RWS (VS) Kp

- Chillers
- Water/Water Cooling only
- EMICON

Water cooled chillers on propane type RWS (VS) Kp

Water-cooled propane chillers for the production of chilled water. The units are equipped with semi-hermetic reciprocating compressors. Inverter compressors on models 521-1001. Suitable for indoor and outdoor installation. Refrigerant R290 (GWP 3) (propane) These units are specially designed for cooling medium to large projects. Tandem technology offers multiple capacity stages and increases efficiency at part load. This also improves performance. Leak detector and ATEX certified fan in compartment with cooling circuit included as standard. If installad indoor in a technical room, this room should be well ventilated area. **Mandatory commissioning by CAIROX.**

Brand

- Emicon

Application

- Outdoor or Indoor water/water chillers suitable for comfort and process cooling applications

Characteristics

- Cooling capacity: 60 to 389 kW

Composition

- Refrigerant gas R290 with a GWP of 3,3
- Semi-hermetic reciprocating compressors
- Power supply 400/3/50
- Microprocessor controller
- Leak detector included as standard
- ATEX certified fan in compartment with cooling circuit

Options

- Partial heat recovery
- No hydraulic kit possible, so no pumps either
- PA Rubber Vibration Dampers
- PM Vibration Dampers with Springs
- A+V Ampere and Voltmeter
- CS Compressor Startup Counter
- MF Phase Sequence Relay
- PQ Remote Control
- RF Improvement of cos phi >0.9
- RL Compressor overload relay
- ATOP ATEX fan on top of the unit instead of sideways
- RA Anti-frost heating around the evaporator

- IWG Interface => SNMP or TCP/IP or BACNET IP or MODBUS IP
- TE Electronic Expansion Valve
- HRV2 Double safety valve on the high pressure side
- PW Part winding (Lower start-up current / Softstart)

Versions

- RWS Kp

Standard version

- RWS VS Kp

Standard version with inverter compressor

Order example

RWS 521 (VS) Kp

Explanation

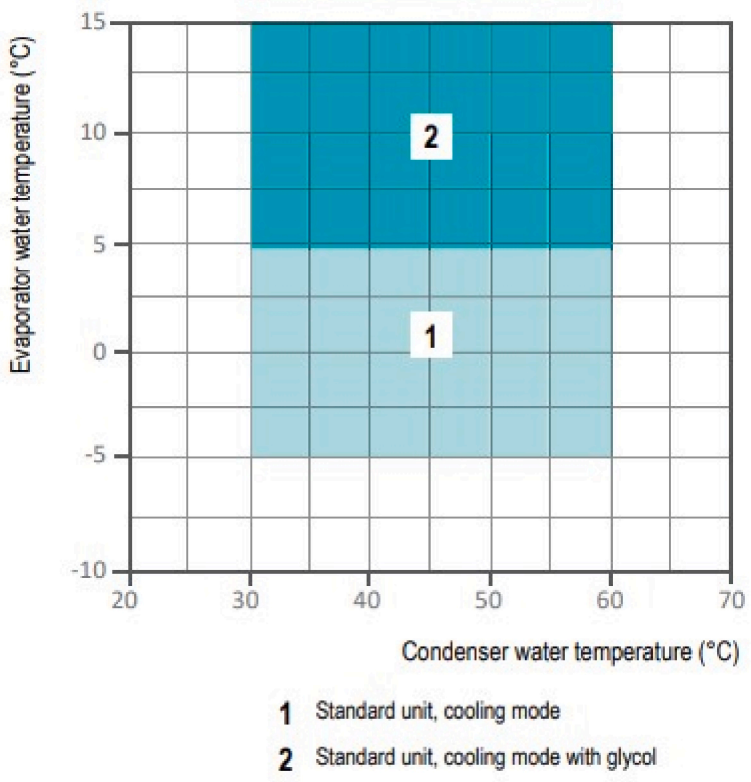
52 = Nominal cooling capacity (KW)
1 = Number of cooling circuits
VS = Inverter on compressor
Kp = Propane Refrigerant

Specifications												
RWS (VS) Kp		**521**	**591**	**721**	**871**	**1001**	**1402**	**1702**	**2102**	**2404**	**2904**	**3404**
Cooling capacity	**kW**	60.3	67.8	81.6	97.5	114	162	194	234	286	326	389
Total power input	**kW**	13.3	15.3	18.4	22.3	27	36.7	43.6	52.8	58.5	71.9	86.7
Refrigerant type (GWP)		R290 (3.3)										
Precharged refrigerant charge	**kg(CO2eq-kg)**	3(0.0099)	3(0.0099)	4.5(0.01485)	4.5(0.01485)	5(0.0165)	8(0.0264)	8.5(0.02805)	11(0.0363)	13(0.0429)	17(0.0561)	17(0.0561)
SEER		5.38	5.25	5.48	5.35	5.25	5.23	5.26	5.12	5.45	5.3	5.25
Water flow	**m³/h**	12.68	14.3	17.25	20.65	24.32	34.21	40.83	49.27	59.25	68.53	81.8
Water pressure drop	**kPa**	25.2	31.3	16.1	22.2	29.9	44.3	39.6	55.5	34.2	28.9	39.6
Sound pressure level	**dB(A)**	47	49	49	54	54	55	57	57	58	58	59
Cooling capacity: Outdoor temperature 35°C - chilled water temperature in/out 7/12°C												
Sound pressure level calculated according to ISO 3744 at 10 m distance from the unit												

Dimensions												
RWS (VS) Kp		**521**	**591**	**721**	**871**	**1001**	**1402**	**1702**	**2102**	**2404**	**2904**	**3404**
L	**[mm]**	1930	1930	1930	1930	1930	3420	3420	3420	5650	5650	5650
W	**[mm]**	1050	1050	1050	1050	1050	1050	1050	1050	1200	1200	1200
H	**[mm]**	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Gewicht/Poids	**[kg]**	716	718	798	876	882	1262	1390	1490	2504	2596	2788

Prices

Detailed selection / quotation available on request



1 Standard unit, cooling mode

2 Standard unit, cooling mode with glycol