



HTAURUS TECH



Heat pumps featuring hermetic scroll compressors.

Nominal cooling capacity 65 - 131 kW

Nominal heating capacity 78 - 156 kW



Excellence in residential and commercial air-conditioning.

The air-cooled heat pumps HTAURUS TECH always meet the requirements of residential and commercial air conditioning applications, through their versatility and easy installation. The HTAURUS TECH range already meets the performance requirements of the ErP Regulation EcoDesign, combining highest level of seasonal efficiency with huge customization possibilities, to allow the installation on every system. Reduced management and installation costs, maximum reliability and environmental protection make heat pumps HTAURUS TECH the right choice for today and tomorrow installations.



Cooling, conditioning, purifying.

Benefits

- Seasonal efficiency compliant with the parameters required by the ErP regulation for SCOP index;
- Acoustic configurations SHE and SSN with reduced sound levels;
- High full load efficiency (EER and COP);
- DDS system for optimised defrosting in heating mode;
- Extended working limits for starting up and operating even in the worst conditions;
- Wide choice of options and kits for simplified installation;
- Easy access to all internal components.

Options

- Low ambient temperature option (down to -20 °C in cooling mode);
- High efficiency EC brushless fans;
- Single or double water pump with low or medium head pressure;
- Water accumulation tank;
- Partial heat recovery;
- Anti-freeze protection heaters for heat exchangers, pump/s and water accumulation tank (if included);
- IN/OUT compressors valves;
- Hydraulic group protection with covering panels or metallic mesh;
- Condenser coils protection with metallic filters or metallic mesh;
- Protective coating for condenser coils, suitable for installation in aggressive environments;
- Soft starters to reduce by 30% the starting current.

Standard features

- Refrigerant R410A;
- Hermetic scroll compressors on single refrigerant circuit;
- Crankcase heater compressor and phase-monitor;
- Plate evaporator;
- Axial fans with die-cast aluminium blades and AC motors;
- Electrical cabinet protection rating IP54;
- Parametric microprocessor control;
- Electronic expansion valve;
- Air-cooled condensers (copper tubes/aluminium fins) with longitudinal "V" shape layout;
- High and low refrigerant pressure switches;
- Refrigerant pressure gauges.

Kits

- Antivibration mounts;
- Replicated remote user display (LED or LCD version);
- RS485 ModBus kit for connection to supervisor systems;
- xWEB300D EVO supervisor system;
- Modularity kit (master/slave configuration from 2 to 5 units).

Acoustic configurations

- HE - Basic acoustic configuration;
- SHE - Low noise acoustic configuration;
- SSN - Very low noise acoustic configuration (not available on model 065).

HTAT Model	30			35			40			50			55			60			65			
	HE	SHE	SSN	HE	SHE	SSN	HE	SHE	SSN	HE	SHE	SSN	HE	SHE	SSN	HE	SHE	SSN	HE	SHE	SSN	
Nominal cooling capacity (1)	kW																					
Total absorbed power (1)	kW																					
EER (2)																						
Max external air temperature (3)	°C																					
Nominal heating capacity (4)	kW																					
Total absorbed power (4)	kW																					
COP (5)																						
SCOP (6)																						
ErP efficiency class (6)																						
Min external air temperature (7)	°C																					
Power supply	V/Ph/Hz																					
Circuits / Compressors	N°																					
Sound power level (8)	dB(A)																					
Sound pressure level (9)	dB(A)																					
Depth	mm																					
Width	mm																					
Height	mm																					
Installed weight	kg																					

Data declared according to UNI EN 14511:2018. All data refers to standard units without accessories/options which require an electrical feeding source and in nominal working conditions. The listed noise levels, weights and dimensions refer to base chillers with no options/accessories fitted.

- (1) Data referred to nominal conditions, external ambient temperature 35 °C and evaporator water temperature IN/OUT 12/7 °C;
- (2) Data referred to the full load functioning and nominal conditions, external ambient temperature 35 °C and evaporator water temperature IN/OUT 12/7 °C;
- (3) Data declared referred to cooling mode and outlet water temperature 7 °C;
- (4) Data referred to nominal conditions external ambient temperature 7 °C, relative humidity 87%, condenser IN/OUT 40/45 °C;
- (5) Data referred to the full load functioning and nominal conditions, external ambient temperature 7 °C, relative humidity 87%, condenser IN/OUT 40/45 °C;
- (6) Data declared according to the European Regulation 813/2013 for heat pumps at low temperature (BT) in average climate conditions (Strasbourg) and variable outlet water temperature;
- (7) Data declared with: heating mode and outlet water temperature 45 °C;
- (8) Determined on the basis of measurements taken in accordance with the standard ISO 3744;
- (9) Average value obtained in free field on a reflective surface at a distance of 10 m from the external side of the electrical panel of machine and at a height of 1,6 m from the unit support base. Values with tolerance ± 2 dB. The sound levels refer to operation of the unit under full load in nominal conditions without accessories/options.



MTA is ISO9001 certified, a sign of its commitment to complete customer satisfaction.



MTA products comply with European safety directives, as recognised by the CE symbol.



MTA participates in the E.C.C. programme for LCP-HP. Certified products are listed on: www.eurovent-certification.com Certification applied to the units: - Air/Water up to 600 kW - Water/Water up to 1500 kW



EAC Declaration

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