

5.1 GENERAL TECHNICAL DATA

TX-W-G05

[SI System]

TX-W-G05		1A00	1B00	1B1A	1B2A	1B3A	1C00	1C1A	1C1B	1C3B	1D00
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
PERFORMANCE											
COOLING ONLY (GROSS VALUE)											
Cooling capacity	(1)(8)	kW	353,0	490,9	844,2	1189	1547	565,9	917,7	1051	2036
Total power input	(1)(8)	kW	68,71	89,78	158,9	232,7	293,0	99,07	167,4	189,2	365,1
EER	(1)(8)	kW/kW	5,138	5,467	5,313	5,110	5,280	5,710	5,482	5,555	5,577
ESEER CALCULATED	(1)(8)	kW/kW	9,520	9,400	9,750	9,450	9,670	9,830	9,840	9,780	9,770
COOLING ONLY (EN14511 VALUE)											
Cooling capacity	(1)(2)(8)	kW	351,8	489,3	840,9	1185	1541	564,2	914,3	1047	2027
EER	(1)(2)(8)	kW/kW	4,940	5,250	5,080	4,930	5,050	5,500	5,250	5,320	5,310
ESEER EN14511 CALCULATED	(1)(2)(8)	kW/kW	8,000	8,040	8,050	8,010	7,950	8,410	8,190	8,190	8,010
EXCHANGERS											
HEAT EXCHANGER USER SIDE IN REFRIGERATION											
Water flow	(1)(8)	l/s	16,88	23,47	40,37	56,88	74,00	27,06	43,89	50,24	97,36
Pressure drop	(1)(8)	kPa	39,4	39,4	53,9	44,4	62,5	36,5	52,2	52,0	73,7
HEAT EXCHANGER SOURCE SIDE IN REFRIGERATION											
Water flow	(1)(8)	l/s	20,09	27,68	47,80	67,75	87,70	31,71	51,73	59,10	114,5
Pressure drop	(1)(8)	kPa	38,4	38,4	45,3	42,8	49,8	36,5	43,0	42,1	49,2
CERTIFIED DATA IN EUROVENT											
Cooling capacity	(1)(2)(9)	kW	243,7	364,4	581,9	818,9	1143	458,9	642,5	737,1	1708
Total power input	(1)(2)(9)	kW	40,80	60,20	96,00	138,6	191,5	75,50	105,2	120,4	289,0
EER	(1)(2)(9)	kW/kW	5,970	6,050	6,060	5,910	5,970	6,080	6,110	6,120	5,910
ESEER	(1)(2)(9)	kW/kW	8,760	8,460	8,850	8,670	8,590	8,770	8,810	8,770	8,370
Cooling energy class		A	A	A	A	A	A	A	A	A	A
HEAT EXCHANGER USER SIDE IN REFRIGERATION											
Pressure drop	(1)(2)(9)	kPa	18,8	21,8	25,7	21,1	34,3	24,1	25,7	25,7	52,2
HEAT EXCHANGER SOURCE SIDE IN REFRIGERATION											
Pressure drop	(1)(2)(9)	kPa	17,5	20,5	20,7	19,4	26,2	23,5	20,4	20,1	33,9
REFRIGERANT CIRCUIT											
Compressors nr.		N°	1	1	2	3	4	1	2	2	4
No. Circuits		N°	1	1	1	1	1	1	1	1	1
Regulation			STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS
Min. capacity step		%	33,9	34,0	13,9	9,9	7,5	33,4	12,6	15,9	8,1
Refrigerant			R513A	R513A	R513A	R513A	R513A	R513A	R513A	R513A	R513A
Refrigerant charge	(11)	kg	215	220	390	495	747	262	436	416	1078
Oil charge		kg	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Rc (ASHRAE)	(3)(8)(11)	kg/kW	0,62	0,45	0,47	0,42	0,49	0,47	0,48	0,40	0,54
NOISE LEVEL											
Sound Pressure	(4)	dB(A)	75	76	76	78	78	77	77	77	79
Sound power level in cooling	(5)(6)	dB(A)	93	94	95	97	98	95	96	96	99
SIZE AND WEIGHT											
A	(7)(10)	mm	2910	2910	3050	3710	4690	2910	3050	3050	4720
B	(7)(10)	mm	1000	1000	1620	1710	1890	1000	1620	1620	1890
H	(7)(10)	mm	1950	1950	2190	2260	2400	1950	2190	2190	2400
Operating weight	(7)(10)	kg	2690	2800	5200	7590	9320	2880	5280	5410	11010

Notes:

1 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger water (in/out) 30,00°C/35,00°C.

2 Values in compliance with EN14511

3 Rated in accordance with AHRI Standard 550/590 (2011 with addendum 1).

4 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.

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

6 Sound power level in cooling, indoors.

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

8 Values related to the maximum compressors' rotating speed.

9 Values refer to the nominal rotational speed of the compressors.

10 Values related to standard layout : diagonal in sizes up to 4 compressors, horizontal in sizes with 5 or 6 compressors

11 Nominal value, please refer always to the printed value on the unit data plate.

- Not available

Certified data in EUROVENT

GENERAL TECHNICAL DATA

TX-W-G05

[SI System]

TX-W-G05			1D1A	1D1B	1D1C	1D2C	1D3C	1D4C	1D5C	2A00	2B00	2B1A
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	400/3/50
PERFORMANCE												
COOLING ONLY (GROSS VALUE)												
Cooling capacity	(1)(8)	kW	1084	1226	1303	1880	2455	3051	3648	708,5	980,2	1329
Total power input	(1)(8)	kW	189,7	211,9	222,4	323,1	423,2	517,3	613,7	137,6	182,1	257,3
EER	(1)(8)	kW/kW	5,714	5,786	5,859	5,819	5,801	5,898	5,944	5,149	5,383	5,165
ESEER CALCULATED	(1)(8)	kW/kW	9,760	9,870	10,00	10,00	9,940	10,20	10,30	9,660	9,750	9,370
COOLING ONLY (EN14511 VALUE)												
Cooling capacity	(1)(2)(8)	kW	1080	1221	1298	1872	2443	3035	3631	706,1	976,5	1325
EER	(1)(2)(8)	kW/kW	5,440	5,500	5,580	5,530	5,510	5,560	5,610	4,940	5,160	4,990
ESEER EN14511 CALCULATED	(1)(2)(8)	kW/kW	8,010	8,070	8,220	8,150	8,100	8,080	8,150	7,990	8,080	8,030
EXCHANGERS												
HEAT EXCHANGER USER SIDE IN REFRIGERATION												
Water flow	(1)(8)	l/s	51,82	58,61	62,33	89,92	117,4	145,9	174,5	33,88	46,87	63,54
Pressure drop	(1)(8)	kPa	60,2	62,3	60,4	66,0	78,6	91,1	82,8	43,9	53,8	42,4
HEAT EXCHANGER SOURCE SIDE IN REFRIGERATION												
Water flow	(1)(8)	l/s	60,71	68,55	72,77	105,1	137,3	170,2	203,3	40,31	55,40	75,56
Pressure drop	(1)(8)	kPa	50,2	50,5	48,7	55,8	51,3	60,1	69,6	47,4	44,1	41,4
CERTIFIED DATA IN EUROVENT												
Cooling capacity	(1)(2)(9)	kW	748,2	857,2	1067	1271	2143	2637	3128	522,3	680,3	978,2
Total power input	(1)(2)(9)	kW	126,6	142,4	178,1	208,4	360,8	436,6	511,1	88,50	112,6	167,2
EER	(1)(2)(9)	kW/kW	5,910	6,020	5,990	6,100	5,940	6,040	6,120	5,900	6,040	5,850
ESEER	(1)(2)(9)	kW/kW	8,530	8,700	8,640	8,800	8,400	8,420	8,500	8,800	8,700	8,530
Cooling energy class		A	A	A	A	A	A	A	A	A	A	A
HEAT EXCHANGER USER SIDE IN REFRIGERATION												
Pressure drop	(1)(2)(9)	kPa	28,8	30,6	40,8	30,3	60,3	68,6	61,4	24,0	26,0	23,1
HEAT EXCHANGER SOURCE SIDE IN REFRIGERATION												
Pressure drop	(1)(2)(9)	kPa	23,6	24,4	32,3	25,1	38,6	44,4	50,5	24,6	20,5	21,6
REFRIGERANT CIRCUIT												
Compressors nr.		N°	2	2	2	3	4	5	6	2	2	3
No. Circuits		N°	1	1	1	1	1	1	1	1	1	1
Regulation			STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS
Min. capacity step		%	11,2	13,7	14,5	10,0	7,6	6,1	7,9	16,6	16,9	8,8
Refrigerant			R513A	R513A	R513A	R513A	R513A	R513A	R513A	R513A	R513A	R513A
Refrigerant charge	(11)	kg	422	400	450	814	1017	1319	1696	273	433	583
Oil charge		kg	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Rc (ASHRAE)	(3)(8)(11)	kg/kW	0,39	0,33	0,35	0,44	0,42	0,44	0,47	0,39	0,45	0,44
NOISE LEVEL												
Sound Pressure	(4)	dB(A)	78	78	78	79	79	79	80	76	77	78
Sound power level in cooling	(5)(6)	dB(A)	97	97	97	99	99	100	101	95	96	97
SIZE AND WEIGHT												
A	(7)(10)	mm	3050	3050	3050	4690	4720	5700	6610	2910	3050	3710
B	(7)(10)	mm	1620	1620	1620	1660	1890	2350	2400	1560	1620	1710
H	(7)(10)	mm	2190	2190	2190	2260	2400	2400	2450	2190	2190	2260
Operating weight	(7)(10)	kg	5350	5340	5420	8810	11410	15330	20580	4070	5340	7750

Notes:

- 1 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger water (in/out) 30,00°C/35,00°C.
 - 2 Values in compliance with EN14511
 - 3 Rated in accordance with AHRI Standard 550/590 (2011 with addendum 1).
 - 4 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.
 - 5 Sound power on the basis of measurements made in compliance with ISO 9614.
 - 6 Sound power level in cooling, indoors.
 - 7 Unit in standard configuration/execution, without optional accessories.
 - 8 Values related to the maximum compressors' rotating speed.
 - 9 Values refer to the nominal rotational speed of the compressors.
 - 10 Values related to standard layout : diagonal in sizes up to 4 compressors, horizontal in sizes with 5 or 6 compressors
 - 11 Nominal value, please refer always to the printed value on the unit data plate.
- Not available

Certified data in EUROVENT

GENERAL TECHNICAL DATA

TX-W-G05

[SI System]

TX-W-G05			2B2A	2B3A	2C00	2C1A	2C1B	2D00	2D1B	2D1C	2D2B	2D2C
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	400/3/50
PERFORMANCE												
COOLING ONLY (GROSS VALUE)												
Cooling capacity	(1)(8)	kW	1680	2049	1131	1489	1621	1471	1966	2045	2460	2614
Total power input	(1)(8)	kW	314,4	375,6	198,3	266,0	286,6	243,9	332,4	342,1	420,7	441,1
EER	(1)(8)	kW/kW	5,344	5,455	5,703	5,598	5,656	6,031	5,915	5,978	5,847	5,926
ESEER CALCULATED	(1)(8)	kW/kW	9,690	9,900	10,10	9,890	9,840	10,10	9,890	10,00	9,820	9,960
COOLING ONLY (EN14511 VALUE)												
Cooling capacity	(1)(2)(8)	kW	1672	2038	1127	1483	1615	1465	1957	2036	2448	2601
EER	(1)(2)(8)	kW/kW	5,090	5,150	5,470	5,340	5,400	5,710	5,590	5,650	5,530	5,610
ESEER EN14511 CALCULATED	(1)(2)(8)	kW/kW	7,880	7,800	8,450	8,130	8,170	8,120	7,950	8,050	7,940	8,080
EXCHANGERS												
HEAT EXCHANGER USER SIDE IN REFRIGERATION												
Water flow	(1)(8)	l/s	80,33	97,98	54,07	71,21	77,52	70,36	94,02	97,81	117,6	125,0
Pressure drop	(1)(8)	kPa	73,6	90,8	51,2	61,8	60,7	66,7	75,6	74,4	82,5	81,0
HEAT EXCHANGER SOURCE SIDE IN REFRIGERATION												
Water flow	(1)(8)	l/s	95,04	115,6	63,37	83,67	90,95	81,82	109,6	113,9	137,4	145,7
Pressure drop	(1)(8)	kPa	50,3	58,8	41,1	49,9	48,2	55,5	60,7	58,8	56,2	52,3
CERTIFIED DATA IN EUROVENT												
Cooling capacity	(1)(2)(9)	kW	1240	1674	916,7	1123	1221	984,1	1448	1848	2185	2332
Total power input	(1)(2)(9)	kW	208,1	284,2	151,3	184,1	199,8	168,2	240,9	312,2	371,0	391,9
EER	(1)(2)(9)	kW/kW	5,960	5,890	6,060	6,100	6,110	5,850	6,010	5,920	5,890	5,950
ESEER	(1)(2)(9)	kW/kW	8,470	8,300	8,910	8,600	8,640	8,780	8,410	8,250	8,170	8,320
Cooling energy class		A	A	A	A	A	A	A	A	A	A	A
HEAT EXCHANGER USER SIDE IN REFRIGERATION												
Pressure drop	(1)(2)(9)	kPa	40,4	61,1	33,8	35,3	34,6	30,0	41,2	61,2	65,6	65,0
HEAT EXCHANGER SOURCE SIDE IN REFRIGERATION												
Pressure drop	(1)(2)(9)	kPa	26,5	38,3	26,5	27,6	26,7	25,0	32,7	47,9	44,1	41,4
REFRIGERANT CIRCUIT												
Compressors nr.		N°	4	5	2	3	3	2	3	3	4	4
No. Circuits		N°	1	1	1	1	1	1	1	1	1	1
Regulation			STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS
Min. capacity step		%	6,9	5,7	16,5	7,7	10,3	22,0	8,5	9,1	6,7	7,1
Refrigerant			R513A	R513A	R513A	R513A	R513A	R513A	R513A	R513A	R513A	R513A
Refrigerant charge	(11)	kg	1015	1303	411	751	795	429	814	812	1013	1094
Oil charge		kg	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Rc (ASHRAE)	(3)(8)(11)	kg/kW	0,61	0,64	0,37	0,51	0,50	0,29	0,42	0,40	0,42	0,42
NOISE LEVEL												
Sound Pressure	(4)	dB(A)	78	78	78	78	78	79	79	79	79	80
Sound power level in cooling	(5)(6)	dB(A)	98	99	97	98	98	98	99	99	99	100
SIZE AND WEIGHT												
A	(7)(10)	mm	4720	5700	3050	4690	4690	3050	4690	4690	4720	4720
B	(7)(10)	mm	1890	2350	1620	1660	1660	1620	1660	1660	1890	1890
H	(7)(10)	mm	2400	2400	2190	2260	2260	2190	2260	2260	2400	2400
Operating weight	(7)(10)	kg	10610	13850	5330	8470	8700	5310	8810	8880	11250	11450

Notes:

- 1 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger water (in/out) 30,00°C/35,00°C.
 - 2 Values in compliance with EN14511
 - 3 Rated in accordance with AHRI Standard 550/590 (2011 with addendum 1).
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 - 6 Sound power level in cooling, indoors.
 - 7 Unit in standard configuration/execution, without optional accessories.
 - 8 Values related to the maximum compressors' rotating speed.
 - 9 Values refer to the nominal rotational speed of the compressors.
 - 10 Values related to standard layout : diagonal in sizes up to 4 compressors, horizontal in sizes with 5 or 6 compressors
 - 11 Nominal value, please refer always to the printed value on the unit data plate.
- Not available

Certified data in EUROVENT

GENERAL TECHNICAL DATA

TX-W-G05

[SI System]

TX-W-G05	TX-W-G05		2D3C	2D4C	3A00	3B00	3B1A	3B2A	3B3A	3C00	3C1A	3C1B
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	400/3/50
PERFORMANCE												
COOLING ONLY (GROSS VALUE)												
Cooling capacity	(1)(8)	kW	3210	3817	1050	1462	1819	2174	2531	1709	2059	2187
Total power input	(1)(8)	kW	538,6	631,4	210,8	280,6	338,1	400,2	460,0	297,6	366,1	384,7
EER	(1)(8)	kW/kW	5,960	6,045	4,981	5,210	5,380	5,432	5,502	5,743	5,624	5,685
ESEER CALCULATED	(1)(8)	kW/kW	10,10	10,30	9,320	9,410	9,630	9,750	9,890	10,00	9,820	9,840
COOLING ONLY (EN14511 VALUE)												
Cooling capacity	(1)(2)(8)	kW	3193	3798	1047	1458	1811	2163	2519	1702	2050	2177
EER	(1)(2)(8)	kW/kW	5,610	5,690	4,800	5,030	5,130	5,140	5,200	5,480	5,360	5,420
ESEER EN14511 CALCULATED	(1)(2)(8)	kW/kW	8,010	8,160	7,880	8,060	7,880	7,770	7,870	8,280	8,090	8,130
EXCHANGERS												
HEAT EXCHANGER USER SIDE IN REFRIGERATION												
Water flow	(1)(8)	l/s	153,5	182,5	50,20	69,91	86,99	104,0	121,0	81,72	98,48	104,6
Pressure drop	(1)(8)	kPa	94,7	86,4	44,1	42,4	72,6	88,3	81,6	60,6	71,6	70,9
HEAT EXCHANGER SOURCE SIDE IN REFRIGERATION												
Water flow	(1)(8)	l/s	178,8	212,2	60,04	83,03	102,8	122,7	142,6	95,68	115,6	122,6
Pressure drop	(1)(8)	kPa	62,2	70,0	42,5	42,0	49,3	58,5	65,9	49,8	48,5	46,8
CERTIFIED DATA IN EUROVENT												
Cooling capacity	(1)(2)(9)	kW	2823	3320	723,3	1078	1344	1790	2070	1301	1738	1854
Total power input	(1)(2)(9)	kW	469,7	541,6	124,1	184,3	225,1	307,0	349,7	210,9	292,6	310,6
EER	(1)(2)(9)	kW/kW	6,010	6,130	5,830	5,850	5,970	5,830	5,920	6,170	5,940	5,970
ESEER	(1)(2)(9)	kW/kW	8,300	8,480	8,650	8,610	8,430	8,190	8,330	8,820	8,420	8,480
Cooling energy class		A	A	A	A	A	A	A	A	A	A	A
HEAT EXCHANGER USER SIDE IN REFRIGERATION												
Pressure drop	(1)(2)(9)	kPa	73,8	65,9	21,0	23,2	39,8	60,3	55,0	35,3	51,4	51,3
HEAT EXCHANGER SOURCE SIDE IN REFRIGERATION												
Pressure drop	(1)(2)(9)	kPa	47,7	52,5	19,2	22,0	26,1	38,7	42,9	28,2	33,9	33,0
REFRIGERANT CIRCUIT												
Compressors nr.		N°	5	6	3	3	4	5	6	3	4	4
No. Circuits		N°	1	1	1	1	1	1	1	1	1	1
Regulation			STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS
Min. capacity step		%	5,8	4,9	11,2	11,3	6,4	5,3	4,9	10,8	5,5	7,5
Refrigerant			R513A	R513A	R513A	R513A	R513A	R513A	R513A	R513A	R513A	R513A
Refrigerant charge	(11)	kg	1299	1667	501	598	985	1269	1677	795	1078	1013
Oil charge		kg	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Rc (ASHRAE)	(3)(8)(11)	kg/kW	0,41	0,44	0,48	0,41	0,55	0,59	0,67	0,47	0,53	0,47
NOISE LEVEL												
Sound Pressure	(4)	dB(A)	79	80	77	78	78	78	79	78	79	79
Sound power level in cooling	(5)(6)	dB(A)	100	101	96	97	98	99	100	98	99	99
SIZE AND WEIGHT												
A	(7)(10)	mm	5700	6610	3710	3710	4720	5700	6610	4690	4720	4720
B	(7)(10)	mm	2350	2400	1710	1710	1890	2350	2400	1660	1890	1890
H	(7)(10)	mm	2400	2450	2260	2260	2400	2400	2450	2260	2400	2400
Operating weight	(7)(10)	kg	15420	20750	7440	7370	10740	14050	18670	8700	11010	11210

Notes:

- 1 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger water (in/out) 30,00°C/35,00°C.
- 2 Values in compliance with EN14511
- 3 Rated in accordance with AHRI Standard 550/590 (2011 with addendum 1).
- 4 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.
- 5 Sound power on the basis of measurements made in compliance with ISO 9614.
- 6 Sound power level in cooling, indoors.
- 7 Unit in standard configuration/execution, without optional accessories.
- 8 Values related to the maximum compressors' rotating speed.
- 9 Values refer to the nominal rotational speed of the compressors.
- 10 Values related to standard layout : diagonal in sizes up to 4 compressors, horizontal in sizes with 5 or 6 compressors
- 11 Nominal value, please refer always to the printed value on the unit data plate.

- Not available

Certified data in EUROVENT

GENERAL TECHNICAL DATA

TX-W-G05

[SI System]

TX-W-G05			3C2B	3D00	3D1A	3D1C	3D2C	3D3C	4B00	4B1A	4B2A	4C00
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	400/3/50
PERFORMANCE												
COOLING ONLY (GROSS VALUE)												
Cooling capacity	(1)(8)	kW	2705	2213	2563	2792	3388	3990	1952	2314	2679	2277
Total power input	(1)(8)	kW	470,3	364,9	432,9	460,5	557,8	647,3	357,9	419,9	476,5	396,2
EER	(1)(8)	kW/kW	5,752	6,065	5,921	6,063	6,074	6,164	5,454	5,511	5,622	5,747
ESEER CALCULATED	(1)(8)	kW/kW	9,990	10,00	9,780	10,00	10,10	10,40	9,680	9,790	10,00	10,00
COOLING ONLY (EN14511 VALUE)												
Cooling capacity	(1)(2)(8)	kW	2692	2202	2550	2778	3369	3970	1943	2302	2666	2267
EER	(1)(2)(8)	kW/kW	5,440	5,710	5,580	5,720	5,690	5,790	5,200	5,220	5,310	5,470
ESEER EN14511 CALCULATED	(1)(2)(8)	kW/kW	8,030	7,980	7,840	8,050	7,950	8,190	7,960	7,830	7,930	8,190
EXCHANGERS												
HEAT EXCHANGER USER SIDE IN REFRIGERATION												
Water flow	(1)(8)	l/s	129,4	105,9	122,6	133,5	162,0	190,8	93,35	110,7	128,1	108,9
Pressure drop	(1)(8)	kPa	82,4	78,4	89,6	85,5	98,7	89,6	71,1	85,7	82,9	70,7
HEAT EXCHANGER SOURCE SIDE IN REFRIGERATION												
Water flow	(1)(8)	l/s	151,4	123,0	142,9	155,1	188,3	221,2	110,1	130,3	150,4	127,5
Pressure drop	(1)(8)	kPa	59,4	64,7	58,2	56,2	68,9	69,8	48,7	57,2	67,4	48,5
CERTIFIED DATA IN EUROVENT												
Cooling capacity	(1)(2)(9)	kW	2277	2043	2326	2536	3027	3518	1443	1918	2200	1488
Total power input	(1)(2)(9)	kW	377,6	348,0	398,3	425,5	503,7	570,2	239,7	326,2	366,7	240,4
EER	(1)(2)(9)	kW/kW	6,030	5,870	5,840	5,960	6,010	6,170	6,020	5,880	6,000	6,190
ESEER	(1)(2)(9)	kW/kW	8,410	8,160	7,990	8,240	8,210	8,480	8,510	8,240	8,370	8,860
Cooling energy class		A	A	A	A	A	A	A	A	A	A	A
HEAT EXCHANGER USER SIDE IN REFRIGERATION												
Pressure drop	(1)(2)(9)	kPa	58,8	67,4	74,5	71,1	79,5	70,2	39,1	59,3	56,3	30,3
HEAT EXCHANGER SOURCE SIDE IN REFRIGERATION												
Pressure drop	(1)(2)(9)	kPa	41,4	55,3	47,9	46,3	54,8	53,9	25,8	38,4	44,5	20,2
REFRIGERANT CIRCUIT												
Compressors nr.		N°	5	3	4	4	5	6	4	5	6	4
No. Circuits		N°	1	1	1	1	1	1	1	1	1	1
Regulation			STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS
Min. capacity step		%	6,2	14,3	4,6	6,7	5,5	4,7	8,5	5,0	6,2	8,1
Refrigerant			R513A	R513A	R513A	R513A	R513A	R513A	R513A	R513A	R513A	R513A
Refrigerant charge	(11)	kg	1252	850	1059	1072	1400	1626	1078	1233	1638	1050
Oil charge		kg	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Rc (ASHRAE)	(3)(8)(11)	kg/kW	0,47	0,39	0,42	0,39	0,42	0,41	0,56	0,54	0,62	0,47
NOISE LEVEL												
Sound Pressure	(4)	dB(A)	79	79	80	80	80	80	78	78	79	79
Sound power level in cooling	(5)(6)	dB(A)	100	99	100	100	101	101	98	99	100	99
SIZE AND WEIGHT												
A	(7)(10)	mm	5700	4690	4720	4720	5700	6610	4720	5700	6610	4720
B	(7)(10)	mm	2350	1660	1890	1890	2350	2400	1890	2350	2400	1890
H	(7)(10)	mm	2400	2260	2400	2400	2400	2450	2400	2400	2450	2400
Operating weight	(7)(10)	kg	14910	9010	11250	11580	15500	21010	10920	14300	18880	11250

Notes:

1 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger water (in/out) 30,00°C/35,00°C.

2 Values in compliance with EN14511

3 Rated in accordance with AHRI Standard 550/590 (2011 with addendum 1).

4 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.

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

6 Sound power level in cooling, indoors.

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

8 Values related to the maximum compressors' rotating speed.

9 Values refer to the nominal rotational speed of the compressors.

10 Values related to standard layout : diagonal in sizes up to 4 compressors, horizontal in sizes with 5 or 6 compressors

11 Nominal value, please refer always to the printed value on the unit data plate.

- Not available

Certified data in EUROVENT

GENERAL TECHNICAL DATA

TX-W-G05

[SI System]

TX-W-G05			4C1B	4D00	4D1C	4D2C	5B00	5B1A	5C00	5C1B	5D00	5D1C
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	400/3/50
PERFORMANCE												
COOLING ONLY (GROSS VALUE)												
Cooling capacity	(1)(8)	kW	2781	2961	3571	4171	2454	2809	2856	3367	3739	4322
Total power input	(1)(8)	kW	477,7	484,9	577,8	670,5	441,3	495,3	489,1	571,5	595,9	687,7
EER	(1)(8)	kW/kW	5,822	6,106	6,180	6,221	5,561	5,671	5,839	5,892	6,275	6,285
ESEER CALCULATED	(1)(8)	kW/kW	10,10	10,00	10,20	10,40	9,790	10,00	10,20	10,20	10,30	10,30
COOLING ONLY (EN14511 VALUE)												
Cooling capacity	(1)(2)(8)	kW	2767	2945	3550	4150	2442	2796	2842	3351	3717	4300
EER	(1)(2)(8)	kW/kW	5,500	5,730	5,780	5,820	5,260	5,360	5,520	5,570	5,850	5,880
ESEER EN14511 CALCULATED	(1)(2)(8)	kW/kW	8,080	7,920	7,950	8,100	7,860	7,950	8,150	8,170	7,940	8,120
EXCHANGERS												
HEAT EXCHANGER USER SIDE IN REFRIGERATION												
Water flow	(1)(8)	l/s	133,0	141,6	170,8	199,5	117,4	134,3	136,6	161,0	178,8	206,7
Pressure drop	(1)(8)	kPa	84,8	93,6	106	92,8	85,7	81,8	84,6	80,6	108	94,1
HEAT EXCHANGER SOURCE SIDE IN REFRIGERATION												
Water flow	(1)(8)	l/s	155,4	164,4	197,9	231,0	138,0	157,5	159,5	187,8	206,9	239,0
Pressure drop	(1)(8)	kPa	59,5	63,0	66,0	76,1	56,8	67,5	56,1	64,0	72,1	74,1
CERTIFIED DATA IN EUROVENT												
Cooling capacity	(1)(2)(9)	kW	2349	2733	3233	3724	2046	2319	2421	2835	3426	3901
Total power input	(1)(2)(9)	kW	386,3	464,0	537,0	607,5	346,8	385,2	398,2	461,0	569,1	636,4
EER	(1)(2)(9)	kW/kW	6,080	5,890	6,020	6,130	5,900	6,020	6,080	6,150	6,020	6,130
ESEER	(1)(2)(9)	kW/kW	8,460	8,070	8,160	8,350	8,270	8,380	8,530	8,540	8,130	8,330
Cooling energy class		A	A	A	A	A	A	A	A	A	A	A
HEAT EXCHANGER USER SIDE IN REFRIGERATION												
Pressure drop	(1)(2)(9)	kPa	60,9	80,4	87,6	74,6	60,0	56,2	61,2	57,6	91,4	77,4
HEAT EXCHANGER SOURCE SIDE IN REFRIGERATION												
Pressure drop	(1)(2)(9)	kPa	41,7	53,9	54,2	60,5	38,6	45,1	39,7	44,7	60,8	60,4
REFRIGERANT CIRCUIT												
Compressors nr.		N°	5	4	5	6	5	6	5	6	5	6
No. Circuits		N°	1	1	1	1	1	1	1	1	1	1
Regulation			STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS
Min. capacity step		%	6,0	10,7	5,2	4,5	6,7	5,9	6,4	7,1	8,5	4,3
Refrigerant			R513A	R513A	R513A	R513A	R513A	R513A	R513A	R513A	R513A	R513A
Refrigerant charge	(11)	kg	1239	1072	1380	1767	1317	1594	1343	1583	1355	1739
Oil charge		kg	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Rc (ASHRAE)	(3)(8)(11)	kg/kW	0,45	0,37	0,39	0,43	0,54	0,57	0,48	0,48	0,37	0,41
NOISE LEVEL												
Sound Pressure	(4)	dB(A)	79	80	80	80	78	79	79	80	80	81
Sound power level in cooling	(5)(6)	dB(A)	100	100	101	101	99	100	100	101	101	102
SIZE AND WEIGHT												
A	(7)(10)	mm	5700	4720	5700	6610	5700	6610	5700	6610	5700	6610
B	(7)(10)	mm	2350	1890	2350	2400	2350	2400	2350	2400	2350	2400
H	(7)(10)	mm	2400	2400	2400	2450	2400	2450	2400	2450	2400	2450
Operating weight	(7)(10)	kg	15000	11580	15730	21180	14550	19150	15180	20240	15890	21350

Notes:

- 1 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger water (in/out) 30,00°C/35,00°C.
- 2 Values in compliance with EN14511
- 3 Rated in accordance with AHRI Standard 550/590 (2011 with addendum 1).
- 4 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.
- 5 Sound power on the basis of measurements made in compliance with ISO 9614.
- 6 Sound power level in cooling, indoors.
- 7 Unit in standard configuration/execution, without optional accessories.
- 8 Values related to the maximum compressors' rotating speed.
- 9 Values refer to the nominal rotational speed of the compressors.
- 10 Values related to standard layout : diagonal in sizes up to 4 compressors, horizontal in sizes with 5 or 6 compressors
- 11 Nominal value, please refer always to the printed value on the unit data plate.

- Not available

Certified data in EUROVENT

GENERAL TECHNICAL DATA

TX-W-G05

[SI System]

TX-W-G05		6B00	6C00	6D00
Power supply		V/ph/Hz	400/3/50	400/3/50
PERFORMANCE				
COOLING ONLY (GROSS VALUE)				
Cooling capacity	(1)(8)	kW	2935	3458
Total power input	(1)(8)	kW	515,3	585,8
EER	(1)(8)	kW/kW	5,696	5,903
ESEER CALCULATED	(1)(8)	kW/kW	9,940	10,20
COOLING ONLY (EN14511 VALUE)				
Cooling capacity	(1)(2)(8)	kW	2921	3442
EER	(1)(2)(8)	kW/kW	5,380	5,580
ESEER EN14511 CALCULATED	(1)(2)(8)	kW/kW	7,940	8,210
EXCHANGERS				
HEAT EXCHANGER USER SIDE IN REFRIGERATION				
Water flow	(1)(8)	l/s	140,4	165,4
Pressure drop	(1)(8)	kPa	81,7	81,5
HEAT EXCHANGER SOURCE SIDE IN REFRIGERATION				
Water flow	(1)(8)	l/s	164,5	192,8
Pressure drop	(1)(8)	kPa	66,7	62,7
CERTIFIED DATA IN EUROVENT				
Cooling capacity	(1)(2)(9)	kW	2434	2919
Total power input	(1)(2)(9)	kW	404,3	474,6
EER	(1)(2)(9)	kW/kW	6,020	6,150
ESEER	(1)(2)(9)	kW/kW	8,360	8,600
Cooling energy class		A	A	A
HEAT EXCHANGER USER SIDE IN REFRIGERATION				
Pressure drop	(1)(2)(9)	kPa	56,6	58,5
HEAT EXCHANGER SOURCE SIDE IN REFRIGERATION				
Pressure drop	(1)(2)(9)	kPa	44,9	43,9
REFRIGERANT CIRCUIT				
Compressors nr.		N°	6	6
No. Circuits		N°	1	1
Regulation			STEPLESS	STEPLESS
Min. capacity step		%	8,1	8,2
Refrigerant			R513A	R513A
Refrigerant charge	(11)	kg	1722	1555
Oil charge		kg	0,00	0,00
Rc (ASHRAE)	(3)(8)(11)	kg/kW	0,59	0,45
NOISE LEVEL				
Sound Pressure	(4)	dB(A)	79	80
Sound power level in cooling	(5)(6)	dB(A)	100	101
SIZE AND WEIGHT				
A	(7)(10)	mm	6610	6610
B	(7)(10)	mm	2400	2400
H	(7)(10)	mm	2450	2450
Operating weight	(7)(10)	kg	19400	20410

Notes:

- 1 Plant (side) cooling exchanger water (in/out) 12,00°C/7,00°C; Source (side) heat exchanger water (in/out) 30,00°C/35,00°C.
- 2 Values in compliance with EN14511
- 3 Rated in accordance with AHRI Standard 550/590 (2011 with addendum 1).
- 4 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.
- 5 Sound power on the basis of measurements made in compliance with ISO 9614.
- 6 Sound power level in cooling, indoors.
- 7 Unit in standard configuration/execution, without optional accessories.
- 8 Values related to the maximum compressors' rotating speed.
- 9 Values refer to the nominal rotational speed of the compressors.
- 10 Values related to standard layout : diagonal in sizes up to 4 compressors, horizontal in sizes with 5 or 6 compressors
- 11 Nominal value, please refer always to the printed value on the unit data plate.

- Not available

Certified data in EUROVENT

6.1 TECHNICAL DATA SEASONAL EFFICIENCY IN COOLING (EN14825 VALUE)

[SI System]

ENERGY EFFICIENCY

SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)

Ambient refrigeration

TX-W-G05			1A00	1B00	1B1A	1B2A	1B3A	1C00	1C1A	1C1B	1C3B	1D00
Prated,c	(1)	kW	243,7	364,4	581,9	818,9	1143,0	458,9	642,5	737,1	1708,0	658,5
SEER	(1) (2)	-	8,94	8,75	8,92	8,88	8,71	9,01	8,97	8,86	8,39	8,27
Performance η_s	(1) (3)	%	350,0	342,0	349,0	347,0	340,0	352,0	351,0	346,0	328,0	323,0
TX-W-G05			1D1A	1D1B	1D1C	1D2C	1D3C	1D4C	1D5C	2A00	2B00	2B1A
Prated,c	(1)	kW	748,2	857,2	1067,0	1271,0	2143,0	2637,0	3128,0	522,3	680,3	978,2
SEER	(1) (2)	-	8,69	8,72	8,61	8,98	8,40	8,35	8,47	8,87	8,82	8,73
Performance η_s	(1) (3)	%	340,0	341,0	336,0	351,0	328,0	326,0	331,0	347,0	345,0	341,0
TX-W-G05			2B2A	2B3A	2C00	2C1A	2C1B	2D00	2D1B	2D1C	2D2B	2D2C
Prated,c	(1)	kW	1240,0	1674,0	916,7	1123,0	1221,0	984,1	1448,0	1848,0	2185,0	2332,0
SEER	(1) (2)	-	8,55	8,25	8,90	8,77	8,77	8,86	8,52	8,22	8,13	8,30
Performance η_s	(1) (3)	%	334,0	322,0	348,0	343,0	343,0	346,0	333,0	321,0	317,0	324,0
TX-W-G05			2D3C	2D4C	3A00	3B00	3B1A	3B2A	3B3A	3C00	3C1A	3C1B
Prated,c	(1)	kW	2823,0	3320,0	723,3	1078,0	1344,0	1790,0	2070,0	1301,0	1738,0	1854,0
SEER	(1) (2)	-	8,22	8,41	8,83	8,74	8,57	8,16	8,30	8,92	8,47	8,50
Performance η_s	(1) (3)	%	321,0	328,0	345,0	342,0	335,0	318,0	324,0	349,0	331,0	332,0
TX-W-G05			3C2B	3D00	3D1A	3D1C	3D2C	3D3C	4B00	4B1A	4B2A	4C00
Prated,c	(1)	kW	2277,0	2043,0	2326,0	2536,0	3027,0	3518,0	1443,0	1918,0	2200,0	1488,0
SEER	(1) (2)	-	8,39	8,05	7,97	8,21	8,09	8,42	8,60	8,23	8,33	9,12
Performance η_s	(1) (3)	%	328,0	314,0	311,0	320,0	316,0	329,0	336,0	321,0	325,0	357,0
TX-W-G05			4C1B	4D00	4D1C	4D2C	5B00	5B1A	5C00	5C1B	5D00	5D1C
Prated,c	(1)	kW	2349,0	2733,0	3233,0	3724,0	2046,0	2319,0	2421,0	2835,0	3426,0	3901,0
SEER	(1) (2)	-	8,41	7,97	8,04	8,24	8,23	8,35	8,50	8,54	7,95	8,23
Performance η_s	(1) (3)	%	328,0	311,0	314,0	322,0	321,0	326,0	332,0	334,0	310,0	321,0
TX-W-G05			6B00	6C00	6D00							
Prated,c	(1)	kW	2434,0	2919,0	4092,0							
SEER	(1) (2)	-	8,33	8,57	8,12							
Performance η_s	(1) (3)	%	325,0	335,0	317,0							

Notes:

(1) Parameter calculated according to [REGULATION (EU) N. 2016/2281]

(2) Seasonal energy efficiency ratio

(3) Seasonal space cooling energy efficiency

The units highlighted in this publication contain R513A [GWP₁₀₀ 631] fluorinated greenhouse gases.

Certified data in EUROVENT