

FD series air coolers



1. Product description

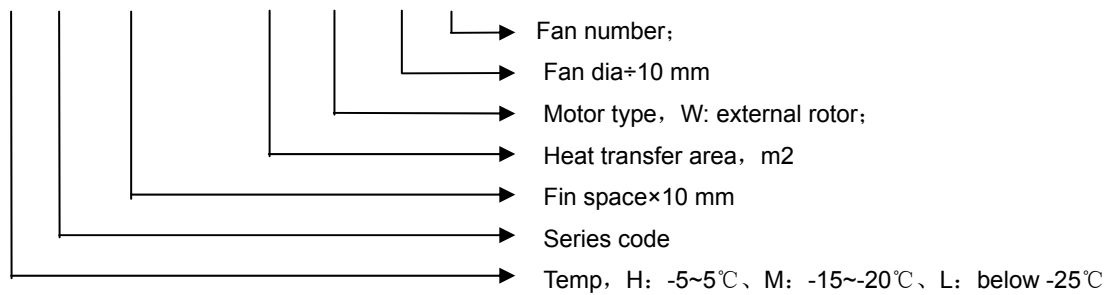
The FD series Products are air coolers applicable to various cold storage houses. They are divided in different groups by temperature, the H group, for 0°C, M for -18°C and L, for that below -25°C. All the products are anti-rusty, corrosion proof, and high reliability.

2. Main components

- ◆ Aluminum body. Stainless & light.
- ◆ Axial fan motor. Efficient & low noise
- ◆ Defrosting with stainless steel electric heater
- ◆ Double layer drain plates keep the water frozen

3. Nomenclature

M FD 60 - 07 W 30 1



4. Specifications

Fin space 4.5mm

Model	Capacity DT=8K	Area	Airflow	Range	Tube cubage	Fan motor				Defrosting heater		
	kw					m ²	m ³ /h	m	L	Voltage	Dia	Qty
						V	mm	n	w	V	For coil	For drain plate
HFD45-09W301	2.2	9	1400	6	1.84	380	300	1	1×80	220	1.0	—
HFD45-15W302	3.7	15	2800	8	2.63	380	300	2	2×80	220	1.8	—
HFD45-19W302	4.8	19	2800	8	3.94	380	300	2	2×80	220	1.8	—
HFD45-25W303	6.2	25	4200	8	5.26	380	300	3	3×80	220	2.4	—
HFD45-41W402	10.2	41	7500	10	8.42	380	400	2	2×180	220	2.0	1.0
HFD45-60W402	15	60	7500	13	11.84	380	400	2	2×180	220	3.0	1.5
HFD45-85W403	21.3	85	11300	13	16.31	380	400	3	3×180	220	5.4	1.8
HFD45-110W404	27.5	110	15000	15	22.37	380	400	4	4×180	220	6.6	2.2
HFD45-125W405	31.3	125	18800	15	25.00	380	400	5	5×180	220	7.8	2.6
HFD45-150W405	37.5	150	18800	15	30.26	380	400	5	5×180	220	10.4	2.6

Fin space 6.0 mm

Model	Capacity DT=8K	Area	Airflow	Range	Tube cubage	Fan motor				Defrosting heater		
	kw					m ²	m ³ /h	m	L	Voltage	Dia	Qty
						V	mm	n	w	V	For coil	For drain plate
MFD60-07W301	1.4	7	1400	6	1.84	380	300	1	1×80	220	1.0	0.5
MFD60-10W302	2	10	2800	8	2.63	380	300	2	2×80	220	1.8	0.9
MFD60-15W302	3	15	2800	8	3.94	380	300	2	2×80	220	1.8	0.9
MFD60-20W303	4	20	4200	8	5.26	380	300	3	3×80	220	2.4	1.2
MFD60-32W402	6.4	32	7500	10	8.42	380	400	2	2×180	220	3.0	1.0
MFD60-45W402	9	45	7500	13	11.84	380	400	2	2×180	220	4.5	1.5
MFD60-62W403	12.4	62	10800	13	16.31	380	400	3	3×180	220	9.0	1.8
MFD60-85W404	17	85	14400	15	22.37	380	400	4	4×180	220	11.0	2.2
MFD60-95W405	19	95	18000	15	25.00	380	400	5	5×180	220	13.0	2.6
MFD60-115W405	23	115	18000	15	30.26	380	400	5	5×180	220	13.0	2.6

Fin space 9.0 mm

Model	Capacity DT=8K	Area	Airflow	Range	Tube cubage	Fan motor				Defrosting heater		
	kw					m ²	m ³ /h	m	L	Voltage	Dia	Qty
						V	mm	n	w	V	For coil	For drain plate
LFD90-08W302	1.3	8	2800	8	2.63	380	300	1	1×80	220	1.8	0.9
LFD90-10W302	2.0	10	2800	8	3.94	380	300	2	2×80	220	1.8	0.9
LFD90-16W303	2.3	16	4200	8	5.26	380	300	2	2×80	220	2.4	1.2
LFD90-22W402	4.0	22	7500	10	8.42	380	300	3	3×80	220	3.0	1.0
LFD90-34W402	5.1	34	7500	13	11.84	380	400	2	2×180	220	4.5	1.5
LFD90-46W403	7.8	46	11300	13	16.31	380	400	2	2×180	220	9.0	1.8
LFD90-60W404	9.8	60	15000	15	22.37	380	400	3	3×180	220	11.0	2.2

5. Overall dimensions

Model	Overall size (mm)			Install size (mm)				F (mm)	Connect pipe (mm)		Drainage pipe
	B	T	H	L	E1	E2	E3		inlet	outlet	
HFD45-09W301 MFD60-07W301	763	380	480	310	530	—	—	130	φ12	φ16	1"
HFD45-15W302 MFD60-10W302 LFD90-08W302	1143	380	480	310	910	—	—	130			
HFD45-19W302 MFD60-15W302 LFD90-10W302	1143	380	480	310	910	—	—	130			
HFD45-25W303 MFD60-20W303 LFD90-16W303	1593	420	480	310	1360	—	—	130			
HFD45-41W402 MFD60-32W402 LFD90-22W402	1388	420	550	350	1095	—	—	165	φ16	φ25	
HFD45-60W402 MFD60-45W402 LFD90-34W402	1763	420	550	350	1470	—	—	165			
HFD45-85W403 MFD60-62W403 LFD90-46W403	2443	420	550	350	2150	—	—	165			
HFD45-110W404 MFD60-85W404 LFD90-60W404	3143	420	550	350	2850	1425	—	165	φ19	φ38	1-1/2"
HFD45-125W405 MFD60-95W405	3543	420	550	350	3250	1300	1950	165			
HFD45-150W405 MFD60-115W405	3543	420	660	350	3250	1300	1950	165			

Diagram of dimensions:

