

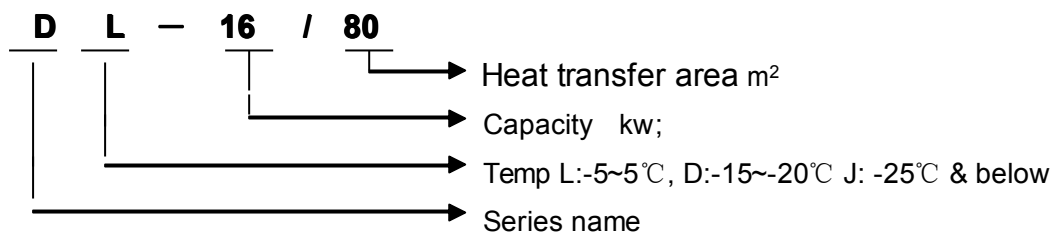
## D Series Evaporator

### 1. Product description:

D series evaporator is the cooling equipment in the walk-in cooler matching the condensing units of freon refrigerant. By the temperature it suits, it is divided into 3 series: DL,DD,DJ for the different temperature required inside the coolers. DL series evaporator is mainly used for the fresh-keeping coolers around 0°C temperature requirement, DD series suited for -18°C freezers, and DJ for -25°C quick-freezers room. 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. The electric heating tube of good quality stainless steel is deployed evenly in the coil, having good defrosting method.
4. Using double layer water drain pan loop, which can prevent the ice freezing on it effectively.
5. The long distance air sleeve can be used by the customer requirement.

### 2. Model code:



### 3. Specification:

- 1). DL evaporator(fin distance 4.5mm)

Model	Capacity	Area	Air	Distance	Tube volume	Fan motor				Electric defrosting heater		
	DT=7K					Vol	Dia	Qty	Input	Vol	Input(kw)	
	kw					v	mm	n	w	v	Coil	Drain
DL-2/10	1.92	10	1700	10	2	380	330	1	1×90	220	1.0	0.5
DL-3/15	3.21	15	3400	10	2.5	380	330	2	2×90	220	1.8	0.9
DL-4/20	4.28	20	3400	10	3.4	380	330	2	2×90	220	1.8	0.9
DL-6/25	5.46	25	5100	10	5.0	380	330	3	3×90	220	2.4	1.2
DL-8/40	8.02	40	6000	12	7.5	380	400	2	2×250	220	2.0	1.0
DL-12/55	11.55	55	6000	12	9.9	380	400	2	2×250	220	3.0	1.5
DL-17/80	16.8	80	12000	15	14.5	380	500	2	2×750	220	4.5	1.5
DL-22/105	22.4	105	12000	15	20.1	380	500	2	2×750	220	4.5	1.5

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DL-26/125	26.3	125	18000	15	23.8	380	500	3	3×750	220	7.2	1.8
DL-34/160	33.7	160	18000	15	29.8	380	500	3	3×750	220	8.0	2.0
DL-39/185	38.9	185	26000	17	33.7	380	550	3	3×1150	220	8.0	2.2
DL-45/210	45.0	210	26000	17	37.9	380	550	3	3×1150	220	10.0	2.2
DL-55/260	54.6	260	35000	17	47	380	550	4	4×1150	220	12.0	2.2
DL-69/330	69.3	330	35000	17	58.5	380	550	4	4×1150	220	16.0	4.4
DL-78/370	77.7	370	35000	17	68.7	380	550	4	4×1150	220	18.0	4.4
DL-86/410	86.1	410	35000	17	73.9	380	550	4	4×1150	220	20.0	4.4
DL-93/443	93.0	443	35000	17	78.5	380	550	4	4×1150	220	22.0	4.4
DL-97/460	96.6	460	35000	17	85.7	380	550	4	4×1150	220	23.0	4.4
DL-110/520	109.2	520	50000	20	96.4	380	650	4	4×2200	220	24.0	5.2
DL-122/580	121.8	580	50000	20	107.1	380	650	4	4×2200	220	26.0	5.2

## 2). DD evaporator (fin distance 6.0mm)

Model	Capacity DT=7K	Area	Air	Dist	Tube V	Fan motor				Electric defrosting heater		
						Vol	Dia	Qty	Input	Vol	Input(kw)	
	kw	m <sup>2</sup>	m <sup>3</sup> /h	m	dm <sup>3</sup>	v	mm	n	w	v	coil	Drain
DD-1.3/7	1.3	7	1700	10	2	380	330	1	1×90	220	1.0	0.5
DD-2/12	2.23	12	3400	10	2.5	380	330	2	2×90	220	1.8	0.9
DD-3/15	2.8	15	3400	10	3.4	380	330	2	2×90	220	1.8	0.9
DD-4/22	4.11	22	5100	10	5.0	380	330	3	3×90	220	2.4	1.2
DD-6/30	5.62	30	6000	12	7.5	380	400	2	2×250	220	3.0	1.0
DD-7/40	7.44	40	6000	12	9.9	380	400	2	2×250	220	4.5	1.5
DD-12/60	11.72	60	12000	15	14.6	380	500	2	2×750	220	7.5	1.5
DD-15/80	15.0	80	12000	15	20.1	380	500	2	2×750	220	7.5	3.0
DD-19/100	18.6	100	18000	15	23.8	380	500	3	3×750	220	9.0	3.6
DD-23/120	23.36	120	18000	15	29.8	380	500	3	3×750	220	10.0	4.0
DD-27/140	27.3	140	26000	17	33.7	380	550	3	3×1150	220	12.0	4.4
DD-31/160	31.14	160	26000	17	37.9	380	550	3	3×1150	220	14.0	4.4
DD-37/200	37.42	200	35000	17	47	380	550	4	4×1150	220	16.0	4.4
DD-47/250	46.83	250	35000	17	58.5	380	550	4	4×1150	220	18.0	4.4
DD-54/290	54.2	290	35000	17	68.7	380	550	4	4×1150	220	20.0	4.4
DD-58/310	58.0	310	35000	17	73.9	380	550	4	4×1150	220	22.0	4.4
DD-62/330	61.7	330	35000	17	78.5	380	550	4	4×1150	220	24.0	4.4
DD-69/370	69.2	370	35000	17	85.7	380	550	4	4×1150	220	26.0	4.4
DD-79/420	78.5	420	50000	20	96.4	380	650	4	4×2200	220	29.0	5.2
DD-88/470	87.9	470	50000	20	107.1	380	650	4	4×2200	220	34.0	5.2

## 3).DJ evaporator (fin distance 9.0mm)

Model	Capacity DT=7K	Area	Air	Dist	Tube V	Fan motor				Electric defrosting heater		
						Vol	Dia	Qty	Input	Vol	Input(kw)	
	kw	m <sup>2</sup>	m <sup>3</sup> /h	m	dm <sup>3</sup>	v	mm	n	w	v	coil	Drain
DJ-1.4/8	1.39	8	3400	10	2.5	380	330	2	2×90	220	1.8	0.9

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DJ-2/12	2.0	12	3400	10	3.4	380	330	2	2×90	220	1.8	0.9
DJ-3/15	2.5	15	5100	10	5.0	380	330	3	3×90	220	2.4	1.2
DJ-4/20	3.81	20	6000	12	7.5	380	400	2	2×250	220	3.0	1.0
DJ-5/30	5.1	30	6000	12	9.9	380	400	2	2×250	220	4.5	1.5
DJ-8/40	7.67	40	12000	15	14.6	380	500	2	2×750	220	7.5	1.5
DJ-10/55	10.41	55	12000	15	20.1	380	500	2	2×750	220	7.5	3.0
DJ-13/70	12.84	70	18000	15	23.8	380	500	3	3×750	220	9.0	3.6
DJ-16/85	15.79	85	18000	15	29.8	380	500	3	3×750	220	10.0	4.0
DJ-19/100	18.49	100	26000	17	33.7	380	550	3	3×1150	220	12.0	4.4
DJ-21/115	20.99	115	26000	17	37.9	380	550	3	3×1150	220	14.0	4.4
DJ-24/140	23.9	140	35000	17	47.0	380	550	4	4×1150	220	16.0	4.4
DJ-29/170	28.96	170	35000	17	58.5	380	550	4	4×1150	220	18.0	4.4
DJ-35/204	34.7	204	35000	17	68.7	380	550	4	4×1150	220	20.0	4.4
DJ-36/210	35.9	210	35000	17	73.9	380	550	4	4×1150	220	22.0	4.4
DJ-39/232	39.4	232	35000	17	78.5	380	550	4	4×1150	220	26.0	4.4
DJ-43/250	42.5	250	35000	17	85.7	380	550	4	4×1150	220	26.0	4.4
DJ-48/280	47.6	280	50000	20	96.4	380	650	4	4×2200	220	29.0	5.2
DJ-53/310	52.7	310	50000	20	107.1	380	650	4	4×2200	220	34.0	5.2

## 4. Outlook & installation size

Model	External size(mm)			installation size(mm)						pipe(mm)		Drain pipe
	A	B	C	D	E	E1	E2	E3	F	inlet	outlet	
DL-2/10 DD-1.3/7	730	415	465	310	530	—	—	—	75	φ12	φ16	1"
DL-3/15 DD-2/12 DJ-1.4/8	1110	415	465	310	910	—	—	—	75			
DL-4/20 DD-3/15 DJ-2/12	1110	415	465	310	910	—	—	—	75	φ12	φ22	
DL-6/25 DD-4/22 DJ-3/15	1560	415	465	310	1360	—	—	—	75			
DL-8/40 DD-6/30 DJ-4/20	1385	585	525	420	1095	547.5	—	—	115	φ16	φ28	
DL-12/55 DD-8/40 DJ-5/30	1760	585	525	420	1470	735	—	—	115			
DL-17/80 DD-12/60 DJ-8/40	1920	675	690	540	1640	820	—	—	110	φ16	φ35	
DL-22/105 DD-16/80 DJ-10/55	1920	675	635	540	1640	820	—	—	110			
DL-26/125 DD-19/100 DJ-13/70	2420	675	600	540	2150	725	700	—	95	φ22	φ42	2"
DL-34/160 DD-23/120 DJ-16/85	2720	730	655	590	2450	825	800	—	95			
DL-40/185 DD-27/140 DJ-19/100	2612	800	760	630	2342	796	750	--	95			
DL-45/210 DD-31/160 DJ-21/115	2720	800	815	630	2450	825	800	--	95			

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DL-55/260 DD-37/200 DJ-24/140	3312	800	815	630	3042	771	750	750	95			
DL-69/330 DD-47/250 DJ-29/170	3120	900	825	730	2850	721	700	700	95			
DL-78/370 DD-54/290 DJ-35/204	3612	900	825	730	3342	846	825	825	95			
DL-83/410 DD-58/310 DJ-36/210	3412	900	925	730	3142	796	775	775	95			
DL-97/443 DD-62/330 DJ-39/230	3612	900	925	730	3342	846	825	825	95			
DL-97/460 DD-69/370 DJ-43/250	3950	900	925	730	3650	925	900	900	95	φ35	φ76	
DL-110/520 DD-79/420 DJ-48/280	3950	910	1025	730	3650	925	900	900	95			
DL-122/580 DD-88/470 DJ-53/310	3950	910	1125	730	3650	925	900	900	95			

