



## BENEFITS

- Reduced noise levels, thanks also to the availability of three differing acoustic versions;
- High EER/COP levels, especially at partial loads;
- Optimisation of heat pump defrosting cycles thanks to the exclusive Frost Detecting System (FDS) (Minimum ambient temperature in heat pump mode= -10°C);
- SAC self-adapting temperature control for efficient operation in installations with low water contents (dual-compressor models);
- Start-up and operation in even the most adverse conditions;
- Easy installation and simple access to all chiller components;
- Easy to use, thanks to an intuitive controller with dual icon-based display;
- Compatible with the very latest supervisor and interface systems (BMS).

## MAIN OPTIONS

- Add-on external pumping unit with 1 or 2 pumps;
- Storage tank;
- Compressor shut-off valves on suction and discharge lines;
- Electronic fan speed control;
- Condenser coils designed for aggressive atmospheres;
- Antivibration dampers;
- Antifreeze heater on evaporator, pumps and tank.
- Metal mesh protective filters or grilles for condensing coils;
- Replicated remote control interface;
- RS485 ModBus interface for connection to supervisor systems;
- X-WEB300 kit for local or remote (GSM mobile phone) monitoring plus data filing based on WEB server technology;
- Refrigerant R134a or R22;
- 460/3/60 power supply.

## STANDARD FEATURES

- 2 or 4 scroll compressors in parallel;
- Single welded-brazed stainless steel plate evaporator "dual-circuit";
- Heat pumps equipped with 2nd thermostatic valve, for performance optimisation in all operating conditions;
- Condensate tray with hose connection;
- Axial fans with progressive activation for optimised condensing pressure control;
- Solenoid valve on the liquid line of each refrigeration circuit;
- IP54 protection rating;
- Factory tested and supplied with refrigerant charge and antifreeze oil;
- Environmentally friendly refrigerants with R410A and R407C zero ozone depletion potential.

## VERSIONS

- Chiller;
- Heat pump;
- Condensing unit (R407C);
- Low ambient air temperature in cooling mode (down to -20 °C);
- Version with recovery desuperheaters;
- Version with total recovery condenser;
- Acoustic configurations:
  - N standard;
  - SN low noise;
  - SSN super-silent.

## TECHNICAL DATA

		<b>Model TAT <i>tech</i> - HTAT <i>tech</i></b>		<b>030</b>	<b>035</b>	<b>040</b>	<b>050</b>	<b>055</b>	<b>060</b>
<b>R410A (TAURIS<sub>tech</sub>)</b>	<b>TAT</b>	Cooling capacity	kW	73.0	82.7	100	115	129	143
		Absorbed power	kW	22.5	23.5	30.4	34.7	38.7	42.6
		ESEER	-	3.80	4.10	4.23	3.68	3.81	4.01
		I.P.L.V.	-	4.03	4.32	4.36	3.87	4.01	4.24
		Max external air temp.	°C	47	47	46	46	47	46
	<b>HTAT</b>	Heating capacity	kW	77.6	85.0	109	120	136	150
		Absorbed power	kW	22.5	24.2	30.5	35.4	41.1	44.7
		Min. external air temp.	°C	-8	-9	-8	-8	-8	-8
	Power supply		V/Ph/Hz	400±10%/3/50					
	Noise level		dB(A)	58.5	58.5	58.3	60.2	59.3	59.3
Depth		mm	2507	2507	2507	3407	3407	3407	
Width		mm	1110	1110	1110	1110	1110	1110	
Height		mm	2120	2120	2120	2120	2120	2120	
Installed weight		Kg	767	801	950	1137	1186	1211	

  

		<b>Model TA - HTA -/MC</b>		<b>070</b>	<b>079</b>	<b>094</b>	<b>106</b>	<b>118</b>	<b>133</b>
<b>R407C (TAURIS)</b>	<b>TA</b>	Cooling capacity	kW	70.0	78.3	93.1	105.7	117.6	131.2
		Absorbed power	kW	23.8	24.9	32.9	37.1	40.9	45.8
		Max external air temp.	°C	46	46	45	46	46	46
	<b>HTA</b>	Heating capacity	kW	70.8	78.0	107.0	114.2	123.5	140.7
		Absorbed power	kW	22.1	24.2	31.7	33.9	38.9	42.9
		Min. external air temp.	°C	-8	-8	-8	-8	-8	-8
	<b>MCTA</b>	Cooling capacity	kW	68.93	75.68	90.97	101.37	118.24	127.67
		Absorbed power	kW	24.12	25.25	33.47	37.17	41.04	45.94
	Max external air temp.		°C	45	46	45	46	46	45
	Power supply		V/Ph/Hz	400±10%/3/50					
Noise level		dB(A)	58.5	58.5	58.3	60.2	59.3	59.3	
Depth		mm	2507	2507	2507	3407	3407	3407	
Width		mm	1110	1110	1110	1110	1110	1110	
Height		mm	2120	2120	2120	2120	2120	2120	
Installed weight		Kg	767	801	950	1137	1186	1211	

All data refers to standard units at the following nominal conditions:

- Chiller: evaporator water inlet-outlet 12-7 °C, external air temperature 35 °C
- Heat pump: condenser water inlet-outlet 40-45 °C, external air temperature 7 °C dry bulb, 6 °C wet bulb
- Condensing unit (R407C): Evaporating temperature 5 °C (DEW), external air temperature 35 °C.

Sound pressure level in hemispherical field at 10 m from condenser side and 1.6 m from ground. Values with tolerance ± 2 dB. The sound levels refer to operation of the unit under full load in nominal conditions and with circulation pump.

Microprocessor with double display and icon control.



Pump section with or without storage tank.

