X-Series Cooling Units

CLOSED LOOP ENCLOSURE COOLING.

Precision Cooling for Energy Efficiency





X-Series

Flexible

- Utilizing inverter technology, each unit covers a wide range of cooling capacity making each unit highly versatile.

Energy Efficient

- The variable speed compressor will adjust according to the application requirements using less energy compared to a fix speed compressor.
- The variable speed components combined with Pfannenberg's years of experience optimizing the control algorithm leads to significant energy savings for customers.

Connectivity Ready

- Comes standard with RS485 interface to enable communication via Modbus RTU protocol.

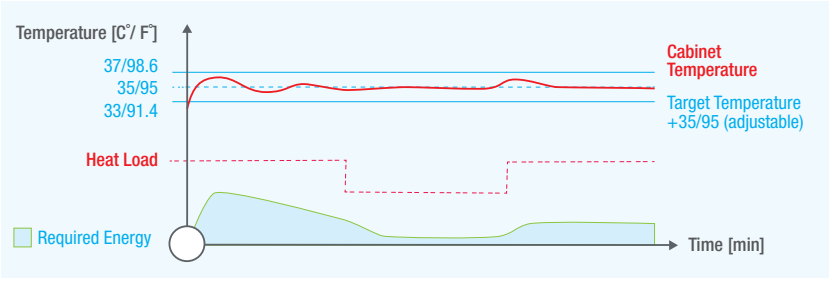
Precise Cooling

- Designed for precision cooling with accuracy of +/-0.1 K (0.2degF).

Quick Installation

- Cutout is compatible with other Pfannenberg units for easy upgrade.
- Available in both recessed mount to save floor space and side mount.

Product		DTI 6X1E	DTS 6X1E	DTI 6X2E	DTS 6X2E
Article No.	**XC**	13897332555	13887332555	13897832555	13887832555
Mounting Type		Recessed Mount	Side Mount	Recessed Mount	Side Mount
Cooling Capacity, Regulated		1000-2800 W		2000-4500 W	
Rated Voltage ±10%		AC 50 | 60 Hz			
		400/460 V			
Cooling Capacity	**A35/A20**	3300 W		4800 W	
Cooling Capacity according to EN 14511	**A35/A35**	2800 W		4500 W	
	A35/A50	2100 W		3100 W	
Power Consumption	**A35/A35**	240 - 1300 W		240 - 2020 W	
Current Consumption	**A35/A35**	3.2 A		4.6 A	
Starting Current		soft start			
Pre Fuse Type		6A (type C)		10A (type C)	
Type of Connection		spring-type terminal included with plug			
Unimpeded Airflow (Free Flow)	**internal**	990 m³/h		1430 m³/h	
Ambient Temperature		+15 °C … +55 °C | +59 °F ... +131 °F			
Control Range (adjustable)		+25 °C … +45 °C | +77 °F … +113 °F; factory setting +35 °C | +95 °F			
Medium	**R134a**	1100 g		1950 g	
Condensate Management		integrated condensate evaporation system with safety overflow			
Weight (Netto)		70 kg	75 kg	84 kg	87 kg
Protection system according to EN 60529	**IP 54**	towards the electrical enclosure if used as intended by the manufacturer			
	IP 34	towards the surroundings if used as intended by the manufacturer			
Design	**housing**	galvanized sheet steel			
	cover	electrostatically powder coated (200 °C)			
Colour	**cover**	RAL 7035			



Precision Cooling for Efficiency

Inverter technology combined with years of experience in control algorithms eliminates the temperature spike within the cabinet seen in single speed compressor cooling units. This system provides more consistent cabinet temperature protecting the sensitive components inside (refer to the solid red line). The inverter technology allows the cooling unit to operate at partial load by only cooling to the heat load (red dotted line) inside the cabinet to reduce energy consumption (refer to green line).



PRODUCT INFORMATION
https://hubs.ly/Q02Bltp40

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