

**High efficiency water cooled chiller  
246-4191 kW**

Indoor unit for the production of chilled water featuring centrifugal compressors oil-free, with R134a, electronic regulation valve, shell and tube condenser and shell and tube flooded evaporator.

Base and supporting structure and panels are of galvanized epoxy powder coated steel with increased thickness.

Flexible and reliable unit; it easily adapts itself to different thermal load conditions thanks to the precise thermoregulation together with the use of inverter technology. The compressor is radically innovative: magnetic bearings and digital rotor speed control allow partial load efficiency levels to be reached that were hitherto impossible.

**Controls****W3000TE**

The W3000TE controller offers advanced functions and algorithms.

For the TX-W family, dedicated control logics, named as a whole CX4, have been implemented to take all the advantages of the variable speed centrifugal compressor complete control to maximize the unit performance in all working conditions.

KIPLink - Keyboard In Your Pocket - is the innovative user interface based on WiFi technology that allows one to operate on the unit directly from the smartphone or tablet. Using KIPLink, it is possible to turn the unit on and off, adjust the set-point, plot the main operating variables, monitor in detail the status of the refrigerant circuits, the compressors and display and reset the possible alarms. Secure access to data is guaranteed by three different password levels (user, service, manufacturer).

In the place of or in addition to KIPLink, the touchscreen interface with a 13" colour display is available. The screens have been developed with graphics created exclusively for the TX-W family. Specific screens allow a closer view of all the variables related to the compressors, the heat exchangers and the refrigerant circuit. It is also possible to analyse the monitored and measured variables in graphical form.

The temperature control is characterized by the continuous capacity modulation, based on PID algorithms and related to the leaving water temperature, with adjustment on the neutral areas.

The diagnostics includes a complete alarm management, with the "black box" (via PC) and registration of alarms (via display or PC) for a better analysis of the unit performance.

Supervision is achievable through various options, with proprietary devices or with the integration in third party systems by means of the most common communication protocols (ModBus, BACnet-over-IP, Echelon LonWorks, BACnet MS / TP). Connection with remote touchscreen is available.

The presence of programmable timer allows the creation of an operating profile containing up to 4 days and 10 type bands, with automatic transmission from summer time to winter time.

For systems consisting of multiple units, the management of the resources is possible via optional proprietary devices.

Optionally (VPF package), capacity modulation can be integrated with hydraulic flow modulation, thanks to inverter-driven pumps and to specific resources for the hydraulic circuit.

**Configurations**

- Basic function

**Features****NO COMPROMISE**

Large availability in the combinations of the compressors (up to 6 compressors on the same unit), plus the flexibility in the choice of the heat exchangers can satisfy each specific installation and design requirements: the highest full load efficiency, the best initial investment, an unrivaled seasonal efficiency, an operating range suitable for applications in systems operating at high or low condensation (dry coolers or cooling towers)

**VERY HIGH EFFICIENCY**

Very high efficiency at full and partial load, to top market levels, thanks to adopted technological solutions: large capacity modulation and expanded exchanger, offering minimum running costs of the unit in real working conditions.

**FLEXIBLE COMPOSITION**

Choice between horizontal or diagonal arrangement of the heat exchangers, with dimensions that favor the compact overall dimensions in height or plant, water connections to the evaporator and condenser that can be deployed on the right or left, to fit for all applications

**ADAPTABILITY**

Adaptability at the building's heating request thanks to the continuous capacity regulation, assured by sophisticated control's logic.

**LOW INRUSH CURRENTS**

Reduced breakaway starting currents thanks to the revolutionary centrifugal compressor.

**EXTREMELY SILENT OPERATION**

Extremely silent operation in line with the best on the market, and highly reduced vibrations

**Accessory**

- Integral acoustical enclosure (type base or plus)
- VPF (Variable Primary Flow) system
- Set-up for remote connectivity with ModBus/Echelon protocol cards
- Several devices for condensation's control
- Fast restart
- filters kit for conformity to EN 61000-6-3 (residential ambients)





COOLING

CENTRIFUGAL

ENERGY CLASS

R HFC R-134a

FL FLOODED

TX-W			1A00	1B00	1B1A	1B2A	1B3A	1C00	1C1A	1C1B	1C3B
Power 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	400/3/50	400/3/50
<b>PERFORMANCE</b>											
<b>COOLING ONLY (GROSS VALUE)</b>											
Cooling capacity range	(1)	kW	246+357	346+494	587+850	829+1201	1096+1566	401+572	649+927	744+1063	1438+2054
EER (up to)	(1)	kW/kW	6,22	6,31	6,25	6,08	6,26	6,45	6,34	6,36	6,38
ESEER (up to)	(1)	kW/kW	9,80	9,42	9,99	9,57	9,84	9,92	9,97	9,96	9,84
<b>COOLING ONLY (EN14511 VALUE)</b>											
Cooling capacity	(1)(2)	kW	246	367	586	827	1157	464	649	746	2045
EER	(1)(2)	kW/kW	6,06	6,06	6,07	5,94	6,02	6,14	6,16	6,18	5,36
ESEER	(1)(2)	kW/kW	8,85	8,46	8,88	8,68	8,67	8,84	8,86	8,84	-
Cooling energy class			A	A	A	A	A	A	A	A	-
<b>ENERGY EFFICIENCY</b>											
<b>SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)</b>											
<b>Ambient refrigeration</b>											
Prated,c	(8)	kW	246	367	586	827	1157	464	649	746	-
SEER	(8)(9)		8,99	8,70	8,91	8,89	8,79	9,07	8,99	8,92	-
Performance ηs	(8)(10)	%	352	340	348	348	343	355	352	349	-
<b>EXCHANGERS</b>											
<b>HEAT EXCHANGER USER SIDE IN REFRIGERATION</b>											
Water flow	(1)	l/s	17,05	23,64	40,65	57,45	74,90	27,36	44,33	50,85	98,24
Pressure drop	(1)	kPa	40,2	40,0	54,6	45,3	64,0	37,3	53,2	53,3	75,0
<b>HEAT EXCHANGER SOURCE SIDE IN REFRIGERATION</b>											
Water flow	(1)	l/s	20,25	27,86	48,12	68,38	88,63	32,02	52,19	59,73	115,33
Pressure drop	(1)	kPa	39,0	38,9	45,9	43,6	50,9	37,2	43,8	43,0	50,0
<b>REFRIGERANT CIRCUIT</b>											
Compressors nr.		N°	1	1	2	3	4	1	2	2	4
No. Circuits		N°	1	1	1	1	1	1	1	1	1
Refrigerant charge		kg	160	175	315	580	690	185	330	340	940
<b>NOISE LEVEL</b>											
Sound Pressure	(3)	dB(A)	75	76	76	78	78	77	77	77	79
Sound power level in cooling	(4)(5)	dB(A)	93	94	95	97	98	95	96	96	99
<b>SIZE AND WEIGHT</b>											
A	(6)(7)	mm	2910	2910	3050	3710	4690	2910	3050	3050	4720
B	(6)(7)	mm	1000	1000	1620	1710	1890	1000	1620	1620	1890
H	(6)(7)	mm	1950	1950	2190	2260	2400	1950	2190	2190	2400
Operating weight	(6)(7)	kg	2690	2800	5200	7590	9320	2880	5280	5410	11010

Notes:

1 Plant (side) cooling exchanger water (in/out) 12°C/7°C; Source (side) heat exchanger water (in/out) 30°C/35°C.

2 Values in compliance with EN14511-3:2013.

3 Average sound pressure level at 1m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.

4 Sound power on the basis of measurements made in compliance with ISO 9614.

5 Sound power level in cooling, indoors.

6 Unit in standard configuration/execution, without optional accessories.

7 Lay-out with diagonal exchangers in units with 1, 2, 3 and 4 compressors; lay-out with horizontal exchangers in units with 5 and 6 compressors.

8 Seasonal energy efficiency of the cooling environment [REGULATION (EU) N. 2016/2281]

9 Seasonal space heating energy index

10 Seasonal energy efficiency of the space cooling

The units highlighted in this publication contain HFC R134a [GWP<sub>100</sub> 1430] fluorinated greenhouse gases.

TX-W			1D00	1D1A	1D1B	1D1C	1D2C	1D3C	1D4C	1D5C	2A00
Power 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	400/3/50	400/3/50
<b>PERFORMANCE</b>											
<b>COOLING ONLY (GROSS VALUE)</b>											
Cooling capacity range	(1)	kW	596+744	758+1098	852+1235	1052+1315	1274+1901	1980+2475	2461+3076	2942+3677	499+713
EER (up to)	(1)	kW/kW	6,27	6,23	6,25	6,34	6,43	6,37	6,48	6,56	6,16
ESEER (up to)	(1)	kW/kW	9,59	9,88	9,91	10,20	10,20	10,10	10,30	10,40	10,00
<b>COOLING ONLY (EN14511 VALUE)</b>											
Cooling capacity	(1)(2)	kW	667	758	864	1077	1285	2463	3060	3659	526
EER	(1)(2)	kW/kW	5,97	5,97	6,04	6,04	6,20	5,57	5,60	5,67	5,94
ESEER	(1)(2)	kW/kW	8,12	8,57	8,71	8,70	8,94	-	-	-	8,87
Cooling energy class			A	A	A	A	A	-	-	-	A
<b>ENERGY EFFICIENCY</b>											
<b>SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)</b>											
<b>Ambient refrigeration</b>											
Prated,c	(8)	kW	667	758	864	1077	1285	-	-	-	526
SEER	(8)(9)		8,31	8,76	8,73	8,65	9,10	-	-	-	8,90
Performance ηs	(8)(10)	%	324	343	341	338	356	-	-	-	348
<b>EXCHANGERS</b>											
<b>HEAT EXCHANGER USER SIDE IN REFRIGERATION</b>											
Water flow	(1)	l/s	35,60	52,50	59,08	62,90	90,92	118,35	147,10	175,86	34,12
Pressure drop	(1)	kPa	49,3	61,8	63,3	61,5	67,5	79,9	92,5	84,2	44,5
<b>HEAT EXCHANGER SOURCE SIDE IN REFRIGERATION</b>											
Water flow	(1)	l/s	41,31	61,42	69,05	73,35	106,01	138,13	171,36	204,55	40,55
Pressure drop	(1)	kPa	48,7	51,3	51,3	49,5	56,8	51,9	60,9	70,5	47,9
<b>REFRIGERANT CIRCUIT</b>											
Compressors nr.		N°	1	2	2	2	3	4	5	6	2
No. Circuits		N°	1	1	1	1	1	1	1	1	1
Refrigerant charge		kg	190	340	350	360	685	975	1205	1510	230
<b>NOISE LEVEL</b>											
Sound Pressure	(3)	dB(A)	78	78	78	78	79	79	79	80	76
Sound power level in cooling	(4)(5)	dB(A)	96	97	97	97	99	99	100	101	95
<b>SIZE AND WEIGHT</b>											
A	(6)(7)	mm	2910	3050	3050	3050	4690	4720	5700	6610	2910
B	(6)(7)	mm	1000	1620	1620	1620	1660	1890	2350	2400	1560
H	(6)(7)	mm	1950	2190	2190	2190	2260	2400	2400	2450	2190
Operating weight	(6)(7)	kg	2950	5350	5340	5420	8810	11410	15330	20580	4070

Notes:

1 Plant (side) cooling exchanger water (in/out) 12°C/7°C; Source (side) heat exchanger water (in/out) 30°C/35°C.

2 Values in compliance with EN14511-3:2013.

3 Average sound pressure level at 1m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.

4 Sound power on the basis of measurements made in compliance with ISO 9614.

5 Sound power level in cooling, indoors.

6 Unit in standard configuration/execution, without optional accessories.

7 Lay-out with diagonal exchangers in units with 1, 2, 3 and 4 compressors; lay-out with horizontal exchangers in units with 5 and 6 compressors.

8 Seasonal energy efficiency of the cooling environment [REGULATION (EU) N. 2016/2281]

9 Seasonal space heating energy index

10 Seasonal energy efficiency of the space cooling

The units highlighted in this publication contain HFC R134a [GWP<sub>100</sub> 1430] fluorinated greenhouse gases.

TX-W			2B00	2B1A	2B2A	2B3A	2C00	2C1A	2C1B	2D00	2D1B
Power 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	400/3/50	400/3/50
<b>PERFORMANCE</b>											
<b>COOLING ONLY (GROSS VALUE)</b>											
Cooling capacity range	(1)	kW	681+987	938+1341	938+1702	1444+2063	799+1141	1054+1506	1150+1642	995+1485	1451+1988
EER (up to)	(1)	kW/kW	6,29	6,10	6,30	6,33	6,42	6,44	6,46	6,22	6,35
ESEER (up to)	(1)	kW/kW	9,95	9,48	9,82	9,91	10,30	10,00	10,00	10,20	10,00
<b>COOLING ONLY (EN14511 VALUE)</b>											
Cooling capacity	(1)(2)	kW	685	987	1257	2052	925	1135	1237	993	1464
EER	(1)(2)	kW/kW	6,10	5,90	6,03	5,16	6,09	6,18	6,20	5,89	6,09
ESEER	(1)(2)	kW/kW	8,75	8,61	8,54	-	8,93	8,69	8,78	8,85	8,50
Cooling energy class			A	A	A	-	A	A	A	A	A
<b>ENERGY EFFICIENCY</b>											
<b>SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)</b>											
<b>Ambient refrigeration</b>											
Prated,c	(8)	kW	685	987	1257	-	925	1135	1237	993	1464
SEER	(8)(9)		8,86	8,80	8,63	-	8,92	8,83	8,86	8,92	8,59
Performance ηs	(8)(10)	%	346	344	337	-	349	345	346	349	335
<b>EXCHANGERS</b>											
<b>HEAT EXCHANGER USER SIDE IN REFRIGERATION</b>											
Water flow	(1)	l/s	47,20	64,12	81,39	98,67	54,56	72,00	78,54	71,00	95,06
Pressure drop	(1)	kPa	54,6	43,2	75,5	92,1	52,1	63,2	62,4	67,9	77,3
<b>HEAT EXCHANGER SOURCE SIDE IN REFRIGERATION</b>											
Water flow	(1)	l/s	55,69	76,13	96,10	116,35	63,90	84,44	91,96	82,48	110,61
Pressure drop	(1)	kPa	44,6	42,1	51,5	59,6	41,8	50,8	49,3	56,4	61,8
<b>REFRIGERANT CIRCUIT</b>											
Compressors nr.		N°	2	3	4	5	2	3	3	2	3
No. Circuits		N°	1	1	1	1	1	1	1	1	1
Refrigerant charge		kg	330	610	900	1090	350	650	670	370	685
<b>NOISE LEVEL</b>											
Sound Pressure	(3)	dB(A)	77	78	78	78	78	78	78	79	79
Sound power level in cooling	(4)(5)	dB(A)	96	97	98	99	97	98	98	98	99
<b>SIZE AND WEIGHT</b>											
A	(6)(7)	mm	3050	3710	4720	5700	3050	4690	4690	3050	4690
B	(6)(7)	mm	1620	1710	1890	2350	1620	1660	1660	1620	1660
H	(6)(7)	mm	2190	2260	2400	2400	2190	2260	2260	2190	2260
Operating weight	(6)(7)	kg	5340	7750	10610	13850	5330	8470	8700	5310	8810

Notes:

1 Plant (side) cooling exchanger water (in/out) 12°C/7°C; Source (side) heat exchanger water (in/out) 30°C/35°C.

2 Values in compliance with EN14511-3:2013.

3 Average sound pressure level at 1m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.

4 Sound power on the basis of measurements made in compliance with ISO 9614.

5 Sound power level in cooling, indoors.

6 Unit in standard configuration/execution, without optional accessories.

7 Lay-out with diagonal exchangers in units with 1, 2, 3 and 4 compressors; lay-out with horizontal exchangers in units with 5 and 6 compressors.

8 Seasonal energy efficiency of the cooling environment [REGULATION (EU) N. 2016/2281]

9 Seasonal space heating energy index

10 Seasonal energy efficiency of the space cooling

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TX-W		2D1C	2D2B	2D2C	2D3C	2D4C	3A00	3B00	3B1A	3B2A	
Power 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	400/3/50	
<b>PERFORMANCE</b>											
<b>COOLING ONLY (GROSS VALUE)</b>											
Cooling capacity range	(1)	kW	1656+2070	1984+2479	2117+2646	2599+3249	3081+3852	733+1062	1036+1480	1288+1839	1540+2200
EER (up to)	(1)	kW/kW	6,37	6,33	6,39	6,49	6,58	6,06	6,13	6,32	6,36
ESEER (up to)	(1)	kW/kW	10,00	9,91	10,10	10,30	10,40	9,67	9,63	9,78	9,91
<b>COOLING ONLY (EN14511 VALUE)</b>											
Cooling capacity	(1)(2)	kW	2060	2203	2633	3231	3833	732	1091	1359	2188
EER	(1)(2)	kW/kW	5,71	5,95	5,66	5,67	5,74	5,91	5,92	6,06	5,22
ESEER	(1)(2)	kW/kW	-	-	-	-	-	8,77	8,70	8,53	-
Cooling energy class			-	-	-	-	-	A	A	A	-
<b>ENERGY EFFICIENCY</b>											
<b>SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)</b>											
<b>Ambient refrigeration</b>											
Prated,c	(8)	kW	-	-	-	-	-	732	1091	1359	-
SEER	(8)(9)		-	-	-	-	-	8,93	8,82	8,64	-
Performance ηs	(8)(10)	%	-	-	-	-	-	349	345	338	-
<b>EXCHANGERS</b>											
<b>HEAT EXCHANGER USER SIDE IN REFRIGERATION</b>											
Water flow	(1)	l/s	98,99	118,57	126,54	155,39	184,20	50,81	70,76	87,96	105,23
Pressure drop	(1)	kPa	76,2	83,8	83,0	97,0	87,9	45,2	43,5	74,2	90,4
<b>HEAT EXCHANGER SOURCE SIDE IN REFRIGERATION</b>											
Water flow	(1)	l/s	115,07	138,28	147,30	180,64	213,84	60,62	83,88	103,71	123,88
Pressure drop	(1)	kPa	60,1	57,0	53,4	63,4	71,1	43,3	42,9	50,2	59,7
<b>REFRIGERANT CIRCUIT</b>											
Compressors nr.		N°	3	4	4	5	6	3	3	4	5
No. Circuits		N°	1	1	1	1	1	1	1	1	1
Refrigerant charge		kg	685	975	995	1220	1520	565	625	910	1105
<b>NOISE LEVEL</b>											
Sound Pressure	(3)	dB(A)	79	79	80	79	80	77	78	78	78
Sound power level in cooling	(4)(5)	dB(A)	99	99	100	100	101	96	97	98	99
<b>SIZE AND WEIGHT</b>											
A	(6)(7)	mm	4690	4720	4720	5700	6610	3710	3710	4720	5700
B	(6)(7)	mm	1660	1890	1890	2350	2400	1710	1710	1890	2350
H	(6)(7)	mm	2260	2400	2400	2400	2450	2260	2260	2400	2400
Operating weight	(6)(7)	kg	8880	11250	11450	15420	20750	7440	7370	10740	14050

Notes:

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TX-W			3B3A	3C00	3C1A	3C1B	3C2B	3D00	3D1A	3D1C	3D2C
Power 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	400/3/50	400/3/50
<b>PERFORMANCE</b>											
<b>COOLING ONLY (GROSS VALUE)</b>											
Cooling capacity range	(1)	kW	1793+2562	1205+1721	1453+2076	1550+2214	1907+2724	1792+2240	2076+2594	2254+2817	2738+3423
EER (up to)	(1)	kW/kW	6,42	6,49	6,45	6,47	6,54	6,33	6,32	6,37	6,49
ESEER (up to)	(1)	kW/kW	10,10	10,20	9,99	9,98	10,10	10,20	9,96	10,10	10,30
<b>COOLING ONLY (EN14511 VALUE)</b>											
Cooling capacity	(1)(2)	kW	2549	1310	2067	2204	2711	2229	2580	2803	3404
EER	(1)(2)	kW/kW	5,28	6,23	5,42	5,48	5,49	5,80	5,67	5,74	5,73
ESEER	(1)(2)	kW/kW	-	8,90	-	-	-	-	-	-	-
Cooling energy class			-	A	-	-	-	-	-	-	-
<b>ENERGY EFFICIENCY</b>											
<b>SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)</b>											
<b>Ambient refrigeration</b>											
Prated,c	(8)	kW	-	1310	-	-	-	-	-	-	-
SEER	(8)(9)		-	8,98	-	-	-	-	-	-	-
Performance ηs	(8)(10)	%	-	351	-	-	-	-	-	-	-
<b>EXCHANGERS</b>											
<b>HEAT EXCHANGER USER SIDE IN REFRIGERATION</b>											
Water flow	(1)	l/s	122,50	82,30	99,27	105,86	130,28	107,14	124,07	134,72	163,68
Pressure drop	(1)	kPa	83,6	61,4	72,8	72,6	83,6	80,3	91,8	87,0	101
<b>HEAT EXCHANGER SOURCE SIDE IN REFRIGERATION</b>											
Water flow	(1)	l/s	143,97	96,22	116,35	123,90	152,27	124,21	144,30	156,47	189,93
Pressure drop	(1)	kPa	67,2	50,4	49,1	47,7	60,1	66,0	59,4	57,1	70,1
<b>REFRIGERANT CIRCUIT</b>											
Compressors nr.		N°	6	3	4	4	5	3	4	4	5
No. Circuits		N°	1	1	1	1	1	1	1	1	1
Refrigerant charge		kg	1390	670	940	965	1180	705	975	1015	1230
<b>NOISE LEVEL</b>											
Sound Pressure	(3)	dB(A)	79	78	79	79	79	79	80	80	80
Sound power level in cooling	(4)(5)	dB(A)	100	98	99	99	100	99	100	100	101
<b>SIZE AND WEIGHT</b>											
A	(6)(7)	mm	6610	4690	4720	4720	5700	4690	4720	4720	5700
B	(6)(7)	mm	2400	1660	1890	1890	2350	1660	1890	1890	2350
H	(6)(7)	mm	2450	2260	2400	2400	2400	2260	2400	2400	2400
Operating weight	(6)(7)	kg	18670	8700	11010	11210	14910	9010	11250	11580	15500

Notes:

1 Plant (side) cooling exchanger water (in/out) 12°C/7°C; Source (side) heat exchanger water (in/out) 30°C/35°C.

2 Values in compliance with EN14511-3:2013.

3 Average sound pressure level at 1m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.

4 Sound power on the basis of measurements made in compliance with ISO 9614.

5 Sound power level in cooling, indoors.

6 Unit in standard configuration/execution, without optional accessories.

7 Lay-out with diagonal exchangers in units with 1, 2, 3 and 4 compressors; lay-out with horizontal exchangers in units with 5 and 6 compressors.

8 Seasonal energy efficiency of the cooling environment [REGULATION (EU) N. 2016/2281]

9 Seasonal space heating energy index

10 Seasonal energy efficiency of the space cooling

The units highlighted in this publication contain HFC R134a [GWP<sub>100</sub> 1430] fluorinated greenhouse gases.

TX-W		3D3C	4B00	4B1A	4B2A	4C00	4C1B	4D00	4D1C	4D2C	
Power 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	400/3/50	
<b>PERFORMANCE</b>											
<b>COOLING ONLY (GROSS VALUE)</b>											
Cooling capacity range	(1)	kW	3221+4026	1384+1978	1636+2337	1890+2700	1605+2294	1964+2806	2388+2985	2877+3596	3360+4200
EER (up to)	(1)	kW/kW	6,59	6,35	6,39	6,45	6,50	6,56	6,32	6,48	6,60
ESEER (up to)	(1)	kW/kW	10,40	9,85	9,92	10,10	10,10	10,10	10,10	10,30	10,40
<b>COOLING ONLY (EN14511 VALUE)</b>											
Cooling capacity	(1)(2)	kW	4006	1462	2325	2687	2284	2792	2969	3575	4178
EER	(1)(2)	kW/kW	5,81	6,09	5,28	5,34	5,52	5,52	5,78	5,81	5,86
ESEER	(1)(2)	kW/kW	-	8,60	-	-	-	-	-	-	-
Cooling energy class			-	A	-	-	-	-	-	-	-
<b>ENERGY EFFICIENCY</b>											
<b>SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)</b>											
<b>Ambient refrigeration</b>											
Prated,c	(8)	kW	-	1462	-	-	-	-	-	-	-
SEER	(8)(9)		-	8,68	-	-	-	-	-	-	-
Performance ηs	(8)(10)	%	-	339	-	-	-	-	-	-	-
<b>EXCHANGERS</b>											
<b>HEAT EXCHANGER USER SIDE IN REFRIGERATION</b>											
Water flow	(1)	l/s	192,54	94,58	111,77	129,13	109,68	134,20	142,74	171,96	200,86
Pressure drop	(1)	kPa	91,3	73,0	87,4	84,3	71,7	86,4	95,1	107	94,1
<b>HEAT EXCHANGER SOURCE SIDE IN REFRIGERATION</b>											
Water flow	(1)	l/s	223,13	111,34	131,38	151,51	128,23	156,71	165,52	199,16	232,41
Pressure drop	(1)	kPa	71,0	49,8	58,2	68,4	49,0	60,5	63,9	66,8	77,0
<b>REFRIGERANT CIRCUIT</b>											
Compressors nr.		N°	6	4	5	6	4	5	4	5	6
No. Circuits		N°	1	1	1	1	1	1	1	1	1
Refrigerant charge		kg	1540	940	1125	1405	975	1185	1015	1235	1550
<b>NOISE LEVEL</b>											
Sound Pressure	(3)	dB(A)	80	78	78	79	79	79	80	80	80
Sound power level in cooling	(4)(5)	dB(A)	101	98	99	100	99	100	100	101	101
<b>SIZE AND WEIGHT</b>											
A	(6)(7)	mm	6610	4720	5700	6610	4720	5700	4720	5700	6610
B	(6)(7)	mm	2400	1890	2350	2400	1890	2350	1890	2350	2400
H	(6)(7)	mm	2450	2400	2400	2450	2400	2400	2400	2400	2450
Operating weight	(6)(7)	kg	21010	10920	14300	18880	11250	15000	11580	15730	21180

Notes:

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3 Average sound pressure level at 1m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.

4 Sound power on the basis of measurements made in compliance with ISO 9614.

5 Sound power level in cooling, indoors.

6 Unit in standard configuration/execution, without optional accessories.

7 Lay-out with diagonal exchangers in units with 1, 2, 3 and 4 compressors; lay-out with horizontal exchangers in units with 5 and 6 compressors.

8 Seasonal energy efficiency of the cooling environment [REGULATION (EU) N. 2016/2281]

9 Seasonal space heating energy index

10 Seasonal energy efficiency of the space cooling

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TX-W			5B00	5B1A	5C00	5C1B	5D00	5D1C	6B00	6C00	6D00
Power 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	400/3/50	400/3/50
<b>PERFORMANCE</b>											
<b>COOLING ONLY (GROSS VALUE)</b>											
Cooling capacity range	(1)	kW	1732+2474	1986+2837	2021+2888	2381+3401	3016+3770	3500+4374	2082+2974	2440+3486	3639+4549
EER (up to)	(1)	kW/kW	6,42	6,47	6,60	6,64	6,46	6,59	6,49	6,66	6,57
ESEER (up to)	(1)	kW/kW	9,94	10,00	10,30	10,30	10,30	10,40	10,00	10,40	10,50
<b>COOLING ONLY (EN14511 VALUE)</b>											
Cooling capacity	(1)(2)	kW	2461	2823	2873	3385	3747	4351	2960	3470	4525
EER	(1)(2)	kW/kW	5,33	5,38	5,57	5,61	5,86	5,92	5,42	5,64	5,97
ESEER	(1)(2)	kW/kW	-	-	-	-	-	-	-	-	-
Cooling energy class			-	-	-	-	-	-	-	-	-
<b>ENERGY EFFICIENCY</b>											
<b>SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)</b>											
<b>Ambient refrigeration</b>											
Prated,c	(8)	kW	-	-	-	-	-	-	-	-	-
SEER	(8)(9)		-	-	-	-	-	-	-	-	-
Performance ηs	(8)(10)	%	-	-	-	-	-	-	-	-	-
<b>EXCHANGERS</b>											
<b>HEAT EXCHANGER USER SIDE IN REFRIGERATION</b>											
Water flow	(1)	l/s	118,31	135,67	138,09	162,63	180,26	209,19	142,22	166,69	217,53
Pressure drop	(1)	kPa	87,1	83,5	86,5	82,3	109	96,4	83,9	82,8	98,1
<b>HEAT EXCHANGER SOURCE SIDE IN REFRIGERATION</b>											
Water flow	(1)	l/s	138,89	158,99	161,10	189,49	208,44	241,69	166,49	194,09	250,97
Pressure drop	(1)	kPa	57,5	68,8	57,2	65,2	73,2	75,7	68,3	63,5	81,6
<b>REFRIGERANT CIRCUIT</b>											
Compressors nr.		N°	5	6	5	6	5	6	6	6	6
No. Circuits		N°	1	1	1	1	1	1	1	1	1
Refrigerant charge		kg	1145	1425	1195	1490	1250	1560	1440	1500	1575
<b>NOISE LEVEL</b>											
Sound Pressure	(3)	dB(A)	78	79	79	80	80	81	79	80	81
Sound power level in cooling	(4)(5)	dB(A)	99	100	100	101	101	102	100	101	102
<b>SIZE AND WEIGHT</b>											
A	(6)(7)	mm	5700	6610	5700	6610	5700	6610	6610	6610	6610
B	(6)(7)	mm	2350	2400	2350	2400	2350	2400	2400	2400	2400
H	(6)(7)	mm	2400	2450	2400	2450	2400	2450	2450	2450	2450
Operating weight	(6)(7)	kg	14550	19150	15180	20240	15890	21350	19400	20410	21560

Notes:

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