



## 40kW Aqua Pro Chiller

Process cooling applications: highly efficient air-cooled chiller with low GWP R454b refrigerant, scroll compressors and coaxial evaporator



### Key Features

- Large volume coaxial evaporator, ideal for process operations
- Low GWP refrigerant, lower running costs
- Integral manual bypass, helps with ease of commissioning
- Y-strainer on every unit, protects chillers & your process from fouling
- Built in pump and tank
- Optional 5 bar high-pressure pump
- Can be modified for non-ferrous applications
- Controls are very simple, making set up quick & easy
- Vented or pressurised option as standard – no modifications necessary



Excellent EER (Energy Efficiency Ratio)



R454B refrigerant, with a GWP rating of just 466, 78% lower than R410A

### General Chiller Data

Cooling Capacity	kW	37.67
Design Conditions	°C	Ambient: 30 / Entering: 12/ Leaving: 7
E.E.R	kW/kW	3.54
Refrigerant Gas	R	454b

### Compressor Data

Compressor Type	-	Scroll
Number of Compressors	N°	1
Number of Circuits	N°	1
Total Compressors Nominal Absorbed Power	kW	9.03
Total Compressor Running Current (RLA)	A	14.78
Capacity Steps	N°	1

### Evaporator Data

Type of Evaporator	Type	Coaxial
Nominal Flow Rate	m <sup>3</sup> /h	6.46
Pressure Drop	kPa	57.01
Incoming Pressure PRV	-	3 bar
System Volume	Ltrs	270
Hydraulic Connections	-	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	28.1
Maximum Starting Current (LRA)	A	149.00
Plug Type	-	32a 3ph 5pin plug
Electrical Feed	V/ph/Hz	400/3/50 + E (No Neutral)

### Total Electrical Data

Length	mm	1744
Width	mm	900
Height	mm	1635

### Weight

Empty Weight	kg	470
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