

SCAN ME



500kw Chiller



- Contains the most recent energy-efficient Bitzer screw compressors
- Controlling the water leaving temperature from -10°C to 15°C and the capacity from 25% to 100%.

PERFORMANCE DATA @ DESIGN CONDITIONS

Cooling Capacity	kW	520
Operation Fluid Temperature IN/OUT	°C	12/7
Design Ambient Temperature	°C	30
Fluid Flow Min/Max	m3/hr	56.8/152.0
	l/s	15.7/42.2

OPERATING LIMITS

Min/Max Ambient Temperature	°C	-18/43
Min/Max Leaving Fluid Temperature	°C	-10/15
Evaporator Pressure Drop	kPa	37.8
Max Working Pressure	BAR	1,000
Evaporator Water Volume	l	200

ELECTRICAL DATA

Electrical Supply Voltage 3 phase	V	400
Chiller Power Connections		12mm lugs 3 core + earth, no neutral
Cable Connection	M12	
Max Power Absorbed	kW	111
Max Current Absorbed (+7°C)	A	230
Starting Current (Max)	A	423
Pre-Heating Crankcase Supply	V	230
AUX Supply Connection for pump		32A Ceeform
Recommended Generator Set	kVA	300
Control System		W3000

REFRIGERANT SYSTEM

Bitzer Screw Compressors (2 circuits)	6 Step Capacity	2
6 step capacity (50-100% Variable Capacity)		
Refrigerant (Zero ozone depletion potential)		
Refrigerant/oil charge	HFC	R134a

FANS

Total Number	1.2kW each	6
Total Airflow	m3/hr	19.5

SOUND DATA

Sound Pressure Level at 10 metres (ISO3744)	dB(A)	54
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PHYSICAL DATA WITH FRAME

Overall Length	mm	3,100
Overall Width	mm	2,360
Overall Height	mm	2,400
Weight	kg	3,600
Fluid Coupling Size	mm/inch	100/4
Fluid Coupling Type	choice	PN16 Flange/bauer
IPLV Rating		4.15
ESEER Rating		3.70

We're here to help
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