Room-Based
Air-Cooled Plus CRAC

GENERAL CHARACTERISTICS

- LMA Room-based Air-cooledPlus 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. Every product is fully tested before ex-factory to ensure performances andreliability.
- Application scenarios: data center, communication equipment and computer room, MRI and CT room, other precision equipment environment, such as precision processing, electronic instrument workshop, museum, archives, high-end wine cellar,medical equipment room, constant temperature and humidity laboratory, etc.

MAIN COMPONENTS

- Adopt fully enclosed inverter compressors and EC fans to minimize vibration and noise.
- 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 operation.



Indoor Unit



Outdoor Unit

Litech®

Room-Based
Air-Cooled Plus CRAC

Parameter		Specification
		LMA4100D1E
Cooling Capacity		
Total	kW	100.2
Sensible	kW	90.18
EER	-	3.0
Refrigerant	-	R410A
Indoor temp.	°C/RH	24.0/50%
Outdoor temp.	°C	35.0
Fan	N°	2
Brand	-	ZIEHL-ABEGG
Type	-	EC
Air flow	m³/h	27000
External static pressure	Pa	100
Air supply	-	Downflow
Compressors	N°	2
Type	-	GMCC
Connection Pipes		
Liquid pipe diameter	inch	22
Gas pipe diameter	inch	28
Air Filters		
Efficiency	-	G4
Electric Heater		
Capacity	kw	-
Humidifier		
Type	-	-
Capacity	kg/h	-
Outdoor Model		
	-	CMT088SPC3A
Dimensions		
Indoor unit (W*D*H)	mm	2230*996*1995
V-shaped outdoor unit (W*D*H)	mm	1280*1100*2128
Net Weight		
Indoor unit	kg	775
Outdoor unit	kg	210
Electrical		
Power supply	-	380~415V/3Ph/50Hz

Ordering Information

Part Number	Description
LMA4100U3E3A	Room Based Air-Cooled-Plus CRAC Indoor Unit Upflow with Electric Heater + Electrode Type Humidifier (100kW)

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