

Technical specification



Gas Cooler Transcritical- 50 Hz

Date
Customer
Reference

Operating Mode	Unit type	Model	
Transcritical	Alfablue Single row	BXMLE1002DD46 CR	
Type of calculation	Design	Altitude (a.s.l)	0 m
Required Capacity	215.00 kW	Margin	1.8 %
Calculated capacity	218.83 kW		
Dimensions***			
Length	4655 mm	Dry weight (approx. +/-5%)	597 kg
Height	1495 mm		
Depth	900 mm		
Packing	Crate	Shipping Volume	8.75 m ³
Thermal Data			
Refrigerant	Carbon dioxide		
Air Temperature	30.0 °C / 45.4 °C	Pressure Drop	25.66 kPa
Subcooling circuit	No		
Gas Flow	3090 kg/h	Gas Inlet/Outlet Temp	120.0 °C / 32.0 °C
Gas Inlet Pressure	90.00 bara		
Fan data ⁽³⁾			
ErP 2015	Yes		
Air flow:	45090m ³ /h	Fans/Motor	2
Airthrow		Fan diameter	1000.0 mm
Rotation speed	700 rpm	Voltage	400V
Total Nominal Power	2200 W	Phase	3 ph
Total Nominal current ⁽²⁾	3.4 A	Connection	D
Sound Pressure Level(10.0 m) ⁽¹⁾	48 dB(A)	Sound Power Level	80 dB(A)
Coil data			
Tube Material	Copper K65	Fin Material	SWR ALMG 2.5
Fin Spacing	2.1 mm	Number of Circuits	46
Surface	603.7 m ²	Internal Volume	52.9 l
Connections (In-Out)	2x28,57mm - 2x28,57mm	Connection Side	Same
Design Pressure PS	120 bar	Test Pressure PS	172 bar
Frame and casework			
Casematerial	Galvanized steel painted		
Coil frame material	Aluzinc		
Cover	Yes		

NOTES

⁽¹⁾ By using the enveloping surface method according to EN 13487

⁽²⁾ Nom. current at T_{air} = 20°C. Variations occur due to different voltage or T_{air}

⁽³⁾ EC Motor

(***) Dimension and weight are not valid for all possible options. Drawings are only preliminary and indicative.

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Options

Feet Loose standard (h 500)
 Vibration damper No

Electrical

Switch on/off No Connection box No
 EC connection

DocumentationAndTests

Quality Control plan
 Fan Test

Summary

Type *Item Id*
 Configured Unit 3289221105
 Feet 10999203
 Total price
 Description1 BXMLE1002DD46 CR
 Description2 SWR 2.1 K65

Program version 5.59 Data update 2016-04-20

