

AXpro

Air-Cooled Water Chillers
for Plastic Industry Dedicated Cooling



75 ~ 320 kW
Cooling capacity

R407c
Refrigerant

Find out more



Eurochiller AXpro range

Reliable, Versatile and with Premium Components

AXpro is a process water chiller that can integrate multiple energy saving technologies in a single solution to optimize consumption in both winter and summer seasons. Designed specifically for industrial processes, these chillers provide exceptional energy efficiency, multiple gas circuits, and robust construction suitable for demanding industrial applications. Featuring scroll compressors, electronic expansion valves, integrated Icons connectivity, and with the possibility of free cooling and adiabatic systems, the AXpro series guarantees high performance, reliability, and energy saving. With its compact design - integrating also hydronic components such as pumps and tank - AXpro is perfect for plug-and-play outdoor installations.



Energy saving

AXpro chillers benefit of different versions to guarantee high performances in all periods of the year.

Free cooling version allows to produce cold water at the lowest possible cost, exploiting during the cold season the low temperature of the ambient air moved by the fans to cool the water that passes through the finned coil (free-cooler).

Adiabatic version helps to reduce the electrical absorption of the compressors during the summer season, thanks to the evaporative pre-cooling of the air entering the condensers.



Reliability

AXpro chillers are built to handle the most demanding **industrial applications**. With robust construction and **high-quality components**, and thanks to a **double gas circuit**, they ensure consistent and reliable performance even in challenging environments.

Rigorous testing guarantees **effective operation** under heavy loads and extreme conditions, making them a dependable cooling solution for your industrial needs.



Precision & Connectivity

AXpro chillers offer extremely precise temperature regulation, essential for the quality of industrial processes. With advanced technology and **integrated connectivity**, it is possible to control and monitor the chiller remotely, ensuring flexibility and responsiveness in managing operations.

MULTIPLE CONFIGURATIONS



HIGH PERFORMANCE



INTUITIVE HMI



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Reliable, Versatile and with Premium Components

Robust frame structure

Epoxy coating protection

EC Axial fans option

Brushless fans for -20°C installations

Microchannel coils

Less refrigerant charge / More efficiency

Centrifugal water pump

3 bar and 5 bar pump configurations



IQ21 PLC controller

Industrial Touch screen display interface

Hydronic configuration flexibility

Possibility to have tank and standby pump

Scroll compressors

Twin circuit refrigerant

Electronic expansion valve

Partial load control optimized

Ready for Industry 5.0



The optional **Chiller Gateway interface** enables seamless integration with the most widely used industrial communication protocols, including Ethernet and Profibus. This feature supports the digital transformation of manufacturing environments by ensuring full connectivity within modern factory.



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Technical Data¹

		80	95	110	135	170	230	270	320
AXpro 50 Hz									
Cooling Capacity²	[kW]	75,1	95,7	107,9	135,7	171,5	222,0	267,1	298,0
Power consumption ²	[kW]	18,5	23,4	25,4	31,4	41,9	50,8	72,3	83,9
SEPR HT³ Reg. EU 2281/2016	-	5,11	5,05	5,20	5,21	5,01	5,10	5,07	5,04
Compressors / Circuits		1 / 2						2 / 2	
Number of fans		2			3				
Buffer tank volume - option	[L]	370			440			500	
IN/OUT water connections	[inch]	2"			2" ½			4"	
Length	[mm]	3.593			5.049			5.064	
Width	[mm]	1.294			1.249			1.749	
Height	[mm]	2.000			2.000			2.299	
Net Weight	[kg]	1.704	1.714	2.233	2.427	2.465	3.081	3.348	3.396

(1) Data refer to Standard version, without adiabatic and free cooling.

(2) Reference condition: Ambient Air 25°C, Evaporator in 20°C / out 15°C, 0% Glycol.

(3) Data declared in compliance with the European Regulation (EU) 2016/2281 regarding Eco-Design requirements for cooling products and high temperature process chillers. Values refer to configuration without pump.

Applications of AXpro Chillers in the Plastics Industry

- Plastic Molding Machines
- Chill Rolls
- Shredder Recycling
- Wrap Recycling
- Bag, Bottle, and Film Production
- Injection Molding
- Blown Film Molding
- Stretch Blow Molding
- Profile Extrusion

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