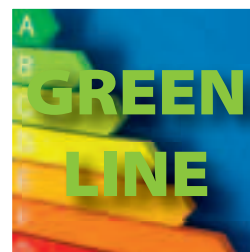


Z-Flow Range EXP TXHVZ 2390÷2800

Cooling capacity: 411÷850 kW - Heating capacity: 462÷953 kW



EXP SYSTEMS
Excellence in Polyvalent technology



TXHVIZ 2710

EXPsystems - Polyvalent ecological water-cooled system. Range with semihermetic screw compressors and R134a refrigerant gas.

Construction features

- Compressor: high energy efficiency semi-hermetic screw compressor, with star-delta limited start and complete with thermal protection, crankcase heater, refrigerant gas delivery piping shut-off valve and compressor oil level sensor.
- Electronic expansion valve: as standard on all models.
- Primary side heat exchanger (user), secondary side exchanger (recovery) and disposal unit: dry expansion shell and tube exchangers, complete with closed cell polyurethane rubber foam insulation, water flow differential pressure switch and Victaulic connections.
- Control: electronic microprocessor control prepared for connection with the main BMS on the market (MODBUS RTU, LON).
- Structure: in galvanised and painted sheet steel, with polyester powder coating.
- The unit is also complete with:
 - low and high pressure gauges for each refrigerant circuit.

Versions

- B - Standard version (TXHVBZ).
- I - Soundproofed version with soundproofed compressor cover (TXHVIZ).

Models

- TXHVBZ: standard EXPsystems unit.
- TXHVIZ: soundproofed EXPsystems unit.

FACTORY FITTED ACCESSORIES

- Power factor correction capacitors ($\cos\phi > 0.94$).
- Compressor thermal overload switches.
- Inlet compressor shut-off valves.
- Heat exchanger antifreeze heater.
- Digital input for double set-point
- Display of refrigerant circuit high/low pressure.
- Control of min/max power supply voltage.
- 4-20 mA analogue input for shifting set-point.
- Serial interface for connection with external BMS.

ACCESSORIES SUPPLIED LOOSE

- Spring antivibration mountings.
- Remote keyboard with display.
- Rhoss sequencer for the integrated management of several water chillers.

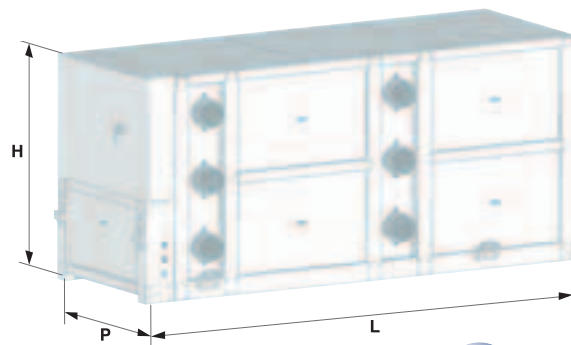


PRELIMINARY

TXHVBZ - TXHVIZ MODEL		2390	2430	2480	2560	2630	2710	2800
① Nominal cooling capacity (AUTOMATIC 1)	kW	411,0	455,0	508,0	599,0	668,0	748,0	850,0
② Nominal cooling capacity (AUTOMATIC 1)	kW	387,0	431,0	480,0	566,0	630,0	706,0	800,0
③ Recovery heating capacity (AUTOMATIC 2)	kW	439,0	495,0	540,0	640,0	709,0	804,0	906,0
④ Nominal heating capacity (SELECT 1-2 AUTOMATIC 3)	kW	462,0	521,0	568,0	671,0	747,0	848,0	953,0
① Total absorbed power (AUTOMATIC 1)	kW	80,4	89,4	94,7	109,3	124,2	141,0	161,2
② Total absorbed power (AUTOMATIC 1)	kW	88,3	98,3	103,8	120,8	135,0	154,0	176,7
③ Total absorbed power (AUTOMATIC 2)	kW	105,7	119,1	123,8	145,0	160,5	184,4	210,5
④ Total absorbed power (SELECT 1-2 AUTOMATIC 3)	kW	107,7	121,4	126,1	147,5	164,0	188,1	214,6
① E.E.R. (AUTOMATIC 1)		5,11	5,09	5,36	5,48	5,38	5,30	5,27
② E.E.R. (AUTOMATIC 1)		4,38	4,38	4,62	4,69	4,67	4,58	4,53
④ C.O.P. (SELECT 1-2 AUTOMATIC 3)		4,29	4,29	4,50	4,55	4,55	4,51	4,44
TXHVBZ MODEL		2390	2430	2480	2560	2630	2710	2800
⑤ Sound power level	dB(A)	97	97	98	99	99	99	99
Screw compressor/steps	No.	2/6	2/6	2/6	2/6	2/6	2/6	2/6
Circuits	No.	2	2	2	2	2	2	2
Main 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		2390	2430	2480	2560	2630	2710	2800
W - Width	mm	4.420	4.420	4.420	4.420	4.420	4.420	4.420
H - Height	mm	2.030	2.030	2.030	2.030	2.030	2.030	2.030
D - Depth	mm	1.620	1.620	1.620	1.620	1.620	1.620	1.620

In the following conditions:

- ① Chilled water (user): 7/12°C - Condenser water (disposal unit-source): 14/30°C.
- ② Chilled water (user): 7/12°C - Condenser water: 30/35°C.
- ③ Chilled water (user): 7/12°C - Condenser water (regenerator): 40/45°C.
- ④ Condenser water (source): 14°C - Water flow rate as in summer operation (①).
Hot water (user): 40/45°C.
- ⑤ Total sound power level in dB(A) on the basis of measurements taken in accordance with ISO 3744.



WATER CHILLERS
HEAT PUMPS
AIR cooled
AXIAL fans

WATER CHILLERS
HEAT PUMPS
AIR cooled
CENTRIFUGAL fans

WATER CHILLERS
HEAT PUMPS
WATER cooled
CONDENSERLESS UNITS

INDUSTRIAL &
PROCESS COOLING

EXP
Polyvalent systems

CONDENSING UNITS

SYSTEM ACCESSORIES

FAN COIL UNITS

TERMINAL UNITS