

Compact-Y EXP MD

TXAEY 133÷265

Cooling capacity 33,8÷61,6 kW

Heating capacity 39,4÷68,3 kW



Features

Integrated MASTER/SLAVE control

Tax incentives*



EXPsystems - Air cooled multi-purpose ecological system with axial fans. Range with scroll hermetic compressors and R410A refrigerant gas.

Construction features

- Compressor: scroll type, rotary, hermetic complete with thermal protection and casing heater.
- Main and secondary heat exchangers: suitably insulated stainless steel plates, complete with antifreeze heater and water flow differential pressure switch.
- Air side heat exchanger: featuring finned coil with copper pipes and aluminium fins, complete with protection grille.
- Fan: external rotor axial type electric fans equipped with internal thermal protection, accident protection grilles and proportional electronic device for continuous fan rotation speed regulation.
- Control: microprocessor electronic control with AdaptiveFunction logic.
- Structure: made of galvanised and painted steel plate.
- The unit is also complete with:
 - display of cooling circuit high and low pressure;
 - Master/Slave control up to 4 units in parallel;

– clock board.

Models

- TXAEY: EXPsystems base unit.

Factory fitted accessories

- PUMP (only for main circuit) with single or double electric pump, including an automatic pump in standby (mod. 260-265) complete with expansion tank, air vent valves, safety valve and water side pressure gauge. The electric pumps are available in the low or high pressure head versions.
- TANK&PUMP (only for main circuit) with inertial buffer tank and single or double electric pump, including an automatic pump in standby (mod. 260-265), complete with expansion tank, air vent valves, safety valve and water side pressure gauge. The electric pumps are available in the low or high pressure head versions.
- Condensing control with fans with EC motor.

- Silenced set up.
- Cooling circuit high and low pressure gauges.
- Antifreeze heater for buffer tank and electric pumps.
- Forced limit of power consumption.
- Digital input for double set-point
- 4-20mA analogue signal for shifting set-point.
- Pre-painted copper/coils or copper/copper coils.

Separately supplied accessories

- Rubber anti-vibration mounts.
- Water filter.
- Remote keypad with display.
- Interfaces for serial communication with other devices.
- Serial converter (RS485/USB).
- Rhoss supervisors for unit monitoring and remote management.

Technical data

TXAEY MODEL		133	260	265
COOLING OPERATIONS (AUTOMATIC 1 MODE)				
① Nominal cooling capacity	kW	33,8	57,9	61,6
① Absorbed power	kW	13,5	21,9	24,4
① E.E.R.		2,5	2,64	2,54
COOLING OPERATIONS + TOTAL RECOVERY (AUTOMATIC 2 MODE)				
② Nominal cooling capacity	kW	32,8	54,7	62,6
② Recovery heating capacity	kW	45,8	75,1	84,6
② T.E.R.		6	6,27	6,59
HEATING OPERATIONS (MODE SELECT 1-2 AUTOMATIC 3)				
② Nominal heating capacity	kW	39,4	62,5	68,3
② Absorbed power	kW	13,6	20,9	23,7
② C.O.P.		2,9	3	2,88
TXAEY MODEL				
④ Sound pressure	dB(A)	54	57	57
④ Silenced setup sound pressure	dB(A)	51	54	54
Scroll compressors/steps	n.	1/1	2/2	2/2
Circuits	n.	1	1	1
Electrical supply	V-ph-Hz	400-3+N-50	400-3+N-50	400-3+N-50
DIMENSIONS AND WEIGHTS				
L – Width	mm	1710	2315	2315
H – Height	mm	1570	1570	1570
P – Depth	mm	1000	1000	1000
⑥ TXAEY weight	kg	505	810	845
SEASONAL ENERGY PERFORMANCE				
TXAEY MODEL SEASONAL PERFORMANCE IN HEATING MODE				
③ Pdesignh (EN 14825)	kW	39	62	68
③ SCOP (EN 14825)		3,28	3,79	3,73
④ ηs	%	128	149	146
④ Energy class		A+	A+	A+

Data at the following conditions:

- ① Air: 35°C – Water: 12/7°C.
- ② Air: 7°C D.B. – 6°C W.B. – Water: 40/45°C.
- ③ Evaporator output water: 7°C, nominal flow rate. Recovery output water: 45°C, nominal flow rate.
- ④ In open field (Q = 2) at 5 m from the unit.
- ⑤ Weight refers to the most complete setup.
Performance according to EN 14511.
T.E.R.: Total efficiency ratio
- ③ In Average climatic conditions, low temperature application (35°C)
- ④ Seasonal energy efficiency: low temperature heating in Average climate (EU Regulations No.811/2013 and No.813/2013)



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