



**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.**

## Control



### W3000TE

For the TX-W family, dedicated control logics, named CX4, have been implemented to take full advantage from the variable speed centrifugal compressor, thus maximizing the unit performance in all working conditions.

The control is available through the innovative user interface KIPLink, which 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 components and reset the alarms. Secure access to data is guaranteed by three password levels (user, service, manufacturer).

The continuous capacity modulation is based on the PID algorithms and related to the leaving water temperature, with adjustment on the neutral areas. Complete alarm management system is available, with the "black-box" and the alarm history display functions. 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.

A programmable timer allows the creation of an operating profile 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.

## Refrigerant



## 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

### AHRI CERTIFICATION

Certified in accordance with the AHRI Water-Cooled Water-Chilling and Heat Pump Water-Heating Packages Certification Program, which is based on AHRI Standard 550/590 (I-P). Certified units may be found in the AHRI Directory at [www.ahridirectory.org](http://www.ahridirectory.org)

## Accessories

- 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
- filters kit for conformity to EN 61000-6-3 (residential ambients)

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	(1)	kW	246,1-356,6	346,0-494,3	586,6-850,1	828,9-1201	1096-1566	400,6-572,2	648,9-927,0	744,4-1063	1438-2054
EER	(1)	kW/kW	6,250	6,310	6,250	6,080	6,260	6,460	6,340	6,360	6,380
ESEER (up to)	(1)	kW/kW									
<b>COOLING ONLY (EN14511 VALUE)</b>											
Cooling capacity	(1)(2)	kW	246,1	366,9	586,0	827,1	1157	464,0	649,0	746,0	1723
EER	(1)(2)	kW/kW	6,060	6,060	6,070	5,940	6,020	6,140	6,160	6,180	5,970
ESEER	(1)(2)	kW/kW	8,850	8,460	8,880	8,680	8,670	8,840	8,860	8,840	8,430
Cooling energy class			A	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	1723
SEER	(8)(9)		8,99	8,70	8,91	8,89	8,79	9,07	8,99	8,92	8,42
Performance ηs	(8)(10)	%	352	340	348	348	343	355	352	349	329
<b>EXCHANGERS</b>											
<b>HEAT EXCHANGER USER SIDE IN REFRIGERATION</b>											
Water flow	(1)	l/s	11,80	17,59	28,09	39,62	55,47	22,24	31,10	35,75	82,69
Pressure drop	(1)	kPa	19,2	22,1	26,1	21,6	35,1	24,6	26,2	26,3	53,2
<b>HEAT EXCHANGER SOURCE SIDE IN REFRIGERATION</b>											
Water flow	(1)	l/s	13,66	20,35	32,51	46,03	64,24	25,69	35,93	41,29	95,77
Pressure drop	(1)	kPa	17,7	20,8	21,0	19,8	26,7	24,0	20,8	20,5	34,5
<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	215	220	390	495	747	262	436	416	1078
<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 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 Parameter calculated according to [REGULATION (EU) N. 2016/2281]  
9 Seasonal energy efficiency ratio  
10 Seasonal space cooling energy efficiency

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

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	(1)	kW	595,5-744,4	757,5-1098	852,5-1235	1052-1315	1274-1901	1980-2475	2461-3076	2942-3677	499,4-713,5
EER	(1)	kW/kW	6,220	6,160	6,240	6,300	6,390	6,370	6,480	6,560	6,160
ESEER (up to)	(1)	kW/kW									
<b>COOLING ONLY (EN14511 VALUE)</b>											
Cooling capacity	(1)(2)	kW	667,1	758,0	864,0	1077	1285	2160	2659	3153	526,0
EER	(1)(2)	kW/kW	5,970	5,970	6,040	6,040	6,200	6,010	6,090	6,190	5,940
ESEER	(1)(2)	kW/kW	8,120	8,570	8,710	8,700	8,940	8,470	8,470	8,580	8,870
Cooling energy class			A	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	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	32,00	36,34	41,42	51,66	61,59	103,7	127,7	151,4	25,21
Pressure drop	(1)	kPa	39,8	29,6	31,1	41,5	31,0	61,3	69,7	62,3	24,3
<b>HEAT EXCHANGER SOURCE SIDE IN REFRIGERATION</b>											
Water flow	(1)	l/s	37,05	42,14	47,96	59,75	71,08	119,9	147,3	174,3	29,25
Pressure drop	(1)	kPa	39,1	24,2	24,7	32,9	25,5	39,1	45,0	51,2	24,9
<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	253	422	400	450	814	1017	1319	1696	273
<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**

- Plant (side) cooling exchanger water (in/out) 12°C/7°C; Source (side) heat exchanger water (in/out) 30°C/35°C.
- Values in compliance with EN14511
- 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.
- Sound power on the basis of measurements made in compliance with ISO 9614.
- Sound power level in cooling, indoors.
- Unit in standard configuration/execution, without optional accessories.
- 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.
- Parameter calculated according to [REGULATION (EU) N. 2016/2281]
- Seasonal energy efficiency ratio
- Seasonal space cooling energy efficiency

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

Certified data in EUROVENT

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	(1)	kW	681,1-987,1	938,5-1341	1191-1702	1444-2063	798,7-1141	1054-1506	1150-1642	994,7-1485	1451-1988
EER	(1)	kW/kW	6,290	6,100	6,300	6,330	6,430	6,440	6,460	6,060	6,330
ESEER (up to)	(1)	kW/kW									
<b>COOLING ONLY (EN14511 VALUE)</b>											
Cooling capacity	(1)(2)	kW	685,1	987,1	1257	1685	925,1	1135	1237	993,1	1464
EER	(1)(2)	kW/kW	6,100	5,900	6,030	5,900	6,090	6,180	6,200	5,890	6,090
ESEER	(1)(2)	kW/kW	8,750	8,610	8,540	8,290	8,930	8,690	8,780	8,850	8,500
Cooling energy class			A	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	1685	925	1135	1237	993	1464
SEER	(8)(9)		8,86	8,80	8,63	8,24	8,92	8,83	8,86	8,92	8,59
Performance ηs	(8)(10)	%	346	344	337	321	349	345	346	349	335
<b>EXCHANGERS</b>											
<b>HEAT EXCHANGER USER SIDE IN REFRIGERATION</b>											
Water flow	(1)	l/s	32,83	47,29	60,29	80,94	44,35	54,42	59,31	47,60	70,22
Pressure drop	(1)	kPa	26,4	23,5	41,5	62,0	34,4	36,1	35,6	30,5	42,2
<b>HEAT EXCHANGER SOURCE SIDE IN REFRIGERATION</b>											
Water flow	(1)	l/s	37,98	54,97	69,78	93,81	51,28	62,81	68,41	55,31	81,14
Pressure drop	(1)	kPa	20,8	21,9	27,1	38,8	26,9	28,1	27,3	25,4	33,3
<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	433	640	1015	1303	411	751	795	429	814
<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**

- Plant (side) cooling exchanger water (in/out) 12°C/7°C; Source (side) heat exchanger water (in/out) 30°C/35°C.
- Values in compliance with EN14511
- 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.
- Sound power on the basis of measurements made in compliance with ISO 9614.
- Sound power level in cooling, indoors.
- Unit in standard configuration/execution, without optional accessories.
- 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.
- Parameter calculated according to [REGULATION (EU) N. 2016/2281]
- Seasonal energy efficiency ratio
- Seasonal space cooling energy efficiency

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 Certified data in EUROVENT

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	(1)	kW	1656-2070	1984-2479	2117-2646	2599-3249	3081-3852	733,1-1062	1036-1480	1288-1839	1540-2200
EER	(1)	kW/kW	6,370	6,330	6,390	6,490	6,580	6,060	6,130	6,320	6,360
ESEER (up to)	(1)	kW/kW									
<b>COOLING ONLY (EN14511 VALUE)</b>											
Cooling capacity	(1)(2)	kW	1870	2203	2360	2856	3350	732,1	1091	1359	1812
EER	(1)(2)	kW/kW	5,990	5,950	6,000	6,080	6,190	5,910	5,920	6,060	5,930
ESEER	(1)(2)	kW/kW	8,320	8,230	8,370	8,380	8,530	8,770	8,700	8,530	8,290
Cooling energy class			A	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	1870	-	-	-	-	732	1091	1359	1812
SEER	(8)(9)		8,24	-	-	-	-	8,93	8,82	8,64	8,22
Performance ηs	(8)(10)	%	321	-	-	-	-	349	345	338	321
<b>EXCHANGERS</b>											
<b>HEAT EXCHANGER USER SIDE IN REFRIGERATION</b>											
Water flow	(1)	l/s	89,77	105,8	113,3	137,2	160,8	35,07	52,27	65,17	86,97
Pressure drop	(1)	kPa	62,7	66,7	66,6	75,6	67,1	21,5	23,7	40,7	61,8
<b>HEAT EXCHANGER SOURCE SIDE IN REFRIGERATION</b>											
Water flow	(1)	l/s	103,8	122,4	131,0	158,3	185,2	40,76	60,73	75,40	100,7
Pressure drop	(1)	kPa	48,9	44,7	42,3	48,7	53,3	19,6	22,5	26,5	39,5
<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	812	1013	1094	1299	1667	501	598	985	1269
<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**

- Plant (side) cooling exchanger water (in/out) 12°C/7°C; Source (side) heat exchanger water (in/out) 30°C/35°C.
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- Sound power on the basis of measurements made in compliance with ISO 9614.
- Sound power level in cooling, indoors.
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- Parameter calculated according to [REGULATION (EU) N. 2016/2281]
- Seasonal energy efficiency ratio
- Seasonal space cooling energy efficiency

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Certified data in EUROVENT

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	(1)	kW	1793-2562	1205-1721	1453-2076	1550-2214	1907-2724	1792-2240	2076-2594	2254-2817	2738-3423
EER	(1)	kW/kW	6,420	6,490	6,450	6,470	6,540	6,340	6,330	6,370	6,490
ESEER (up to)	(1)	kW/kW									
<b>COOLING ONLY (EN14511 VALUE)</b>											
Cooling capacity	(1)(2)	kW	2095	1310	1753	1877	2292	2068	2354	2559	3057
EER	(1)(2)	kW/kW	6,010	6,230	6,010	6,040	6,080	5,960	5,930	5,980	6,060
ESEER	(1)(2)	kW/kW	8,430	8,900	8,510	8,550	8,480	8,250	8,100	8,240	8,240
Cooling energy class			A	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	-	1310	1753	1877	-	-	-	-	-
SEER	(8)(9)		-	8,98	8,55	8,56	-	-	-	-	-
Performance ηs	(8)(10)	%	-	351	334	334	-	-	-	-	-
<b>EXCHANGERS</b>											
<b>HEAT EXCHANGER USER SIDE IN REFRIGERATION</b>											
Water flow	(1)	l/s	100,5	62,81	84,10	90,04	110,1	99,34	113,1	122,9	146,9
Pressure drop	(1)	kPa	56,3	35,8	52,2	52,5	59,6	69,1	76,3	72,4	81,1
<b>HEAT EXCHANGER SOURCE SIDE IN REFRIGERATION</b>											
Water flow	(1)	l/s	116,2	72,40	97,31	104,1	127,1	114,9	130,9	142,1	169,4
Pressure drop	(1)	kPa	43,8	28,5	34,4	33,7	41,8	56,4	48,8	47,1	55,8
<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	1677	795	1078	1013	1252	850	1059	1072	1400
<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 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 Parameter calculated according to [REGULATION (EU) N. 2016/2281]

9 Seasonal energy efficiency ratio

10 Seasonal space cooling energy efficiency

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

Certified data in EUROVENT

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	(1)	kW	3221-4026	1384-1978	1636-2337	1890-2700	1376-2294	1964-2806	2388-2985	2877-3596	3360-4200
EER	(1)	kW/kW	6,590	6,350	6,390	6,450	6,440	6,560	6,330	6,480	6,600
ESEER (up to)	(1)	kW/kW									
<b>COOLING ONLY (EN14511 VALUE)</b>											
Cooling capacity	(1)(2)	kW	3549	1462	1937	2218	1498	2370	2755	3255	3750
EER	(1)(2)	kW/kW	6,190	6,090	5,950	6,030	6,240	6,100	5,940	6,050	6,170
ESEER	(1)(2)	kW/kW	8,480	8,600	8,310	8,400	8,910	8,480	8,110	8,180	8,390
Cooling energy class			A	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	-	1462	1937	-	1498	-	-	-	-
SEER	(8)(9)		-	8,68	8,30	-	9,17	-	-	-	-
Performance ηs	(8)(10)	%	-	339	324	-	359	-	-	-	-
<b>EXCHANGERS</b>											
<b>HEAT EXCHANGER USER SIDE IN REFRIGERATION</b>											
Water flow	(1)	l/s	170,4	70,11	92,98	106,4	71,80	113,8	132,4	156,5	180,1
Pressure drop	(1)	kPa	71,5	40,1	60,5	57,3	30,7	62,1	81,7	88,9	75,7
<b>HEAT EXCHANGER SOURCE SIDE IN REFRIGERATION</b>											
Water flow	(1)	l/s	196,1	81,06	107,7	123,0	82,82	131,3	153,1	180,4	207,3
Pressure drop	(1)	kPa	54,8	26,4	39,1	45,1	20,4	42,4	54,7	54,9	61,2
<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	1626	1078	1233	1638	1050	1239	1072	1380	1767
<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**

- Plant (side) cooling exchanger water (in/out) 12°C/7°C; Source (side) heat exchanger water (in/out) 30°C/35°C.
- Values in compliance with EN14511
- 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.
- Sound power on the basis of measurements made in compliance with ISO 9614.
- Sound power level in cooling, indoors.
- Unit in standard configuration/execution, without optional accessories.
- 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.
- Parameter calculated according to [REGULATION (EU) N. 2016/2281]
- Seasonal energy efficiency ratio
- Seasonal space cooling energy efficiency

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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	(1)	kW 1732-2474 1986-2837 2021-2888 2381-3401 3016-3770 3500-4374 2082-2974 2440-3486 3639-4549								
EER	(1)	kW/kW 6,420 6,470 6,600 6,640 6,470 6,590 6,490 6,660 6,580								
ESEER (up to)	(1)	kW/kW								
<b>COOLING ONLY (EN14511 VALUE)</b>										
Cooling capacity	(1)(2)	kW 2062 2342 2448 2864 3453 3948 2466 2942 4147								
EER	(1)(2)	kW/kW 5,970 6,050 6,130 6,200 6,040 6,170 6,070 6,220 6,160								
ESEER	(1)(2)	kW/kW 8,340 8,390 8,590 8,580 8,130 8,360 8,400 8,670 8,300								
Cooling energy class		A A 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 - - - - - - - - - -								
SEER	(8)(9)	- - - - - - - - - -								
Performance ηs	(8)(10)	% - - - - - - - - - -								
<b>EXCHANGERS</b>										
<b>HEAT EXCHANGER USER SIDE IN REFRIGERATION</b>										
Water flow	(1)	l/s 99,01 112,4 117,5 137,4 166,0 189,7 118,4 141,2 199,2								
Pressure drop	(1)	kPa 61,0 57,3 62,6 58,7 92,9 79,2 58,1 59,4 82,3								
<b>HEAT EXCHANGER SOURCE SIDE IN REFRIGERATION</b>										
Water flow	(1)	l/s 114,6 129,9 135,5 158,3 191,4 218,2 136,7 162,6 229,2								
Pressure drop	(1)	kPa 39,1 45,9 40,4 45,5 61,7 61,7 46,0 44,5 68,1								
<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	1317 1594 1343 1583 1355 1739 1722 1555 1699								
<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**
- Plant (side) cooling exchanger water (in/out) 12°C/7°C; Source (side) heat exchanger water (in/out) 30°C/35°C.
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  - Parameter calculated according to [REGULATION (EU) N. 2016/2281]
  - Seasonal energy efficiency ratio
  - Seasonal space cooling energy efficiency
- The units highlighted in this publication contain HFC R134a [GWP<sub>100</sub> 1430] fluorinated greenhouse gases.  
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**Dimensional drawing**

