	Freezing -18°C	2.5 HP condensing unit			
GL-DJ40-302 E	Blast freezing -25°C	2.5 HP condensing unit	1260×430×480	2940	2.7 KW
GL-DD50-352E/F	Chilling 0°C	4 HP condensing unit	1300×465×545	4500	6 KW
	Freezing -18°C	3 HP condensing unit			
GL-DJ50-352E/F	Blast freezing -25°C	3 HP condensing unit	1300×465×545	4500	4.2KW
GL-DD60-402F	Chilling 0°C	5 HP condensing unit	1550×480×610	5300	8 KW
	Freezing -18°C	4 HP condensing unit			
GL-DJ60-402F	Blast freezing -25°C	4 HP condensing unit	1550×480×610	5300	6 KW
GL-DD70-402F	Chilling 0°C	6 HP condensing unit	1700×480×610	6600	8.5 KW
	Freezing -18°C	5 HP condensing unit			
GL-DJ70-402F	Blast freezing -25°C	5 HP condensing unit	1700×480×610	6600	6.5 KW
GL-DD80-452F	Chilling 0°C	7 HP condensing unit	1700×480×670	6600	10 KW
	Freezing -18°C	6 HP condensing unit			
GL-DJ80-452F	Blast freezing -25°C	6 HP condensing unit	1700×480×670	6600	7 KW
GL-DD100-403F	Chilling 0°C	8 HP condensing unit	1980×480×670	7900	12.5 KW
	Freezing -18°C	7 HP condensing unit			
GL-DJ100-403F	Blast freezing -25°C	7 HP condensing unit	1980×480×670	7900	8.5 KW
GL-DD120-453F	Chilling 0°C	10 HP condensing unit	2440×515×685	9700	15.5 KW
	Freezing -18°C	8 HP condensing unit			
GL-DJ120-453F	Blast freezing -25°C	8 HP condensing unit	2440×515×685	9700	11.5 KW
GL-DD150-503F	Chilling 0°C	12 HP condensing unit	2440×545×750	9700	17.5 KW
	Freezing -18°C	10 HP condensing unit			
GL-DJ150-503F	Blast freezing -25°C	10 HP condensing unit	2440×545×750	9700	13 KW
GL-DD180-504F	Chilling 0°C	15 HP condensing unit	2840×545×750	11500	22.5 KW
	Freezing -18°C	12 HP condensing unit			
GL-DJ180-504F	Blast freezing -25°C	12 HP condensing unit	2840×545×750	11500	16 KW
GL-DD220-504F	Chilling 0°C	18 HP condensing unit	2840×545×750	11500	27.5 KW
	Freezing -18°C	15 HP condensing unit			
GL-DJ220-504F	Blast freezing -25°C	15 HP condensing unit	2840×545×750	11500	17.8 KW

# Air Cooler Evaporator Dimension

Model	External dimension (mm)			Install dimension (mm)						Refrigerant pipe		Water pipe
	L	W	H	A	B	B1	B2	B3	B4	Inlet	Outlet	OD
GL-DD15-301E	660	470	480	365	112	435				12.7	19.05	Φ32
GL-DD30-302E	1100	470	480	365	112	875				12.7	22	Φ32
GL-DJ30-302E												
GL-SD30-401F	880	550	615	465	113	635				12.7	22	Φ32
GL-DD40-302E	1260	470	480	365	112	1035				12.7	22	Φ32
GL-DJ40-302E												
GL-SD40-401F	880	550	615	465	113	635				12.7	22	Φ32
GL-DD50-352E/F	1300	500	545	385	112	1075				15.88	22	Φ32
GL-DJ50-352E/F												
GL-DD60-402F	1550	485	610	400	132	1285				15.88	22	Φ32
GL-DJ60-402F												
GL-SD60-451F	1120	660	675	465	123	875				15.88	22	Φ32
GL-DD70-402F	1700	485	610	400	132	1435				15.88	28	Φ32
GL-DJ70-402F												
GL-DD80-452F	1700	485	675	400	132	1435				15.88	28	Φ32
GL-DJ80-452F												
GL-DD100-403F	1980	485	675	400	132	560	560	594		15.88	28	Φ32
GL-DJ100-403F												
GL-DD120-453F	2440	515	685	450	152	700	700	734		22	35	Φ32
GL-DJ120-453F												
GL-DD150-503F	2440	545	750	480	152	700	700	734		22	35	Φ32
GL-DJ150-503F												
GL-DD180-504F	2840	545	750	480	152	625	625	625	660	22	42	Φ32*2
GL-DJ180-504F												
GL-DD220-504F	2840	545	750	480	152	625	625	625	660	22	42	Φ32*2
GL-DJ220-504F												
GL-DD150-503FT	2440	760	750	480	152	700	700	734		22	35	Φ32
GL-DJ150-503FT												
GL-DD180-504FT	2840	760	750	480	152	625	625	625	660	22	42	Φ32*2
GL-DD180-504FT												



## TXV Installation Recommendations



The temp. sensing bulb should be installed on the horizontal suction pipe, and the position should be at 1 o'clock and 4 o'clock position. Position depends on tubing OD.

**Pay Attention:** The sensing bulb should never be at the bottom of the suction line as oil at the bottom may give false signals.





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