



NOISELESS



MRTH SERIES

MINI SPLIT SYSTEM

HEAT PUMP

ON/OFF



MRTH Series Technical Specifications

Model			MRTH1213X	MRTH1223X	MRTH1823X	MRTH2423X
Indoor Model	-	-	MRTH1213E	MRTH1223E	MRTH1823E	MRTH2423E
Outdoor Model	-	-	MRTH1213C	MRTH1223C	MRTH1823C	MRTH2423C
Type	-	-	Heat Pump	Heat Pump	Heat Pump	Heat Pump
Control Type	-	-	Remote	Remote	Remote	Remote
Rated Cooling Capacity	-	Btu/h	12,000	12,000	18,000	24,000
Rated Heating Capacity	-	Btu/h	12,500	12,500	18,500	25,000
EER for Cooling	-	W/W	2.81	2.80	2.78	2.78
COP for Heating	-	W/W	3.00	3.00	3.00	3.00
Moisture Removal	-	Liters/h	1.3	1.3	2.0	2.2
Pressure	High(DP)	MPa	4.5	4.5	4.5	4.5
	Low(SP)	MPa	1.9	1.9	1.9	1.9
Indoor Noise Level at Cooling	High	dB(A)	40	41	42	51
	Med.	dB(A)	37	39	40	47
	Low	dB(A)	34	36	35	43
Outdoor Noise Level	-	dB(A)	55	55	59	61
Power Supply	-	V/Ph/Hz	~115 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60
Voltage Range	-	V	115	230	230	230
Rated Current	Cooling	A	11.4	5.9	9.0	12.0
	Heating	A	11.1	5.8	8.6	11.6
Rated Input	Cooling	W	1250	1255	1900	2530
	Heating	W	1220	1220	1805	2440
Max Current	Cooling	A	14.9	7.7	11.7	15.6
	Heating	A	14.5	7.5	11.2	15.1
Max Power Input	Cooling	W	1630	1635	2470	3290
	Heating	W	1590	1590	2350	3175
Refrigerant	R410A	kg/lb	0.57 / 1.25	0.55 / 1.21	1.26 / 2.77	1.40 / 3.08
Compressor	-	Type	Rotary	Rotary	Rotary	Rotary
	-	Model	44A2H1GG&FEKC	44A302AK&FEKD	ASL152DG-C7EU1	ASH201DG-C8LUL
	-	MFG	RECHI	RECHI	RECHI	RECHI
Evaporator	-	-	φ7×1	φ7×1	φ7×2	φ7×2
Condenser	-	-	φ7×1	φ7×1	φ7×2	φ7×2
Indoor Air Circulation (Cooling)	-	m³/h	520	550	800	1100
Indoor fan speed H/M/L	Cooling	rpm	1200/1100/1000/900/800	1270/1170/1050/900/850	1200/1100/900	1200/1050/900
	Heating	rpm	1200/1100/1000/900/800	1250/1150/1050/950/900	1200/1100/900	1200/1050/900
	Dry	rpm	900	900	900	900
	Sleep	rpm	900	950	900	900
Indoor Fan Motor Output	-	W	20	14	23	48
Outdoor Fan Motor Output	-	W	31	31	31	73
Connecting Pipe	Gas	in/mm	3/8 / 9.52	3/8 / 9.52	1/2 / 12.7	5/8 / 15.88
	Liquid	in/mm	1/4 / 6.35	1/4 / 6.35	1/4 / 6.35	1/4 / 6.35
Connecting Wiring	Size x Core Number		2.5 x 3	1.0 x 3 / 0.75 x 2	1.5 x 3 / 0.75x2	0.75 x 4 / 0.75 x 2
Suitable Area	-	m²	15~23	15~23	20~35	30~50
Net Dimensions (W×D×H)	Indoor	mm/in	777×250×201 / 30.59×9.84×7.91	777×250×201 / 30.59×9.84×7.91	910×294×206 / 35.82×11.57×8.11	1010×315×220 / 39.76×12.40×8.66
	Outdoor	mm/in	754×300×552 / 29.68×11.81×21.73	777×290×498 / 30.59×11.41×19.60	817×300×553 / 32.16×11.81×21.77	886×357×605 / 34.88×14.05×23.81
Net weight	Indoor	kg/lb	7 / 15.43	8 / 17.63	10 / 22.04	13 / 28.66
	Outdoor	kg/lb	26 / 57.32	25 / 55.11	33 / 72.75	42 / 92.59
Packing Dimensions (W×D×H)	Indoor	mm/in	840×315×260 / 33.07×12.40×10.23	840×315×260 / 33.07×12.40×10.23	979×372×277 / 38.54×14.64×10.90	1096×390×297 / 43.14×15.35×11.69
	Outdoor	mm/in	798×356×575 / 31.41×14.01×22.63	818×325×520 / 32.20×12.79×20.47	858×356×585 / 33.77×14.01×23.03	910×392×633 / 35.82×15.43×24.92
Gross Weight With Pipe	Indoor	kg/lb	10 / 22.04	9 / 19.84	13 / 28.66	16 / 35.27
	Outdoor	kg/lb	31 / 68.34	29 / 63.93	37 / 81.57	47 / 103.61
Loading Capacity 40HQ	-	pcs	285	310	235	184