

SLIM DUCTED FAN COIL AIR CONDITIONING SYSTEM



Models

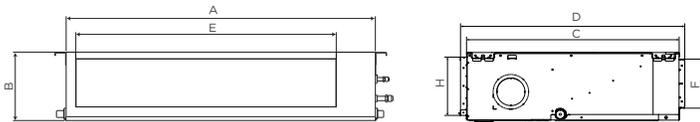
- MTJM-12HWFN10-M1P / MOX230-12HFN10-M1P
- MTJ-18HWFN10-M1P / MOX430-18HFN10-M1P
- MTJ-24HWFN10-M1P / MOD30-24HFN10-M1P
- MTJ-36HWFN10-M2P / MOD30-36HFN10-M2P
- MTJ-48HWFN10-M2P / MOE30-48HFN10-M2P
- MHJ-60HWFN10-M2P / MOE30-60HFN10-M2P

Features

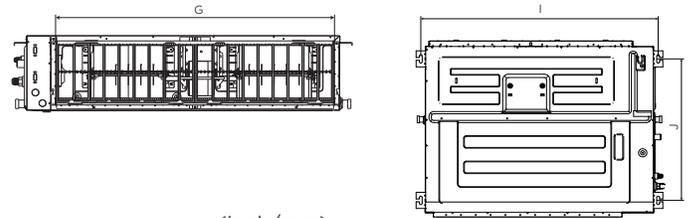
- Enhanced coverage area compared to traditional split systems
- Covers medium static 1-1 ducted applications
- Flexible horizontal or vertical installation
- Totally concealed out-of-view operation
- Excellent air flow delivery



Air Outlet Dimensions

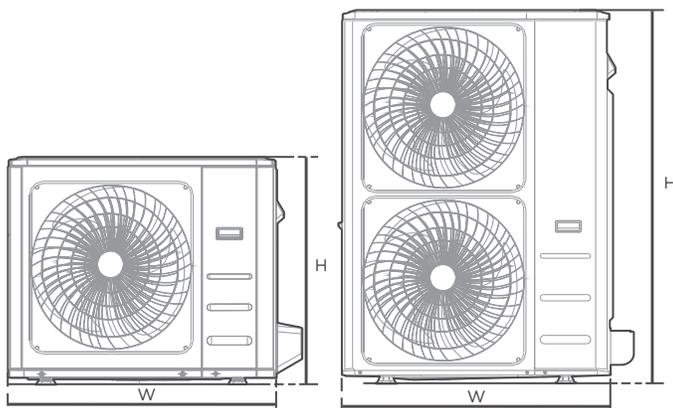


Air Inlet Dimensions

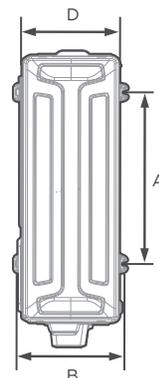


(inch/mm)

MODEL	AIR OUTLET OUTLINE DIMENSIONS				OPENING SIZE		AIR RETURN OPENING SIZE		SIZE OF MOUNTED LUG	
	A	B	C	D	E	F	G	H	I	J
12K	27.6/700	9.6/245	29.5/750	31.3/795	20.7/527	7.0/178	23.3/592	8.3/212	29.1/740	25.2/640
18K/24K	39.4/1000	9.6/245	29.5/750	31.3/795	32.6/827	7.0/178	35.1/892	8.3/212	40.9/1040	25.2/640
36K/48K	47.2/1200	11.8/300	29.5/750	31.3/795	40.4/1027	9.2/233	43.0/1092	10.5/267	48.8/1240	25.2/640
60K	55.1/1400	14.9/380	31.5/800	33.3/845	48.1/1223	12.6/320	50.1/1272	13.0/330	56.7/1440	26.3/668



Front view



Top view

Outdoor Unit Dimensions W x H x D	Mounting Dimensions	
	A	B
30.1inx21.8inx11.9in	17.8in	11.3in
31.7inx21.8inx12.9in	20.1in	12.5in
35inx26.5inx13.46in	26.1in	13.94in
37.24inx31.9inx16.14in	26.5in	15.87in
38.58inx38.39inx16.34in	24.25in	15.63in
37.5inx52.5inx16.34in	24.96in	15.9in



TECHNICAL SPECIFICATIONS

FAN COIL		Indoor Unit	MTJM-12HWFN10-M1	MTJ-18HWFN10-M1	MTJ-24HWFN10-M1	MTJ-36HWFN10-M2	MTJ-48HWFN10-M2	MHJ-60HWFN10-M2
	Power Supply	V/Ph/Hz	208-230v/1Ph/60Hz	208-230v/1Ph/60Hz	208-230v/1Ph/60Hz	208-230v/1Ph/60Hz	208-230v/1Ph/60Hz	208-230v/1Ph/60Hz
	Cooling	BTU	12000	17500	24000	36000	48000	58000
	Heating	BTU	12000	19000	25000	40000	50000	60000
Min. Circuit Ampacity	Min. Circuit Ampacity	A	3	3	3	4	5	5
Max.Fuse	Max.Fuse	A	15	15	15	15	15	15
	Seasonal Efficiency	SEER2	19.5	20.0	19.0	18.7	17.1	17.0
	Static Efficiency	EER2	12.0	13.3	12.5	10.1	10.0	10.0
	Heating Seasonal Efficiency	HSPF2	10.5	11.3	11.0	10.2	9.8	9.7
	Input	W	-	-	-	-	560	560
Fan Motor	RLA (Certification)	A	1.5	1.8	2.2	3.2	4	4
	Speed (Hi/Mi/Lo)	r/min	780/744/708	820/760/700	920/835/750	790/730/670	1000/950/880	853/778/702
	Insulation	Class	B	B	B	B	B	B
Evaporator	Coil Length x Height x Width	mm	525*351*34.8	825*34.8*351	825*351*34.8	1025*53.48*378	1025*53.48*378	1225*462*53.48
Dimensions (W/D/H)	Body Width (W)	inch	27.56	39.37	39.37	47.24	47.24	55.12
	Body Depth (D)	inch	29.53	29.53	29.53	29.53	29.53	31.50
	Body Height (H)	inch	9.65	9.65	9.65	11.81	11.81	14.96
Packing (W/D/H)	Packing Width (W)	inch	36.42	48.23	48.23	56.10	56.10	62.99
	Packing Depth (D)	inch	33.46	33.86	33.86	33.86	33.86	36.02
	Packing Height (H)	inch	11.73	11.97	11.97	14.13	14.13	17.52
Weight	Net	lb	64.15	79.81	80.47	106.26	111.33	161.38
	Gross	lb	73.85	91.27	91.93	120.37	124.78	178.13
Indoor Side Air Flow (SH/Hi/Mi/Lo/Si)	Super High (SH)	CFM (ft3/min)	418.82	705.88	852.94	1235.29	1647.06	2000
	High (Hi)	CFM (ft3/min)	350.00	617.65	735.29	1058.82	1470.59	1705.88
	Medium (Mi)	CFM (ft3/min)	255.88	529.41	617.65	941.18	1294.12	1411.76
	Low (Lo)	CFM (ft3/min)	215.88	441.18	500.00	764.71	1058.82	1117.65
	Silent (Si)	CFM (ft3/min)	135.29	-	-	-	588.24	882.35
ESP	Drainage Water Pipe	Diameter	ODΦ25mm	ODΦ25mm	ODΦ25mm	ODΦ25mm	ODΦ25mm	ODΦ25mm
	Rated	Pa	25	25	25	37	50	50
	Range	Pa	0-200	0-200	0-200	0-200	0-200	0-200
CONDENSER		Outdoor Unit	MOX230-12HFN10-M1	MOX430-18HFN10-M1	MOD30-24HFN10-M1	MOD30-36HFN10-M2	MOE30-48HFN10-M2	MOE30-60HFN10-M2
	Power Supply	V - Ph / Hz	208-230v/1Ph/60Hz	208-230v/1Ph/60Hz	208-230v/1Ph/60Hz	208-230v/1Ph/60Hz	208-230v/1Ph/60Hz	208-230v/1Ph/60Hz
Max.Input	Consumption	W	-	-	3910	6000	7400	7500
Max.Current	Max.Current	A	-	-	17	26	32	32
Min. Circuit Ampacity	Min. Circuit ampacity	A	-	-	24	33	39	42
Max.Fuse	Max.Fuse	A	-	-	25	35	40	45
Compressor	Type	Class	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY
	Capacity	W	2035/3255	4315	4780/7600	10010	13700	13700
	Input	W	325/826	1090	805/2045	2765	3700	3700
	Rated Current	A	2.40/5.65	7.15	4.15/9.30	5.38	7.02	7.02
	Rated Current (Certification)	A	-	10	15.4	21.5	24	25
	Thermal Protector	-	-	-	-	INT01L-4639	INT01L-4639	INT01L-4639
	Thermal Protector Position	-	NA	NA	NA	EXTERNAL	EXTERNAL	EXTERNAL
Refrigerant Oil / Oil Charge	mL	ESTER OIL VG74 310	ESTER OIL VG74 440	VG74 620	VG74/1000	VG74/1400	VG74/1400	
Outdoor Fan Motor	Input	W	-	-	-	-	126	126
	RLA (Certification)	A	-	0.9	1.0	1.35	1.2	2.2
	Speed (High/Mi/Low)	r/min	800/700/600	780/700/550	810/450	Cooling 950/800/500	Cooling 850/750/650	Cooling 850/750/650
	Water Proofing	Class	-	IP44	IP44	-	-	-
Condenser	Coil Length x Height x Width	inch	29.33"x19.84"x0.87"	35.43"x23.98"x0.87"	39.57"x29.76"x1.05"	39.17"x30"x1.73"	38.38"x24.80"x1.73"	39.78"x49.61"x1.58"
Condenser 2	Coil Length x Height x Width	inch	-	-	-	-	38.38"x24.80"x1.73"	39.78"x49.61"x1.58"
Outdoor Unit	Side Airflow (Hi)	CFM (ft3/min)	-	1764.71	2235.29	2411.76	4176.47	4470.59
	Body Width (W)	inch	30.12	35.04	37.24	37.24	37.48	37.48
	Body Depth (D)	inch	11.93	13.46	16.14	16.14	16.34	16.34
Dimensions (W/D/H)	Body Height (H)	inch	21.85	26.5	31.89	31.89	52.48	52.48
	Packing Width (W)	inch	34.92	39.17	42.91	42.91	43.11	43.11
	Packing Depth (D)	inch	13.27	15.67	19.69	19.69	19.49	19.49
Packing (W/D/H)	Packing Height (H)	inch	24.02	29.13	34.84	34.84	57.48	58.27
	Net	lb	62.17	92.59	122.13	152.34	208.78	209.44
	Gross	lb	67.68	100.31	132.28	162.48	237.44	240.08
Refrigerant	Refrigerant Type	Class	R454B	R454B	R454B	R454B	R454B	R454B
	Refrigerant Charge	-	-	1.36	2	2.6	3.6	4.1
	Additional Refrigerant per/Ft.	oz/ft	-	0.16	0.32	0.32	0.32	0.32
	Expansion Valve	Type	-	-	Electronic	Electronic	Electronic	Electronic

Maximum length and drop height based on capacity

Capacity	Length of piping	Maximum drop height
12K	82ft/25m	49.2ft/15m
18K	98.4ft/30m	65.6ft/20m
24K	164ft/50m	82ft/25m
36K/48K/60K	246ft/75m	98.4ft/30m

