

CEILING CASSETTE AIR CONDITIONING SYSTEM

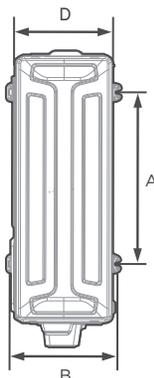
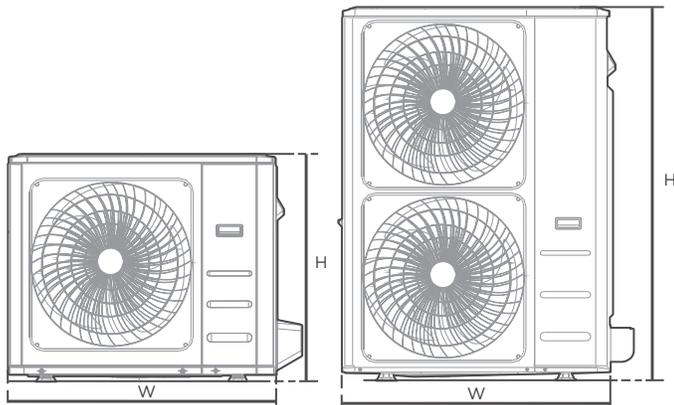
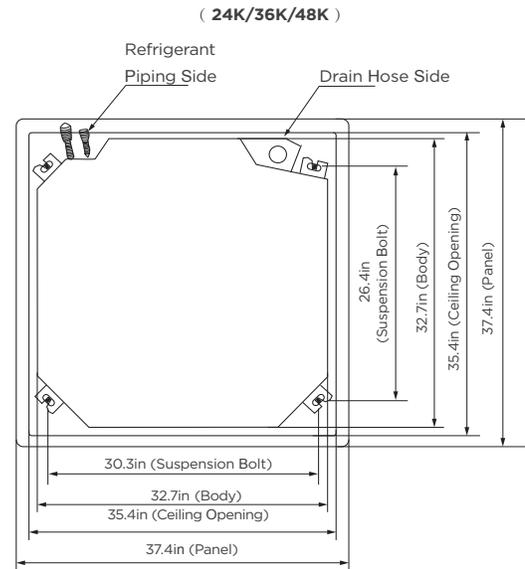
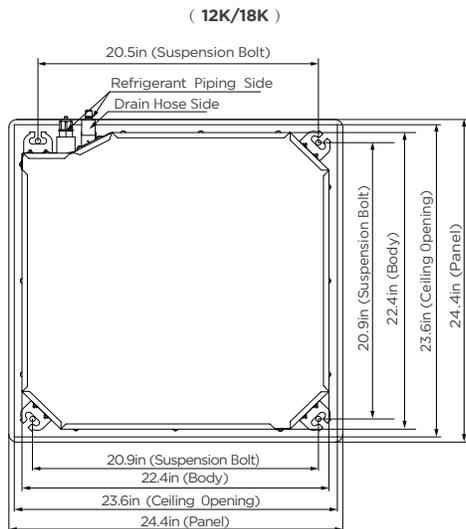


Models

- MCA4M-12HRFN10-M1P/MOX230-12HFN10-M1P
- MCA4-18HRFN10-M1P/MOX430-18HFN10-M1P
- MCD-24HRFN10-M1P/MOD30-24HFN10-M1P
- MCD-36HRFN10-M2P/MOD30-36HFN10-M2P
- MCD-48HRFN10-M2P/MOE30-48HFN10-M2P

Features

- Enhanced coverage area compared to traditional split systems
- Elegant / Concealed out-of-way air conditioning solution
- Excellent air flow delivery with 4-D Air Flow technology
- 4-Way air dispersion



Outdoor Unit Dimensions W x H x D	Mounting Dimensions	
	A	B
31.7inx21.8inx12.9in	20.1in	12.5in
35.0inx26.5inx13.5in	26.1in	13.9in
37.24inx31.9inx16.53in	26.5in	15.87in
38.58inx38.39inx16.34in	24.25in	15.63in
37.5inx52.5inx16.34in	24.96in	15.9in

Front view

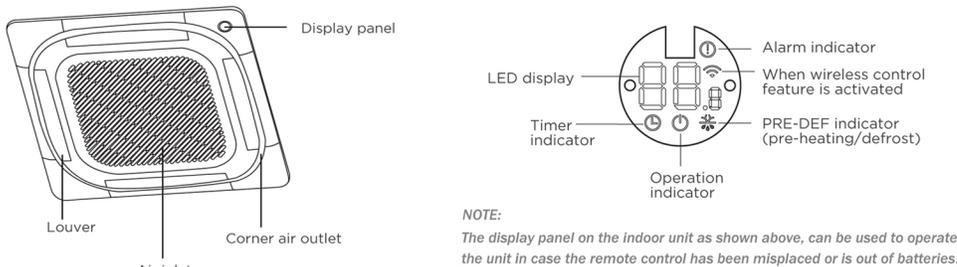
Top view



TECHNICAL SPECIFICATIONS

Evaporator		Indoor Unit	MCA4M-12HRFN10-M1	MCA4-18HRFN10-M1	MCD-24HRFN10-M1	MCD-36HRFN10-M2	MCD-48HRFN10-M2
Power Supply	Voltage/Phase/Hertz	V/Ph/Hz	208-230v/1Ph/60Hz	208-230v/1Ph/60Hz	208-230v/1Ph/60Hz	208-230v/1Ph/60Hz	208-230v/1Ph/60Hz
	Cooling	BTU	-	17000	23500	36000	48000
	Heating	BTU	-	19000	25000	38000	50000
Min. Circuit Ampacity	Min. Circuit Ampacity	A	-	3	3	3	3
Max.Fuse	Max.Fuse	A	-	15	15	15	15
Fan Motor	Input	W	-	-	-	157	157
	RLA (Certification)	A	-	1.0	1	1	1.5
	Speed (Hi/Mid/Lo)	r/min	700/600/400	800/750/700	624/568/426	696/632/568	736/664/524
Evaporator	Insulation Class	-	B	B	B	B	B
	Number of Rows	-	2	2	2	3	3
	Tube Outside Diameter	mm	Φ7	Φ7	Φ7	Φ7	Φ7
	Tube Outside Type	-	Inner groove tube	Inner groove tube	Inner groove tube	Inner groove tube	Inner groove tube
Dimensions (W/D/H)	Tube Pitch(a) x Row Pitch(b)	mm	21x13.37	21x13.37	21x13.37	21x13.37	21x13.37
	Fin Spacing	mm	1.3	1.3	1.3	1.3	1.3
	Number of Circuits	-	4	4	4	10	10
	Body Width (W)	inch	22.44	22.44	32.68	32.68	32.68
Packing (W/D/H)	Body Depth (D)	inch	22.44	22.44	32.68	32.68	32.68
	Body Height (H)	inch	9.65	9.65	8.07	9.65	11.30
	Packing Width (W)	inch	28.15	28.15	35.83	35.83	35.83
Weight	Packing Depth (D)	inch	25.20	25.20	35.83	35.83	35.83
	Packing Height (H)	inch	11.61	11.61	9.84	11.42	12.99
	Net	lb	35.27	35.27	47.18	59.30	64.59
Indoor Side Air Flow (SH/Hi/Mi/Lo/Si)	Gross	lb	41.89	41.89	59.08	71.43	76.06
	Super High (SH)	CFM (ft3/min)	-	447.06	764.71	1041.18	1235.29
	High (Hi)	CFM (ft3/min)	-	388.24	705.88	947.06	1117.65
	Medium (Mi)	CFM (ft3/min)	-	317.65	635.29	852.94	1023.53
	Low (Lo)	CFM (ft3/min)	-	176.47	547.06	752.94	805.88
	Silent (Si)	CFM (ft3/min)	-	135.29	-	658.82	691.76
Condenser	Drainage Water Pipe Diameter	-	-	ODΦ25mm	ODΦ25mm	ODΦ25mm	ODΦ25mm
Power Supply	Voltage/Phase/Hertz	V/Ph/Hz	MOX230-12HFN10-M1	MOX430-18HFN10-M1	MOD30-24HFN10-M1	MOD30-36HFN10-M2	MOE30-48HFN10-M2
	Max.Input	Consumption	208-230v/1Ph/60Hz	208-230v/1Ph/60Hz	208-230v/1Ph/60Hz	208-230v/1Ph/60Hz	208-230v/1Ph/60Hz
Max.Current	Max.Current	A	-	2900	3910	6000	7400
Min. Circuit Ampacity	Min. Circuit Ampacity	A	-	13.5	17	26	32
Max.Fuse	Max.Fuse	A	-	18	24	33	39
Compressor	Max.Fuse	A	-	20	25	35	40
	Type	-	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY
	Capacity	W	2035/3255	4315	4780/7600	10010	13700
	Input	W	325/826	1090	805/2045	2765	3700
	Rated Current	A	2.40/5.65	7.15	4.15/9.30	5.38	7.02
	Rated Current (Certification)	A	-	10.0	15.4	21.5	24
	Thermal Protector	-	-	-	-	INT01L-4639	INT01L-4639
Refrigerant Oil / Oil Charge	mL	ESTER OIL VG74 310	ESTER OIL VG74 440	VG74 620	VG74/1000	VG74/1400	
Outdoor Fan Motor	Refrigerant Oil / Oil Charge	mL	ESTER OIL VG74 310	ESTER OIL VG74 440	VG74 620	VG74/1000	VG74/1400
	Input	W	-	-	-	-	126
	RLA (Certification)	A	-	0.9	1.0	1.35	1.2
Condenser	Speed (High / Mid / Low)	r/min	800/700/600	780/700/550	810/450	950/800/500	850/750/650
	Insulation Class	-	E	B	B	B	B
	Waterproofing	Class	-	-	IP44	IP44	-
Condenser2	Fin Type (Code)	-	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum
	Coil Length x Height x Width	inch	29.3"x19.8" x 87"	95.43"x23.97" x 87"	39.56"x29.76" x 105"	39.17"x30" x 173"	38.38"x24.8" x 173"
Outdoor Side Air Flow (Hi)	Coil Length x Height x Width	inch	-	-	-	-	975x630x44
Dimension (W*D*H)	Outdoor Side Air Flow (Hi)	CFM(ft3/min)	-	1764.71	2235.29	2411.76	4176.47
	Body Width(W)	inch	30.12	35.04	37.24	37.48	37.48
	Body Depth(D)	inch	11.93	13.46	16.14	16.14	16.34
Packing (W*D*H)	Body Height(H)	inch	21.85	26.50	31.89	31.89	52.48
	Packing Width(W)	inch	34.92	39.17	42.91	42.91	43.11
	Packing Depth(D)	inch	13.27	15.67	19.69	19.69	19.49
Net/Gross Weight	Packing Height(H)	inch	24.02	29.13	34.84	34.84	57.48
	Net weight	lb	62.17	92.59	122.13	152.34	208.78
Refrigerant	Gross weight	lb	67.68	100.31	132.28	162.48	237.44
	Refrigerant	Type	-	R454B	R454B	R454B	R454B
Throttle Type	Additional Refrigerant per/ft	oz/ft	-	0.16	0.32	0.32	0.32
	Throttle	Type	-	Electronic Throttle Valve	Electronic Throttle Valve	Electronic Throttle Valve	Electronic Throttle Valve

Note: Max. system pipe length is 25ft. based on factory refrigerant at the condenser.



BTU Capacity	*Pipe Diameter	
	Liquid Side	Gas Side
12K	1/4in	3/8in
18K	1/4in	1/2in
24K	3/8in	5/8in
36K	3/8in	3/4in
48K	3/8in	3/4in

* After 25ft. of piping length, add 0.16oz. of refrigerant for every additional foot of 1/4" pipe used and 0.32oz. of refrigerant for every additional foot of 3/8" pipe used.