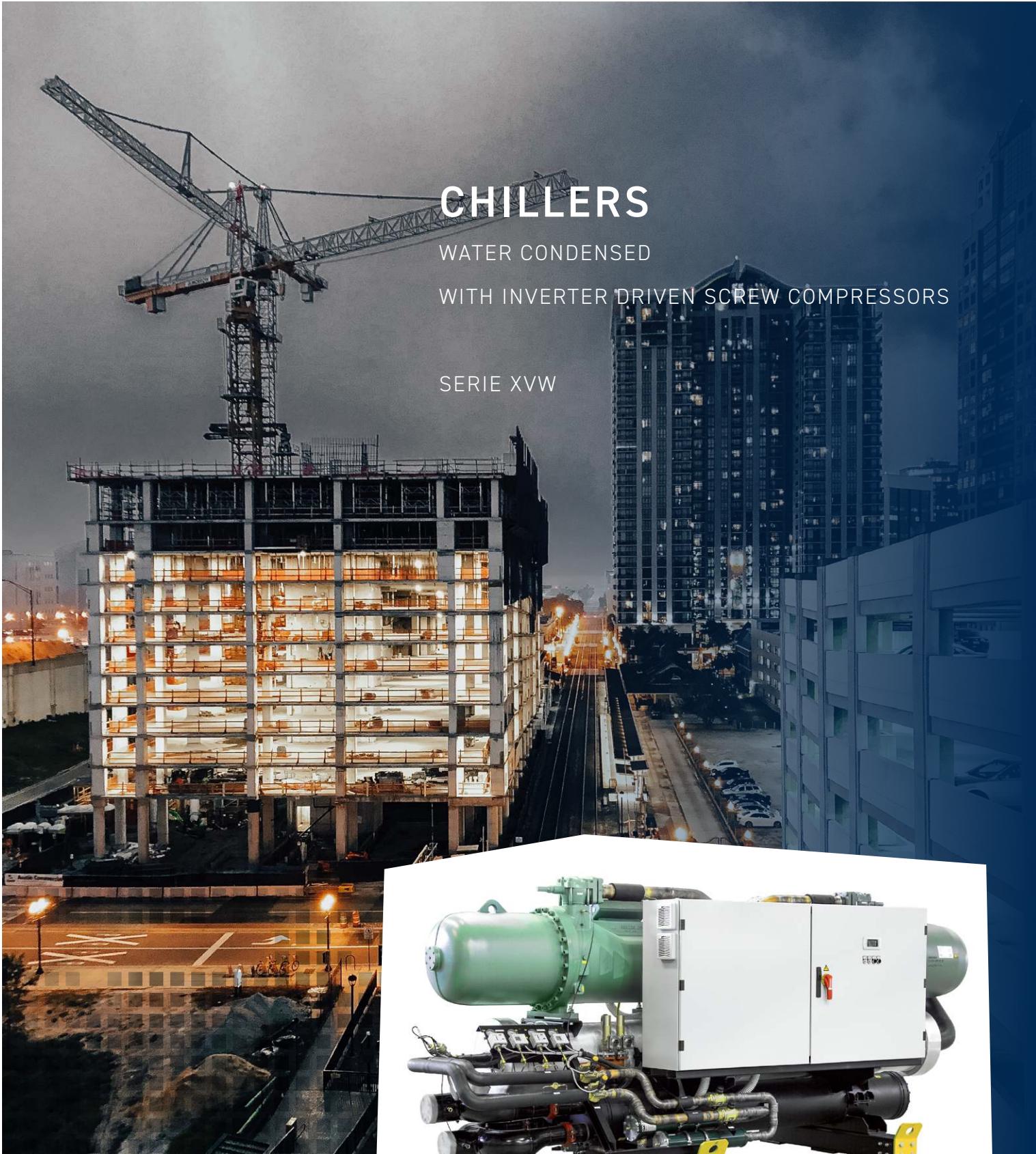


CHILLERS

WATER CONDENSED

WITH INVERTER DRIVEN SCREW COMPRESSORS

SERIE XVW

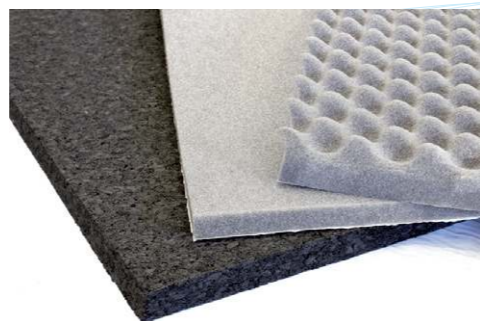


THERMO-TEC[®]
KLIMAGERÄTE

WATER CONDENSED CHILLERS XVW

XVW is the range of water condensed chillers featuring screw compressors and shell and tube heat exchangers. The use of the new refrigerant R1234ze, with extremely low GWP (Global Warming Potential) value, and the achievement of high levels of energy efficiency, especially at partial loads translate into reduced TEWI (Total Equivalent Warming Impact) values of the system.

The wide range of capacities covered by the range and the different versions available meet the most disparate needs, choosing between a cooling-only operation mode with cooling tower or Dry Cooler and a high-temperature heating-only mode.



POWER AND FLEXIBILITY

High cooling capacities and the load modulation by means of the special slide valve are the main features of the screw compressors. On request the modulating version is available, with inverter on both compressors or on a compressor only, for a finer adjustment of the cooling capacity, with obvious energy advantages.

LOW-NOISE VERSION

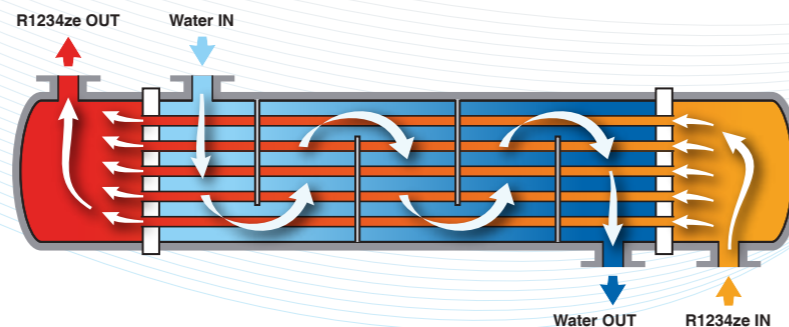
The screw compressors, the only source of noise on the machine, can be placed inside a dedicated compartment fitted with special soundproof material in order to cut down the airbourne noise.

SPEZIFIKATIONEN

- Refrigerant R1234ze
- Also available with refrigerant R134a
- Available in the following versions:
 - Cooling-only (with well water)
 - Cooling-only (with Dry-Cooler or cooling tower)
 - Heating-only heat pump
 - Heating-only heat pump for high temperatures
- Electronically-controlled expansion valve
- Monitoring and limiting of the maximum power input
- Available with inverter driven screw compressors (inverter on both compressors or on one single compressor)
- Heat insulation casings on the compressors for high temperatures heating-only heat pumps (optional)

NEW CONCEPT OF HEAT EXCHANGE

The shell and tube evaporator with single passage achieves excellent thermodynamic efficiency values thanks to the complete countercurrent in the heat exchange.



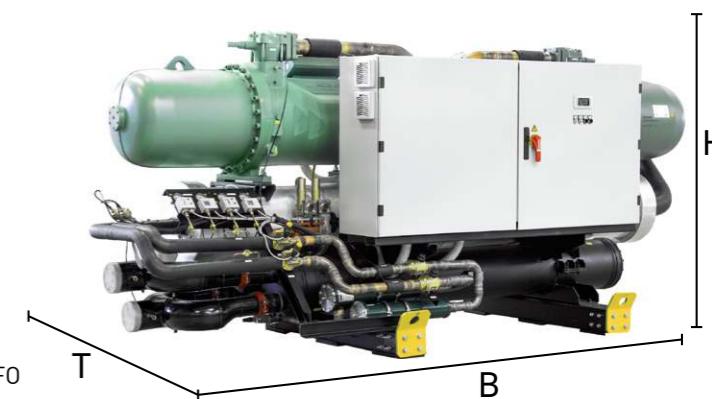
TECHNICAL DATA

Serie XVA		521D	621D	691D	811D	901D	1071D	1201D	1321D	1531D	1641D
Water: 12/7°C - Evaporator; 30/35°C - Condenser											
Cooling capacity	kW	524.0	626.0	701.1	814.6	910.3	1075.2	1212.6	1317.7	1536.5	1659.3
Total power Input	kW	99.3	115.9	132.2	154.3	173.2	203.5	228.6	255.4	294.9	319.0
EER		5.28	5.40	5.30	5.28	5.26	5.28	5.30	5.16	5.21	5.20
Water: 20/14°C - Evaporator; 30/35°C - Condenser											
Cooling capacity	kW	659.7	789.8	885.4	1026.2	1143.9	1352.3	1527.8	1664.1	1940.2	2096.3
Total power Input	kW	101.4	119.6	136.7	159.7	179.4	210.7	237.6	265.7	307.0	332.1
EER		6.51	6.60	6.48	6.42	6.38	6.42	6.43	6.26	6.32	6.31
ESEER		6.05	5.93	5.89	6.14	5.90	6.16	6.16	6.15	6.42	6.16
Sound power	dB(A)	92	95	96	97	98	99	100	101	102	103
Sound power (Low Noise)	dB(A)	87	90	91	92	93	94	95	96	97	98
Dimensions (B x T x H)	mm	4250 x 1500 x 2050				4800 x 1500 x 2250			5400 x 2050 x 2250		

Data declared with the use of refrigerant R134a

REFRIGERANT R1234ze

The range of water condensed chillers XTW uses the new HFO refrigerant with low GWP (GWPR1234ze=6) with a view to Green Technology. (Also available with refrigerant R134a).



GREEN TECHNOLOGY



www.thermo-tec.de

Wir behalten uns das Recht auf Änderungen und Modifikationen vor. Technische Daten und Abmaße sind unverbindlich.

Hauptsitz Rochlitz

Sternstraße 9 – 11
09306 Rochlitz
Telefon (0 37 37) 44 96 -0
Fax (0 37 37) 44 96 -21
E-Mail info@thermo-tec.de

Vertriebszentrale Dresden

Zum Alten Dessauer 13
01723 Kesselsdorf
Telefon (03 52 04) 39 09 -0
Fax (03 52 04) 39 09 -21
E-Mail dresden@thermo-tec.de

Büro Berlin

Prenzlauer Straße 68
16348 Wandlitz
Telefon (0 33 38) 70 02 41
Fax (0 33 38) 70 12 85
E-Mail berlin@thermo-tec.de

Büro Weimar

Erfurter Straße 50
99423 Weimar
Telefon (0 36 43) 4 15 00-0
Fax (0 36 43) 4 15 00-21
E-Mail weimar@thermo-tec.de

WIR BEANTWORTEN IHRE
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Kostenlos per Telefon unter:
(0800) EDVKLIMA
(0800) 33 85 54 62

oder per Mail an:
angebote@thermo-tec.de