

# MQFC-40 Duct Series



Parameter(Unit)			Value	Value	Value	Value	
Type			Duct	Duct	Duct	Duct	
Model			MQFC-4024-CHF216B	MQFC-4036-CHF216B	MQFC-4048-CHF216B	MQFC-4060-CHF216B	
Electrical Data	Power supply	V-Hz-Ph	220-230-60-1	220-230-60-1	220-230-60-1	220-230-60-1	
	Power input <sup>1</sup>	Cooling	kW				
		Heating	kW	/	/	/	/
	Input current <sup>1</sup>	Cooling	A	0.81	0.94	1.70	1.70
		Heating	A	/	/	/	/
	Max. Overcurrent Protection	A	/	/	/	/	
Min/Max	Min/Max	V	185/253	185/253	185/253	185/253	
Power cord	Electrical	mm <sup>2</sup> xpcs	1.00x3	1.00x3	1.00x3	1.00x3	
Fuse (A)	A	A	5	5	5	5	
Sound Pressure Level (SS/H/M/L)*		dB (A)	42/40/38/36	44/42/41/39	48/47/46/45	46/44/42/41	
Sound Power Level (SS/H/M/L)*		dB (A)	52/50/48/46	54/52/51/49	58/57/56/55	56/54/52/51	
Refrigerant	Type	—	R410A	R410A	R410A	R410A	
	Control	—	valve core	valve core	valve core	valve core	
Air Flow Volume(rated EXP)		CFM	765/667/618/547	1000/883/794/736	1412/1295/1148/1000	1412/1295/1148/1000	
		m <sup>3</sup> /h	1300/1150/1050/930	1700/1500/1350/1250	2400/2200/1950/1700	2400/2200/1950/1700	
External Static Pressure	Rated	Pa	25	37	50	50	
		InWg	0.1	0.148	0.2	0.20	
	Range	Pa	0-60	0-80	0-120	0-120	
		InWg	0-0.24	0-0.32	0-0.48	0-0.48	
Fan Motor	Model	—	FG60H	FG120D	FG210C	FG210C	
	Drive Type	—	Direct	Direct	Direct	Direct	
	Speed	rpm	1070/960/860/770	1060/940/850/760	1060/910/790/690	1060/910/790/690	
	Power Output	W	0.08	0.16	0.28	0.28	
	Full Load Amp(FLA)	A	/	/	/	/	
	Capacitor	uF	3.5	5.0	8.0	8.0	
Fan	Type	—	Centrifugal	Centrifugal	Centrifugal	Centrifugal	
	Quantity	—	4	2	3	3	
	Diameter-Height	inch	φ5.90-5.63	φ7.95-6.69	φ7.67-6.69	φ7.67-6.69	
Evaporator	Material	—	Inner Groove Copper	Inner Groove Copper	Inner Groove Copper	Inner Groove Copper	
	Face Area	sq.ft	2.799	2.153	3.305	3.30	
		m <sup>2</sup>	0.26	0.20	0.31	0.31	
	Pipe Diameter	mm	φ7	φ7	φ7	φ7	
	Number of rows	—	3	3	3	3	
	Tube pitch(a)x row pitch(b)	mm	19.05x12.7	19.05x12.7	19.05x12.7	19.05x12.7	
	Fins per Inch(FPI)	—	18	16	14	14	
	Fin type	—	hydrophilic-window	hydrophilic-window	hydrophilic-window	hydrophilic-window	
	Number of circuits	—	6	7	7	7	
Length(L) x Height(H) x Width(W)	mm	1147x114.3x38.1	752x266.7x38.1	1152x266.7x38.1	1152x266.7x38.1		
Operation temp	Cooling	°C	16~32	16~32	16~32	16~32	
	Heating	°C	/	/	/	/	
Drainage Connection Size(Outer Diameter×Wall Thickness)		mm	φ26x2.5	φ26x1.5	φ26x1.5	φ26x1.5	
System Operation Control		—	Wired Controlle	Wired Controller	Wired Controlle	Wired Controlle	
Dimension	Outline dimension (W×D×H)	mm	1300x450x220	1000x700x300	1400x700x300	1400x700x300	
	Package dimension (L×W×H)	mm	1628x578x300	1205x813x360	1601x813x365	1601x813x365	
Weight	Net Weight	kg	33.0	42.0	54.0	54.0	
	Gross Weight	kg	40.0	48.0	60.0	60.0	
Loading quantity (within panel)	20'GP		91	66	42	42	
	40'GP		196	138	84	84	
	40'HQ		224	161	98	98	
Panel	Outline dimension (W×D×H)	mm	/	/	/	/	
	Package dimension (W×D×H)	mm	/	/	/	/	
	Net Weight	kg	/	/	/	/	
	Gross Weight	kg	/	/	/	/	