



ISO9001 - ISO14001
OHSAS 18001



References:

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Customer:

Contact:

Your reference:

DYNACIATPOWER LG/LGP 900V R410A

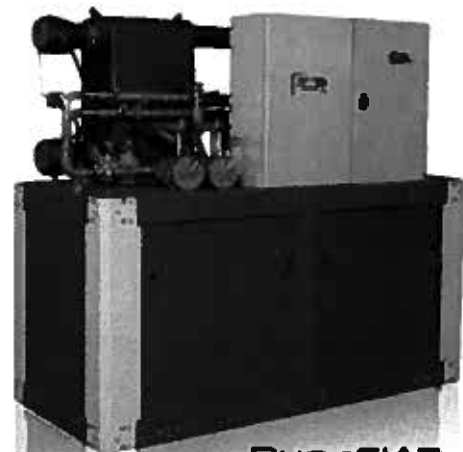
**Compact, attractive and silent unit - Scroll compressors - Brazed-plate heat exchangers
Control by microprocessor electronic module.**

As per technical manual No. CAT

Refrigerant/kg : R410A / 16+16
Number of refrigerant circuits : 2
Capacity control : 100-78-71-50-28-21-0 %
Starting mode : in cascade

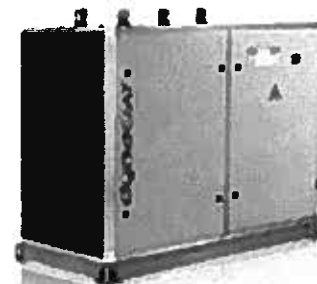


Net cooling capacity : 278,1 kW
Net EER (EN 14511)/net ESEER : 4,41 / 5,48
Fluid : Water
Inlet / Outlet temperature : 11,0 °C / 6,0 °C
Flow rate : 48,0 m3/h
Pressure drop : 35187,0 Pa
Connection diameter : VICTAULIC DN 100



DynaCIAT^{POWER}
700V-2400V

Net heating capacity : 341,1 kW
Net COP (EN 14511) : 5,41
Fluid : Water
Inlet / outlet temperature : 25,0 °C / 35,0 °C
Flow rate : 29,3 m3/h
Pressure drop : 11728,0 Pa
Connection diameter : VICTAULIC DN 100



DynaCIAT
120V-600V

Net power input : 63,0 kW
Electrical supply : Three-phase, 400 V, 50 Hz
Intensity for selection of the electric cable : 182,0 A
Starting current with SOFT START : 287,0 A

Net performance at partial load operation under standard Eurovent/EN 14511 conditions

EER 100%	EER 75%	EER 50%	EER 25%	ESEER
4,48	5,09	5,73	5,73	5,48



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STANDARD EQUIPMENTS INCLUDED :

- **Water flow switch**
- **Main safety switch**
- **RS485 output- Open Modbus/Jbus communication protocol**
- **Running time meters and adjustment of compressor running times**
- **Water supply control - water return - water law/Outdoor temperature**
- **Automatic operation control/General fault summary**

We also offer maintenance contracts for all our units.

Install a water filter (800 microns minimum) on the hydraulic circuit to protect the heat exchanger.

Filter optional. Take into account the corresponding pressure drops when selecting the pump.

To ensure proper operation of the unit, the system must have a capacity of at least 844 l.

The minimum water volume calculation is provided for nominal Eurovent conditions in cooling mode only.

This value is applicable in most air conditioning applications (unit with fan coil units)

Comment:

The buffer tank must be fitted on systems operating with a small volume of water (unit with air handling unit) or in the case of industrial processes.

In the case of heat pump applications, we recommend using a buffer tank to maintain a stable temperature during the defrost cycles.

Install a control device between the unit and the circulation pump

The evaporator water flow rate must be between 29 and 92 m³/h

Condenser water flow must be between 25 and 84 m³/h

These units are designed for installation and storage in sheltered equipment rooms. Failure to comply with this requirement will void the manufacturer's warranty