

FullFLOW-I BOOSTER ECO FullFLOW-I BOOSTER ECOA1 TOHIT 1400÷11000

Heating capacity 401,4-1000,5 kW

Temperature of the produced water up to 85°C

Efficient and eco-friendly range in R1234ze or R515B

Continuous power regulation

Touch interface (optional)

Integrated MASTER/SLAVE control

Tax incentives*



R1234

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₹ R515E

Packaged non-reversible heat pumps with water source. Range with semi-hermetic screw compressors, inverter adjustment and R1234ze or R515B refrigerant gas.

Construction features

- Compressor: high energy efficiency semi-hermetic screw compressor with limited start-up, inverter rotation adjustment (down to 42% at part load), complete with integral protection, casing heater, oil level sensor and refrigerant gas outlet piping shut-off valve
- Utility-side heat exchanger (condenser): with stainless steel plates, complete with closed cell polyurethane foam rubber insulation and water flow differential pressure switch.
- Disposal side heat exchanger (evaporator): with stainless steel plates, complete with closed cell polyurethane foam rubber insulation and water flow differential pressure switch.
- Control: microprocessor electronic control.
- Structure: made of galvanised and painted steel plate with polyester powder coating.

- The unit is also complete with:
- display of cooling circuit high and low pressure;
- electronic expansion valve;
- EMC anti-disturbance filter.
- Master/Slave control up to 4 units in parallel;
- clock board;
- 0-10V analogue signal for water flow modulation.

Versions

• T - High efficiency version



Models

• TOHITE: unit designed for heating only with R1234ze gas.

- TOHITO: unit designed for heating only with R515B gas.
- Remote keypad with display.
- Rhoss supervisors for unit monitoring and remote management.
- Rhoss sequencer for integrated management of multiple chillers.

Factory fitted accessories

- Power factor correction capacitors ($\cos\phi > 0.94$).
- Electro-mechanical flow switch.
- Energy parameter measuring device.
- Cooling circuit inlet valves.
- Refrigerant leak detector.
- Forced limit of power consumption.
- Cooling circuit high and low pressure gauges.
- Double safety valves.
- Technical compartment soundproofing.
- Control of min/max power supply voltage.
- Digital input for double set-point.
- 4-20mA analogue signal for shifting set-point.
- Contacts for Smart Grid integration and photovoltaic system.
- Interfaces for serial communication with other devices.

• Antifreeze heaters for heat exchangers and electrical panel.

- Colour touch user keypad (fitted on the machine or remotely) with 7" display.
- Set-up for outdoor installation.
- Anti-vibration mounts.

Separately supplied accessories

- Outdoor air temperature probe for set-point compensation.
- Water filter.



Technical data

TOHITE-TOHITO MODEL		1400	1455	1530	1660	1750	1875	11000
Heating capacity	kW	401,4	458,1	530,6	662,1	751,4	875,4	1000,5
Absorbed power	kW	110	124,5	140,4	183,9	202	232,2	261,2
• C.O.P.		3,65	3,68	3,78	3,6	3,72	3,77	3,83
TOHITE-TOHITO MODEL		1400	1455	1530	1660	1750	1875	11000
Sound power	dB(A)	91,5	91,5	92	92	93	93	94
Screw compressor	no.	1	1	1	1	1	1	1
Circuits	no.	1	1	1	1	1	1	1
Electrical supply	V-ph-Hz	400-3-50	400-3-50	400-3-50	400-3-50	400-3-50	400-3-50	400-3-50
DIMENSIONS AND WEIGHTS		1400	1455	1530	1660	1750	1875	11000
L – Width	mm	2500	2500	2500	2500	3155	3155	3155
H – Height	mm	2115	2115	2115	2115	2115	2115	2115
P – Depth	mm	1680	1680	1680	1680	1680	1680	1680
TOHITE-TOHITO weight	kg	2065	2125	2210	2305	2995	3080	3220
SEASONAL ENERGY PERFORMANCE		1400	1455	1530	1660	1750	1875	11000
TOHITE-TOHITO MODEL SEASONAL PERFORMANCE IN HEATING MODE								
① Pdesignh (EN 14825)	kW	235	268	308	-	-	-	-
③ SCOP (EN 14825)		4,58	4,62	4,67	-	-	-	-
② ηs	%	175	177	179	-	-	-	-

Data at the following conditions:

• Hot water: 70/78°C. – Evaporator water: 45/40°C.

🤨 Total sound power level in dB(A) based on measurements carried out in accordance with regulation UNI EN-ISO 9614.

Empty weight.

Performance according to EN 14511.

 \circledast ~ In Average climatic conditions, medium temperature application (55°C)

② Seasonal energy efficiency: low temperature heating in Average climate (EU Regulations No.811/2013 and No.813/2013)



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