



Models / Modelos MCUI_

Specifications / Especificaciones

Multi Condensing Unit Inverter

Model			MCUI 18	MCUI 27	MCUI 36	MCUI 48
Power supply		V-Ph-Hz	208-230~1-60	208-230~1-60	208-230~1-60	208-230~1-60
Cooling	Capacity	Btu/h	18000	27000	36000	48000
	Capacity Range	Btu/h	3995~19476	8500~30400	5630~38510	8860~52000
Heating (47°F)	Capacity	Btu/h	18500	27000	36000	50000
	Capacity Range	Btu/h	2539~24249	6290~36200	4960~42660	6480~54050
MINIMUM CIRCUIT AMPACITY		A	18.0	25.0	30.0	35.0
MAX.FUSE		A	25.0	35.0	45.0	50.0
Compressor	Model		ATM150D23UFZ	ATF235D22UMT	ATF310D43UMT	ATQ360D1UMU
	Type		ROTARY	ROTARY	ROTARY	TWIN-ROTARY
	Rated current(RLA)	A	10	20.00	22.00	21.00
Outdoor air flow		m ³ /h / CFM	2362 / 1390	3619 / 2130	3619 / 2130	7646 / 4500
Outdoor noise level		dB(A)	62.4	63.4	62.3	64
Outdoor Unit	Dimension(W*D*H)	mm	845 x 363 x 702	946 x 410 x 810	946 x 410 x 810	952 x 415 x 1333
	Dimension(W*D*H)	inch	33.27 x 14.29 x 27.64	37.24 x 16.14 x 31.89	37.24 x 16.14 x 31.89	37.48 x 16.34 x 52.48
	Packing (W*D*H)	mm	965 x 395 x 755	1090 x 500 x 875	1090 x 500 x 875	1095 x 495 x 1480
	Packing (W*D*H)	inch	37.99 x 15.55 x 29.72	42.91 x 19.69 x 34.45	42.91 x 19.69 x 34.06	43.11 x 19.49 x 58.27
	Net/Gross weight	Kg	48 / 52	68 / 73	71 / 76	101.5 / 115.7
	Net/Gross weight	lbs.	105.82 / 114.64	149.91 / 160.94	156.53 / 167.55	223.77 / 255.07
Refrigerant type (R-410A)		oz	70.5	98.8	105.8	162.3
Refrigerant precharge (Total pipe length)			25	25	25	25
Additional charge for each		oz	0.161	0.161	0.161	0.32
Design pressure		PSIG	550 / 340	550 / 340	550 / 340	550 / 340
Refrigerant piping	Liquid side/ Gas side	mm (inch)	2 X Ø6.35/Ø9.52 (1/4"/3/8")	3 X Ø6.35/Ø9.52 (1/4"/3/8")	4 X Ø6.35/3X Ø9.52+1XØ12.7 (4 X 1/4" / 3 X 3/8"+1 X 1/2")	5 X Ø6.35/3 X Ø9.52 + 2 X Ø12.7 (5 X 1/4" / 3 X 3/8" + 2 X 1/2")
	Max. length for all rooms	m /	30 / 98	45 / 148	60 / 197	75 / 246
	Max. length for one indoor unit	m /	20 / 66	25 / 82	30 / 98	30 / 98
	Max. height difference between IDU and ODU	OU higher than IU	10 / 33	10 / 33	10 / 33	10 / 33
		OU lower than IU	15 / 49	15 / 49	15 / 49	15 / 49
	Max. height difference between IDU's	m /	10 / 33	10 / 33	10 / 33	10 / 33
Ambient temperature	Cooling	°C / °F	-25~50 / -13~122	-25~50 / -13~122	-25~50 / -13~122	-25~50 / -13~122
	Heating	°C / °F	-25~30 / -13~86	-25~30 / -13~86	-25~30 / -13~86	-25~30 / -13~86

