



## 40kW 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	39.22
Design Conditions	°C	Ambient: 30 / Entering: 12/ Leaving: 7
E.E.R	kW/kW	3.28
Refrigerant Gas	R	410A

### Compressor Data

Compressor Type	-	Scroll
Number of Compressors	N°	1
Number of Circuits	N°	1
Total Compressors Nominal Absorbed Power	kW	10.35
Total Compressor Running Current (RLA)	A	18.02
Capacity Steps	N°	1

### Evaporator Data

Type of Evaporator	Type	Coaxial
Nominal Flow Rate	m <sup>3</sup> /h	6.73
Pressure Drop	kPa	37.55
Incoming Pressure PRV	-	3bar
System Volume	Ltrs	270
Hydraulic Connections	Type	2" 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°	2
Total Air Flow	m <sup>3</sup> /h	16400

### Total Electrical Data

Nominal Absorbed Power	kW	14.17
Maximum Absorbed Current (FLA)	A	31.82
Maximum Starting Current (LRA)	A	144.24
Plug type	-	32a 3ph 5pin plug
Electrical feed	V/ph/Hz	400/3/50 + E (No Neutral)

### Dimensions

Length	mm	1610
Width	mm	860
Height	mm	1550

### Weight

Empty Weight	kg	450
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### Our Hire fleet also includes:



AHUs



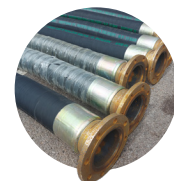
Heat Exchangers



Wide Chiller Range



Glycol



Hoses & Fittings

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