

Chiller | WLA Precision ErP

Air-cooled industrial liquid chiller | ErP2021 compliant, with scroll compressors | R410A refrigerant | 50 -160 kW

Article:	WLA Precision ErP
Brand:	Cosmotec
Type:	Air-cooled
Effect:	50 - 160 kW



Description

Chiller / WLA Precision ErP – The new WLA Precision range of industrial liquid chillers has been designed to guarantee the high standards of reliability required by production processes running 24/7 and perfectly meets the needs of applications that demand high standards of quality and reliability.

Thanks to the careful design and dedicated technological solutions such as evaporators and condensers with high exchange surface area, the electronic expansion valve as standard and the new high-efficiency axial fans, the WLA Precision ErP range is characterised by its high thermodynamic performance, which exceeds the minimum energy efficiency requirements imposed by the European ErP Ecodesign directive.

Advantages:

- Energy Efficiency : thermodynamic optimisation and increased exchange surfaces allow WLA precision ErP units to comply with the limits required by ErP2021 – SEPR HT (EU) 2016/2281 – SEPR MT (EU) 2015/1095.
- Extended operating limits : max outdoor air temperature +45°C; min -10°C (-20°C in LT version); max evaporator water outlet temperature up to +25°C; min 0°C (-10°C in BRINE version);
- Outdoor installations : the electrical panel made in accordance with EN 60204 and with IP44 protection rating (IP54 optional) allows outdoor installation;
- STANDARD version – Non ferrous : includes an AISI316 brazed plate evaporator protected from freezing by a differential pressure switch and an anti-freeze probe. The hydronic module is suitable for atmospheric hydraulic circuits and includes an AISI304 tank equipped with a level sensor and the circuitry composed of non-ferrous materials;
- Electronic Expansion Valve (EEV) : optimises the operation of the refrigerant circuit under all thermal load conditions;
- Automatic hydraulic bypass valve : protects the pump and hydraulic circuit as a pressure limiting device;
- Phase monitor : provides protection against loss and electrical phase reversal;
- High efficiency brushless EC axial fans : standard for LASER and low ambient temperature LT versions.

Article number

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