Room-Based Inverter
Air-Cooled CRAC

GENERAL CHARACTERISTICS

- LMA Room-based Air-cooled Air conditioner provides precise temperature and humidity control for large and medium-size data rooms. It adopts high efficiency compressor and EC centrifugal fan to meet the requirements of 24 X 7 all-weather continuous operation. It is the ideal choice for green and energy-saving data centers and various electronic equipment rooms. It is manufactured with the world's leading technologies and the most advanced components. Every product is fully tested before ex-factory to ensure performances and reliability.
- Applications: data center, communication equipment and computer room, MRI and CT room, other precision equipment environment, such as precision processing, electronic instrument workshop, museum, archives, highend wine cellar,medical equipment room, constant temperature and humidity laboratory, etc.

MAIN COMPONENTS

- Adopt hermetic inverter driven compressors and EC fans to minimize vibration and noise.
- Heat exchanger is using high-efficiency inner grooved copper tubes and Hydrophilic fins. Large heat exchanging area for better performances and efficiency.
- Multiple integrated protections, such as high/low pressure and high discharge temperature protection, unit will shutdown automatically for protection, to avoid damages to the compressors.
- Adopt self-developed intelligent monitoring system, 7-inch LCD touch screen, friendly human-machine interface. It provides simple, convenient and real-time control and management of all the product functions, parameters query. Parameters display in graphic curve, with self diagnostic function to assures reliable and smooth operation.



*1830mm*996mm*1995mm*

Indoor Unit
Downflow



*1830mm*996mm*1995mm*

Indoor Unit
Upflow



*1200mm*817mm*1216mm*

Flat-type Outdoor Unit
LMT050SP



*1280mm*1100mm*2085mm*

V-type Outdoor Unit
LMT050SF

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Room-Based Inverter
Air-Cooled CRAC

Parameter		Specification	
		LMA4060U3E	LMA4060D3E
Cooling Capacity			
Total	kW	60.2	60.2
Sensible	kW	55.4	55.4
EER	-	3.10	3.10
Refrigerant	-	R410a	R410a
Indoor temp.	°C/RH	24.0/50%	24.0/50%
Outdoor temp.	°C	35.0	35.0
Fan	N°	2	2
Type	-	EC	EC
Air flow	m³/h	16000	16000
External static pressure	Pa	100	100
Air supply	-	Upflow	Downflow
Compressors	N°	2	1
Type	-	Inverter	Inverter
Connection Pipes *(Base on pipes of 30m)*			
Liquid pipe diameter	mm	19	19
Gas pipe diameter	mm	22	22
Humidifier inlet pipe	-	G1/2"	G1/2"
Height Difference			
Height Difference	m	-5~10	-5~10
Air Filters			
Efficiency	-	G4	G4
Electric Heater			
Capacity	kw	9.0	9.0
Humidifier			
Type	-	Wet-film	Wet-film
Capacity	kg/h	10.0	10.0
ODU Model			
Flat-type	mm	LMT050SP	LMT050SP
V-type	mm	LMT050SF	LMT050SF
Dimensions			
IDU (W*D*H)	mm	1830*996*1995	1830*996*1995
Flat-type ODU (W*D*H)	mm	1200*817*1216	1200*817*1216
V-type ODU (W*D*H)	mm	1280*1100*2085	1280*1100*2085
Net Weight			
IDU	kg	585	585
Flat-type ODU	kg	145	145
V-type ODU	kg	170	170
Electrical			
Power supply	-	380V-415V/3Ph/50Hz, 380V-415V/3Ph/60Hz, 460V-480V/3Ph/60Hz	
Unit max current	A	74.40 (380V-415V), 61.46 (460V-480V)	

Ordering Information

Part Number	Description
LMA4060U3E	Room Based Inverter Air-Cooled CRAC Indoor Unit Upflow with Electric Heater + Wet Film Type Humidifier (60kW)
LMA4060D3E	Room Based Inverter Air-Cooled CRAC Indoor Unit Downflow with Electric Heater + Wet Film Type Humidifier (60kW)

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