



145kW 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
- 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	145.06
Design Conditions	°C	Ambient: 30 / Entering: 12/ Leaving: 7
E.E.R	kW/kW	3.59
Refrigerant Gas	R	454b

Compressor Data

Compressor Type	-	Scroll
Number of Compressors	N°	2
Number of Circuits	N°	2
Total Compressors Nominal Absorbed Power	kW	36.54
Total Compressor Running Current (RLA)	A	58.32
Capacity Steps	N°	2

Evaporator Data

Type of Evaporator	Type	Coaxial
Nominal Flow Rate	m ³ /h	24.88
Pressure Drop	kPa	68.12
Incoming Pressure PRV	-	3 bar
System Volume	Ltrs	470
Expansion Vessel Volume	Ltrs	19
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 ³ /h	40000

Total Electrical Data

Nominal Absorbed Power	kW	53.28
Maximum Absorbed Current (FLA)	A	93.2
Maximum Starting Current (LRA)	A	216.00
Plug Type	-	125a 3ph 5pin plug
Electrical Feed	V/ph/Hz	400/3/50 + E (No Neutral)

Total Electrical Data

Length	mm	3355
Width	mm	1205
Height	mm	2203

Weight

Empty Weight	kg	1320
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