

INDUSTRIAL REFRIGERATION & COOLING SOLUTION

CATALOGUE PRODUCT CATEGORY

- Precision manufacturing process, fabrication of parts and drilling holes are done by CNC machines.
- Centrifugal tube expansion technology is transferred by MAUS, Italy.
- swift support and warranty.



**MECHANICAL ELECTRICAL
COOLING**

MEC MECHANICAL ELECTRICAL COOLING Co., Ltd

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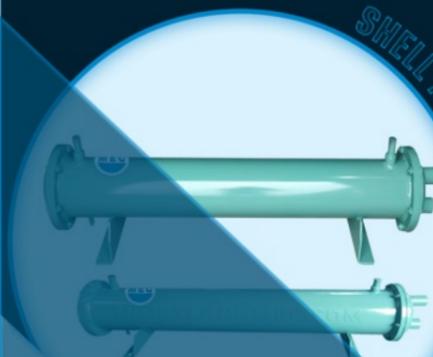
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SHELL AND TUBE CONDENSER



SHELL AND TUBE OIL COOLER



SHELL AND TUBE EVAPORATOR



EVAPORATOR AND CONDENSER COIL



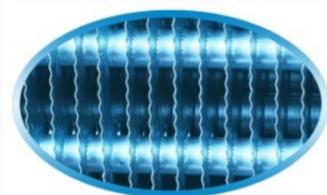
Quality makes the brand

ABOUT US

- MEC Mechanical Electrical Co., Ltd. is proud to be a manufacturer of heat exchange and cooling equipment in Vietnam.
- Products are manufactured based on advanced transferred technologies:
 - + Centrifugal tube expansion technology is transferred by MAUS (Italy).
 - + Jet-cold technology for rapid cooling is based on Japan Technology helps save energy and cooling time.
- Product components are processed by CNC milling machines, CNC lathes machines, press machines, automatic robot welding machines, ...
- Run simulations on software to test product performance to match with real conditions before putting into production.
- Products are tested before leaving the factory.
- Professional technical and production staff.
- Fast customer support and warranty.

EVAPORATOR AND CONDENSER COIL

- High efficiency: fast cooling time, energy saving.
- High reliability and safety during operation.
- Environmentally friendly: the production process does not emit toxic gases. The product can be recycled.
- Aesthetics: The monolithic air box creates certainty and Sharp edges.
- Equipment lifetime is extended.
- Technical drawings are designed by seasoned engineer. Manufactured according to customer requirements.



Fin spacing 4.5mm ÷ 12mm



The monolithic tube fan box



SHELL AND TUBE HEAT EXCHANGERS



- Use copper pipes have fins on the surface and grooves inside the pipe that increase heat transfer area by 3 times.
- Technical specifications are built in accordance with the latest regulations and standards in effect.
- Good quality welding makes them no debris and impurities left, Improve the performance and service life of the unit.
- Design and manufacture according to customer requirements.
- We support repair, replacement of materials and product accessories during use of MEC products.
- Fast and long-lasting warranty.



Water oil cooler

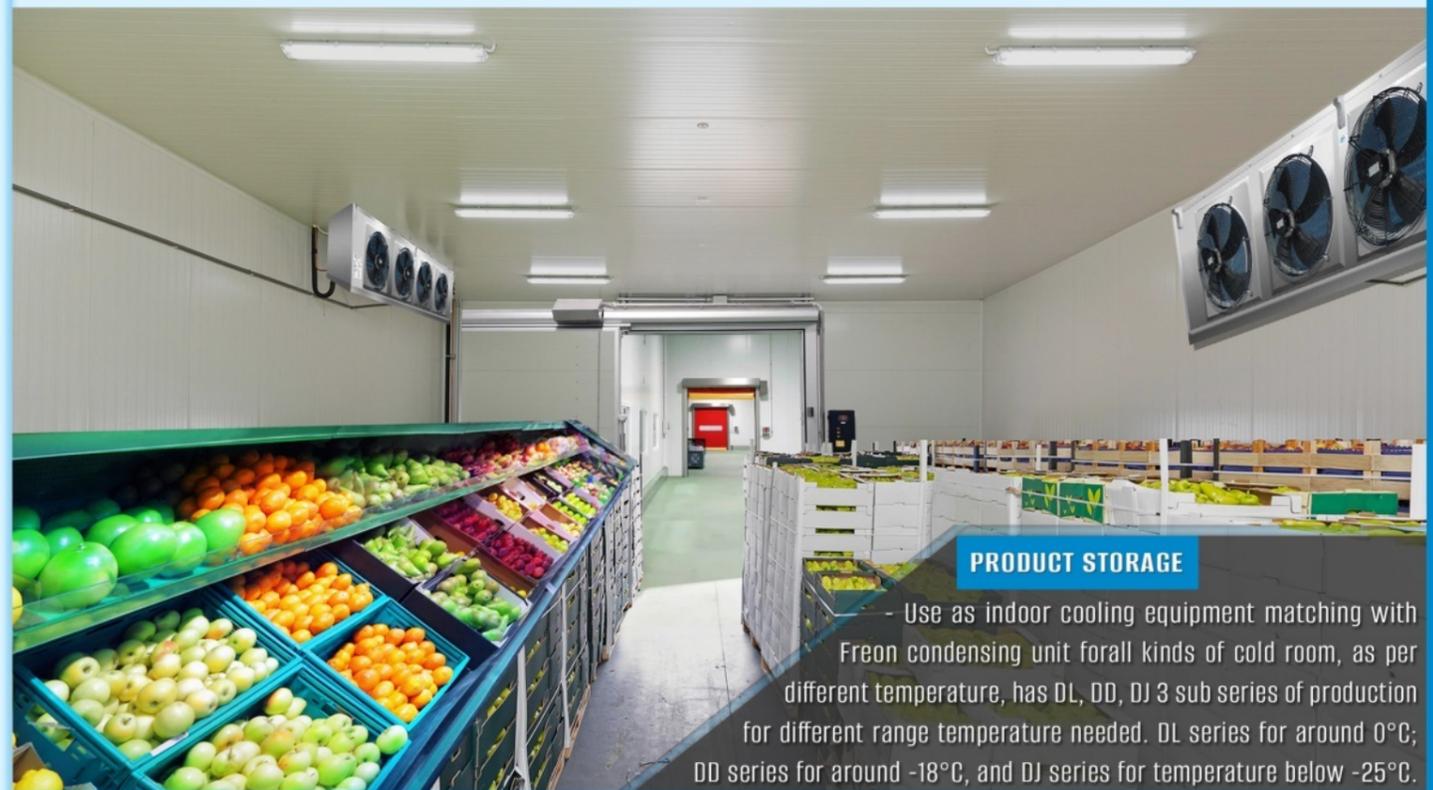


Shell and tube Condenser



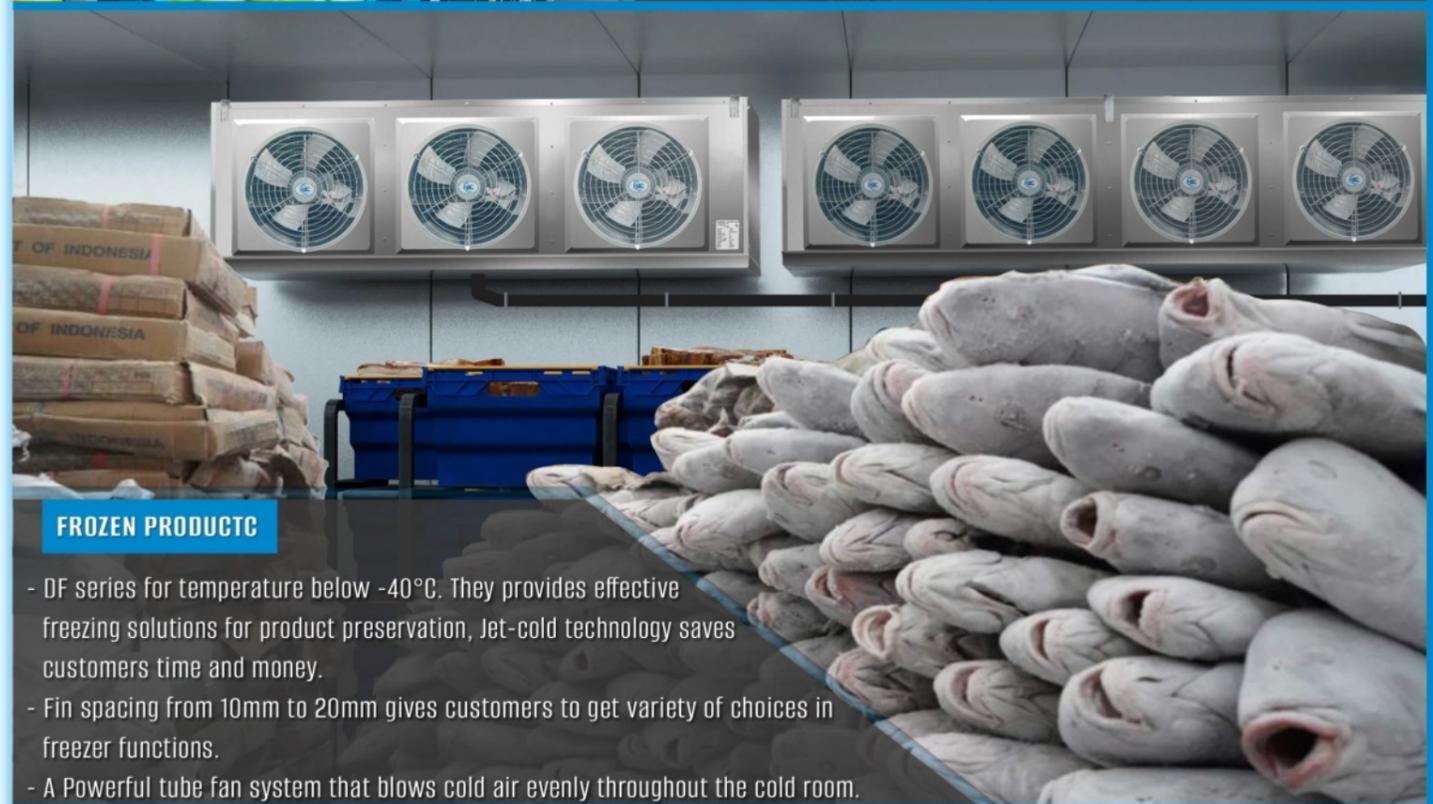
Shell and tube Evaporator

EVAPORATOR FOR COLD ROOM



PRODUCT STORAGE

- Use as indoor cooling equipment matching with Freon condensing unit for all kinds of cold room, as per different temperature, has DL, DD, DJ 3 sub series of production for different range temperature needed. DL series for around 0°C; DD series for around -18°C, and DJ series for temperature below -25°C.



FROZEN PRODUCT

- DF series for temperature below -40°C. They provides effective freezing solutions for product preservation, Jet-cold technology saves customers time and money.
- Fin spacing from 10mm to 20mm gives customers to get variety of choices in freezer functions.
- A Powerful tube fan system that blows cold air evenly throughout the cold room.

TECHNICAL RESEARCH SUPPORT

DT (°C)	A1 - Room temperature (°C)													
	8	5	4	3	2	1	0	-5	-10	-15	-20	-25	-30	-35
5	0.73	0.73	0.71	0.69	0.67	0.65	0.63	0.61	0.60	0.58	0.56	0.55	0.54	0.54
6	0.88	0.88	0.85	0.83	0.80	0.78	0.75	0.73	0.71	0.70	0.68	0.66	0.65	0.65
7	1.03	1.03	1.00	0.97	0.94	0.91	0.88	0.85	0.83	0.81	0.79	0.77	0.76	0.76
8	1.17	1.17	1.14	1.10	1.07	1.04	1.00	0.98	0.95	0.93	0.90	0.88	0.87	0.87
9	1.32	1.32	1.28	1.24	1.20	1.16	1.13	1.10	1.07	1.04	1.02	0.99	0.98	0.98
10	1.47	1.46	1.42	1.38	1.34	1.29	1.25	1.22	1.19	1.16	1.13	1.00	1.09	1.09

Ref	A2 - Room temperature (°C)													
	8	5	4	3	2	1	0	-5	-10	-15	-20	-25	-30	-35
R22	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
R134a	0.98	0.97	0.97	0.97	0.96	0.96	0.96	0.94	0.93	0.91	-	-	-	-
R404A	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05

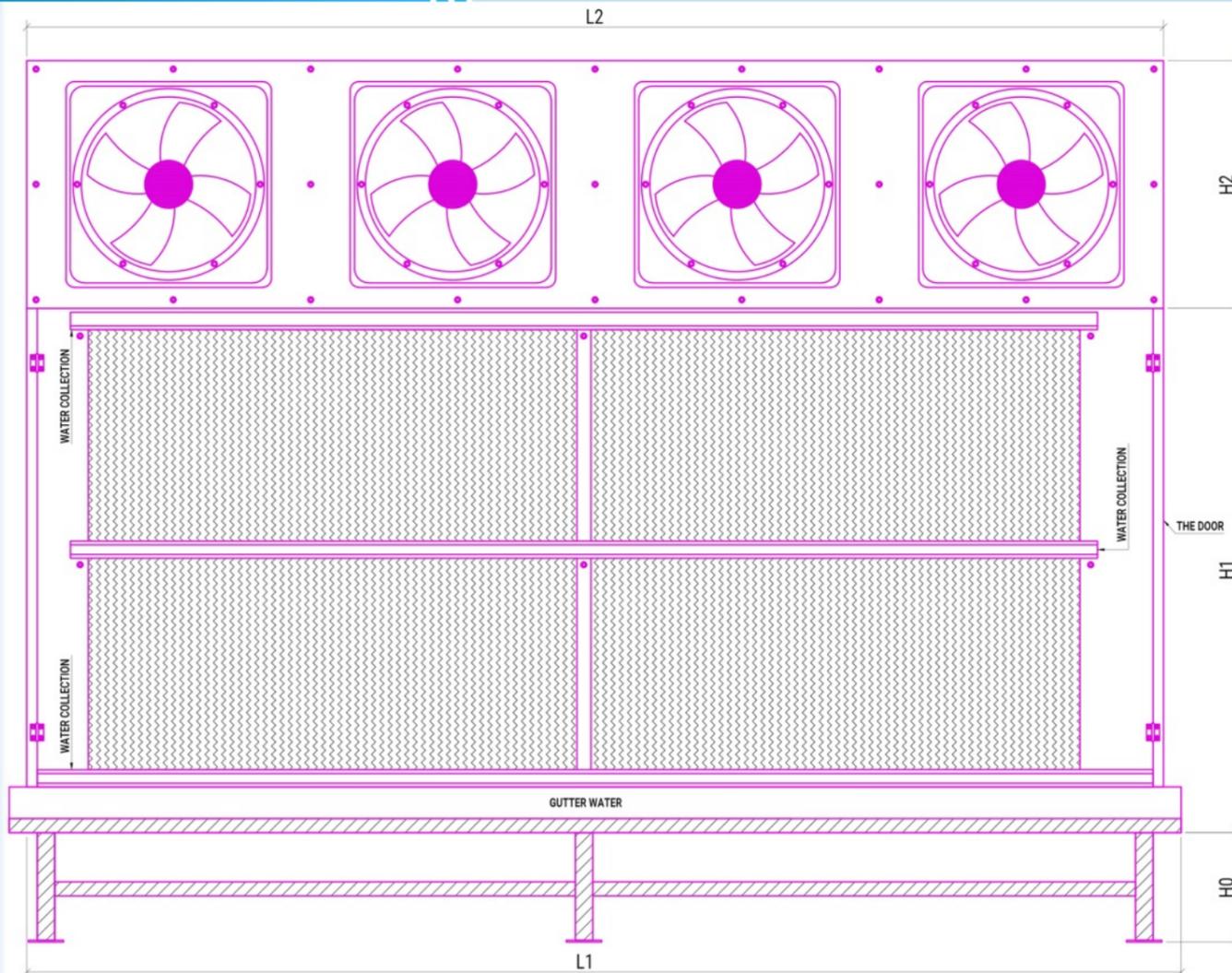
Capacity calculation:

$$Q_{Real} = Q_{evaporation} \times (A_1) \times (A_2), \text{ kW}$$

MANUFACTURE OF EVAPORATORS AND HEAT EXCHANGER USING ADVANCED TECHNOLOGY

EVAPORATOR USES JET-COLD TECHNOLOGY TO SAVES TIME AND MONEY

EVAPORATOR DF SERIES



MODE CODE GUIDE

- D F 75 - 16 / 392.6 T W
- Fan type: T is Tube ; M is Market
- Defrost type: W is water ; E - Electric heating
- Heat transfer area (m²)
- Liquid pipe diameter (mm)
- Power in Hp unit
- Room temperature (L: -5 ÷ 5°C ; D: -15 ÷ -20°C ; J: -25 ÷ -30°C ; F: ≥ -40°C)
- Product series



1. DF SERIES, WATER DEFROST

Model: DF ; Fin spacing: 11mm ; DT = 10K ; Application Temperature To = -50°C, Outer shell material: Stainless steel 304 or 430

MODEL	COOLING CAPACITY		HEAT TRANSFER AREA (m ²)	LIQUID PIPE (COPPER)		FREON INLET DIA. (mm)	FREON OUTLET DIA. (mm)	FAN (Tube fan, 380V-50Hz)			DIMENSIONS (mm)						DEF. (m ³ /h)	WEIGHT (kg)
	R22 (kW)	R404A (kW)		Ø (mm)	Total (m)			N x Ø (mm)	Power (W)	Air flow (m ³ /h)	Evaporator				Fan box			
											L1	W1	H1	H0	L2	H2		
DF20-117.5TW	43.2	45.4	117.5	16	240.0	1 x Ø19	1 x Ø54	3 x 500	3 x 750	30,900	1,854	740	1,240	250	2,310	730	6.0	312
DF25-140.0TW	51.5	54.1	140.0	16	283.2	1 x Ø19	1 x Ø54	3 x 500	3 x 750	30,900	2,124	740	1,240	250	2,310	730	8.6	335
DF30-179.1TW	65.9	69.2	179.1	16	360.0	1 x Ø22	1 x Ø65	3 x 500	3 x 750	30,900	2,364	740	1,340	250	2,310	730	12.5	374
DF35-209.4TW	77.0	80.9	209.4	16	420.0	1 x Ø22	1 x Ø65	4 x 500	4 x 750	41,200	2,464	740	1,440	250	3,070	730	15.4	451
DF40-239.6TW	88.1	92.5	239.6	16	478.0	1 x Ø25	1 x Ø76	4 x 500	4 x 750	41,200	2,766	740	1,440	250	3,070	730	20.1	481
DF45-267.0TW	98.2	103.1	267.0	16	532.4	1 x Ø25	1 x Ø76	4 x 500	4 x 750	41,200	2,796	740	1,540	250	3,070	730	22.7	506
DF50-301.2TW	110.8	116.3	301.2	16	600.0	1 x Ø25	1 x Ø76	4 x 600	4 x 1,500	64,800	2,876	740	1,690	300	3,470	830	26.5	546
DF55-332.5TW	122.3	128.4	332.5	16	660.0	1 x Ø25	1 x Ø90	4 x 600	4 x 1,500	64,800	3,139	740	1,690	300	3,470	830	32.3	579

The monolithic tube fan box

Model: DF ; Fin spacing: 11mm ; DT = 10K ; Application Temperature To = -50°C, Outer shell material: Stainless steel 304 or 430

MODEL	COOLING CAPACITY		HEAT TRANSFER AREA (m ²)	LIQUID PIPE (COPPER)		FREON INLET DIA. (mm)	FREON OUTLET DIA. (mm)	FAN (Tube fan, 380V-50Hz)			DIMENSIONS (mm)						DEF. (m ³ /h)	WEIGHT (kg)
	R22 (kW)	R404A (kW)		Ø (mm)	Total (m)			N x Ø (mm)	Power (W)	Air flow (m ³ /h)	Evaporator				Fan box			
											L1	W1	H1	H0	L2	H2		
DF60-361.5TW	133.0	139.7	361.5	16	717.6	2 x Ø22	2 x Ø65	4 x 600	4 x 1,500	64,800	3,143	740	1,790	300	3,470	830	35.2	610
DF75-451.5TW	166.1	174.4	451.5	16	896.0	2 x Ø22	2 x Ø65	4 x 600	4 x 1,500	64,800	3,202	740	2,090	300	3,470	830	44.7	740
DF90-545.4TW	200.6	210.6	545.4	16	1,080.0	2 x Ø25	2 x Ø76	5 x 600	5 x 1,500	81,000	3,415	740	2,340	350	4,330	830	57.9	885
DF100-606.0TW	222.9	234.0	606.0	16	1,200.0	2 x Ø25	2 x Ø76	5 x 600	5 x 1,500	81,000	3,427	740	2,540	350	4,330	830	64.4	940
DF125-758.2TW	278.8	292.7	758.2	16	1,496.0	2 x Ø28	2 x Ø90	6 x 600	6 x 1,500	97,200	3,840	740	2,740	350	5,190	830	91.6	1,143
DF150-914.6TW	336.4	353.2	914.6	16	1,800.0	2 x Ø28	2 x 105	6 x 600	6 x 1,500	97,200	4,203	740	2,940	350	5,190	830	122.2	1,294

2. DF SERIES, ELECTRIC HEATING DEFROST

Model: DF ; Fin spacing: 11mm ; DT = 10K ; Application Temperature To = -50°C, Outer shell material: Stainless steel 304 or 430

MODEL	COOLING CAPACITY		HEAT TRANSFER AREA (m ²)	LIQUID PIPE (COPPER)		FREON INLET DIA. (mm)	FREON OUTLET DIA. (mm)	FAN (Tube fan, 380V-50Hz)			DIMENSIONS (mm)						DEF. (kl.s)	WEIGHT (kg)
	R22 (kW)	R404A (kW)		Ø (mm)	Total (m)			N x Ø (mm)	Power (W)	Air flow (m ³ /h)	Evaporator				Fan box			
											L1	W1	H1	H0	L2	H2		
DF20-106.5TE	39.2	41.2	106.5	16	217.0	1 x Ø19	1 x Ø54	3 x 500	3 x 750	30,900	1,904	740	1,140	250	2,310	730	34.1	314
DF25-140.0TE	51.5	54.1	140.0	16	283.2	1 x Ø19	1 x Ø54	3 x 500	3 x 750	30,900	2,124	740	1,240	250	2,310	730	42.8	352
DF30-179.1TE	65.9	69.2	179.1	16	360.0	1 x Ø22	1 x Ø65	3 x 500	3 x 750	30,900	2,364	740	1,340	250	2,310	730	52.8	396
DF35-209.4TE	77.0	80.9	209.4	16	420.0	1 x Ø22	1 x Ø65	4 x 500	4 x 750	41,200	2,464	740	1,440	250	3,070	730	60.4	477
DF40-239.6TE	88.1	92.5	239.6	16	478.0	1 x Ø25	1 x Ø76	4 x 500	4 x 750	41,200	2,766	740	1,440	250	3,070	730	68.0	510
DF45-267.0TE	98.2	103.1	267.0	16	532.4	1 x Ø25	1 x Ø76	4 x 500	4 x 750	41,200	2,796	740	1,540	250	3,070	730	74.7	539
DF50-291.2TE	107.1	112.5	291.2	16	580.8	1 x Ø25	1 x Ø76	4 x 600	4 x 1,500	64,800	2,796	740	1,690	300	3,470	830	80.6	573

EVAPORATOR DJ SERIES



Evaporator, Tube fan

Centripetal angled holes create even spray



Evaporator, Maret fan



Centripetal technology splitter liquid

EVAPORATOR DJ SERIES

1. DJ SERIES, WATER DEFROST, TUBE FAN

Model: DJ ; Fin spacing: 10mm ; DT = 7K ; Application Temperature To = -32°C, Outer shell material: Stainless steel 304 or 430

MODEL	COOLING CAPACITY		HEAT TRANSFER AREA (m ²)	LIQUID PIPE (COPPER)		FREON INLET DIA. (mm)	FREON OUTLET DIA. (mm)	FAN (Tube fan, 380V-50Hz)			DIMENSIONS			DEF. (m ³ /h)	WEIGHT (kg)
	R22 (kW)	R404A (kW)		Ø (mm)	Total (m)			N x Ø (mm)	Power (W)	Air flow (m ³ /h)	L (mm)	W (mm)	H (mm)		
	DJ20-73.0TW	20.1	21.1	73.0	16	151.9	1 x Ø16	1 x Ø42	2 x 500	2 x 750	20,600	2,397	930	720	5.4
DJ25-89.2TW	24.5	25.7	89.2	16	184.3	1 x Ø16	1 x Ø42	3 x 500	3 x 750	30,900	2,847	930	720	8.0	219
DJ30-106.2TW	29.2	30.7	106.2	16	218.2	1 x Ø19	1 x Ø54	3 x 500	3 x 750	30,900	3,329	930	720	11.4	239
DJ35-121.7TW	33.5	35.2	121.7	16	249.6	1 x Ø19	1 x Ø54	3 x 500	3 x 750	30,900	3,499	930	770	13.8	256
DJ40-146.5TW	40.3	42.3	146.5	16	293.8	1 x Ø19	1 x Ø54	3 x 500	3 x 750	30,900	3,359	1,030	720	15.9	274
DJ45-158.7TW	43.6	45.8	158.7	16	318.2	1 x Ø22	1 x Ø54	4 x 500	4 x 750	41,200	3,359	1,030	770	17.2	315
DJ50-178.9TW	49.2	51.7	178.9	16	358.4	1 x Ø22	1 x Ø54	4 x 600	4 x 1,500	64,800	3,499	1,100	820	20.3	367
DJ55-193.3TW	53.2	55.9	193.3	16	386.4	1 x Ø22	1 x Ø54	4 x 600	4 x 1,500	64,800	3,749	1,100	820	23.7	382
DJ60-210.2TW	57.8	60.7	210.2	16	420.0	1 x Ø22	1 x Ø65	4 x 600	4 x 1,500	64,800	3,810	1,100	870	26.2	399
DJ70-263.6TW	72.5	76.1	263.6	16	524.8	1 x Ø25	1 x Ø65	4 x 600	4 x 1,500	64,800	4,410	1,100	920	38.6	451
DJ80-299.8TW	82.4	86.5	299.8	16	588.0	1 x Ø25	1 x Ø76	4 x 600	4 x 1,500	64,800	4,521	1,200	820	45.0	478

2. DJ SERIES, WATER DEFROST, MARKET FAN

Model: DJ ; Fin spacing: 10mm ; DT = 7K ; Application Temperature To = -32°C, Outer shell material: Stainless steel 304 or 430

MODEL	COOLING CAPACITY		HEAT TRANSFER AREA (m ²)	LIQUID PIPE (COPPER)		FREON INLET DIA. (mm)	FREON OUTLET DIA. (mm)	FAN (Market fan, 380V-50Hz)			DIMENSIONS			DEF. (m ³ /h)	WEIGHT (kg)
	R22 (kW)	R404A (kW)		Ø (mm)	Total (m)			N x Ø (mm)	Power (W)	Air flow (m ³ /h)	L (mm)	W (mm)	H (mm)		
	DJ06-20.4MW	5.6	5.9	20.4	16	46.4	5 x Ø16	1 x Ø28	2 x 400	2 x 230	9,200	1,433	670	620	0.8
DJ08-29.8MW	8.2	8.6	29.8	16	74.9	1 x Ø16	1 x Ø35	2 x 400	2 x 230	9,200	1,670	670	720	1.4	82
DJ10-33.7MW	9.3	9.8	33.7	16	74.9	1 x Ø16	1 x Ø35	2 x 500	2 x 420	15,600	1,840	670	720	1.8	85
DJ12-44.6MW	12.3	12.9	44.6	16	98.6	1 x Ø16	1 x Ø42	2 x 500	2 x 420	15,600	2,047	670	820	2.7	100
DJ15-54.5MW	15.0	15.8	54.5	16	119.3	1 x Ø16	1 x Ø42	3 x 500	3 x 420	23,400	2,417	670	820	4.1	121
DJ18-62.5MW	17.2	18.1	62.5	16	136.1	1 x Ø16	1 x Ø42	3 x 500	3 x 420	23,400	2,717	670	820	5.3	132
DJ20-73.0MW	20.1	21.1	73.0	16	151.9	1 x Ø16	1 x Ø42	3 x 500	3 x 420	23,400	2,397	770	720	5.4	134
DJ25-89.2MW	24.5	25.7	89.2	16	184.3	1 x Ø16	1 x Ø42	3 x 500	3 x 420	23,400	2,847	770	720	8.0	153
DJ30-106.2MW	29.2	30.7	106.2	16	218.2	1 x Ø19	1 x Ø54	4 x 500	4 x 420	31,200	3,329	770	720	11.4	181
DJ35-121.7MW	33.5	35.2	121.7	16	249.6	1 x Ø19	1 x Ø54	4 x 500	4 x 420	31,200	3,499	770	770	13.8	198
DJ40-146.5MW	40.3	42.3	146.5	16	293.8	1 x Ø19	1 x Ø54	4 x 500	4 x 420	31,200	3,359	870	720	15.9	216
DJ45-158.7MW	43.6	45.8	158.7	16	318.2	1 x Ø22	1 x Ø54	4 x 500	4 x 420	31,200	3,359	870	770	17.2	227
DJ50-178.9MW	49.2	51.7	178.9	16	358.4	1 x Ø22	1 x Ø54	4 x 600	4 x 780	42,000	3,499	870	820	20.3	259
DJ55-193.3MW	53.2	55.9	193.3	16	386.4	1 x Ø22	1 x Ø54	4 x 600	4 x 780	42,000	3,749	870	820	23.7	274
DJ60-210.2MW	57.8	60.7	210.2	16	420.0	1 x Ø22	1 x Ø65	4 x 600	4 x 780	42,000	3,810	870	870	26.2	291
DJ70-263.6MW	72.5	76.1	263.6	16	524.8	1 x Ø25	1 x Ø65	5 x 600	5 x 780	52,500	4,410	870	920	38.6	354
DJ80-299.8MW	82.4	86.5	299.8	16	588.0	1 x Ø25	1 x Ø76	5 x 600	5 x 780	52,500	4,521	970	820	45.0	382

3. DJ SERIES, ELECTRIC HEATING DEFROST, TUBE FAN

Heating pipe detail:

- Electric heating pipe diameter: 8.5 (mm)
- The heat generation rate: 375 ÷ 390 (W/m)
- Outer shell: Stainless steel.
- Performance: Pressure Resistant.

EVAPORATOR DJ AND DD SERIES

Model: DJ ; Fin spacing: 10mm ; DT = 7K ; Application Temperature To = -32°C, Outer shell material: Stainless steel 304 or 430

MODEL	COOLING CAPACITY		HEAT TRANSFER AREA (m ²)	LIQUID PIPE (COPPER)		FREON INLET DIA. (mm)	FREON OUTLET DIA. (mm)	FAN (Tube fan, 380V-50Hz)			DIMENSIONS			DEF. (k.j.s)	WEIGHT (kg)
	R22 (kW)	R404A (kW)		Ø (mm)	Total (m)			N x Ø (mm)	Power (W)	Air flow (m ³ /h)	L (mm)	W (mm)	H (mm)		
	DJ20-73.0TE	20.1	21.1	73.0	16	151.9	1 x Ø16	1 x Ø42	2 x 500	2 x 750	20,600	2,397	930	720	24.3
DJ25-89.2TE	24.5	25.7	89.2	16	184.3	1 x Ø16	1 x Ø42	3 x 500	3 x 750	30,900	2,847	930	720	29.0	232
DJ30-106.2TE	29.2	30.7	106.2	16	218.2	1 x Ø19	1 x Ø54	3 x 500	3 x 750	30,900	3,329	930	720	33.9	254
DJ35-121.7TE	33.5	35.2	121.7	16	249.6	1 x Ø19	1 x Ø54	3 x 500	3 x 750	30,900	3,499	930	770	38.3	273
DJ40-146.5TE	40.3	42.3	146.5	16	293.8	1 x Ø19	1 x Ø54	3 x 500	3 x 750	30,900	3,359	1,030	720	44.0	294
DJ45-158.7TE	43.6	45.8	158.7	16	318.2	1 x Ø22	1 x Ø54	4 x 500	4 x 750	41,200	3,359	1,030	770	48.9	338
DJ50-178.9TE	49.2	51.7	178.9	16	358.4	1 x Ø22	1 x Ø54	4 x 600	4 x 1,500	64,800	3,499	1,100	820	53.6	392

4. DJ SERIES, ELECTRIC HEATING DEFROST, MARKET FAN

Model: DJ ; Fin spacing: 10mm ; DT = 7K ; Application Temperature To = -32°C, Outer shell material: Stainless steel 304 or 430

MODEL	COOLING CAPACITY		HEAT TRANSFER AREA (m ²)	LIQUID PIPE (COPPER)		FREON INLET DIA. (mm)	FREON OUTLET DIA. (mm)	FAN (Market fan, 380V-50Hz)			DIMENSIONS			DEF. (k.j.s)	WEIGHT (kg)
	R22 (kW)	R404A (kW)		Ø (mm)	Total (m)			N x Ø (mm)	Power (W)	Air flow (m ³ /h)	L (mm)	W (mm)	H (mm)		
	DJ06-20.4ME	5.6	5.9	20.4	16	46.4	5 x Ø16	1 x Ø28	2 x 400	2 x 230	9,200	1,433	670	620	8.2
DJ08-29.8ME	8.2	8.6	29.8	16	74.9	1 x Ø16	1 x Ø35	2 x 400	2 x 230	9,200	1,670	670	720	10.7	86
DJ10-33.7ME	9.3	9.8	33.7	16	74.9	1 x Ø16	1 x Ø35	2 x 500	2 x 420	15,600	1,840	670	720	11.9	90
DJ12-44.6ME	12.3	12.9	44.6	16	98.6	1 x Ø16	1 x Ø42	2 x 500	2 x 420	15,600	2,047	670	820	14.7	106
DJ15-54.5ME	15.0	15.8	54.5	16	119.3	1 x Ø16	1 x Ø42	3 x 500	3 x 420	23,400	2,417	670	820	17.5	128
DJ18-62.5ME	17.2	18.1	62.5	16	136.1	1 x Ø16	1 x Ø42	3 x 500	3 x 420	23,400	2,717	670	820	19.7	140
DJ20-73.0ME	20.1	21.1	73.0	16	151.9	1 x Ø16	1 x Ø42	3 x 500	3 x 420	23,400	2,397	770	720	24.3	145
DJ25-89.2ME	24.5	25.7	89.2	16	184.3	1 x Ø16	1 x Ø42	3 x 500	3 x 420	23,400	2,847	770	720	29.0	166
DJ30-106.2ME	29.2	30.7	106.2	16	218.2	1 x Ø19	1 x Ø54	4 x 500	4 x 420	31,200	3,329	770	720	33.9	196
DJ35-121.7ME	33.5	35.2	121.7	16	249.6	1 x Ø19	1 x Ø54	4 x 500	4 x 420	31,200	3,499	770	770	38.3	215
DJ40-146.5ME	40.3	42.3	146.5	16	293.8	1 x Ø19	1 x Ø54	4 x 500	4 x 420	31,200	3,359	870	720	44.0	236
DJ45-158.7ME	43.6	45.8	158.7	16	318.2	1 x Ø22	1 x Ø54	4 x 500	4 x 420	31,200	3,359	870	770	48.9	250
DJ50-178.9ME	49.2	51.7	178.9	16	358.4	1 x Ø22	1 x Ø54	4 x 600	4 x 780	42,000	3,499	870	820	53.6	284

EVAPORATOR DD SERIES

1. DD SERIES, WATER DEFROST, TUBE FAN

Model: DD ; Fin spacing: 6.5mm ; DT = 7K ; Application Temperature To = -18°C, Outer shell material: Stainless steel 304 or 430

MODEL	COOLING CAPACITY		HEAT TRANSFER AREA (m ²)	LIQUID PIPE (COPPER)		FREON INLET DIA. (mm)	FREON OUTLET DIA. (mm)	FAN (Tube fan, 380V-50Hz)			DIMENSIONS			DEF. (m ³ /h)	WEIGHT (kg)
	R22 (kW)	R404A (kW)		Ø (mm)	Total (m)			N x Ø (mm)	Power (W)	Air flow (m ³ /h)	L (mm)	W (mm)	H (mm)		
	DD30-127.8TW	33.3	35.0	127.8	16	172.1	1 x Ø16	1 x Ø42	2 x 500	2 x 750	20,600	2,677	930	720	10.6
DD35-151.7TW	39.6	41.6	151.7	16	203.6	1 x Ø19	1 x Ø54	3 x 500	3 x 750	30,900	2,909	930	770	13.7	258
DD40-172.1TW	44.9	47.1	172.1	16	229.7	1 x Ø19	1 x Ø54	3 x 500	3 x 750	30,900	3,489	930	720	19.2	278
DD45-192.4TW	50.2	52.7	192.4	16	257.0	1 x Ø19	1 x Ø54	3 x 500	3 x 750	30,900	3,359	930	820	20.5	295
DD50-225.3TW	58.8	61.7	225.3	16	293.8	1 x Ø19	1 x Ø54	3 x 500	3 x 750	30,900	3,359	1,030	720	24.0	314
DD55-235.6TW	61.5	64.6	235.6	16	307.2	1 x Ø22	1 x Ø54	3 x 500	3 x 750	30,900	3,499	1,030	720	26.3	323
DD60-255.3TW	66.6	69.9	255.3	16	332.8	1 x Ø22	1 x Ø54	4 x 500	4 x 750	41,200	3,499	1,030	770		

EVAPORATOR DD SERIES

2. DD SERIES, WATER DEFROST, MARKET FAN

Model: DD ; Fin spacing: 6.5mm ; DT = 7K ; Application Temperature To = -18°C, Outer shell material: Stainless steel 304 or 430

MODEL	COOLING CAPACITY		HEAT TRANSFER AREA (m ²)	LIQUID PIPE (COPPER)		FREON INLET DIA. (mm)	FREON OUTLET DIA. (mm)	FAN (Market fan, 380V-50Hz)			DIMENSIONS			DEF. (m ³ /h)	WEIGHT (kg)
	R22 (kW)	R404A (kW)		Ø (mm)	Total (m)			N x Ø (mm)	Power (W)	Air flow (m ³ /h)	L (mm)	W (mm)	H (mm)		
DD05-21.4MW	5.6	5.9	21.4	16	32.0	1 x Ø16	1 x Ø28	2 x 300	2 x 90	4,400	1,273	670	520	0.7	62
DD06-25.3MW	6.6	6.9	25.3	16	49.6	1 x Ø16	1 x Ø28	2 x 300	2 x 90	4,400	1,443	670	520	1.0	67
DD8-33.8MW	8.8	9.2	33.8	16	49.6	1 x Ø16	1 x Ø28	2 x 400	2 x 230	9,200	1,513	670	620	1.4	77
DD10-42.9MW	11.2	11.8	42.9	16	62.0	1 x Ø16	1 x Ø35	2 x 400	2 x 230	9,200	1,830	670	620	2.3	86
DD12-51.5MW	13.4	14.1	51.5	16	74.4	1 x Ø16	1 x Ø35	2 x 500	2 x 420	15,600	1,830	670	720	2.7	95
DD15-66.3MW	17.3	18.2	66.3	16	93.0	1 x Ø16	1 x Ø35	2 x 500	2 x 420	15,600	1,830	720	720	3.5	107
DD18-76.1MW	19.9	20.9	76.1	16	106.2	1 x Ø16	1 x Ø42	2 x 500	2 x 420	15,600	2,057	720	720	4.6	117
DD20-87.0MW	22.7	23.8	87.0	16	122.9	1 x Ø16	1 x Ø42	3 x 500	3 x 420	23,400	2,847	670	720	7.7	143
DD25-105.6MW	27.6	29.0	105.6	16	145.2	1 x Ø16	1 x Ø42	3 x 500	3 x 420	23,400	2,707	720	720	8.8	154
DD30-127.8MW	33.3	35.0	127.8	16	172.1	1 x Ø16	1 x Ø42	3 x 500	3 x 420	23,400	2,677	770	720	10.6	169
DD35-151.7MW	39.6	41.6	151.7	16	203.6	1 x Ø19	1 x Ø54	3 x 500	3 x 420	23,400	2,909	770	770	13.7	192
DD40-172.1MW	44.9	47.1	172.1	16	229.7	1 x Ø19	1 x Ø54	4 x 500	4 x 420	31,200	3,489	770	720	19.2	220
DD45-192.4MW	50.2	52.7	192.4	16	257.0	1 x Ø19	1 x Ø54	4 x 500	4 x 420	31,200	3,359	770	820	20.5	237
DD50-225.3MW	58.8	61.7	225.3	16	293.8	1 x Ø19	1 x Ø54	4 x 500	4 x 420	31,200	3,359	870	720	24.0	256
DD55-235.6MW	61.5	64.6	235.6	16	307.2	1 x Ø22	1 x Ø54	4 x 500	4 x 420	31,200	3,499	870	720	26.3	265
DD60-255.3MW	66.6	69.9	255.3	16	332.8	1 x Ø22	1 x Ø54	4 x 500	4 x 420	31,200	3,499	870	770	28.5	280
DD75-315.7MW	82.4	86.5	315.7	16	409.9	1 x Ø22	1 x Ø65	4 x 600	4 x 780	42,000	3,970	870	820	40.4	343
DD80-338.2MW	88.3	92.7	338.2	16	439.2	1 x Ø22	1 x Ø65	4 x 600	4 x 780	42,000	3,970	870	870	43.3	360

3. DD SERIES, ELECTRIC HEATING DEFROST, TUBE FAN

Model: DD ; Fin spacing: 6.5mm ; DT = 7K ; Application Temperature To = -18°C, Outer shell material: Stainless steel 304 or 430

MODEL	COOLING CAPACITY		HEAT TRANSFER AREA (m ²)	LIQUID PIPE (COPPER)		FREON INLET DIA. (mm)	FREON OUTLET DIA. (mm)	FAN (Tube fan, 380V-50Hz)			DIMENSIONS			DEF. (kJ.s)	WEIGHT (kg)
	R22 (kW)	R404A (kW)		Ø (mm)	Total (m)			N x Ø (mm)	Power (W)	Air flow (m ³ /h)	L (mm)	W (mm)	H (mm)		
DD30-127.8TE	33.3	35.0	127.8	16	172.1	1 x Ø16	1 x Ø42	2 x 500	2 x 750	20,600	2,677	930	720	27.2	218
DD35-151.7TE	39.6	41.6	151.7	16	203.6	1 x Ø19	1 x Ø54	3 x 500	3 x 750	30,900	2,909	930	770	31.6	272
DD40-172.1TE	44.9	47.1	172.1	16	229.7	1 x Ø19	1 x Ø54	3 x 500	3 x 750	30,900	3,489	930	720	35.6	294
DD45-192.4TE	50.2	52.7	192.4	16	257.0	1 x Ø19	1 x Ø54	3 x 500	3 x 750	30,900	3,359	930	820	39.1	312
DD50-225.3TE	58.8	61.7	225.3	16	293.8	1 x Ø19	1 x Ø54	3 x 500	3 x 750	30,900	3,359	1,030	720	44.0	334
DD55-235.6TE	61.5	64.6	235.6	16	307.2	1 x Ø22	1 x Ø54	3 x 500	3 x 750	30,900	3,499	1,030	720	45.9	344
DD60-255.3TE	66.6	69.9	255.3	16	332.8	1 x Ø22	1 x Ø54	4 x 500	4 x 750	41,200	3,499	1,030	770	51.0	392
DD75-315.7TE	82.4	86.5	315.7	16	409.9	1 x Ø22	1 x Ø65	4 x 600	4 x 1,500	64,800	3,970	1,100	820	60.8	479
DD80-338.2TE	88.3	92.7	338.2	16	439.2	1 x Ø22	1 x Ø65	4 x 600	4 x 1,500	64,800	3,970	1,100	870	63.7	499

4. DD SERIES, ELECTRIC HEATING DEFROST, MARKET FAN

Model: DD ; Fin spacing: 6.5mm ; DT = 7K ; Application Temperature To = -18°C, Outer shell material: Stainless steel 304 or 430

MODEL	COOLING CAPACITY		HEAT TRANSFER AREA (m ²)	LIQUID PIPE (COPPER)		FREON INLET DIA. (mm)	FREON OUTLET DIA. (mm)	FAN (Market fan, 380V-50Hz)			DIMENSIONS			DEF. (kJ.s)	WEIGHT (kg)
	R22 (kW)	R404A (kW)		Ø (mm)	Total (m)			N x Ø (mm)	Power (W)	Air flow (m ³ /h)	L (mm)	W (mm)	H (mm)		
DD05-21.4ME	5.6	5.9	21.4	16	32.0	1 x Ø16	1 x Ø28	2 x 300	2 x 90	4,400	1,273	670	520	6.3	64
DD06-25.3ME	6.6	6.9	25.3	16	49.6	1 x Ø16	1 x Ø28	2 x 300	2 x 90	4,400	1,443	670	520	7.2	70

EVAPORATOR DD AND DL SERIES

Model: DD ; Fin spacing: 6.5mm ; DT = 7K ; Application Temperature To = -18°C, Outer shell material: Stainless steel 304 or 430

MODEL	COOLING CAPACITY		HEAT TRANSFER AREA (m ²)	LIQUID PIPE (COPPER)		FREON INLET DIA. (mm)	FREON OUTLET DIA. (mm)	FAN (Market fan, 380V-50Hz)			DIMENSIONS			DEF. (kJ.s)	WEIGHT (kg)
	R22 (kW)	R404A (kW)		Ø (mm)	Total (m)			N x Ø (mm)	Power (W)	Air flow (m ³ /h)	L (mm)	W (mm)	H (mm)		
DD8-33.8ME	8.8	9.2	33.8	16	49.6	1 x Ø16	1 x Ø28	2 x 400	2 x 230	9,200	1,513	670	620	8.6	80
DD10-42.9ME	11.2	11.8	42.9	16	62.0	1 x Ø16	1 x Ø35	2 x 400	2 x 230	9,200	1,830	670	620	10.5	90
DD12-51.5ME	13.4	14.1	51.5	16	74.4	1 x Ø16	1 x Ø35	2 x 500	2 x 420	15,600	1,830	670	720	11.8	100
DD15-66.3ME	17.3	18.2	66.3	16	93.0	1 x Ø16	1 x Ø35	2 x 500	2 x 420	15,600	1,830	720	720	17.1	114
DD18-76.1ME	19.9	20.9	76.1	16	106.2	1 x Ø16	1 x Ø42	2 x 500	2 x 420	15,600	2,057	720	720	19.2	125
DD20-87.0ME	22.7	23.8	87.0	16	122.9	1 x Ø16	1 x Ø42	3 x 500	3 x 420	23,400	2,847	670	720	18.6	150
DD25-105.6ME	27.6	29.0	105.6	16	145.2	1 x Ø16	1 x Ø42	3 x 500	3 x 420	23,400	2,707	720	720	25.5	165
DD30-127.8ME	33.3	35.0	127.8	16	172.1	1 x Ø16	1 x Ø42	3 x 500	3 x 420	23,400	2,677	770	720	27.2	181
DD35-151.7ME	39.6	41.6	151.7	16	203.6	1 x Ø19	1 x Ø54	3 x 500	3 x 420	23,400	2,909	770	770	31.6	206
DD40-172.1ME	44.9	47.1	172.1	16	229.7	1 x Ø19	1 x Ø54	4 x 500	4 x 420	31,200	3,489	770	720	35.6	236
DD45-192.4ME	50.2	52.7	192.4	16	257.0	1 x Ø19	1 x Ø54	4 x 500	4 x 420	31,200	3,359	770	820	39.1	254
DD50-225.3ME	58.8	61.7	225.3	16	293.8	1 x Ø19	1 x Ø54	4 x 500	4 x 420	31,200	3,359	870	720	44.0	276
DD55-235.6ME	61.5	64.6	235.6	16	307.2	1 x Ø22	1 x Ø54	4 x 500	4 x 420	31,200	3,499	870	720	45.9	286
DD60-255.3ME	66.6	69.9	255.3	16	332.8	1 x Ø22	1 x Ø54	4 x 500	4 x 420	31,200	3,499	870	770	51.0	304
DD75-315.7ME	82.4	86.5	315.7	16	409.9	1 x Ø22	1 x Ø65	4 x 600	4 x 780	42,000	3,970	870	820	60.8	371
DD80-338.2ME	88.3	92.7	338.2	16	439.2	1 x Ø22	1 x Ø65	4 x 600	4 x 780	42,000	3,970	870	870	63.7	391

EVAPORATOR DL SERIES

1. DL SERIES, ELECTRIC HEATING DEFROST, MARKET FAN

Model: DL ; Fin spacing: 4.5mm ; DT = 7K ; Application Temperature To = 5°C, Outer shell material: Stainless steel 304 or 430

MODEL	COOLING CAPACITY		HEAT TRANSFER AREA (m ²)	LIQUID PIPE (COPPER)		FREON INLET DIA. (mm)	FREON OUTLET DIA. (mm)	FAN (Market fan, 380V-50Hz)			DIMENSIONS			DEF. (kJ.s)	WEIGHT (kg)
	R22 (kW)	R404A (kW)		Ø (mm)	Total (m)			N x Ø (mm)	Power (W)	Air flow (m ³ /h)	L (mm)	W (mm)	H (mm)		
DL06-30.6ME	9.0	9.5	30.6	16	32.0	1 x Ø16	1 x Ø28	2 x 300	2 x 90	4,400	1,273	670	520	6.3	69
DL08-38.9ME	11.4	12.0	38.9	16	49.6	1 x Ø16	1 x Ø28	2 x 300	2 x 90	4,400	1,513	670	520	7.6	78
DL10-48.6ME	14.3	15.0	48.6	16	49.6	1 x Ø16	1 x Ø28	2 x 400	2 x 230	9,200	1,513	670	620	8.6	88
DL12-61.2ME	17.9	18.8	61.2	16	61.6	1 x Ø16	1 x Ø35	2 x 400	2 x 230	9,200	1,820	670	620	10.4	99
DL15-74.1ME	21.7	22.8	74.1	16	74.4	1 x Ø16	1 x Ø35	2 x 500	2 x 420	15,600	1,830	670	720	11.8	111
DL17.5-85.3ME	25.0	26.3	85.3	16	85.0	1 x Ø16	1 x Ø35	2 x 500	2 x 420	15,600	2,050	670	720	13.3	122
DL20-97.9ME	28.7	30.1	97.9	16	97.0	1 x Ø16	1 x Ø42	3 x 500	3 x 420	23,400	2,307	670	720	15.0	142
DL24-117.3ME	34.4	36.1	117.3	16	115.2	1 x Ø16	1 x Ø42	3 x 500	3 x 420	23,400	2,687	670	720	17.6	161
DL30-154.4ME	45.3	47.6	154.4	16	145.4	1 x Ø16	1 x Ø42	3 x 500	3 x 420	23,400	2,307	770	720	23.3	182
DL35-180.1ME	52.8	55.4	180.1	16	169.7	1 x Ø16	1 x Ø42	3 x 500	3 x 420	23,400	2,307	770	820	26.6	203
DL40-197.7ME	58.0	60.9	197.7	16	184.3	1 x Ø16	1 x Ø42	3 x 500	3 x 420	23,400	2,847	770	720	29.0	219
DL45-197.7ME	64.3	67.5	219.2	16	204.4	1 x Ø19	1 x Ø54	3 x 500	3 x 420	23,400	2,919	770	770	31.7	237
DL50-240.9ME	70.7	74.2	240.9	16	223.2	1 x Ø19	1 x Ø54	4 x 500	4 x 420	31,200	3,399	770	720	34.7	264
DL55-269.6ME	79.1	83.1	269.6	16	249.6	1 x Ø19	1 x Ø54	4 x 500	4 x 420	31,200	3,499	770	770	38.3	287
DL60-290.3ME	85.1	89.4	290.3	16	268.8	1 x Ø19	1 x Ø54	4 x 500	4 x 420	31,200	3,499	770	820	40.8	303
DL70-340.0ME	99.7	104.													

EVAPORATOR DL SERIES

2. DL SERIES, WITHOUT DEFROST, MARKET FAN

Model: DL ; Fin spacing: 4.5mm ; DT = 7K ; Application Temperature To = 5°C, Outer shell material: Stainless steel 304 or 430

MODEL	COOLING CAPACITY		HEAT TRANSFER AREA (m ²)	LIQUID PIPE (COPPER)		FREON INLET DIA. (mm)	FREON OUTLET DIA. (mm)	FAN (Market fan, 380V-50Hz)			DIMENSIONS			DEF. (kJ.s)	WEIGHT (kg)
	R22 (kW)	R404A (kW)		Ø (mm)	Total (m)			N x Ø (mm)	Power (W)	Air flow (m ³ /h)	L (mm)	W (mm)	H (mm)		
DL06-30.6MN	8.5	8.9	30.6	16	32.0	1 x Ø16	1 x Ø28	2 x 300	2 x 90	4,400	1,273	670	520	0.0	66
DL08-38.9MN	10.8	11.3	38.9	16	49.6	1 x Ø16	1 x Ø28	2 x 300	2 x 90	4,400	1,513	670	520	0.0	74
DL10-48.6MN	13.5	14.2	48.6	16	49.6	1 x Ø16	1 x Ø28	2 x 400	2 x 230	9,200	1,513	670	620	0.0	83
DL12-61.2MN	17.0	17.9	61.2	16	61.6	1 x Ø16	1 x Ø35	2 x 400	2 x 230	9,200	1,820	670	620	0.0	93
DL15-74.1MN	20.6	21.6	74.1	16	74.4	1 x Ø16	1 x Ø35	2 x 500	2 x 420	15,600	1,830	670	720	0.0	105
DL17.5-85.3MN	23.8	25.0	85.3	16	85.0	1 x Ø16	1 x Ø35	2 x 500	2 x 420	15,600	2,050	670	720	0.0	115
DL20-97.9MN	27.3	28.7	97.9	16	97.0	1 x Ø16	1 x Ø42	3 x 500	3 x 420	23,400	2,307	670	720	0.0	134
DL24-117.3MN	32.7	34.3	117.3	16	115.2	1 x Ø16	1 x Ø42	3 x 500	3 x 420	23,400	2,687	670	720	0.0	152
DL30-154.4MN	43.0	45.2	154.4	16	145.4	1 x Ø16	1 x Ø42	3 x 500	3 x 420	23,400	2,307	770	720	0.0	169
DL35-180.1MN	50.2	52.7	180.1	16	169.7	1 x Ø16	1 x Ø42	3 x 500	3 x 420	23,400	2,307	770	820	0.0	189
DL40-197.7MN	55.1	57.9	197.7	16	184.3	1 x Ø16	1 x Ø42	3 x 500	3 x 420	23,400	2,847	770	720	0.0	203
DL45-197.7MN	61.1	64.2	219.2	16	204.4	1 x Ø19	1 x Ø54	3 x 500	3 x 420	23,400	2,919	770	770	0.0	220
DL50-240.9MN	67.1	70.5	240.9	16	223.2	1 x Ø19	1 x Ø54	4 x 500	4 x 420	31,200	3,399	770	720	0.0	245
DL55-269.6MN	75.1	78.9	269.6	16	249.6	1 x Ø19	1 x Ø54	4 x 500	4 x 420	31,200	3,499	770	770	0.0	266
DL60-290.3MN	80.9	84.9	290.3	16	268.8	1 x Ø19	1 x Ø54	4 x 500	4 x 420	31,200	3,499	770	820	0.0	281
DL70-340.0MN	94.7	99.4	340.0	16	307.2	1 x Ø22	1 x Ø54	4 x 500	4 x 420	31,200	3,499	870	720	0.0	306
DL80-390.8MN	108.9	114.3	390.8	16	351.4	1 x Ø22	1 x Ø54	4 x 500	4 x 420	31,200	3,959	870	720	0.0	351

3. DL SERIES, ELECTRIC HEATING DEFROST, TUBE FAN

Model: DL ; Fin spacing: 4.5mm ; DT = 7K ; Application Temperature To = 5°C, Outer shell material: Stainless steel 304 or 430

MODEL	COOLING CAPACITY		HEAT TRANSFER AREA (m ²)	LIQUID PIPE (COPPER)		FREON INLET DIA. (mm)	FREON OUTLET DIA. (mm)	FAN (Tube fan, 380V-50Hz)			DIMENSIONS			DEF. (kJ.s)	WEIGHT (kg)
	R22 (kW)	R404A (kW)		Ø (mm)	Total (m)			N x Ø (mm)	Power (W)	Air flow (m ³ /h)	L (mm)	W (mm)	H (mm)		
DL40-197.7TE	58.0	60.9	197.7	16	184.3	1 x Ø16	1 x Ø42	2 x 500	2 x 750	20,600	2,847	930	720	29.0	255
DL45-197.7TE	64.3	67.5	219.2	16	204.4	1 x Ø19	1 x Ø54	3 x 500	3 x 750	30,900	2,919	930	770	31.7	303
DL50-240.9TE	70.7	74.2	240.9	16	223.2	1 x Ø19	1 x Ø54	3 x 500	3 x 750	30,900	3,399	930	720	34.7	322
DL55-269.6TE	79.1	83.1	269.6	16	249.6	1 x Ø19	1 x Ø54	3 x 500	3 x 750	30,900	3,499	930	770	38.3	345
DL60-290.3TE	85.1	89.4	290.3	16	268.8	1 x Ø19	1 x Ø54	3 x 500	3 x 750	30,900	3,499	930	820	40.8	361
DL70-340.0TE	99.7	104.7	340.0	16	307.2	1 x Ø22	1 x Ø54	3 x 500	3 x 750	30,900	3,499	1,030	720	45.9	388
DL80-390.8TE	114.6	120.3	390.8	16	351.4	1 x Ø22	1 x Ø54	4 x 500	4 x 750	41,200	3,959	1,030	720	52.1	487

4. DL SERIES, WITHOUT DEFROST, TUBE FAN

Model: DL ; Fin spacing: 4.5mm ; DT = 7K ; Application Temperature To = 5°C, Outer shell material: Stainless steel 304 or 430

MODEL	COOLING CAPACITY		HEAT TRANSFER AREA (m ²)	LIQUID PIPE (COPPER)		FREON INLET DIA. (mm)	FREON OUTLET DIA. (mm)	FAN (Tube fan, 380V-50Hz)			DIMENSIONS			DEF. (kJ.s)	WEIGHT (kg)
	R22 (kW)	R404A (kW)		Ø (mm)	Total (m)			N x Ø (mm)	Power (W)	Air flow (m ³ /h)	L (mm)	W (mm)	H (mm)		
DL40-197.7TN	55.1	57.9	197.7	16	184.3	1 x Ø16	1 x Ø42	2 x 500	2 x 750	20,600	2,847	930	720	0.0	239
DL45-197.7TN	61.1	64.2	219.2	16	204.4	1 x Ø19	1 x Ø54	3 x 500	3 x 750	30,900	2,919	930	770	0.0	286
DL50-240.9TN	67.1	70.5	240.9	16	223.2	1 x Ø19	1 x Ø54	3 x 500	3 x 750	30,900	3,399	930	720	0.0	303
DL55-269.6TN	75.1	78.9	269.6	16	249.6	1 x Ø19	1 x Ø54	3 x 500	3 x 750	30,900	3,499	930	770	0.0	324
DL60-290.3TN	80.9	84.9	290.3	16	268.8	1 x Ø19	1 x Ø54	3 x 500	3 x 750	30,900	3,499	930	820	0.0	339
DL70-340.0TN	94.7	99.4	340.0	16	307.2	1 x Ø22	1 x Ø54	3 x 500	3 x 750	30,900	3,499	1,030	720	0.0	364
DL80-390.8TN	108.9	114.3	390.8	16	351.4	1 x Ø22	1 x Ø54	4 x 500	4 x 750	41,200	3,959	1,030	720	0.0	459

SHELL AND TUBE HEAT EXCHANGERS



- The condensing heat exchange tube adopts the double side strength ened heat exchange tube with inside and outside screw thread, the Heat Exchange area per unit length is big, so efficiency is high.

- The safety devices are equipped to assure safety for high te mperature and pressure.

- The pressure vessels have good quality weldings that make it no debris and impurities left, Improve the performance and service life of the unit.

- We manufacture based on technical drawings and customer requirements.

- Widely used in systems: cold storage, chiller, dryer, ...

- Manufacture and examination strictly according to our standard, to ensure the quality of the products.

- The inner copper pipe is high efficient grooved type, increase heat transfer area on fluorine side. The tube body of the evaporator is provided with a drainage interface to facilitate sewage discharge and cleaning, so as to avoid the accumulation of water in the shell course of the evaporator from freezing and breaking the heat exchange pipe when the ambient temperature is too low.

- Reasonable design, ensure efficient heat transfer evaporator, can be widely used in various industrial chillers and air conditioning.

- Use materials provide excellent resistance to corrosion, ensuring the cooler can withstand harsh environments.

- Large Surface Area: Use the tube with inside and outside screw thread, the Heat Exchange area per unit length is big, so efficiency is high. The design includes a large surface area for heat exchange, facilitating efficient heat transfer from the oil to the cooling fluid.

- Structural Integrity: The robust construction ensures the cooler can handle significant pressure without deformation or failure.

SHELL AND TUBE CONDENSER

SHELL AND TUBE EVAPORATOR

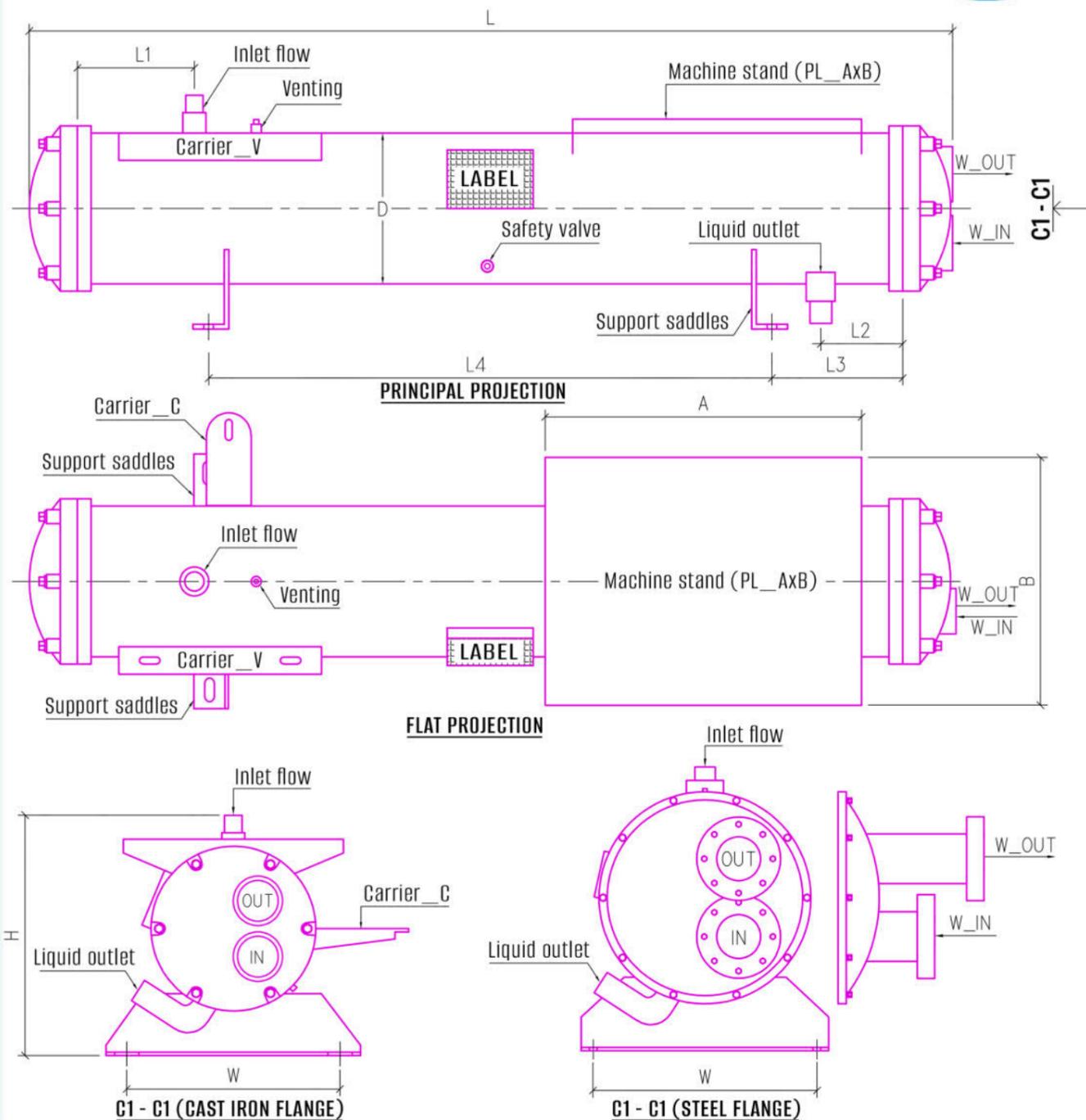
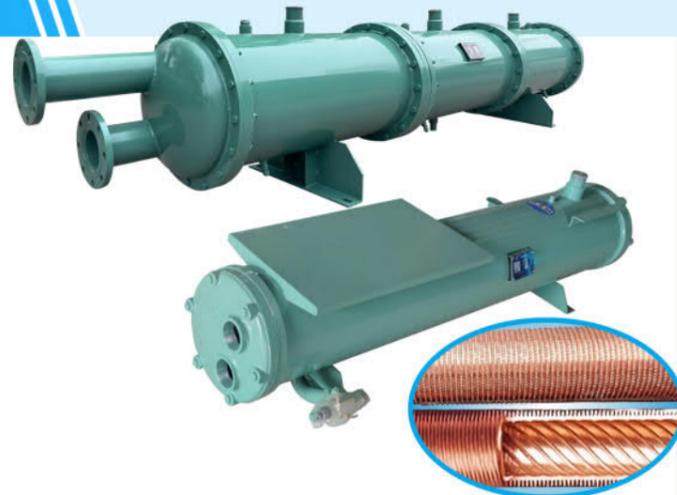
SHELL AND TUBE OIL COOLER

SHELL AND TUBE CONDENSER

CONDENSER WITHOUT LIQUID STORAGE

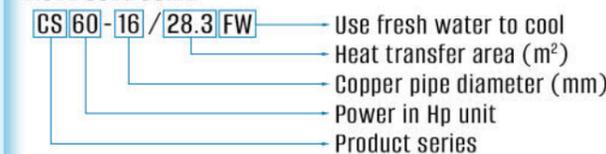
DESIGN SPECIFICATIONS

- Fin parameters: H0.65÷0.75 ; W0.2 (mm)
- Fin spacing: 0.4 (mm)
- Inlet water temperature: $T_1 = 35$ (°C)
- Outlet water temperature: $T_2 = 30$ (°C)
- Condensing Temperature: $T_c = 40$ (°C)
- Water velocity in copper pipe: 1.5÷2 (m/s)
- Capacity conversion: 1RT = 3.516kW
- Actual working pressure conditions:
 - + Pressure in the tubes: 1.0 MPa (≈ 10.2 kg/cm²)
 - + Pressure on the shell: 2.8 MPa (≈ 28.6 kg/cm²)



CONDENSER WITHOUT LIQUID STORAGE

MODE CODE GUIDE



SHELL AND TUBE CONDENSER USES COPPER PIPE DIAMETER Ø19

Fins on pipe surface: H_0.65 x W_0.2 (mm); Pipe diameter before/after finning: Ø19.05/18.2mm ; Heat transfer coefficient K = 650 ÷ 720 (W/m²K)

MODEL	COOLING CAPACITY (kW)	HEAT TRANSFER AREA (m ²)	COPPER PIPE (t = 1.2mm)		DIMENSIONS (mm)											WEIGHT (kg)	
			Total length (m)	Ø (mm)	L	L1	L2	L3	L4	H	W	Steel pipe (D x t)	PL_AxB	Inlet (Ø)	Outlet (Ø)		Water In/Out (Ø)
CS10-19/4.7FW	23.4	4.7	20.0	19	1,150	170	210	100	800	354	310	219.08x5.00	460 x 360	1xØ28	1xØ19	60	72
CS15-19/7.1FW	35.2	7.1	31.2	19	1,350	170	210	100	1,000	354	310	219.08x5.00	460 x 360	1xØ28	1xØ19	60	82
CS20-19/9.4FW	46.9	9.4	40.8	19	1,350	170	210	100	1,000	354	310	219.08x5.00	460 x 360	1xØ35	1xØ19	60	89
CS25-19/11.8FW	58.6	11.8	50.4	19	1,350	170	210	100	1,000	424	320	273.05x5.00	540 x 390	1xØ35	1xØ22	76	127
CS30-19/14.2FW	70.3	14.2	60.0	19	1,650	170	210	100	1,300	424	320	273.05x5.00	540 x 390	1xØ35	1xØ22	76	143
CS35-19/16.5FW	82.0	16.5	72.0	19	1,650	170	210	100	1,300	424	320	273.05x5.00	540 x 390	1xØ42	1xØ22	76	149
CS40-19/18.9FW	93.8	18.9	81.0	19	1,650	170	210	100	1,300	424	320	273.05x5.00	540 x 390	1xØ42	1xØ22	76	153
CS45-19/21.2FW	105.5	21.2	90.0	19	1,650	170	210	100	1,300	424	320	273.05x5.00	540 x 390	1xØ42	1xØ22	76	158
CS50-19/23.6FW	117.2	23.6	102.0	19	1,650	170	210	100	1,300	507	370	323.85x6.35	-	1xØ54	1xØ28	90	196
CS60-19/28.3FW	140.6	28.3	120.0	19	1,650	170	210	100	1,300	507	370	323.85x6.35	-	1xØ54	1xØ28	90	205
CS70-19/33.0FW	164.1	33.0	139.4	19	1,850	180	230	1240	507	370	323.85x6.35	-	1xØ54	1xØ28	90	227	
CS80-19/37.8FW	187.5	37.8	160.0	19	2,150	200	170	230	1,540	507	370	323.85x6.35	-	1xØ54	1xØ28	90	248
CS100-19/47.2FW	234.4	47.2	200.0	19	2,150	200	160	270	1,460	547	370	355.60x6.35	-	1xØ65	1xØ28	90	290
CS120-19/56.7FW	281.3	56.7	242.0	19	2,350	200	180	270	1,660	547	370	355.60x6.35	-	1xØ65	1xØ35	90	321
CS135-19/63.7FW	316.4	63.7	272.0	19	2,420	250	170	250	1,500	626	400	406.40x7.93	-	1xØ65	1xØ35	DN100	447
CS150-19/70.8FW	351.6	70.8	300.0	19	2,420	250	170	250	1,500	626	400	406.40x7.93	-	1xØ76	1xØ35	DN100	461
CS160-19/75.5FW	375.0	75.5	321.2	19	2,620	250	180	270	1,660	626	400	406.40x7.93	-	1xØ76	1xØ42	DN100	488
CS170-19/80.3FW	398.5	80.3	343.2	19	2,620	250	180	270	1,660	626	400	406.40x7.93	-	1xØ76	1xØ42	DN100	499
CS180-19/85.0FW	421.9	85.0	360.0	19	2,820	250	200	300	1,800	626	400	406.40x7.93	-	1xØ76	1xØ42	DN100	523
CS190-19/89.7FW	445.4	89.7	379.2	19	2,820	250	200	300	1,800	626	400	406.40x7.93	-	1xØ76	1xØ42	DN100	533
CS200-19/94.4FW	468.8	94.4	400.4	19	2,680	250	200	300	1,600	717	450	457.20x9.53	-	1xØN80	1xØ42	DN125	622
CS225-19/106.2FW	527.4	106.2	450.0	19	2,980	250	200	320	1,860	717	450	457.20x9.53	-	1xØN80	1xØ42	DN125	679
CS250-19/118.0FW	586.0	118.0	500.0	19	2,980	250	220	320	1,860	717	450	457.20x9.53	-	1xØN100	1xØ54	DN125	704
CS275-19/129.8FW	644.6	129.8	550.0	19	3,050	250	210	320	1,860	788	500	508.00x9.53	-	1xØN100	1xØ54	DN125	836
CS300-19/141.6FW	703.2	141.6	600.0	19	3,050	250	210	320	1,860	788	500	508.00x9.53	-	1xØN100	1xØ54	DN125	861
CS325-19/153.4FW	761.8	153.4	650.0	19	3,050	250	210	320	1,860	788	500	508.00x9.53	-	1xØN100	1xØ54	DN125	885
CS350-19/165.2FW	820.4	165.2	700.0	19	3,050	250	210	320	1,860	788	500	508.00x9.53	-	1xØN100	1xØ54	DN125	916
CS400-19/188.8FW	937.6	188.8	800.0	19	3,100	250	210	340	1,820	844	550	558.80x9.53	-	1xØN125	1xØ65	DN150	1,049

SHELL AND TUBE CONDENSER USES COPPER PIPE DIAMETER Ø16

Fins on pipe surface: H_0.65 x W_0.2 (mm); Pipe diameter before/after finning: Ø15.88/15.6mm ; Heat transfer coefficient K = 650 ÷ 720 (W/m²K)

MODEL	COOLING CAPACITY (kW)	HEAT TRANSFER AREA (m ²)	COPPER PIPE (t = 1.1mm)		DIMENSIONS (mm)											WEIGHT (kg)	
			Total length (m)	Ø (mm)	L	L1	L2	L3	L4	H	W	Steel pipe (D x t)	PL_AxB	Inlet (Ø)	Outlet (Ø)		Water In/Out (Ø)
CS10-16/4.7FW	23.4	4.7	24.0	16	1,150	170	210	100	800	354	310	219.08x5.00	460 x 360	1xØ28	1xØ19	60	72
CS15-16/7.1FW	35.2	7.1	33.6	16	1,350	170	210	100	1,000	354	310	219.08x5.00	460 x 360	1xØ28	1xØ19	60	82
CS20-16/9.4FW	46.9	9.4	45.6	16	1,350	170	210	100	1,000	354	310	219.08x5.00	460 x 360	1xØ35	1xØ19	60	89
CS25-16/11.8FW	58.6	11.8	57.6	16	1,350	170	210	100	1,000	424	320	273.05x5.00	540 x 390	1xØ35	1xØ22	76	127

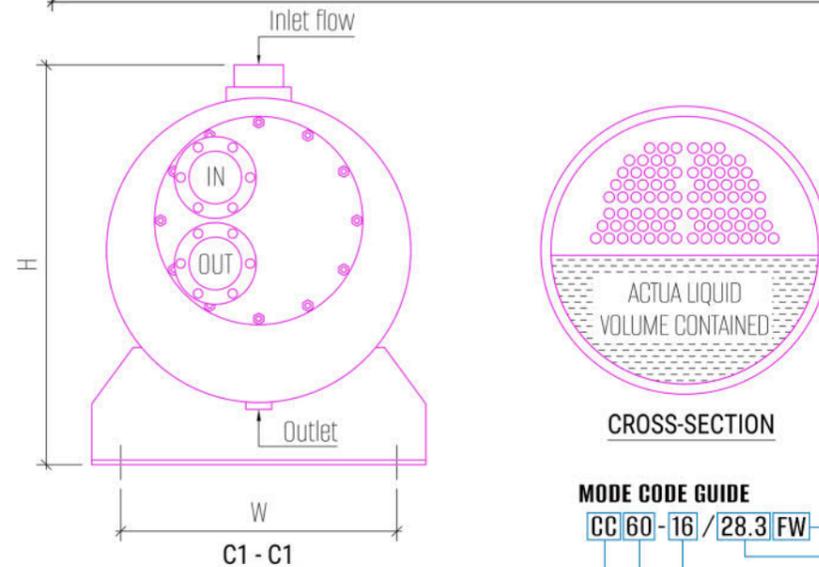
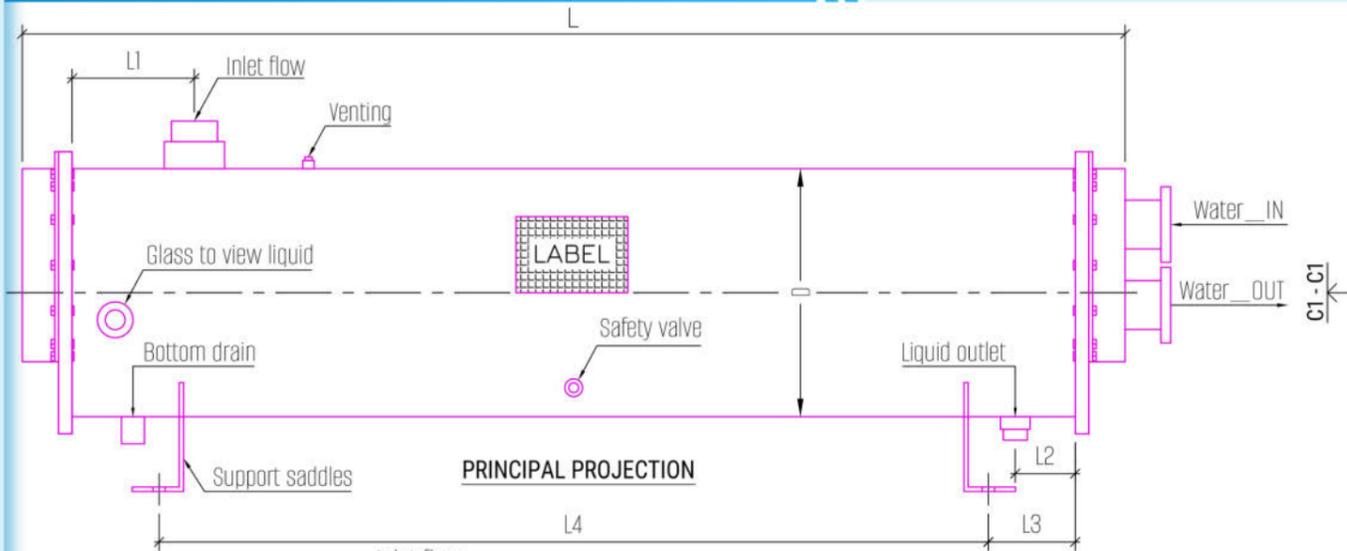
CONDENSER WITHOUT LIQUID STORAGE FUNCTION

SHELL AND TUBE CONDENSER USES COPPER PIPE DIAMETER Ø16

Fins on pipe surface: H_0.65 x W_0.2 (mm); Pipe diameter before/after finning: Ø15.88/15.6mm; Heat transfer coefficient K = 650 ÷ 720 (W/m²K)

MODEL	COOLING CAPACITY (kW)	HEAT TRANSFER AREA (m²)	COPPER PIPE (t = 1.1mm)		DIMENSIONS (mm)												WEIGHT (kg)
			Total length (m)	Ø (mm)	L	L1	L2	L3	L4	H	W	Steel pipe (D x t)	PL_AxB	Inlet (Ø)	Outlet (Ø)	Water In/Out (Ø)	
CS30-16/14.2FW	70.3	14.2	69.0	16	1,650	170	210	100	1,300	424	320	273.05x5.00	540 x 390	1xØ35	1xØ22	76	143
CS35-16/16.5FW	82.0	16.5	81.0	16	1,650	170	210	100	1,300	424	320	273.05x5.00	540 x 390	1xØ42	1xØ22	76	149
CS40-16/18.9FW	93.8	18.9	90.0	16	1,650	170	210	100	1,300	424	320	273.05x5.00	540 x 390	1xØ42	1xØ22	76	153
CS45-16/21.2FW	105.5	21.2	102.0	16	1,650	170	210	100	1,300	424	320	273.05x5.00	540 x 390	1xØ42	1xØ22	76	158
CS50-16/23.6FW	117.2	23.6	114.0	16	1,650	170	210	100	1,300	507	370	323.85x6.35	-	1xØ54	1xØ28	90	196
CS60-16/28.3FW	140.6	28.3	135.0	16	1,650	170	210	100	1,300	507	370	323.85x6.35	-	1xØ54	1xØ28	90	205
CS70-16/33.0FW	164.1	33.0	159.8	16	1,850	180	170	230	1,240	507	370	323.85x6.35	-	1xØ54	1xØ28	90	227
CS80-16/37.8FW	187.5	37.8	180.0	16	2,150	200	170	230	1,540	507	370	323.85x6.35	-	1xØ54	1xØ28	90	248
CS100-16/47.2FW	234.4	47.2	228.0	16	2,150	200	160	270	1,460	547	370	355.60x6.35	-	1xØ65	1xØ28	90	290
CS120-16/56.7FW	281.3	56.7	272.8	16	2,350	200	180	270	1,660	547	370	355.60x6.35	-	1xØ65	1xØ35	90	321

CONDENSER WITH LIQUID STORAGE FUNCTION



MODE CODE GUIDE

CC 60 - 16 / 28.3 FW

- CC: Product series
- 60: Power in Hp unit
- 16: Copper pipe diameter (mm)
- 28.3: Heat transfer area (m²)
- FW: Use fresh water to cool

CONDENSER WITH LIQUID STORAGE FUNCTION

CONDENSER LIQUID STORAGE USES COPPER PIPE DIAMETER Ø19

Fins on pipe surface: H_0.65 x W_0.2 (mm); Pipe diameter before/after finning: Ø19.05/18.2mm; Heat transfer coefficient K = 650 ÷ 720 (W/m²K)

MODEL	COOLING CAPACITY (kW)	HEAT TRANSFER AREA (m²)	COPPER PIPE (t = 1.2mm)		DIMENSIONS (mm)												ACTUAL LIQUID STORAGE (lit)	WEIGHT (kg)
			Total length (m)	Ø (mm)	L	L1	L2	L3	L4	H	W	Steel pipe (D x t)	Inlet (Ø)	Outlet (Ø)	Water In/Out (Ø)			
CC10-19/4.7FW	23.4	4.7	20.0	19	1,250	170	210	100	800	424	320	273.05x5.00	1xØ28	1xØ19	60	27.1	110	
CC15-19/7.1FW	35.2	7.1	31.2	19	1,450	170	210	100	1,000	424	320	273.05x5.00	1xØ28	1xØ19	60	26.4	122	
CC20-19/9.4FW	46.9	9.4	40.8	19	1,450	170	210	100	1,000	424	320	273.05x5.00	1xØ35	1xØ19	60	21.9	128	
CC25-19/11.8FW	58.6	11.8	51.0	19	1,750	170	210	100	1,300	424	320	273.05x5.00	1xØ35	1xØ22	76	27.6	141	
CC30-19/14.2FW	70.3	14.2	60.0	19	1,800	170	210	100	1,300	507	370	323.85x6.35	1xØ35	1xØ22	76	51.5	191	
CC35-19/16.5FW	82.0	16.5	72.0	19	1,800	170	210	100	1,300	507	370	323.85x6.35	1xØ42	1xØ22	76	49.3	197	
CC40-19/18.9FW	93.8	18.9	81.0	19	1,800	170	230	100	1,300	547	370	355.60x6.35	1xØ42	1xØ22	76	58.0	211	
CC50-19/23.6FW	117.2	23.6	102.0	19	1,850	180	230	100	1,300	626	400	406.40x7.93	1xØ54	1xØ28	90	86.3	285	
CC60-19/28.3FW	140.6	28.3	121.6	19	1,950	180	230	100	1,400	626	400	406.40x7.93	1xØ54	1xØ28	90	79.6	303	
CC70-19/33.0FW	164.1	33.0	139.4	19	1,845	180	160	240	1,220	687	450	457.20x9.53	1xØ54	1xØ28	90	95.6	375	
CC80-19/37.8FW	187.5	37.8	159.8	19	1,845	200	160	240	1,220	687	450	457.20x9.53	1xØ54	1xØ28	90	95.6	380	
CC100-19/47.2FW	234.4	47.2	200.0	19	2,145	200	160	270	1,460	687	450	457.20x9.53	1xØ65	1xØ28	90	113.1	431	
CC120-19/56.7FW	281.3	56.7	240.0	19	2,400	200	160	260	1,480	788	500	508.00x9.53	1xØ65	1xØ35	DN100	145.3	539	
CC135-19/63.7FW	316.4	63.7	272.8	19	2,600	250	160	270	1,660	788	500	508.00x9.53	1xØ65	1xØ35	DN100	160.4	615	
CC150-19/70.8FW	351.6	70.8	300.0	19	2,400	250	160	260	1,480	844	550	558.80x9.53	1xØ76	1xØ35	DN100	204.1	681	
CC180-19/85.0FW	421.9	85.0	360.0	19	2,800	250	180	300	1,800	844	550	558.80x9.53	1xØ76	1xØ42	DN100	246.4	766	
CC200-19/94.4FW	468.8	94.4	400.4	19	2,680	250	180	300	1,600	920	600	609.60x12.70	1xDN80	1xØ42	DN125	243.2	943	
CC225-19/106.2FW	527.4	106.2	450.0	19	2,980	250	180	320	1,860	920	600	609.60x12.70	1xDN80	1xØ42	DN125	277.4	1,027	
CC250-19/118.0FW	586.0	118.0	504.0	19	3,280	250	200	350	2,100	920	600	609.60x12.70	1xDN100	1xØ54	DN125	311.7	1,113	
CC275-19/129.8FW	644.6	129.8	548.8	19	3,280	250	200	350	2,100	920	600	609.60x12.70	1xDN100	1xØ54	DN125	311.7	1,135	
CC300-19/141.6FW	703.2	141.6	600.0	19	3,020	250	190	320	1,860	970	700	660.00x12.70	1xDN100	1xØ54	DN125	350.5	1,203	
CC325-19/153.4FW	761.8	153.4	649.6	19	3,320	250	200	350	2,100	970	700	660.00x12.70	1xDN100	1xØ54	DN125	393.9	1,292	
CC350-19/165.2FW	820.4	165.2	700.0	19	3,060	250	200	350	1,800	1,021	700	711.20x15.88	1xDN100	1xØ54	DN125	394.3	1,466	
CC400-19/188.8FW	937.6	188.8	800.8	19	3,360	250	200	350	2,100	1,021	700	711.20x15.88	1xDN125	1xØ65	DN150	443.2	1,598	

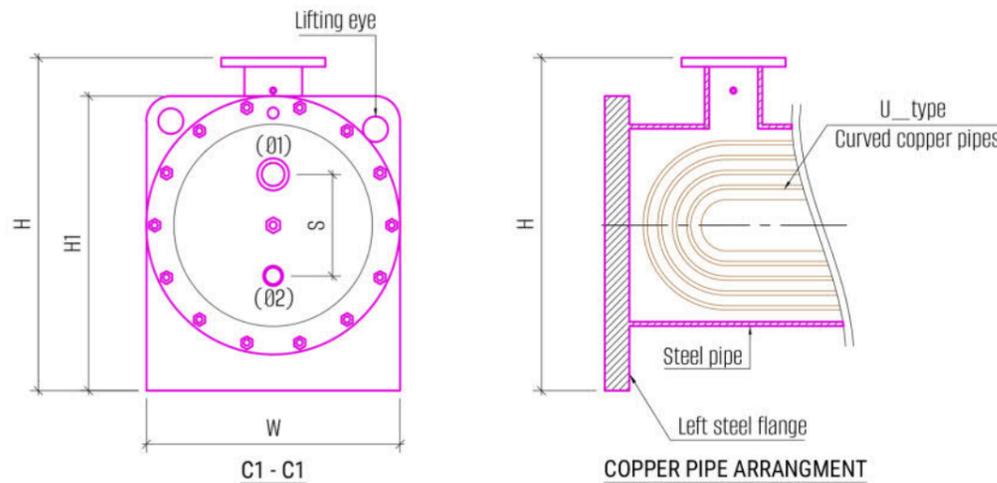
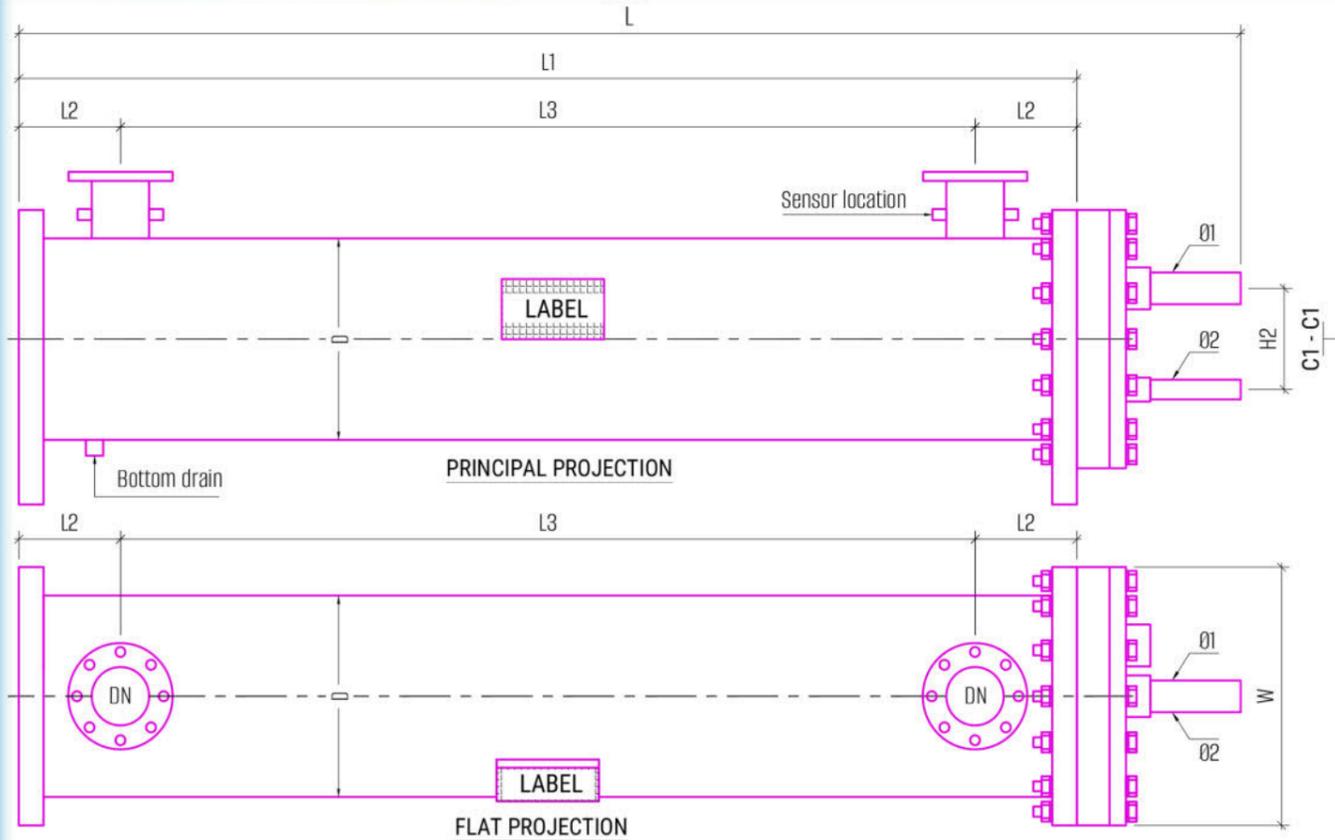
CONDENSER LIQUID STORAGE USES COPPER PIPE DIAMETER Ø16

Fins on pipe surface: H_0.65 x W_0.2 (mm); Pipe diameter before/after finning: Ø15.88/15.6mm; Heat transfer coefficient K = 650 ÷ 720 (W/m²K)

MODEL	COOLING CAPACITY (kW)	HEAT TRANSFER AREA (m²)	COPPER PIPE (t = 1.1mm)		DIMENSIONS (mm)												ACTUAL LIQUID STORAGE (lit)	WEIGHT (kg)
			Total length (m)	Ø (mm)	L	L1	L2	L3	L4	H	W	Steel pipe (D x t)	Inlet (Ø)	Outlet (Ø)	Water In/Out (Ø)			
CC10-16/4.7FW	23.4	4.7	24.0	16	1,250	170	210	100	800	424	320	273.05x5.00	1xØ28	1xØ19	60	27.4	110	
CC15-16/7.1FW	35.2	7.1	33.6	16	1,450	170	210	100	1,000	424	320	273.05x5.00	1xØ28	1xØ19	60	26.8	122	
CC20-16/9.4FW	46.9	9.4	45.6	16	1,450	170	210	100	1,000	424	320	273.05x5.00	1xØ35	1xØ19	60	22.2	128	
CC25-16/11.8FW	58.6	11.8	57.0	16	1,750	170	210	100	1,300	424	320	273.05x5.00	1xØ35	1xØ22	76	28.0	141	
CC30-16/14.2FW	70.3	14.2	69.0	16	1,800	170	210	100	1,300	507	370	323.85x6.35	1xØ35	1xØ22	76	52.1	191	
CC35-16/16.5FW	82.0	16.5	81.0	16	1,800	170	210	100	1,300	507	370	323.85x6.35	1xØ42	1xØ22	76	42.6	197	
CC40-16/18.9FW	93.8	18.9	90.0	16	1,800	170	230	100	1,300	547	370	355.60x6.35	1xØ42	1xØ22	76	52.0	211	
CC50-16/23.6FW	117.2	23.6	114.0	16	1,850	180	230	100	1,300	626	400	406.40x7.93	1xØ54	1xØ28	90	76.2	285	
CC60-16/28.3FW	140.6	28.3	134.4	16	1,950	180	230	100	1,400	626	400	406.40x7.93	1xØ54	1xØ28	90	81.5	303	
CC70-16/33.0FW	164.1	33.0	159.8	16	1,845	180	160	240	1,220	687	450	457.20x9.53	1xØ54	1xØ28	90	96.5	375	
CC80-16/37.8FW	187.5	37.8	180.2	16	1,845	200	160	240	1,220	687	450	457.20x9.53	1xØ54	1xØ28	90	96.5	380	
CC100-16/47.2FW	234.4	47.2	228.0	16	2,145	200	160	270	1,460	687	450	457.20x9.53	1xØ65	1xØ28	90	121.7	431	
CC120-16/56.7FW	281.3	56.7	272.0	16	2,400	200	160	260	1,480	788	500	508.00x9.53	1xØ65	1xØ35	DN100	155.0	539	

SHELL AND TUBE EVAPORATOR

SHELL AND TUBE EVAPORATOR



MODE CODE GUIDE

- EV 90-12.7/25.1 → Heat transfer area (m²)
- Copper pipe diameter (mm)
- Power in Hp unit
- Product series

Freon: R134A ; Temperature of water in: 12°C ; Temperature of water out: 7°C ; Evaporation temperature Te: 2°C ; Heat transfer coefficient K = 1,250 ÷ 1,400 (W/m²K)

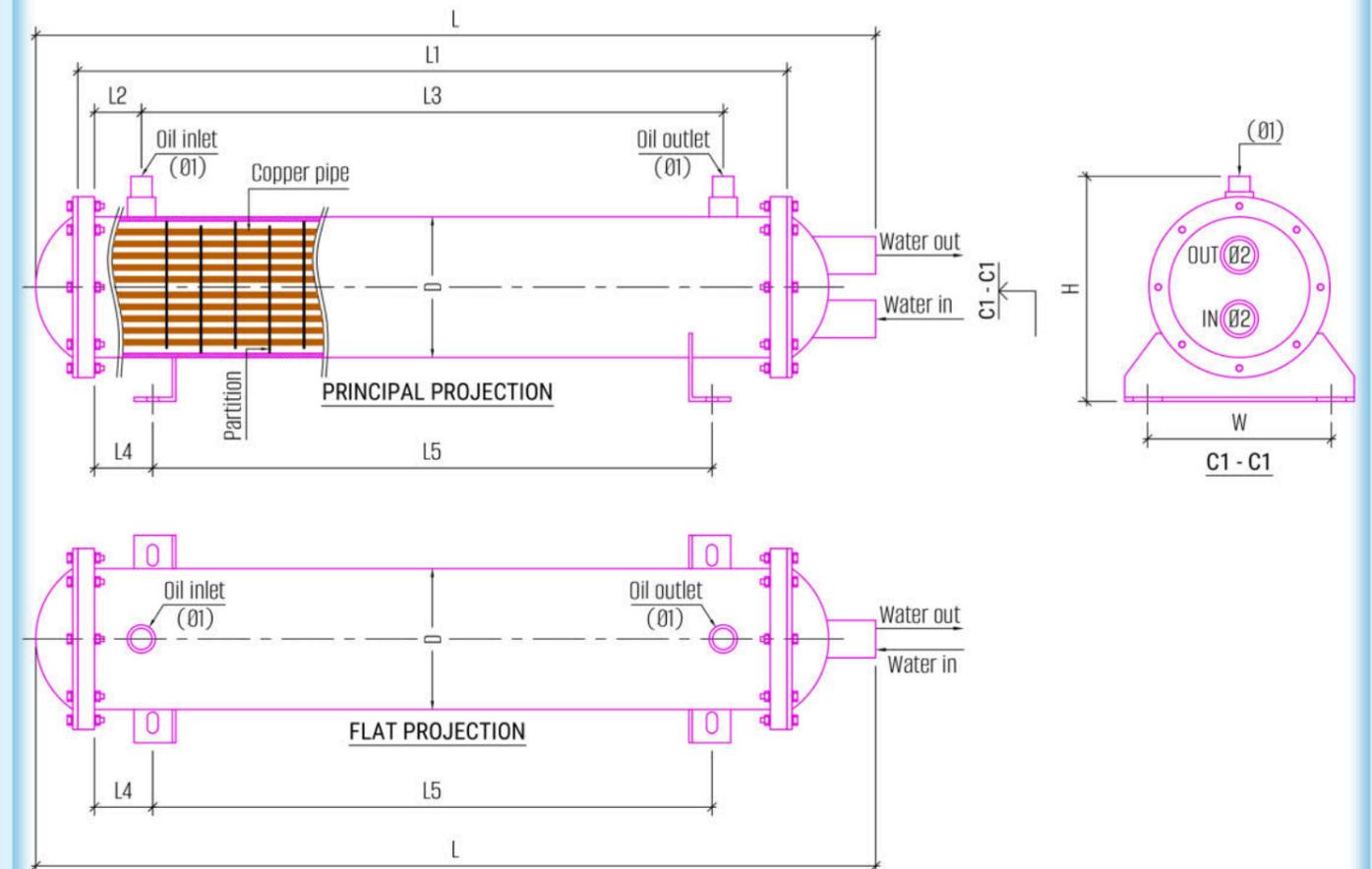
MODEL	COOLING CAPACITY (kW)	HEAT TRANSFER AREA (m ²)	COPPER PIPE (t = 0.71 mm)		WATER FLOW (m ³ /h)	DIMENSIONS (mm)													WEIGHT (kg)	
			Total length (m)	Ø (mm)		L	L1	L2	L3	H	H1	H2	W	W1	W2	Steel pipe (D x t)	Outlet flow Ø1	Inlet flow Ø2		Water In/Out (Ø)
EV10-12.7/2.5	23.4	2.5	70.0	12.7	4.1	1,170	1,000	140	720	350	293	100	375	290	120	219.1 x 5.0	Ø35	Ø22	DN32	113
EV15-12.7/3.7	34.7	3.7	105.6	12.7	6.2	1,370	1,200	140	920	406	345	100	430	346	120	273.1 x 5.0	Ø35	Ø22	DN40	156
EV20-12.7/5.0	46.9	5.0	141.6	12.7	6.3	1,370	1,200	140	920	406	345	110	430	346	120	273.1 x 5.0	Ø35	Ø22	DN40	165
EV25-12.7/6.3	59.1	6.3	177.0	12.7	10.6	1,670	1,500	140	1220	406	339	110	430	346	120	273.1 x 5.0	Ø42	Ø28	DN50	185

SHELL AND TUBE EVAPORATOR

Freon: R134A ; Temperature of water in: 12°C ; Temperature of water out: 7°C ; Evaporation temperature Te: 2°C ; Heat transfer coefficient K = 1,250 ÷ 1,400 (W/m²K)

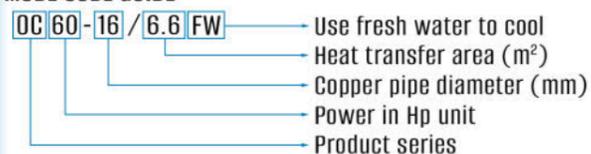
MODEL	COOLING CAPACITY (kW)	HEAT TRANSFER AREA (m ²)	COPPER PIPE (t = 0.71 mm)		WATER FLOW (m ³ /h)	DIMENSIONS (mm)													WEIGHT (kg)	
			Total length (m)	Ø (mm)		L	L1	L2	L3	H	H1	H2	W	W1	W2	Steel pipe (D x t)	Outlet flow Ø1	Inlet flow Ø2		Water In/Out (Ø)
EV30-12.7/7.4	69.4	7.4	210.0	12.7	10.8	1,700	1,500	150	1200	470	396	120	507	410	140	323.9 x 6.4	Ø42	Ø28	DN50	262
EV35-12.7/8.7	81.6	8.7	246.0	12.7	11.0	1,700	1,500	150	1200	470	396	120	507	410	140	323.9 x 6.4	Ø42	Ø28	DN50	271
EV40-12.7/10.0	93.8	10.0	282.2	12.7	19.6	1,900	1,700	150	1400	470	388	130	507	410	140	323.9 x 6.4	Ø54	Ø35	DN65	292
EV50-12.7/12.4	116.3	12.4	350.2	12.7	19.9	1,900	1,700	160	1380	508	423	140	542	448	140	355.6 x 6.4	Ø54	Ø35	DN65	337
EV60-12.7/14.9	139.7	14.9	420.0	12.7	29.8	2,200	2,000	160	1680	508	417	140	542	448	140	355.6 x 6.4	Ø54	Ø35	DN80	373
EV70-12.7/17.3	162.2	17.3	488.0	12.7	30.3	2,230	2,000	160	1680	560	468	170	633	500	180	406.4 x 7.9	Ø54	Ø35	DN80	489
EV80-12.7/19.8	185.7	19.8	560.0	12.7	30.7	2,230	2,000	160	1680	560	468	150	633	500	180	406.4 x 7.9	Ø65	Ø42	DN80	507
EV100-12.7/24.8	232.6	24.8	699.6	12.7	53.0	2,430	2,200	180	1840	560	455	170	633	500	180	406.4 x 7.9	Ø65	Ø42	DN100	558
EV120-12.7/29.8	279.5	29.8	840.4	12.7	53.8	2,440	2,200	180	1840	630	526	180	684	550	180	457.2 x 9.5	Ø65	Ø42	DN100	711
EV135-12.7/33.5	314.1	33.5	945.0	12.7	54.6	2,740	2,500	180	2140	630	526	180	684	550	180	457.2 x 9.5	Ø76	Ø54	DN100	770
EV150-12.7/37.0	347.0	37.0	1,045.0	12.7	88.3	2,740	2,500	200	2100	630	513	180	684	550	180	457.2 x 9.5	Ø76	Ø54	DN125	797
EV180-12.7/44.7	419.2	44.7	1,260.0	12.7	89.6	2,790	2,500	200	2100	680	563	200	754	600	200	508.0 x 9.5	Ø76	Ø54	DN125	967
EV200-12.7/49.6	465.1	49.6	1,400.0	12.7	91.0	3,090	2,800	200	2400	680	563	210	754	600	200	508.0 x 9.5	Ø90	Ø65	DN125	1,039
EV220-12.7/54.2	508.3	54.2	1,528.8	12.7	92.3	3,090	2,800	200	2400	680	563	210	754	600	200	508.0 x 9.5	Ø90	Ø65	DN125	1,070
EV250-12.7/62.1	582.3	62.1	1,752.8	12.7	136.7	3,100	2,800	220	2360	764	628	210	812	664	200	559.0 x 11.5	Ø90	Ø65	DN150	1,352
EV275-12.7/68.3	640.5	68.3	1,926.0	12.7	138.7	3,300	3,000	220	2560	764	628	220	812	664	200	559.0 x 11.5	DN100	Ø76	DN150	1,437
EV300-12.7/74.4	697.7	74.4	2,100.0	12.7	140.8	3,300	3,000	220	2560	818	680	230	864	718	200	609.6 x 11.5	DN100	Ø76	DN150	1,633
EV350-12.7/87.0	815.8	87.0	2,454.0	12.7	250.8	3,300	3,000	260	2480	818	655	250	864	718	200	609.6 x 11.5	DN125	Ø90	DN200	1,730
EV400-12.7/99.3	931.2	99.3	2,801.6	12.7	254.6	3,700	3,400	260	2880	818	655	240	864	718	200	609.6 x 11.5	DN150	Ø90	DN200	1,896

SHELL AND TUBE OIL COOLER



SHELL AND TUBE OIL COOLER

MODE CODE GUIDE



Fins on pipe surface: H_0.65 x W_0.2 (mm); Pipe diameter before/after finning: Ø15.88/15.6mm; Heat transfer coefficient K = 500 ÷ 680 (W/m².K)

MODEL	COOLING CAPACITY (kW)	HEAT TRANSFER AREA (m ²)	COPPER PIPE (t = 1.1mm)		WATER FLOW (m ³ /h)	DIMENSIONS (mm)											WEIGHT (kg)
			Total length (m)	Ø (mm)		L	L1	L2	L3	L4	L5	H	W	Steel pipe (D x t)	Oil In/Out (Ø1)	Water In/Out (Ø2)	
OC30-16/3.1FW	67.3	3.1	15.6	16	2.4	770	600	80	440	70	460	266	155	141.3 x 5.0	19	34	40
OC40-16/4.3FW	93.2	4.3	20.8	16	2.4	970	800	80	640	120	560	266	155	141.3 x 5.0	22	34	45
OC50-16/5.4FW	119.1	5.4	26.0	16	4.2	1,170	1,000	80	840	120	760	266	155	141.3 x 5.0	22	42	49
OC60-16/6.0FW	132.0	6.0	28.6	16	4.3	1,270	1,100	90	920	170	760	266	155	141.3 x 5.0	28	42	54
OC75-16/6.6FW	145.0	6.6	31.2	16	4.3	1,370	1,200	100	1,000	170	860	266	155	141.3 x 5.0	28	42	57
OC100-16/9.9FW	216.0	9.9	43.2	16	6.4	1,370	1,200	100	1,000	170	860	303	155	168.3 x 5.0	35	49	73
OC120-16/11.6FW	254.6	11.6	50.4	16	6.5	1,570	1,400	100	1,200	220	960	303	155	168.3 x 5.0	35	49	80
OC135-16/13.4FW	293.2	13.4	57.6	16	6.6	1,770	1,600	100	1,400	270	1,060	303	155	168.3 x 5.0	35	49	87
OC150-16/15.2FW	331.8	15.2	64.8	16	6.7	1,970	1,800	100	1,600	270	1,260	303	155	168.3 x 5.0	42	49	94
OC180-16/21.0FW	459.8	21.0	76.8	16	10.9	1,430	1,200	100	1,000	170	860	364	310	219.08 x 5.0	42	60	102
OC200-16/23.8FW	520.7	23.8	84.0	16	11.1	1,430	1,200	100	1,000	170	860	364	310	219.08 x 5.0	54	60	105
OC225-16/26.7FW	583.4	26.7	96.0	16	19.3	1,730	1,500	100	1,300	220	1,060	364	310	219.08 x 5.0	54	76	119
OC250-16/30.2FW	660.8	30.2	105.0	16	19.5	1,730	1,500	100	1,300	220	1,060	364	310	219.08 x 5.0	54	76	118
OC275-16/33.6FW	736.0	33.6	115.2	16	19.8	1,830	1,600	100	1,400	270	1,060	364	310	219.08 x 5.0	54	76	125
OC300-16/36.6FW	800.9	36.6	126.0	16	20.1	2,030	1,800	110	1,580	270	1,260	364	310	219.08 x 5.0	54	76	135
OC350-16/51.2FW	1,120.9	51.2	148.4	16	20.4	1,660	1,400	110	1,180	190	1,020	433	320	273.05 x 5.0	54	76	153

CUSTOMER SUPPORT CENTER

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