



ISO9001 • ISO14001
OHSAS 18001



References:

Dated: 10/27/2015

Page: 1 / 3

Skyshot CS

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Customer:

Contact:

Your reference:

Air-cooled packaged water chiller with screw compressor for outdoor installation

POWERCAT2 LX 2500X HEE R134a

Compact and attractive unit designed for air conditioning and industrial cooling process applications

User-friendly microprocessor control. Numerous of remote possibilities of communication

As per technical brochure N°

Refrigerant / GWP : R134a / 1430
 kg / tCO2Equ : 87 / 124.4
 Number of refrigeration circuits : 2
 Power control : 25-100%
 continuous
 Starting mode : Star-Delta

Gross cooling capacity : 616.0 kW
Net cooling capacity : 612.7 kW
Net EER (EN 14511-2013) : 3.04
Net ESEER : 3.67
 Fluid : Water
 Inlet/outlet temperature : 12.0 °C/ 7.0 °C
 Flow : 29.4 l/s
 Pressure drop : 75.4 kPa
 Diameter of connections : Victaulic DN 200

Air inlet temperature : 35.0 °C
 Fan rotation speed : 910 rpm
 Air flow : 73.3 m3/s
 Number of fans : 12
 Unitary motor power : 1.80 kW

Gross power input : 198.0 kW
Net power input : 201.3 kW

Electrical supply : Three-phase,
 400 V, 50 Hz
 Current for power cable selection (excluding
 options) : 420.0 A
 Starting current : 436.0 A





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Dated: 10/27/2015

Page: 2 / 3

Net performance at partial load operation under standard Eurovent/EN 14511 conditions-2013

EER 100%	EER 75%	EER 50%	EER 25%	ESEER
3.04	3.40	3.68	4.10	3.67

DIMENSIONS AND WEIGHT

Length : 6 506 mm	Width : 2 251 mm	Height : 2 436 mm
Weight (empty) : 5 159 kg	Weight (in operation): 5 400 kg	

Weight varies with the options chosen (given at +/- 10%).

RADIATED SOUND PRESSURE LEVEL (Lp) (*)

Sound pressure level spectrum (dB Lin)						Lp Global sound level
125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	
70	66	64	64	58	48	67 dB(A)

*Sound pressure level: reference $2 * 10E-5$ Pa, tolerance +/- 3 dB.*

Calculated according to $Lp = Lw - 10 \times \log S$

() (at 10 m, at 1,5 m from the ground, in free field directivity 2). Sound pressure levels depend on installation conditions and are given for information only. We remind you that only sound power levels are certified and reliable values.*

Description	Quantity	Price per unit Without taxes EUR
POWERCAT2 LX 2500X HEE R134a	1	
• Anti-vibration mount kit	1	INCLUDED
• Skids for container handling	1	INCLUDED

As per our general sales conditions in your possession.

Validity of prices: 1 month.

As part of our policy of continual improvement, we reserve the right to make any technical modifications we feel necessary without prior notice.

- BASIC EQUIPMENT INCLUDED:

- **All-season COOLING operation +10°C (-15°C with variable-speed fan and compressor noise insulation option)**
- **Water flow controller**
- **Main disconnect switch**
- **Hours run**
- **Pressure sensors**
- **MODBUS-JBUS RS485 & MODBUS-TCP Ethernet open communication protocol**
- **Numbered wires and labelled electrical components**
- **Phase controller (reversal, loss, asymmetry, over and under voltage)**

We also offer maintenance contracts for all our units.

To ensure proper operation of the unit, the system must have a capacity of at least 1967 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: