Row-Based Inverter
Air-Cooled CRAC

GENERAL CHARACTERISTICS

- LRA Row-based Air-cooled air conditioner adopts high efficiency DC inverter 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, high-end wine cellar,medical equipment room, constant temperature and humidity laboratory, etc.

MAIN COMPONENTS

- Adopt DC inverter 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.
- Adopt electronic expansion valve, accurately controlling refrigerant flow to support the unit load.



W:600mm D:1200mm H:2000mm

Indoor Unit



*2171mm*817mm*1048mm*

Flat-type Outdoor Unit LMT066SP



*1275mm*1100mm*1985mm*

V-type Outdoor Unit LMT066SF

Litech®

Row-Based Inverter
Air-Cooled CRAC

Parameter		Specification
		LRA3040F3E
Cooling Capacity		
Total	kW	40.0
Sensible	kW	40.0
Refrigerant	-	R410a
Indoor temp.	°C/RH	37.0/24%
Outdoor temp.	°C	35.0
Fan	N°	2
Brand	-	ZIEHL-ABEGG
Type	-	EC
Air flow	m³/h	8000
External static pressure	Pa	10
Air supply	-	Upfront
Compressors	N°	1
Type	-	Inverter
Connection Pipes *(Base on pipes of 30m)*		
Liquid pipe diameter	inch	7/8"
Gas pipe diameter	inch	5/8"
Air Filters		
Efficiency	-	G4
Electric Heater		
Capacity	kw	6.0
Humidifier		
Type	-	Wet-film
Capacity	kg/h	3.0
IDU		
Width	mm	600
Depth	mm	1200
Height	mm	2000
Weight	kg	250
IDU max current	A	50.2
ODU		
Model	-	LRA066SP/LRA066SF
Dimensions	mm	2171*817*1048 / 1275*1100*1985
Net weight	kg	168/210
Electrical		
Power supply	-	380~415V/3ph/50Hz

Ordering Information

Part Number	Description
LRA3040F3E	Row Based Inverter Air-Cooled CRAC Indoor Unit Upfront with Electric Heater + Wet Film Type Humidifier (40kW)

Litech®