

160kW Chiller

Process cooling applications: aircooled chiller with scroll compressors and coaxial evaporator



Key Features

- Large volume coaxial evaporator, ideal for process operations (4kW-75kW models). The 160kW unit has a large shell & tube evaporator and 400 litre tank
- Excellent EER (energy efficiency ratio) co-efficiencies
- Integral manual bypasses, helps with ease of commissioning
- Y-strainer on every unit, protects chillers & your process from fouling
- An entirely packaged unit, can be modified for non-ferrous applications
- Built in option of a high-pressure pump
- Controls are very simple, making set up quick & easy
- Vented or pressurised option as standard – no modifications necessary
- If not using the internal pump there is a dedicated feed on the evaporator to run a high-pressure pump, entirely excluding the internal pump

General Chiller Data

Cooling capacity	kW	159
Design Conditions	°C	Ambient: 30 / Entering: 12/ Leaving: 7
E.E.R	kW/kW	3.39
Refrigerant Gas	R	410A

Compressor Data

Compressor Type	-	Scroll
Number of Compressors	N°	4
Number of Circuits	N°	2
Total Compressors Nominal Absorbed Power	kW	41.04
Total Compressor Running Current (RLA)	A	71.45
Capacity Steps	N°	4

Evaporator Data

Type of Evaporator	Type	Shell and Tube
Nominal Flow Rate	m ³ /h	27.27
Pressure Drop	kPa	60.31
Incoming Pressure PRV	-	3bar
System Volume	Ltrs	470
Hydraulic Connections	Type	4" Bauer

*Please note, information given is indicative and subject to change at any time



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Pump Data

Integral P3 Pump Included	-	Yes
Optional P5 Pump	-	Electrical Feed Included

Axial Fans and Condenser Data

Number of Condenser Coils	N°	1
Number of Fans	N°	3
Total Air Flow	m ³ /h	57000

Total Electrical Data

Nominal Absorbed Power	kW	51.42
Maximum Absorbed Current (FLA)	A	117.45
Maximum Starting Current (LRA)	A	232.95
Plug type	-	125a 3ph 5pin plug
Electrical feed	V/ph/Hz	400/3/50 + E (No Neutral)

Dimensions

Length	mm	3355
Width	mm	1105*
Height	mm	2205

Weight

Empty Weight	kg	1260
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Our Hire fleet also includes:



AHUs



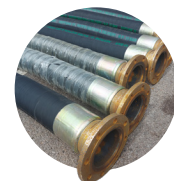
Heat Exchangers



Wide Chiller Range



Glycol



Hoses & Fittings

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