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Tropical High Efficiency A5 Duct 1.5/2/2.5/3/4/5/ ton

Features

- EMSA and AHRI certificated
- Suitable for using refrigerant R410A
- 3-speed indoor fan for enhanced comfort
- Blue hydrophilic fin & inner grooved copper pipe
- Air intake filter as standard
- Outdoor fan motor insulation class: IP44
- High temperature operation - Cooling: from 17°C to 52°C
- Long piping length. Max. equivalent piping length: 55m; Max. vertical distance between ODU and IDU: 46m. (Notes: ODU is up.)
- Cooling only

Technical data

Indoor unit			CMT-XM 18MC	CMT-XM 24MC	CMT-XM 30MC	CMT-XM 36MC	CMT-XM 48MB	CMT-XM 60MB
Outdoor unit			MSAT-XM 18MA-G	MSAT-XM 24MA-G	MSAT-XM 30MA-G	MSAT-XM 36MA-G	MSAT-XM 48TC-C	MSAT-XM 60TC-C
Power supply	Indoor unit	V/Ph/Hz	220~240V~1Ph-50Hz				220~240V~1Ph-50Hz	
	Outdoor unit	V/Ph/Hz	220~240V~1Ph-50Hz				380V~415V-3Ph-50Hz	
Cooling	T1 Capacity	Btu/h	18000	24200	31600	35400	48000	57000
	T3 Capacity	Btu/h	15600	21600	27800	30600	44500	51000
	EER (T1/T3)	Btu/h.W	11.6/8.5	11.6/8.5	11.6/8.5	11.6/8.5	12.5/9.4	11.7/8.6
Compressor	Brand		GMCC	GMCC	GMCC	GMCC	Copeland	Copeland
	Type		Rotary	Rotary	Rotary	Rotary	Scroll	Scroll
Motor	Indoor unit	Brand	Welling	Welling	Welling	Welling	Panasonic	Panasonic
		Type	AC	AC	AC	AC	DC	DC
	Outdoor unit	Brand	Welling	Welling	Welling	Welling	Welling	Welling
		Type	AC	AC	AC	AC	AC	AC
Fan	Indoor unit motor	Material	Plastic	Plastic	Plastic	Plastic	Metal	Metal
	Outdoor unit motor	Material	Metal	Metal	Metal	Metal	Metal	Metal
Air flow	Indoor unit*	CFM	530/580/726	820/980/1100	800/960/1070	960/1070/1200	1700/1550/1450	1950/1650/1500
	Outdoor unit	CFM	1600	1440	3440	3110	3688	3418
Indoor standard ESP		Pa	25	25	37.5	37.5	50	50
Indoor ESP range		Pa	0-50	0-100	0-100	0-100	0-125	0-125
Noise level	Indoor unit	dB(A)	39.5/40/43	41.5/43.5/46	41.5/43.5/46	43.5/46/49	51/52/54	51/53/55
	Outdoor unit	dB(A)	57	62	66	63	62	63
Connection pipe	Liquid side	mm	Φ9.5	Φ9.5	Φ9.5	Φ9.5	Φ9.5	Φ9.5
	Gas side	mm	Φ15.9	Φ19.1	Φ19.1	Φ19.1	Φ22	Φ22
	Max. equivalent refrigerant pipe length	m	25	25	30	30	55	55
	Max. difference in level	m	15	15	20	20	46	46
Net dimension (W×H×D)	Indoor unit	mm	1220x210x500	1230x270x775	1230x270x775	1230x270x775	1311×422×692	1311×422×692
	Outdoor unit	mm	554x633x554	554x633x554	740×843×740	710x759x710	740×843×740	740×843×740
Packing (W×H×D)	Indoor unit	mm	1360x292x560	1355x350x795	1355x350x795	1355x350x795	1436×450×768	1436×450×768
	Outdoor unit	mm	582x667x582	582x667x582	768×877×768	738x793x738	768×877×768	768×877×768
Net/Gross weight	Indoor unit	kg	27.2/31.8	39.5/46	39.5/46	39.5/46	68/76	68/76
	Outdoor unit	kg	49/52	53/56	75/80	77/81	89.6/94.6	96.4/101.4
Ambient tenperature operation range	Cooling	℃	17-52	17-52	17-52	17-52	17-52	17-52

Notes:
1. The capacity is based on the following conditions:
T1 cooling: Indoor temperature 27°C DB/19°C WB; Outdoor temperature 35°C DB.
T3 cooling: Indoor temperature 29°C DB/19°C WB; Outdoor temperature 46°C DB.
The refrigerant piping length between indoor unit and outdoor unit is 7.5m.
2. ESP: External static pressure.
3. Wire controller (5V) is standard, remote control is optional.
*: Indoor unit airflow volume is based on the standard ESP.

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