




INFLIGHT CATERING CENTRE 1

Technical Specifications

Condenser

No of units: 2

Date:
Enquiry dated:
Project:
Quotation-no.:
Item:
Reference:

 Condenser	GVD 090.3B/2x9-ND.E		
Capacity:	2183.2 kW	Refrigerant:	R404A ⁽¹⁾
Air flow:	514200 m ³ /h	Hot gas temp.:	75.0 °C
Air inlet:	30.0 °C	Condensation temp. (dew pt.):	45.0 °C
Altitude:	0 m	Condensate outlet:	42.8 °C
Air velocity:	2.9 m/s	Hot gas flow:	474.59 m ³ /h
Heat transf. coeff.:	38.55 W/(m ² ·K)	Mass flow:	49982 kg/h
		Pressure drop:	0.44 bar / 0.91 K
Fans (AC):	18 Piece(s) 3~400V 50HzΔ/(Y)	Noise pressure level:	70 dB(A) ⁽²⁾
Data per motor (nominal data):		at a distance of:	10.0 m
Speed:	890 min-1 / (700 min-1)	Noise power level:	104 dB(A)
Capacity (mech./el.):	2.79 kW/3.60 kW		
Current:	7.20 A ⁽³⁾		
Total el. power consumption:	67.16 kW	Energy efficiency class:	E (2014)
Casing:	Galv. Steel, RAL 7035	Tubes:	Copper ⁽⁴⁾
Surface:	5601.6 m ²	Fins:	Aluminum ⁽⁴⁾
Tube volume:	691.7 l	Connections per unit:	
Fin spacing:	2.40 mm	Inlet connection:	4 x 88.9 * 3.60 mm
Passes:	2	Outlet:	4 x 88.9 * 3.60 mm
Dry weight:	5247 kg ⁽⁵⁾	Distributions:	4 * 63
Max. operating pressure:	32.0 bar	PED classification:	Category I, module A ⁽⁶⁾
Dimensions: ⁽⁵⁾			
Length:	11754 mm		
Width:	2300 mm		
Height:	2532 mm ⁽⁵⁾		
No. of legs:	8		

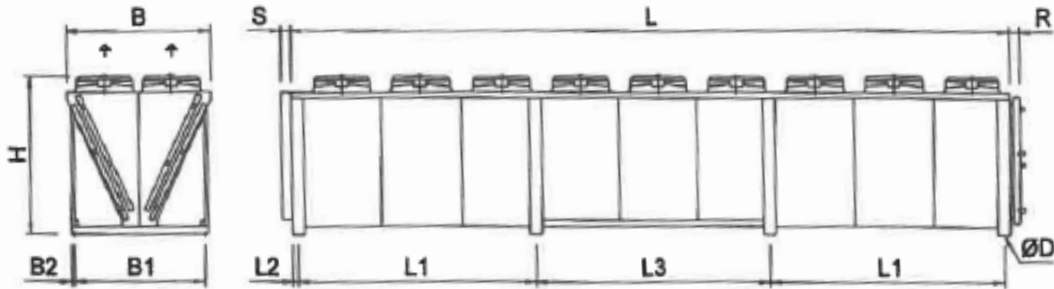
List price excl. VAT:
Unit price
Total (List price without VAT, Incl. packaging)
Terms of delivery:
Payment cond.:
Delivery time:
Validity:
Our general terms of sales and delivery apply!



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L = 11489 mm	B = 2300 mm	H = 2532 mm
R = 245 mm	L1 = 3770 mm	L2 = 77 mm
L3 = 3795 mm	B1 = 2093 mm	B2 = 50 mm
S = 20 mm	ØD = 17 mm	

Attention: Drawing and dimensions not valid for all accessory options!

Important remarks / explanatory notes:

- (1) Fluid group 2 according to pressure equipment directive 2014/68/EU
- (2) According to the enveloping surface method defined in EN 13487/EN 9614-1; Eurovent tolerance = +2 dB(A). Applies only for AC fans, AC fans with sine control and EC fans. Noise caused by other control methods, water spraying systems or sound reflexions occurring at the installation site are not taken into account and may result in an increased sound pressure level.
- (3) The current consumption can differ in dependence of the air temperature and of the variations of system voltage according to the VDE guidance.
- (4) The unit may not be suitable for very corrosive atmospheres (close to shores, in smoke rooms, etc.). For further information see program menu "?", "Material recommendations brochure", or ask your sales partner.
- (5) Dimensions and weights are not valid for all possible options! They may differ for units with accessories or special units (S-...).
- (6) Piping (DN = 81.7 mm, TSm_{ax} = 100 °C, gaseous). Final classification according to pressure equipment directive 2014/68/EU during order processing.