



Outdoor unit for the production of chilled water with semi-hermetic screw compressors optimized for R513A, axial-flow fans, micro-channel full-aluminum condensing coils, single-pass shell and tubes evaporator designed by Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A. and electronic expansion valve.

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

Flexible and reliable unit; it easily adapts itself to different thermal load conditions thanks to the precise thermoregulation and the accurate sizing of all internal components.

The compressors feature an enhanced lubrication system, an innovative internal geometry and a different control of capacity steps. Innovations that grant a remarkable performance improvement especially at partial loads.

Control



W3000TE

W3000TE control is available with the new KIPLink user interface. Based on WiFi technology, it 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 the status of the various components and display / reset the alarms. As alternatives, the Touch interface, with a 7" WVGA colour display and USB port, or the Large keyboard, with a wide LCD display and led icons, are available. Temperature control characterized by the continuous capacity modulation, based on PID algorithms with dynamic neutral zone related to the leaving water temperature. Complete alarm management system is available, with the "black-box" and the alarm history display functions.

Consumption metering and performance measurement are possible and supervision can be developed via proprietary devices or the integration in third party systems by means of the most common protocols ModBus, Bacnet, Bacnet-over-IP, LonWorks. Compatibility with remote keyboard (up to 8 units). The programmable timer manages a weekly schedule organized into time bands (up to 10 daily time bands associated with different operating set points) to optimise unit performance by minimising power consumption during periods of inactivity. As an option (VPF package), the capacity modulation is integrated with the modulation of the water flow, by means of inverter and dedicated resources for the hydraulic circuit.

Refrigerant



Versions

K	Standard efficiency	SL-CA	Super low noise, high efficiency
SL-K	Super low noise, standard efficiency	E	Very high efficiency
CA	High efficiency	SL-E	Super low noise, very high efficiency

Configurations

-	Basic function	R	Total condensing heat recovery function
D	Partial condensing heat recovery function		

Features

LOW GWP REFRIGERANT

New generation refrigerant R513A, with reduced greenhouse effect in comparison with traditional HFC refrigerants (Global Warming Potential GWP of R513A = 572, GWP of R134a = 1300 as per IPCC rev. 5th) and zero impact on the ozone layer. Not flammable (ASHRAE 34, ISO 817: class A1).

HIGH EFFICIENCY

Very high efficiency at full and partial load, at the highest market levels, thanks to the adopted technological solutions. These units ensure low operating costs and therefore a quick payback time.

EXTREMELY SILENT OPERATION

As the result of a systematic design oriented to minimize the noise level, the silenced version units give the best combination of quietness and efficiency on the market.

FLEXIBILITY

Flexibility in the applications thanks to the many configurations and versions available.

WIDE OPERATING RANGE

The accurate condensation control (variable fan speed regulation as per standard on every model) and devoted kits allow unit's operation from -10°C (-20°C with accessories) to 50°C (54°C with accessories) of outdoor air temperature and from -8°C to 18°C (20°C with accessories) of evaporator leaving water temperature.

ALUMINIUM MICRO-CHANNEL HEAT EXCHANGERS

The full aluminium micro-channel condenser coils deliver high efficiency whilst ensuring a reduced refrigerant volume and a lower unit weight. The e-coating protection (optional) grants the highest level of resistance to corrosion in any condition, even in the most aggressive environments.

INTEGRATED HYDRONIC GROUP

The built-in hydronic group (optional) includes the main water circuit components. The 2 pumps are in twin configuration and available with 2 or 4-pole motor, fixed or variable speed, high or low head, to satisfy the different installation requirements.

Accessories

- Noise reducer (only on not silenced versions)
- EC fans with electronic DC brushless motor
- Microchannel coils with e-coating protection
- Traditional coils with copper tubes and aluminium fins, also available with prepainted fins or Fin Guard Silver protective treatment.
- Compressor enclosure (standard on silenced versions)
- Leak detector
- Kit HT to increase the unit operating range
- Compressor power factor correction
- Soft start
- Hydronic group
- VPF (Variable Primary Flow) system
- Set-up for remote connectivity with ModBus, Echelon, Bacnet, Bacnet over-IP.
- Remote control keyboard (distance to 200m and to 500m)

FX-G05 /K		1502	1702	1902	1922	2202	2602	2652	2702	2722
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) kW	299,6	325,8	383,2	432,0	480,6	533,4	558,7	600,7	658,3
Total power input	(1) kW	104,7	122,0	136,1	149,4	176,5	192,9	202,0	212,1	244,6
EER	(1) kW/kW	2,862	2,670	2,816	2,892	2,723	2,765	2,766	2,832	2,691
ESEER	(1) kW/kW	4,170	4,160	4,210	4,230	4,170	4,230	4,250	4,220	4,210
COOLING ONLY (EN14511 VALUE)										
Cooling capacity	(1)(2) kW	298,9	324,9	382,1	430,5	479,3	531,7	557,1	598,8	656,3
EER	(1)(2) kW/kW	2,840	2,640	2,780	2,850	2,700	2,730	2,740	2,800	2,660
ESEER	(1)(2) kW/kW	4,050	4,030	4,060	4,060	4,030	4,070	4,110	4,060	4,060
Cooling energy class		C	D	C	C	C	C	C	C	D
ENERGY EFFICIENCY										
SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)										
Ambient refrigeration										
Prated,c	(7) kW	299	325	382	430	479	532	557	599	656
SEER	(7)(8)	4,07	4,03	4,09	4,11	4,10	4,10	4,10	4,11	4,10
Performance ηs	(7)(9) %	160	158	160	161	161	161	161	161	161
EXCHANGERS										
HEAT EXCHANGER USER SIDE IN REFRIGERATION										
Water flow	(1) l/s	14,33	15,58	18,32	20,66	22,98	25,51	26,72	28,73	31,48
Pressure drop	(1) kPa	23,9	28,3	33,6	42,7	32,3	39,8	34,9	40,3	38,5
REFRIGERANT CIRCUIT										
Compressors nr.	N°	2	2	2	2	2	2	2	2	2
No. Circuits	N°	2	2	2	2	2	2	2	2	2
Refrigerant charge	kg	51,0	54,0	63,0	72,0	79,0	87,0	92,0	101	108
NOISE LEVEL										
Sound Pressure	(3) dB(A)	67	67	67	68	68	68	68	68	70
Sound power level in cooling	(4)(5) dB(A)	99	99	99	100	100	100	100	100	102
SIZE AND WEIGHT										
A	(6) mm	2750	2750	4000	4000	4000	5250	5250	5250	5250
B	(6) mm	2260	2260	2260	2260	2260	2260	2260	2260	2260
H	(6) mm	2500	2500	2500	2500	2500	2500	2500	2500	2500
Operating weight	(6) kg	3160	3170	3720	3810	4610	5060	5060	5130	5520

FX-G05 /K		3152	3602	3902	4202	4502	4802	4812	4822	5412
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) kW	725,4	802,7	871,9	926,5	982,4	1021	1059	1146	1176
Total power input	(1) kW	260,4	278,6	301,8	322,7	351,1	377,8	362,3	405,4	433,0
EER	(1) kW/kW	2,786	2,881	2,889	2,871	2,798	2,702	2,923	2,827	2,716
ESEER	(1) kW/kW	4,200	4,180	4,180	4,200	4,180	4,190	4,200	4,230	4,190
COOLING ONLY (EN14511 VALUE)										
Cooling capacity	(1)(2) kW	722,9	800,2	869,2	923,3	979,4	1018	1055	1142	1172
EER	(1)(2) kW/kW	2,750	2,850	2,850	2,830	2,770	2,670	2,880	2,790	2,680
ESEER	(1)(2) kW/kW	4,030	4,020	4,020	4,030	4,030	4,020	4,030	4,050	4,040
Cooling energy class		C	C	C	C	C	D	C	C	D
ENERGY EFFICIENCY										
SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)										
Ambient refrigeration										
Prated,c	(7) kW	723	800	869	923	979	1018	1055	1142	1172
SEER	(7)(8)	4,10	4,11	4,10	4,10	4,11	4,10	4,11	4,11	4,10
Performance ηs	(7)(9) %	161	161	161	161	161	161	161	162	161
EXCHANGERS										
HEAT EXCHANGER USER SIDE IN REFRIGERATION										
Water flow	(1) l/s	34,69	38,39	41,70	44,31	46,98	48,82	50,65	54,81	56,25
Pressure drop	(1) kPa	46,8	40,9	42,6	48,1	41,8	45,1	48,5	53,3	42,2
REFRIGERANT CIRCUIT										
Compressors nr.	N°	2	2	2	2	2	2	2	2	2
No. Circuits	N°	2	2	2	2	2	2	2	2	2
Refrigerant charge	kg	120	135	146	155	161	168	174	189	193
NOISE LEVEL										
Sound Pressure	(3) dB(A)	69	69	70	70	71	71	71	71	72
Sound power level in cooling	(4)(5) dB(A)	102	102	103	103	104	104	104	104	105
SIZE AND WEIGHT										
A	(6) mm	6500	6500	7750	7750	7750	7750	9000	9000	9150
B	(6) mm	2260	2260	2260	2260	2260	2260	2260	2260	2260
H	(6) mm	2500	2500	2500	2500	2500	2500	2500	2500	2500
Operating weight	(6) kg	6450	6940	7440	7560	7790	7820	8250	8370	8660

Notes

- Plant (side) cooling exchanger water (in/out) 12°C/7°C; Source (side) heat exchanger air (in) 35°C.
- Values in compliance with EN14511
- Average sound pressure level at 10m 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, outdoors.
- Unit in standard configuration/execution, without optional accessories.
- 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 R513A [GWP₁₀₀ 631] fluorinated greenhouse gases.
Certified data in EUROVENT

FX-G05 /K		6002	6022	6303	6903	7203	7213	7223
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
PERFORMANCE								
COOLING ONLY (GROSS VALUE)								
Cooling capacity	(1) kW	1239	1303	1401	1481	1547	1654	1710
Total power input	(1) kW	443,8	485,7	485,8	535,1	569,7	593,7	619,2
EER	(1) kW/kW	2,792	2,683	2,884	2,768	2,715	2,786	2,762
ESEER	(1) kW/kW	4,190	4,220	4,190	4,200	4,160	4,200	4,230
COOLING ONLY (EN14511 VALUE)								
Cooling capacity	(1)(2) kW	1235	1298	1397	1476	1543	1649	1704
EER	(1)(2) kW/kW	2,760	2,650	2,850	2,730	2,690	2,750	2,730
ESEER	(1)(2) kW/kW	4,030	4,040	4,030	4,030	4,020	4,040	4,050
Cooling energy class		C	D	C	C	D	C	C
ENERGY EFFICIENCY								
SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)								
Ambient refrigeration								
Prated,c	(7) kW	1235	1298	1397	1476	1543	1649	1704
SEER	(7)(8)	4,10	4,10	4,12	4,11	4,10	4,12	4,13
Performance ηs	(7)(9) %	161	161	162	162	161	162	162
EXCHANGERS								
HEAT EXCHANGER USER SIDE IN REFRIGERATION								
Water flow	(1) l/s	59,26	62,29	67,01	70,81	74,00	79,11	81,79
Pressure drop	(1) kPa	46,9	51,8	45,4	50,7	39,0	44,6	51,2
REFRIGERANT CIRCUIT								
Compressors nr.	N°	2	2	3	3	3	3	3
No. Circuits	N°	2	2	3	3	3	3	3
Refrigerant charge	kg	208	214	236	244	254	273	288
NOISE LEVEL								
Sound Pressure	(3) dB(A)	73	73	73	73	73	73	73
Sound power level in cooling	(4)(5) dB(A)	106	106	106	106	106	106	106
SIZE AND WEIGHT								
A	(6) mm	10400	10400	11650	11650	11650	12900	12900
B	(6) mm	2260	2260	2260	2260	2260	2260	2260
H	(6) mm	2500	2500	2500	2500	2500	2500	2500
Operating weight	(6) kg	9200	9310	11880	11940	11950	12490	12570

Notes

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FX-G05 /SL-K		1502	1702	1902	1922	2202	2602	2652	2702	2722
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) kW	288,5	333,4	381,6	418,7	476,0	518,6	556,0	578,5	663,2
Total power input	(1) kW	105,5	117,7	131,2	152,3	168,2	182,0	199,9	216,1	232,1
EER	(1) kW/kW	2,735	2,833	2,909	2,749	2,830	2,849	2,781	2,677	2,857
ESEER	(1) kW/kW	4,140	4,160	4,190	4,220	4,190	4,250	4,230	4,220	4,180
COOLING ONLY (EN14511 VALUE)										
Cooling capacity	(1)(2) kW	287,8	332,5	380,5	417,3	474,7	517,0	554,4	576,8	661,2
EER	(1)(2) kW/kW	2,710	2,800	2,880	2,720	2,800	2,820	2,750	2,650	2,820
ESEER	(1)(2) kW/kW	4,020	4,030	4,050	4,050	4,050	4,090	4,090	4,070	4,030
Cooling energy class		C	C	C	C	C	C	C	D	C
ENERGY EFFICIENCY										
SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)										
Ambient refrigeration										
Prated,c	(7) kW	288	332	380	417	475	517	554	577	661
SEER	(7)(8) kW/kW	4,02	4,04	4,10	4,10	4,11	4,10	4,10	4,11	4,10
Performance ηs	(7)(9) %	158	159	161	161	161	161	161	161	161
EXCHANGERS										
HEAT EXCHANGER USER SIDE IN REFRIGERATION										
Water flow	(1) l/s	13,80	15,94	18,25	20,02	22,76	24,80	26,59	27,66	31,72
Pressure drop	(1) kPa	22,2	29,6	33,3	40,1	31,7	37,6	34,5	37,4	39,1
REFRIGERANT CIRCUIT										
Compressors nr.	N°	2	2	2	2	2	2	2	2	2
No. Circuits	N°	2	2	2	2	2	2	2	2	2
Refrigerant charge	kg	51,0	59,0	67,0	72,0	83,0	91,0	97,0	101	116
NOISE LEVEL										
Sound Pressure	(3) dB(A)	55	55	56	56	57	57	57	57	57
Sound power level in cooling	(4)(5) dB(A)	87	87	88	88	89	89	89	89	90
SIZE AND WEIGHT										
A	(6) mm	2750	4000	4000	4000	5250	5250	5250	5250	6500
B	(6) mm	2260	2260	2260	2260	2260	2260	2260	2260	2260
H	(6) mm	2500	2500	2500	2500	2500	2500	2500	2500	2500
Operating weight	(6) kg	3420	4160	4230	4230	5200	5560	5580	5620	6610

FX-G05 /SL-K		3152	3602	3902	4202	4502	4802	4812	4822	5412
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) kW	716,6	770,8	838,7	892,9	964,9	1021	1052	1137	1169
Total power input	(1) kW	257,3	283,3	307,1	328,4	349,6	368,2	355,4	396,9	424,6
EER	(1) kW/kW	2,785	2,721	2,731	2,719	2,760	2,773	2,960	2,865	2,753
ESEER	(1) kW/kW	4,200	4,170	4,190	4,200	4,180	4,200	4,200	4,210	4,180
COOLING ONLY (EN14511 VALUE)										
Cooling capacity	(1)(2) kW	714,1	768,6	836,2	890,0	962,1	1018	1048	1133	1166
EER	(1)(2) kW/kW	2,750	2,690	2,700	2,690	2,730	2,740	2,920	2,830	2,720
ESEER	(1)(2) kW/kW	4,030	4,030	4,040	4,030	4,030	4,030	4,030	4,030	4,030
Cooling energy class		C	D	C	D	C	C	B	C	C
ENERGY EFFICIENCY										
SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)										
Ambient refrigeration										
Prated,c	(7) kW	714	769	836	890	962	1018	1048	1133	1166
SEER	(7)(8) kW/kW	4,10	4,11	4,10	4,10	4,11	4,10	4,11	4,11	4,11
Performance ηs	(7)(9) %	161	161	161	161	162	161	162	161	162
EXCHANGERS										
HEAT EXCHANGER USER SIDE IN REFRIGERATION										
Water flow	(1) l/s	34,27	36,86	40,11	42,70	46,14	48,85	50,30	54,38	55,91
Pressure drop	(1) kPa	45,7	37,7	39,4	44,7	40,3	45,2	47,9	52,5	41,7
REFRIGERANT CIRCUIT										
Compressors nr.	N°	2	2	2	2	2	2	2	2	2
No. Circuits	N°	2	2	2	2	2	2	2	2	2
Refrigerant charge	kg	125	135	146	155	168	178	183	198	204
NOISE LEVEL										
Sound Pressure	(3) dB(A)	58	58	59	59	60	60	61	61	61
Sound power level in cooling	(4)(5) dB(A)	91	91	92	92	93	93	94	94	94
SIZE AND WEIGHT										
A	(6) mm	6500	6500	7750	7750	9000	9000	10250	10250	10400
B	(6) mm	2260	2260	2260	2260	2260	2260	2260	2260	2260
H	(6) mm	2500	2500	2500	2500	2500	2500	2500	2500	2500
Operating weight	(6) kg	7080	7550	8090	8200	9000	8870	9360	9470	9780

Notes

- Plant (side) cooling exchanger water (in/out) 12°C/7°C; Source (side) heat exchanger air (in) 35°C.
- Values in compliance with EN14511
- Average sound pressure level at 10m 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, outdoors.
- Unit in standard configuration/execution, without optional accessories.
- Parameter calculated according to [REGULATION (EU) N. 2016/2281]
- Seasonal energy efficiency ratio
- Seasonal space cooling energy efficiency

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FX-G05 /SL-K		6002	6022	6303	6903	7203	7213	7223
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
PERFORMANCE								
COOLING ONLY (GROSS VALUE)								
Cooling capacity	(1) kW	1194	1289	1350	1463	1530	1595	1649
Total power input	(1) kW	451,2	478,6	494,5	531,6	563,4	607,6	635,5
EER	(1) kW/kW	2,646	2,693	2,730	2,752	2,716	2,625	2,595
ESEER	(1) kW/kW	4,180	4,220	4,180	4,200	4,160	4,170	4,180
COOLING ONLY (EN14511 VALUE)								
Cooling capacity	(1)(2) kW	1190	1285	1346	1458	1526	1590	1644
EER	(1)(2) kW/kW	2,620	2,660	2,700	2,720	2,690	2,600	2,570
ESEER	(1)(2) kW/kW	4,020	4,040	4,030	4,030	4,030	4,030	4,020
Cooling energy class		D	D	C	C	D	D	D
ENERGY EFFICIENCY								
SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)								
Ambient refrigeration								
Prated,c	(7) kW	1190	1285	1346	1458	1526	1590	1644
SEER	(7)(8)	4,10	4,12	4,11	4,11	4,12	4,11	4,10
Performance ηs	(7)(9) %	161	162	161	161	162	161	161
EXCHANGERS								
HEAT EXCHANGER USER SIDE IN REFRIGERATION								
Water flow	(1) l/s	57,11	61,64	64,56	69,97	73,16	76,27	78,86
Pressure drop	(1) kPa	43,5	50,7	42,1	49,5	38,2	41,5	47,6
REFRIGERANT CIRCUIT								
Compressors nr.	N°	2	2	3	3	3	3	3
No. Circuits	N°	2	2	3	3	3	3	3
Refrigerant charge	kg	208	224	236	255	267	278	288
NOISE LEVEL								
Sound Pressure	(3) dB(A)	61	61	61	61	61	61	62
Sound power level in cooling	(4)(5) dB(A)	94	94	94	94	94	94	95
SIZE AND WEIGHT								
A	(6) mm	10400	11650	11650	12900	12900	12900	12900
B	(6) mm	2260	2260	2260	2260	2260	2260	2260
H	(6) mm	2500	2500	2500	2500	2500	2500	2500
Operating weight	(6) kg	9860	10420	12810	13340	13340	13420	13500

Notes

- Plant (side) cooling exchanger water (in/out) 12°C/7°C; Source (side) heat exchanger air (in) 35°C.
- Values in compliance with EN14511
- Average sound pressure level at 10m 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, outdoors.
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- Seasonal energy efficiency ratio
- Seasonal space cooling energy efficiency

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

FX-G05 /CA			1502	1702	1902	1922	2202	2602	2652
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
PERFORMANCE									
COOLING ONLY (GROSS VALUE)									
Cooling capacity	(1)	kW	302,4	349,6	395,0	461,7	513,2	551,4	590,7
Total power input	(1)	kW	99,27	112,9	130,0	149,8	166,3	182,0	191,9
EER	(1)	kW/kW	3,045	3,097	3,038	3,082	3,086	3,030	3,078
ESEER	(1)	kW/kW	4,290	4,310	4,310	4,280	4,310	4,310	4,320
COOLING ONLY (EN14511 VALUE)									
Cooling capacity	(1)(2)	kW	301,6	348,6	393,8	460,5	511,7	549,9	588,9
EER	(1)(2)	kW/kW	3,010	3,060	3,000	3,050	3,050	3,000	3,040
ESEER	(1)(2)	kW/kW	4,150	4,160	4,150	4,150	4,160	4,170	4,160
Cooling energy class			B	B	B	B	B	B	B
ENERGY EFFICIENCY									
SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)									
Ambient refrigeration									
Prated,c	(7)	kW	302	349	394	460	512	550	589
SEER	(7)(8)		4,21	4,21	4,20	4,21	4,22	4,16	4,16
Performance ηs	(7)(9)	%	166	166	165	166	166	163	164
EXCHANGERS									
HEAT EXCHANGER USER SIDE IN REFRIGERATION									
Water flow	(1)	l/s	14,46	16,72	18,89	22,08	24,54	26,37	28,25
Pressure drop	(1)	kPa	24,4	32,6	35,7	29,8	36,8	34,0	39,0
REFRIGERANT CIRCUIT									
Compressors nr.		N°	2	2	2	2	2	2	2
No. Circuits		N°	2	2	2	2	2	2	2
Refrigerant charge		kg	55,0	62,0	67,0	78,0	91,0	93,0	100
NOISE LEVEL									
Sound Pressure	(3)	dB(A)	66	66	67	67	68	68	68
Sound power level in cooling	(4)(5)	dB(A)	98	98	99	99	100	100	101
SIZE AND WEIGHT									
A	(6)	mm	4000	4000	4000	5250	5250	5250	6500
B	(6)	mm	2260	2260	2260	2260	2260	2260	2260
H	(6)	mm	2500	2500	2500	2500	2500	2500	2500
Operating weight	(6)	kg	3660	3720	3760	4660	5040	5090	5830

FX-G05 /CA			2702	2722	3152	3602	3902	4202	4502
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
PERFORMANCE									
COOLING ONLY (GROSS VALUE)									
Cooling capacity	(1)	kW	628,7	683,7	766,2	837,8	904,7	956,0	1031
Total power input	(1)	kW	203,9	226,5	251,5	270,8	291,1	311,7	333,0
EER	(1)	kW/kW	3,083	3,019	3,047	3,094	3,108	3,067	3,096
ESEER	(1)	kW/kW	4,310	4,330	4,310	4,300	4,320	4,330	4,310
COOLING ONLY (EN14511 VALUE)									
Cooling capacity	(1)(2)	kW	626,6	681,5	764,0	835,0	901,7	952,5	1028
EER	(1)(2)	kW/kW	3,040	2,980	3,010	3,050	3,070	3,020	3,060
ESEER	(1)(2)	kW/kW	4,140	4,160	4,150	4,130	4,140	4,140	4,140
Cooling energy class			B	B	B	B	B	B	B
ENERGY EFFICIENCY									
SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)									
Ambient refrigeration									
Prated,c	(7)	kW	627	682	764	835	902	952	1028
SEER	(7)(8)		4,19	4,22	4,24	4,21	4,23	4,22	4,22
Performance ηs	(7)(9)	%	165	166	167	165	166	166	166
EXCHANGERS									
HEAT EXCHANGER USER SIDE IN REFRIGERATION									
Water flow	(1)	l/s	30,07	32,70	36,64	40,06	43,26	45,72	49,29
Pressure drop	(1)	kPa	44,2	41,6	37,2	44,5	45,8	51,2	46,0
REFRIGERANT CIRCUIT									
Compressors nr.		N°	2	2	2	2	2	2	2
No. Circuits		N°	2	2	2	2	2	2	2
Refrigerant charge		kg	106	115	130	141	153	162	174
NOISE LEVEL									
Sound Pressure	(3)	dB(A)	68	68	68	69	69	70	70
Sound power level in cooling	(4)(5)	dB(A)	101	101	101	102	102	103	103
SIZE AND WEIGHT									
A	(6)	mm	6500	6500	7750	7750	9000	9000	10400
B	(6)	mm	2260	2260	2260	2260	2260	2260	2260
H	(6)	mm	2500	2500	2500	2500	2500	2500	2500
Operating weight	(6)	kg	5690	6110	6970	7440	7890	8000	8700

Notes

- Plant (side) cooling exchanger water (in/out) 12°C/7°C; Source (side) heat exchanger air (in) 35°C.
- Values in compliance with EN14511
- Average sound pressure level at 10m 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, outdoors.
- Unit in standard configuration/execution, without optional accessories.
- Parameter calculated according to [REGULATION (EU) N. 2016/2281]
- Seasonal energy efficiency ratio
- Seasonal space cooling energy efficiency

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FX-G05 /CA		4802	4822	5412	5703	6303	6603
Power supply	V/ph/Hz	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) kW	1098	1177	1236	1342	1460	1521
Total power input	(1) kW	353,4	390,4	406,9	431,5	477,7	504,8
EER	(1) kW/kW	3,107	3,015	3,038	3,110	3,056	3,013
ESEER	(1) kW/kW	4,340	4,310	4,330	4,270	4,290	4,300
COOLING ONLY (EN14511 VALUE)							
Cooling capacity	(1)(2) kW	1094	1173	1232	1338	1456	1517
EER	(1)(2) kW/kW	3,060	2,980	3,000	3,070	3,030	2,980
ESEER	(1)(2) kW/kW	4,160	4,160	4,160	4,120	4,160	4,160
Cooling energy class		B	B	B	B	B	B
ENERGY EFFICIENCY							
SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)							
Ambient refrigeration							
Prated,c	(7) kW	1094	1173	1232	1338	1456	1517
SEER	(7)(8)	4,25	4,24	4,25	4,25	4,25	4,27
Performance ηs	(7)(9) %	167	167	167	167	167	168
EXCHANGERS							
HEAT EXCHANGER USER SIDE IN REFRIGERATION							
Water flow	(1) l/s	52,53	56,31	59,13	64,17	69,81	72,73
Pressure drop	(1) kPa	50,1	42,3	46,7	41,6	34,7	37,7
REFRIGERANT CIRCUIT							
Compressors nr.	N°	2	2	2	3	3	3
No. Circuits	N°	2	2	2	3	3	3
Refrigerant charge	kg	185	199	209	227	260	258
NOISE LEVEL							
Sound Pressure	(3) dB(A)	70	70	71	71	71	71
Sound power level in cooling	(4)(5) dB(A)	103	103	104	104	104	104
SIZE AND WEIGHT							
A	(6) mm	10400	10400	11650	12900	12900	12900
B	(6) mm	2260	2260	2260	2260	2260	2260
H	(6) mm	2500	2500	2500	2500	2500	2500
Operating weight	(6) kg	8780	9040	10120	12160	12330	12640

Notes

- Plant (side) cooling exchanger water (in/out) 12°C/7°C; Source (side) heat exchanger air (in) 35°C.
- Values in compliance with EN14511
- Average sound pressure level at 10m 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, outdoors.
- Unit in standard configuration/execution, without optional accessories.
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FX-G05 /SL-CA			1502	1702	1902	1922	2202	2602	2652
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
PERFORMANCE									
COOLING ONLY (GROSS VALUE)									
Cooling capacity	(1)	kW	304,2	344,9	394,3	450,1	500,7	560,7	582,8
Total power input	(1)	kW	98,67	112,2	126,9	149,7	166,1	185,7	189,1
EER	(1)	kW/kW	3,082	3,074	3,107	3,007	3,014	3,019	3,082
ESEER	(1)	kW/kW	4,290	4,310	4,320	4,250	4,300	4,310	4,300
COOLING ONLY (EN14511 VALUE)									
Cooling capacity	(1)(2)	kW	303,4	343,9	393,1	449,0	499,3	559,1	581,0
EER	(1)(2)	kW/kW	3,050	3,040	3,070	2,980	2,980	2,990	3,040
ESEER	(1)(2)	kW/kW	4,160	4,160	4,160	4,130	4,160	4,150	4,150
Cooling energy class			B	B	B	B	B	B	B
ENERGY EFFICIENCY									
SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)									
Ambient refrigeration									
Prated,c	(7)	kW	303	344	393	449	499	559	581
SEER	(7)(8)		4,22	4,21	4,20	4,19	4,22	4,22	4,18
Performance ηs	(7)(9)	%	166	165	165	165	166	166	164
EXCHANGERS									
HEAT EXCHANGER USER SIDE IN REFRIGERATION									
Water flow	(1)	l/s	14,55	16,49	18,85	21,53	23,94	26,81	27,87
Pressure drop	(1)	kPa	24,7	31,7	35,6	28,3	35,1	35,1	38,0
REFRIGERANT CIRCUIT									
Compressors nr.		N°	2	2	2	2	2	2	2
No. Circuits		N°	2	2	2	2	2	2	2
Refrigerant charge		kg	55,0	62,0	71,0	82,0	91,0	101	106
NOISE LEVEL									
Sound Pressure	(3)	dB(A)	55	56	56	57	57	57	58
Sound power level in cooling	(4)(5)	dB(A)	87	88	88	89	89	90	91
SIZE AND WEIGHT									
A	(6)	mm	4000	4000	5250	5250	5250	6500	6500
B	(6)	mm	2260	2260	2260	2260	2260	2260	2260
H	(6)	mm	2500	2500	2500	2500	2500	2500	2500
Operating weight	(6)	kg	4130	4190	4680	5140	5520	6140	6390

FX-G05 /SL-CA			2702	2722	3152	3602	3902	4202	4502
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
PERFORMANCE									
COOLING ONLY (GROSS VALUE)									
Cooling capacity	(1)	kW	615,6	680,7	754,1	819,3	899,1	947,9	1020
Total power input	(1)	kW	204,4	221,1	246,8	262,5	285,1	305,7	327,1
EER	(1)	kW/kW	3,012	3,079	3,056	3,121	3,154	3,101	3,118
ESEER	(1)	kW/kW	4,290	4,330	4,300	4,290	4,300	4,330	4,300
COOLING ONLY (EN14511 VALUE)									
Cooling capacity	(1)(2)	kW	613,9	678,5	752,0	816,7	896,1	944,5	1017
EER	(1)(2)	kW/kW	2,980	3,040	3,020	3,080	3,110	3,060	3,080
ESEER	(1)(2)	kW/kW	4,150	4,160	4,160	4,120	4,130	4,140	4,140
Cooling energy class			B	B	B	B	A	B	B
ENERGY EFFICIENCY									
SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)									
Ambient refrigeration									
Prated,c	(7)	kW	614	678	752	817	896	944	1017
SEER	(7)(8)		4,22	4,24	4,25	4,21	4,23	4,23	4,24
Performance ηs	(7)(9)	%	166	166	167	166	166	166	167
EXCHANGERS									
HEAT EXCHANGER USER SIDE IN REFRIGERATION									
Water flow	(1)	l/s	29,44	32,55	36,06	39,18	43,00	45,33	48,80
Pressure drop	(1)	kPa	33,7	41,2	36,1	42,6	45,3	50,3	45,1
REFRIGERANT CIRCUIT									
Compressors nr.		N°	2	2	2	2	2	2	2
No. Circuits		N°	2	2	2	2	2	2	2
Refrigerant charge		kg	112	123	136	148	162	171	184
NOISE LEVEL									
Sound Pressure	(3)	dB(A)	58	59	59	59	59	60	60
Sound power level in cooling	(4)(5)	dB(A)	91	92	92	92	92	93	93
SIZE AND WEIGHT									
A	(6)	mm	6500	7750	7750	9000	10250	10250	11650
B	(6)	mm	2260	2260	2260	2260	2260	2260	2260
H	(6)	mm	2500	2500	2500	2500	2500	2500	2500
Operating weight	(6)	kg	6520	7150	7610	8500	8990	9280	9810

Notes

- Plant (side) cooling exchanger water (in/out) 12°C/7°C; Source (side) heat exchanger air (in) 35°C.
- Values in compliance with EN14511
- Average sound pressure level at 10m 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, outdoors.
- Unit in standard configuration/execution, without optional accessories.
- Parameter calculated according to [REGULATION (EU) N. 2016/2281]
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FX-G05 /SL-CA		4802	4822	5412	5703	6303
Power supply	V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
PERFORMANCE						
COOLING ONLY (GROSS VALUE)						
Cooling capacity	(1) kW	1086	1163	1219	1310	1442
Total power input	(1) kW	347,6	384,6	401,4	426,7	479,4
EER	(1) kW/kW	3,124	3,024	3,037	3,070	3,008
ESEER	(1) kW/kW	4,330	4,310	4,330	4,280	4,280
COOLING ONLY (EN14511 VALUE)						
Cooling capacity	(1)(2) kW	1082	1160	1215	1306	1439
EER	(1)(2) kW/kW	3,080	2,990	3,000	3,030	2,980
ESEER	(1)(2) kW/kW	4,150	4,160	4,160	4,130	4,150
Cooling energy class		B	B	B	B	B
ENERGY EFFICIENCY						
SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)						
Ambient refrigeration						
Prated,c	(7) kW	1082	1160	1215	1306	1439
SEER	(7)(8)	4,25	4,26	4,26	4,25	4,25
Performance ηs	(7)(9) %	167	167	167	167	167
EXCHANGERS						
HEAT EXCHANGER USER SIDE IN REFRIGERATION						
Water flow	(1) l/s	51,94	55,63	58,31	62,64	68,95
Pressure drop	(1) kPa	48,9	41,3	45,4	39,7	33,9
REFRIGERANT CIRCUIT						
Compressors nr.	N°	2	2	2	3	3
No. Circuits	N°	2	2	2	3	3
Refrigerant charge	kg	197	210	220	237	260
NOISE LEVEL						
Sound Pressure	(3) dB(A)	60	60	62	62	62
Sound power level in cooling	(4)(5) dB(A)	93	93	95	95	95
SIZE AND WEIGHT						
A	(6) mm	11650	11650	12900	12900	12900
B	(6) mm	2260	2260	2260	2260	2260
H	(6) mm	2500	2500	2500	2500	2500
Operating weight	(6) kg	9890	10230	10760	13130	13260

Notes

- Plant (side) cooling exchanger water (in/out) 12°C/7°C; Source (side) heat exchanger air (in) 35°C.
- Values in compliance with EN14511
- Average sound pressure level at 10m 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, outdoors.
- Unit in standard configuration/execution, without optional accessories.
- Parameter calculated according to [REGULATION (EU) N. 2016/2281]
- Seasonal energy efficiency ratio
- Seasonal space cooling energy efficiency

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FX-G05 /E		1502	1702	1902	1922	2202	2602	2652	2702	2722
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) kW	316,5	362,6	413,8	451,2	530,5	575,8	612,9	649,8	703,3
Total power input	(1) kW	98,32	112,6	128,0	142,3	162,6	177,5	188,6	199,6	221,8
EER	(1) kW/kW	3,220	3,220	3,233	3,171	3,263	3,244	3,250	3,256	3,171
ESEER	(1) kW/kW	4,350	4,370	4,360	4,370	4,360	4,360	4,370	4,390	4,360
COOLING ONLY (EN14511 VALUE)										
Cooling capacity	(1)(2) kW	315,8	361,6	412,9	450,1	529,0	574,4	611,2	647,9	701,5
EER	(1)(2) kW/kW	3,190	3,180	3,200	3,140	3,220	3,210	3,210	3,220	3,140
ESEER	(1)(2) kW/kW	4,230	4,220	4,250	4,240	4,210	4,230	4,220	4,240	4,230
Cooling energy class		A	A	A	A	A	A	A	A	A
ENERGY EFFICIENCY										
SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)										
Ambient refrigeration										
Prated,c	(7) kW	316	362	413	450	529	574	611	648	702
SEER	(7)(8)	4,32	4,29	4,32	4,28	4,32	4,28	4,27	4,32	4,32
Performance ηs	(7)(9) %	170	168	170	168	170	168	168	170	170
EXCHANGERS										
HEAT EXCHANGER USER SIDE IN REFRIGERATION										
Water flow	(1) l/s	15,14	17,34	19,79	21,58	25,37	27,54	29,31	31,07	33,63
Pressure drop	(1) kPa	22,9	30,1	24,0	28,5	35,8	29,5	33,4	37,5	31,4
REFRIGERANT CIRCUIT										
Compressors nr.	N°	2	2	2	2	2	2	2	2	2
No. Circuits	N°	2	2	2	2	2	2	2	2	2
Refrigerant charge	kg	56,0	64,0	74,0	82,0	94,0	102	109	116	125
NOISE LEVEL										
Sound Pressure	(3) dB(A)	66	67	67	67	67	67	68	68	68
Sound power level in cooling	(4)(5) dB(A)	98	99	99	99	100	100	101	101	101
SIZE AND WEIGHT										
A	(6) mm	4000	5250	5250	5250	6500	6500	7750	7750	7750
B	(6) mm	2260	2260	2260	2260	2260	2260	2260	2260	2260
H	(6) mm	2500	2500	2500	2500	2500	2500	2500	2500	2500
Operating weight	(6) kg	3720	4240	4360	4420	5590	5920	6400	6490	6600

FX-G05 /E		3152	3602	3902	4202	4502	4802	4822	5412	
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	
PERFORMANCE										
COOLING ONLY (GROSS VALUE)										
Cooling capacity	(1) kW	785,8	854,0	931,3	986,6	1054	1123	1219	1277	
Total power input	(1) kW	245,6	266,4	288,3	309,5	330,1	350,9	388,4	407,4	
EER	(1) kW/kW	3,200	3,206	3,230	3,188	3,193	3,200	3,139	3,135	
ESEER	(1) kW/kW	4,350	4,370	4,420	4,380	4,400	4,400	4,330	4,350	
COOLING ONLY (EN14511 VALUE)										
Cooling capacity	(1)(2) kW	783,7	851,4	927,8	983,6	1051	1119	1216	1274	
EER	(1)(2) kW/kW	3,160	3,170	3,180	3,150	3,150	3,150	3,110	3,100	
ESEER	(1)(2) kW/kW	4,210	4,210	4,210	4,210	4,220	4,210	4,200	4,210	
Cooling energy class		A	A	A	A	A	A	A	A	
ENERGY EFFICIENCY										
SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)										
Ambient refrigeration										
Prated,c	(7) kW	784	851	928	984	1051	1119	1216	1274	
SEER	(7)(8)	4,32	4,33	4,33	4,32	4,32	4,31	4,32	4,35	
Performance ηs	(7)(9) %	170	170	170	170	170	169	170	171	
EXCHANGERS										
HEAT EXCHANGER USER SIDE IN REFRIGERATION										
Water flow	(1) l/s	37,58	40,84	44,54	47,18	50,39	53,70	58,31	61,05	
Pressure drop	(1) kPa	34,6	40,9	53,0	42,1	46,1	51,2	34,4	37,7	
REFRIGERANT CIRCUIT										
Compressors nr.	N°	2	2	2	2	2	2	2	2	
No. Circuits	N°	2	2	2	2	2	2	2	2	
Refrigerant charge	kg	140	152	166	176	187	200	217	228	
NOISE LEVEL										
Sound Pressure	(3) dB(A)	68	69	69	70	70	70	70	71	
Sound power level in cooling	(4)(5) dB(A)	101	102	102	103	103	103	103	104	
SIZE AND WEIGHT										
A	(6) mm	9000	9000	10250	10250	11650	11650	11650	12900	
B	(6) mm	2260	2260	2260	2260	2260	2260	2260	2260	
H	(6) mm	2500	2500	2500	2500	2500	2500	2500	2500	
Operating weight	(6) kg	7400	7880	8420	8660	9190	9270	10330	11170	

Notes

- Plant (side) cooling exchanger water (in/out) 12°C/7°C; Source (side) heat exchanger air (in) 35°C.
- Values in compliance with EN14511
- Average sound pressure level at 10m 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, outdoors.
- Unit in standard configuration/execution, without optional accessories.
- Parameter calculated according to [REGULATION (EU) N. 2016/2281]
- Seasonal energy efficiency ratio
- Seasonal space cooling energy efficiency

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FX-G05 /SL-E			1502	1702	1902	1922	2202	2602	2652	2702	2722
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)	kW	312,8	359,1	409,0	447,3	524,1	568,3	605,2	641,9	696,6
Total power input	(1)	kW	97,03	110,3	126,2	141,4	160,5	176,0	186,6	197,3	220,9
EER	(1)	kW/kW	3,225	3,256	3,241	3,163	3,265	3,229	3,243	3,253	3,153
ESEER	(1)	kW/kW	4,380	4,390	4,360	4,370	4,370	4,450	4,430	4,440	4,430
COOLING ONLY (EN14511 VALUE)											
Cooling capacity	(1)(2)	kW	312,1	358,1	408,1	446,2	522,6	566,9	603,6	640,0	694,9
EER	(1)(2)	kW/kW	3,190	3,220	3,210	3,130	3,230	3,200	3,210	3,210	3,120
ESEER	(1)(2)	kW/kW	4,260	4,250	4,250	4,240	4,220	4,320	4,290	4,280	4,290
Cooling energy class			A	A	A	A	A	A	A	A	A
ENERGY EFFICIENCY											
SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)											
Ambient refrigeration											
Prated,c	(7)	kW	312	358	408	446	523	567	604	640	695
SEER	(7)(8)		4,33	4,30	4,31	4,27	4,33	4,34	4,32	4,36	4,37
Performance ηs	(7)(9)	%	170	169	169	168	170	171	170	172	172
EXCHANGERS											
HEAT EXCHANGER USER SIDE IN REFRIGERATION											
Water flow	(1)	l/s	14,96	17,17	19,56	21,39	25,06	27,18	28,94	30,70	33,31
Pressure drop	(1)	kPa	22,4	29,5	23,4	28,0	34,9	28,7	32,6	36,6	30,8
REFRIGERANT CIRCUIT											
Compressors nr.		N°	2	2	2	2	2	2	2	2	2
No. Circuits		N°	2	2	2	2	2	2	2	2	2
Refrigerant charge		kg	56,0	64,0	74,0	82,0	94,0	102	109	116	125
NOISE LEVEL											
Sound Pressure	(3)	dB(A)	56	57	57	57	57	58	58	59	59
Sound power level in cooling	(4)(5)	dB(A)	88	89	89	89	90	91	91	92	92
SIZE AND WEIGHT											
A	(6)	mm	4000	5250	5250	5250	6500	6500	7750	7750	7750
B	(6)	mm	2260	2260	2260	2260	2260	2260	2260	2260	2260
H	(6)	mm	2500	2500	2500	2500	2500	2500	2500	2500	2500
Operating weight	(6)	kg	3960	4460	4620	4680	6120	6460	6940	7040	7140

FX-G05 /SL-E			3152	3602	3902	4202	4502	4802	4822	5412	
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	
PERFORMANCE											
COOLING ONLY (GROSS VALUE)											
Cooling capacity	(1)	kW	776,1	841,9	918,4	973,5	1040	1108	1205	1260	
Total power input	(1)	kW	244,2	264,3	286,4	307,9	328,4	349,1	389,0	406,2	
EER	(1)	kW/kW	3,178	3,185	3,207	3,162	3,167	3,174	3,098	3,102	
ESEER	(1)	kW/kW	4,400	4,410	4,460	4,420	4,410	4,410	4,360	4,370	
COOLING ONLY (EN14511 VALUE)											
Cooling capacity	(1)(2)	kW	774,1	839,4	915,0	970,6	1037	1104	1202	1257	
EER	(1)(2)	kW/kW	3,140	3,150	3,160	3,120	3,130	3,130	3,070	3,070	
ESEER	(1)(2)	kW/kW	4,260	4,250	4,260	4,260	4,240	4,220	4,240	4,230	
Cooling energy class			A	A	A	A	A	A	B	B	
ENERGY EFFICIENCY											
SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)											
Ambient refrigeration											
Prated,c	(7)	kW	774	839	915	971	1037	1104	1202	1257	
SEER	(7)(8)		4,35	4,36	4,36	4,35	4,33	4,32	4,35	4,36	
Performance ηs	(7)(9)	%	171	171	171	171	170	170	171	171	
EXCHANGERS											
HEAT EXCHANGER USER SIDE IN REFRIGERATION											
Water flow	(1)	l/s	37,11	40,26	43,92	46,55	49,72	52,98	57,62	60,28	
Pressure drop	(1)	kPa	33,7	39,7	51,5	41,0	44,9	49,8	33,6	36,7	
REFRIGERANT CIRCUIT											
Compressors nr.		N°	2	2	2	2	2	2	2	2	
No. Circuits		N°	2	2	2	2	2	2	2	2	
Refrigerant charge		kg	140	152	166	176	187	200	217	228	
NOISE LEVEL											
Sound Pressure	(3)	dB(A)	59	59	59	60	60	60	60	62	
Sound power level in cooling	(4)(5)	dB(A)	92	92	92	93	93	93	93	95	
SIZE AND WEIGHT											
A	(6)	mm	9000	9000	10250	10250	11650	11650	11650	12900	
B	(6)	mm	2260	2260	2260	2260	2260	2260	2260	2260	
H	(6)	mm	2500	2500	2500	2500	2500	2500	2500	2500	
Operating weight	(6)	kg	7990	8500	8990	9290	9830	9910	10900	11530	

Notes

- Plant (side) cooling exchanger water (in/out) 12°C/7°C; Source (side) heat exchanger air (in) 35°C.
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Dimensional drawing

