

## DS Series Water Defrosting Evaporator

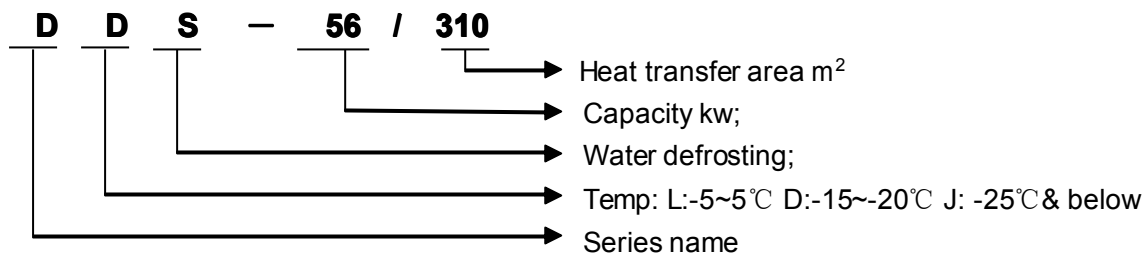
### 1. Product description:

The water defrosting evaporator is the cooling equipment inside the cooler room that is not suited for electric or quick defrosting method. By the temperature, it can be divided into 3 series: DLS, DDS, DJS, suited for the room requiring 0°C, -18°C and -25°C respectively.

This series has the following characteristics:

1. The shell is of good steel plate, with plastic spray surface, which is corrosion-resistant and beautiful outlook.
2. The coil is crossed-arranged, using the mechanic method to expand the tube, which make the copper tube and the aluminum fin jointed closely, to achieve the good heat exchange effect.
3. Water-defrosting method, with quick speed, good effect and less energy consumption.
4. The long distance air or explosion proof motor can be used by the customer requirement.

### 2. Model code:



### 3. Specification

Model	Capacity DT=7K KW	Area m <sup>2</sup>	Tube V dm <sup>3</sup>	Fan motor					Defrosting water m <sup>3</sup> /h	Weight kg
				Air m <sup>3</sup> /h	Dia mm	Dist m	Input w	Vol V		
Fin distance: 4.5mm										
DLS-16/80	16.30	80	16.5	12000	500	15	2×750	380	1.9	181
DLS-22/105	22.38	105	22.7	12000	500	15	2×750	380	2.7	203
DLS-27/125	27.42	125	26.3	18000	500	15	3×750	380	3.1	270
DLS-34/160	33.71	160	33	18000	500	15	3×750	380	3.7	297
DLS-40/185	40.00	185	38.5	24000	500	15	4×550	380	4.3	340
DLS-45/210	44.96	210	44	24000	500	15	4×750	380	4.9	385
DLS-53/260	52.92	260	52	24000	500	15	4×750	380	6.1	420
DLS-67/330	67.25	330	66.2	24000	500	15	4×750	380	7.3	510
DLS-83/410	83.43	410	82.3	30000	500	15	5×750	380	7.7	530
Fin distance: 6.0mm										
DDS-12/60	11.72	60	16.5	12000	500	15	2×750	380	1.5	176
DDS-16/80	15.88	80	22.7	12000	500	15	2×750	380	2.0	196
DDS-19/100	18.6	100	26.3	18000	500	15	3×750	380	2.4	265
DDS-23/120	23.36	120	33	18000	500	15	3×750	380	2.9	285
DDS-27/140	27.27	140	38.5	24000	500	15	4×750	380	3.4	330
DDS-31/160	31.14	160	44	24000	500	15	4×750	380	3.9	375
DDS-37/200	37.42	200	52	24000	500	15	4×750	380	4.8	385

# Icy Refrigeration Equipment Co., Ltd.

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DDS-47/250	46.83	250	66.2	24000	500	15	4×750	380	6.1	440
DDS-56/310	56.21	310	82.3	30000	500	15	5×750	380	6.5	460
Fin distance: 9.0mm										
DJS-8/40	7.67	40	16.5	12000	500	15	2×750	380	1.1	172
DJS-10/55	10.41	55	22.7	12000	500	15	2×750	380	1.3	195
DJS-1370	12.84	70	26.3	18000	500	15	3×750	380	1.7	256
DJS-16/85	15.79	85	33	18000	500	15	3×750	380	2.1	277
DJS-19/100	18.49	100	38.5	24000	500	15	4×750	380	2.5	320
DJS-21/115	20.99	115	44	24000	500	15	4×750	380	2.9	363
DJS-24/140	23.90	140	52	24000	500	15	4×750	380	3.5	396
DJS-29/170	28.96	170	66.2	24000	500	15	4×750	380	4.3	484
DJS-36/210	35.91	210	82.3	30000	500	15	5×750	380	5.3	506

## 4. Outlook & installation size

Model	External size(mm)			Roof installation size(mm)							pipe(mm)		Defrosting pipe	
	A	B	C	D	E	E1	E2	E3	E4	F	Inlet	outlet	inlet	outlet
DLS-16.3/80 DDS-11.7/60 DJS-7.7/40	1920	540	850	470	1640	820	—	—	—	95	φ16	φ35	1 1/2"	2"
DLS-22.4/105 DDS-15.9/80 DJS-10.4/55	1920	610	800	540	1640	820	—	—	—	95				
DLS-27.4/125 DDS-18.6/100 DJS-12.8/70	2420	610	760	540	2150	725	700	—	—	95	φ22	φ42	1 1/2"	2"
DLS-33.7/160 DDS-23.4/120 DJS-15.8/85	2720	610	800	540	2440	820	800	—	—	95				
DLS-40/185 DDS-27.3/140 DJS-18.5/100	3120	610	800	540	2850	725	700	700	—	95				
DLS-45/210 DDS-31.1/160 DJS-21/115	3520	610	800	540	3250	825	800	800	—	95	φ28	φ54	2 1/2"	3"
DLS-52.9/260 DDS-37.4/200 DJS-23.9/140	3520	610	900	540	3250	825	800	800	—	95				
DLS-67.2/330 DDS-46.8/250 DJS-29.0/170	3120	700	950	630	2850	725	700	700	—	95				
DLS-83.4/410 DDS-56.2/310 DJS-35.9/210	3520	700	950	630	3250	650	650	650	650	95				

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