MITSUBISHI ELECTRIC HYDRONICS & IT COOLING SYSTEMS S.p.A.





TECS2-G05-Y

THE GREEN CHILLER OPERATING AT PEAK EFFICIENCY



Air cooled chiller with oil-free compressors. From 218 to 1313 kW

Resulting from the recognised prestige of Climaveneta brand products utilising magnetic levitation technology, TECS2-G05-Y air cooled chillers match together the advantages of the oil-free technology with the 513A innovative green refrigerant.

Brilliantly engineered to achieve premium levels of efficiency and reliability, TECS2-G05-Y also feature a very compact layout and silent operation that make this unit the ideal solution for any process application.



PROCESS APPLICATIONS

- Food industry
- Chemical and Pharmaceutical
- Printing industry
- Plastics



UNBEATABLE EFFICIENCY

Strict energy consumption and environmental impact regulations continually push towards ever more efficient units.

Achieving the greatest energy savings and ensuring long-term sustainability are challenges that modern cooling systems need to tackle. The combination of the oil-free compressors, the in-house designed evaporator and the high efficiency EC fans, make together TECS2-G05-Y the solution that always harness the highest cooling efficiency, in every load condition.



SIMPLIFIED LOGISTICS

Oil-free compressors feature an extremely advantageous capacity / weight ratio. The considerable weight reduction allows simplified on-site operations and a more compact layout compared to traditional screw compressor chillers.

Climaveneta's approach to cooling dependability goes beyond the unit's accurate and sturdy design. It also involves several devices and functions that maximise unit's uptime in case of emergency circumstances such as power supply outage.

ACOUSTIC VERSIONS



XL-CA

Super Low noise version, Class A of efficiency

Extra Low noise version, Class A of efficiency



Super Low noise version, Premium efficiency, Class A enhanced

HEAT RECOVERY CONFIGURATIONS



Basic function



Partial condensing heat recovery function

ALL-ROUND SUSTAINABILITY

TECS2-G05-Y is the result of Mitsubishi Electric Hydronics & IT Cooling Systems' extensive approach to sustainability.

LOW GWP

-56% GWP vs R134a

Increasing concerns about the global warming impact of chillers and heat pumps is driving new regulatory policies to push towards even more efficient units with the lowest carbon footprint. Today, an all-round approach is the only way to effectively reduce the Total Equivalent Warming Impact (TEWI).

Non-flammable

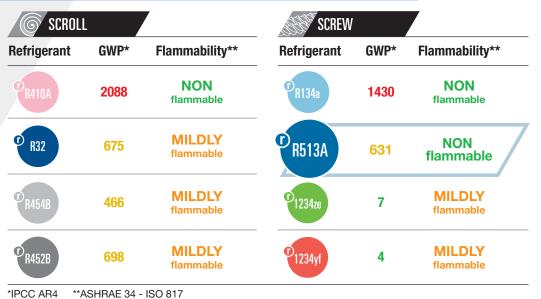
Safety Class A1

Fully committed to support the creation of a greener tomorrow, Mitsubishi Electric Hydronics & IT Cooling Systems designed TECS2-G05-Y, a complete chiller range with reduced environmental impact, optimized for R513A refrigerant.

Combining brilliant annual efficiency with the use of a low GWP refrigerant, TECS2-G05-Y tackles both the indirect (due to primary energy consumption) and the direct global warming, thus resulting in the perfect choice for any new, forward-looking cooling system.

REFRIGERANT BENCHMARK

R513A



New regulations like the EU F-gas and the Kigali Amendment to the Montreal Protocol, are driving the industry towards new eco-friendly refrigerants, with reduced greenhouse effect.

Unfortunately, the majority of low GWP refrigerants raises another critical issue: flammability.

The new refrigerant R513A, chosen for TECS2-G05-Y, is a brilliant exception: it offers a -56% GWP reduction compared to R134a's while ensuring complete non-toxicity and non-flammability (Class A1 of ASHRAE 34, ISO 817).

APCC AR4 AASHRAE 34 - ISO 81

PROFOUND EXPERTISE



With thousands of units installed worldwide since 2003, Climaveneta air-cooled centrifugal chillers have evolved into a new generation.

Today TECS2-G05-Y combines extensive expertise and the latest technology with a new eco-friendly refrigerant. LOW IN RUSH CURRENT



A further benefit is the very low inrush current, obtained thanks to the characteristics of the compressor and to the "inverter" starting. This is a crucial factor, as it allows a more favourable selection of the protection devices to be placed on the power supply between transformer and unit.



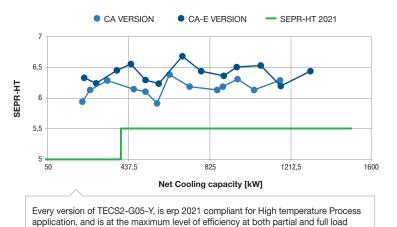


TECHNOLOGICAL CHOICES

CENTRIFUGAL COMPRESSOR WITH MAGNETIC LEVITATION

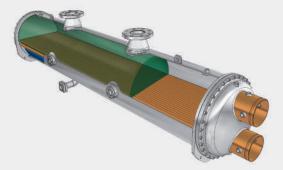
These top level technology compressors bring enormous benefits in terms of efficiency, adjustments, vibrations and weight. Magnetic levitation eliminates the need for lubricant, its delicate management and heat exchange penalisation. Partial load efficiency, which is crucial to reduce energy consumption during all-year-round operation, is therefore strongly increased

A profound knowledge is necessary to harness such a concentration of technology and here is where Climaveneta brand really makes the difference thanks to its profound experience in magnetic levitation compressor units and thousands of projects all over the world.



Flooded evaporator

Designed and built internally, the geometry of the flooded evaporator grants optimum temperature distribution along the shell, hence highly efficient heat exchange and low refrigerant pressure drops. Allowing the over-heating surface to be eliminated, the flooded evaporation delivers unbeatable heat exchange efficiency, but it also requires maximum care in keeping the exact liquid refrigerant level.



W3000TE CONTROL AND USER-FRIENDLY INTERFACE

The logic behind TECS2-G05-Y is the W3000TE control software.

Characterized by advanced functions and algorithms, **W3000TE features proprietary settings** that ensure faster adaptive responses to different dynamics, in all operating conditions: All the advantages in terms of reliability and technical support, thanks to Climaveneta's unbeatable know-how of this technology, for a truly ideal answer to the challenge of the most process applications:

EC FANS FOR A SUPER SILENT OPERATION

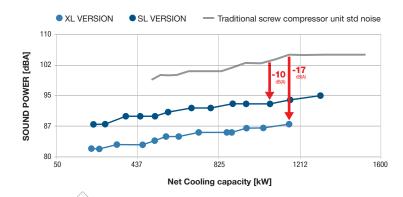
On TECS2-G05-Y units, the technology of EC electronic switching fans is introduced, as standard on SL-CA-E versions and optional on the other models.

The superior energy efficiency of the DC brushless motor further improves the chiller's

performance, that reaches the highest Efficiency at partial load level in the market.

More advantages are low inrush current and the ability to continuously modulate the rotational speed with an immediate gain in both silence and energy consumption.





TECS2-G05-Y shows as the EC fans on the XL and SL versions ensure very low noise levels compared to traditional screw compressor units. These unbeatable sound power levels make this unit the perfect solution for noise critical applications.

Electronic Expansion Valve

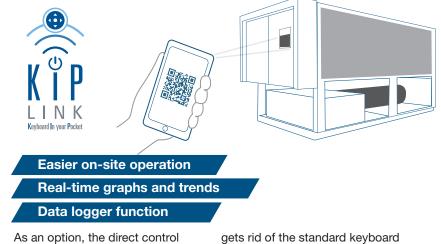
The electronic valve is adopted to grant the ideal operation of the evaporator in all conditions. In the air cooled unit the control is made with a precise measurement of the subcooling in the condenser coil.



The fast processing of the acquired data allow a quick, fluctuation-free regulation, and therefore a highly accurate adjustment to the swings of load and ambient conditions.



- Efficient and reliable operation in all conditions
- Connectivity with the most commonly used BMS protocols (Opt.)
- Demand limit option (available for double circuit units).



over the unit comes through the innovative **KIPlink interface**. Based on Wi-Fi technology, KIPlink gets rid of the standard keyboard and **allows one to operate on the unit directly from a mobile device** (smartphone, tablet, notebook).



CHILLERS



TECS2-G05-Y 0211 - 1154

High efficiency chiller, air source for outdoor installation, from 218 to 1313 kW.

TECS2-G05-Y/SL-CA			0211	0251	0351	0452	0512	0552	0652
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 VAL		1.3.67	000.4	055.0	0.40.0	407.0	500 F	507.0	040.4
Cooling capacity Total power input	(1) (1)	kW kW	230,4 70,85	255,9 80,82	343,3 110,0	437,9 137,7	502,5 160,7	567,3 173,5	643,1 207,2
EER	(1)	kW/kW	3,254	3,167	3,121	3,180	3,127	3,270	3,104
ESEER	(1)	kW/kW							
COOLING ONLY (EN14511 VA Cooling capacity	(1)(2)	kW	229,6	255,2	342,4	436,9	501,3	565,7	641,9
EER	(1)(2)	kW/kW	3,210	3,130	3,090	3,150	3,100	3,230	3,080
ESEER	(1)(2)	kW/kW	4,600	4,760	4,550	4,880	4,920	4,810	4,840
Cooling energy class			A	A	A	A	A	A	A
ENERGY EFFICIENCY SEASONAL EFFICIENCY IN C		G (Rea. EU	2016/2281)						
Process refrigeration at high									
Prated,c	(7)	kW	229,6	255,2	342,4	436,9	501,3	565,7	641,9
SEPR SEASONAL EFFICIENCY IN C	(7)(9)	G (Reg. EU	5,80 2015/1095)	5,87	6,04	5,92	6,00	5,68	6,15
Process refrigeration at med			2010/1000)						
Prated,c	(8)	kW	-	-	-	-	-	-	-
SEPR EXCHANGERS	(8)(9)		-	-	-	-	-	-	-
HEAT EXCHANGER USER SI	DE IN R	EFRIGERAT	ΓΙΟΝ						
Water flow	(1)	l/s	11,02	12,24	16,42	20,94	24,03	27,13	30,76
Pressure drop REFRIGERANT CIRCUIT	(1)	kPa	35,7	27,0	28,1	27,0	27,0	34,4	20,7
Compressors nr.		N°	1	1	1	2	2	2	2
No. Circuits		N°	1	1	1	1	1	1	1
Refrigerant charge		kg	100	100	120	210	180	210	240
NOISE LEVEL Sound Pressure	(3)	dB(A)	56	56	58	58	58	59	59
Sound power level in cooling SIZE AND WEIGHT	(4)(5)	dB(A)	88	88	90	90	90	91	92
A	(6)	mm	3100	3100	4000	4900	4900	5800	7000
B H	(6) (6)	mm mm	2260 2430	2260 2430	2260 2430	2260 2430	2260 2430	2260 2430	2260 2430
Operating weight	(6)	kg	2320	2370	3050	4000	4240	4530	5800
TECS2-G05-Y/SL-CA			0712	0853	0913	1013	1054	1154	
		V/ph/Hz							
Power supply		V/ph/Hz	0712 400/3/50	0853 400/3/50	0913 400/3/50	1013 400/3/50	1054 400/3/50	1154 400/3/50	
Power supply PERFORMANCE COOLING ONLY (GROSS VAL			400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	
Power supply PERFORMANCE COOLING ONLY (GROSS VAL Cooling capacity	(1)	kW	400/3/50 733,3	400/3/50 840,5	400/3/50 891,7	400/3/50 964,6	400/3/50 1056	400/3/50 1173	
Power supply PERFORMANCE COOLING ONLY (GROSS VAL			400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	
Power supply PERFORMANCE COOLING ONLY (GROSS VAL Cooling capacity Total power input EER ESEER	(1) (1) (1) (1)	kW kW	400/3/50 733,3 225,0	400/3/50 840,5 269,6	400/3/50 891,7 287,3	400/3/50 964,6 309,1	400/3/50 1056 335,2	400/3/50 1173 373,3	
Power supply PERFORMANCE COOLING ONLY (GROSS VAL Cooling capacity Total power input EER ESEER COOLING ONLY (EN14511 VA	(1) (1) (1) (1) ALUE)	kW kW kW/kW kW/kW	400/3/50 733,3 225,0 3,259	400/3/50 840,5 269,6 3,118	400/3/50 891,7 287,3 3,104	400/3/50 964,6 309,1 3,121	400/3/50 1056 335,2 3,150	400/3/50 1173 373,3 3,142	
Power supply PERFORMANCE COOLING ONLY (GROSS VAL Cooling capacity Total power input EER ESEER	(1) (1) (1) (1) ALUE) (1)(2)	kW kW kW/kW	400/3/50 733,3 225,0 3,259 731,7	400/3/50 840,5 269,6	400/3/50 891,7 287,3 3,104 889,3	400/3/50 964,6 309,1 3,121 962,5	400/3/50 1056 335,2 3,150 1053	400/3/50 1173 373,3 3,142 1170	
Power supply PERFORMANCE COOLING ONLY (GROSS VAL Cooling capacity Total power input EER ESEER COOLING ONLY (EN14511 VA Cooling capacity EER ESEER	(1) (1) (1) (1) (1)(2) (1)(2)	kW kW kW/kW kW/kW kW/kW	400/3/50 733,3 225,0 3,259 731,7 3,230 4,920	400/3/50 840,5 269,6 3,118 838,5 3,090 4,870	400/3/50 891,7 287,3 3,104 889,3 3,070 4,820	400/3/50 964,6 309,1 3,121 962,5 3,090 4,850	400/3/50 1056 335,2 3,150 1053 3,120 4,830	400/3/50 1173 373,3 3,142 1170 3,110 4,890	
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Power supply PERFORMANCE COOLING ONLY (GROSS VAL Cooling capacity Total power input EER ESEER COOLING ONLY (EN14511 VA Cooling capacity EER ESEER Cooling energy class ENERGY EFFICIENCY SEASONAL EFFICIENCY IN C Process refrigeration at high Prated,c SEPR SEASONAL EFFICIENCY IN C Process refrigeration at med Prated,c SEPR SEASONAL EFFICIENCY IN C Process refrigeration at med Prated,c SEPR EXCHANGER USER SII Water flow	(1) (1) (1) (1) (1)(2)(2) (1)(2)(2) (1)(2)(2)(2) (1)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)	kW kW/kW kW/kW kW/kW kW/kW kW/kW G (Reg. EU ature kW G (Reg. EU ature kW	400/3/50 733,3 225,0 3,259 731,7 3,230 4,920 A 2016/2281) 731,7 6,06 2015/1095) - FION 35,07	400/3/50 840,5 269,6 3,118 838,5 3,090 4,870 A 838,5 5,98 - - 40,19	400/3/50 891,7 287,3 3,104 889,3 3,070 4,820 A 889,3 5,98 - - 42,64	400/3/50 964,6 309,1 3,121 962,5 3,090 4,850 A 962,5 6,09 - - -	400/3/50 1056 335,2 3,150 1053 3,120 4,830 A 1053 5,89 - - 50,52	400/3/50 1173 373,3 3,142 1170 3,110 4,890 A 1170 6,09 - - 56,08	
Power supply PERFORMANCE COOLING ONLY (GROSS VAL Cooling capacity Total power input EER ESEER COOLING ONLY (EN14511 VA Cooling capacity EER ESEER Cooling energy class ENERGY EFFICIENCY SEASONAL EFFICIENCY IN C Process refrigeration at high Prated,c SEPR SEASONAL EFFICIENCY IN C Process refrigeration at med Prated,c SEPR EXCHANGERS HEAT EXCHANGER USER SII Water flow Pressure drop	(1) (1) (1) (1) (1)(2) (1)(2) (1)(2) (1)(2) COOLIN temper (7) (2) COOLIN ium tem (8) (8)(9) DE IN R	kW kW kW/kW kW/kW kW/kW kW/kW G (Reg. EU ature kW G (Reg. EU operature kW	400/3/50 733,3 225,0 3,259 731,7 3,230 4,920 A 2016/2281) 731,7 6,06 2015/1095) - - -	400/3/50 840,5 269,6 3,118 838,5 3,090 4,870 A 838,5 5,98 - -	400/3/50 891,7 287,3 3,104 889,3 3,070 4,820 A 889,3 5,98 - -	400/3/50 964,6 309,1 3,121 962,5 3,090 4,850 A 962,5 6,09 - - - - - - - - - - - - - - - - - - -	400/3/50 1056 335,2 3,150 1053 3,120 4,830 A 1053 5,89 - -	400/3/50 1173 373,3 3,142 1170 3,110 4,890 A 1170 6,09 - -	
Power supply PERFORMANCE COOLING ONLY (GROSS VAL Cooling capacity Total power input EER ESEER COOLING ONLY (EN14511 VA Cooling capacity EER ESEER Cooling energy class ENERGY EFFICIENCY SEASONAL EFFICIENCY IN C Process refrigeration at high Prated,c SEPR SEASONAL EFFICIENCY IN C Process refrigeration at med Prated,c SEPR EXCHANGERS HEAT EXCHANGER USER SII Water flow Pressure drop REFRIGERANT CIRCUIT Compressors nr.	(1) (1) (1) (1) (1)(2)(2) (1)(2)(2) (1)(2)(2)(2) (1)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)	kW kW kW/kW kW/kW kW/kW kW/kW KW/kW G (Reg. EU ature kW G (Reg. EU perature kW EFRIGERAT I/s kPa N°	400/3/50 733,3 225,0 3,259 731,7 3,230 4,920 A 2016/2281) 731,7 6,06 2015/1095) - - FION 35,07 26,9 2	400/3/50 840,5 269,6 3,118 838,5 3,090 4,870 A 838,5 5,98 - - 40,19 31,2 3	400/3/50 891,7 287,3 3,104 889,3 3,070 4,820 A 889,3 5,98 - - 42,64 35,1 3	400/3/50 964,6 309,1 3,121 962,5 3,090 4,850 A 962,5 6,09 - - 46,13 29,0 3	400/3/50 1056 335,2 3,150 1053 3,120 4,830 A 1053 5,89 - - 50,52 34,7 4	400/3/50 1173 373,3 3,142 1170 3,110 4,890 A 1170 6,09 - - 56,08 36,7 4	
Power supply PERFORMANCE COOLING ONLY (GROSS VAL Cooling capacity Total power input EER ESEER COOLING ONLY (EN14511 VA Cooling capacity EER ESEER Cooling energy class ENERGY EFFICIENCY SEASONAL EFFICIENCY IN C Process refrigeration at high Prated,c SEPR SEASONAL EFFICIENCY IN C Process refrigeration at med Prated,c SEPR EXCHANGERS HEAT EXCHANGER USER SII Water flow Pressure drop REFRIGERANT CIRCUIT Compressors nr. No. Circuits	(1) (1) (1) (1) (1)(2)(2) (1)(2)(2) (1)(2)(2)(2) (1)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)	kW kW kW/kW kW/kW kW/kW kW/kW G (Reg. EU ature kW G (Reg. EU pperature kW EFRIGERAT I/s kPa N° N°	400/3/50 733,3 225,0 3,259 731,7 3,230 4,920 A 2016/2281) 731,7 6,06 2015/1095) - FION 35,07 26,9 2 1	400/3/50 840,5 269,6 3,118 838,5 3,090 4,870 A 838,5 5,98 - - 40,19 31,2 3 2	400/3/50 891,7 287,3 3,104 889,3 3,070 4,820 A 889,3 5,98 - - 42,64 35,1 3 2	400/3/50 964,6 309,1 3,121 962,5 3,090 4,850 A 962,5 6,09 - - - - - 46,13 29,0 3 2	400/3/50 1056 335,2 3,150 1053 3,120 4,830 A 1053 5,89 - - 50,52 34,7 4 2	400/3/50 1173 373,3 3,142 1170 3,110 4,890 A 1170 6,09 - - 56,08 36,7 4 2	
Power supply PERFORMANCE COOLING ONLY (GROSS VAL Cooling capacity Total power input EER ESEER COOLING ONLY (EN14511 VA Cooling capacity EER ESEER Cooling energy class ENERGY EFFICIENCY SEASONAL EFFICIENCY IN C Process refrigeration at high Prated,c SEPR SEASONAL EFFICIENCY IN C Process refrigeration at med Prated,c SEPR EXCHANGERS HEAT EXCHANGER USER SII Water flow Pressure drop REFRIGERANT CIRCUIT Compressors nr. No. Circuits Refrigerant charge	(1) (1) (1) (1) (1)(2)(2) (1)(2)(2) (1)(2)(2)(2) (1)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)	kW kW kW/kW kW/kW kW/kW kW/kW KW/kW G (Reg. EU ature kW G (Reg. EU perature kW EFRIGERAT I/s kPa N°	400/3/50 733,3 225,0 3,259 731,7 3,230 4,920 A 2016/2281) 731,7 6,06 2015/1095) - - FION 35,07 26,9 2	400/3/50 840,5 269,6 3,118 838,5 3,090 4,870 A 838,5 5,98 - - 40,19 31,2 3	400/3/50 891,7 287,3 3,104 889,3 3,070 4,820 A 889,3 5,98 - - 42,64 35,1 3	400/3/50 964,6 309,1 3,121 962,5 3,090 4,850 A 962,5 6,09 - - 46,13 29,0 3	400/3/50 1056 335,2 3,150 1053 3,120 4,830 A 1053 5,89 - - 50,52 34,7 4	400/3/50 1173 373,3 3,142 1170 3,110 4,890 A 1170 6,09 - - 56,08 36,7 4	
Power supply PERFORMANCE COOLING ONLY (GROSS VAL Cooling capacity Total power input EER ESEER COOLING ONLY (EN14511 VA Cooling capacity EER ESEER Cooling energy class ENERGY EFFICIENCY SEASONAL EFFICIENCY IN C Process refrigeration at high Prated,c SEPR SEASONAL EFFICIENCY IN C Process refrigeration at med Prated,c SEPR EXCHANGERS HEAT EXCHANGER USER SII Water flow Pressure drop REFRIGERANT CIRCUIT Compressors nr. No. Circuits Refrigerant charge NOISE LEVEL Sound Pressure	(1) (1) (1) (1) (1)(2)(2) (1)(2)(2) (1)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)	kW kW kW/kW kW/kW kW/kW kW/kW KW/kW G (Reg. EU ature kW G (Reg. EU ature kW G (Reg. EU ature kW G (Reg. EU ature kW G (Reg. EU ature kW	400/3/50 733,3 225,0 3,259 731,7 3,230 4,920 A 2016/2281) 731,7 6,06 2015/1095) - - FION 35,07 26,9 2 1 280 59	400/3/50 840,5 269,6 3,118 838,5 3,090 4,870 A 838,5 5,98 - - - 40,19 31,2 3 2 340 60	400/3/50 891,7 287,3 3,104 889,3 3,070 4,820 A 889,3 5,98 - - 42,64 35,1 3 2 430 60	400/3/50 964,6 309,1 3,121 962,5 3,090 4,850 A 962,5 6,09 - - 46,13 29,0 3 2 490 60	400/3/50 1056 335,2 3,150 1053 3,120 4,830 A 1053 5,89 - - - 50,52 34,7 4 2 480 61	400/3/50 1173 373,3 3,142 1170 3,110 4,890 A 1170 6,09 - - 56,08 36,7 4 2 520 61	
Power supply PERFORMANCE COOLING ONLY (GROSS VAL Cooling capacity Total power input EER ESEER COOLING ONLY (EN14511 VA Cooling capacity EER ESEER Cooling energy class ENERGY EFFICIENCY SEASONAL EFFICIENCY IN C Process refrigeration at high Prated,c SEPR SEASONAL EFFICIENCY IN C Process refrigeration at med Prated,c SEPR EXCHANGERS HEAT EXCHANGER USER SII Water flow Pressure drop REFRIGERANT CIRCUIT Compressors nr. No. Circuits Refrigerant charge NOISE LEVEL Sound Pressure Sound power level in cooling	(1) (1) (1) (1) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) COOLIN temper (7) (7)(9) COOLIN temper (7) (7)(9) COOLIN temper (7) (7)(9) COOLIN temper (7) (7)(9) COOLIN temper (7) (7)(9) COOLIN temper (7) (7)(9) COOLIN temper (7) (7)(9) COOLIN temper (7) (7)(9) COOLIN temper (7) (7)(9) COOLIN temper (7) (7)(9) COOLIN temper (7) (7)(9) COOLIN temper (7) (7)(9) COOLIN temper (8) (7)(1) (1)(2)(2) (1)(2) (1)(2)(2) (1)(2)(2) (1)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)	kW kW kW/kW kW/kW kW/kW kW/kW kW/kW G (Reg. EU ature kW G (Reg. EU ature kW EFRIGERAT I/s kPa N° kg	400/3/50 733,3 225,0 3,259 731,7 3,230 4,920 A 2016/2281) 731,7 6,06 2015/1095) - - FION 35,07 26,9 2 1 280	400/3/50 840,5 269,6 3,118 838,5 3,090 4,870 A 838,5 5,98 - - 40,19 31,2 3 2 340	400/3/50 891,7 287,3 3,104 889,3 3,070 4,820 A 889,3 5,98 - - 42,64 35,1 3 2 430	400/3/50 964,6 309,1 3,121 962,5 3,090 4,850 A 962,5 6,09 - - - - - - - - - - - - - - - - - - -	400/3/50 1056 335,2 3,150 1053 3,120 4,830 A 1053 5,89 - - - - - - - - - - - - -	400/3/50 1173 373,3 3,142 1170 3,110 4,890 A 1170 6,09 - - - 56,08 36,7 4 2 520	
Power supply PERFORMANCE COOLING ONLY (GROSS VAL Cooling capacity Total power input EER ESEER COOLING ONLY (EN14511 VA Cooling capacity EER ESEER Cooling energy class ENERGY EFFICIENCY SEASONAL EFFICIENCY IN C Process refrigeration at high Prated,c SEPR SEASONAL EFFICIENCY IN C Process refrigeration at med Prated,c SEPR EXCHANGER USER SI Water flow Pressure drop REFRIGERANT CIRCUIT Compressors nr. No. Circuits Refrigerant charge NOISE LEVEL Sound Pressure Sound power level in cooling SIZE AND WEIGHT	(1) (1) (1) (1) (1)(2)(2) (1)(2) (1)(2)(2) (1)(2)(2) (1)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)	kW kWkW kW/kW kW/kW kW/kW kW/kW G (Reg. EU rature kW G (Reg. EU rerature kW EFRIGERAT I/s kPa N° N° kg dB(A) dB(A)	400/3/50 733,3 225,0 3,259 731,7 3,230 4,920 A 2016/2281) 731,7 6,06 2015/1095) - FION 35,07 26,9 2 1 280 59 92	400/3/50 840,5 269,6 3,118 838,5 3,090 4,870 A 838,5 5,98 - - - 40,19 31,2 3 2 340 60 93	400/3/50 891,7 287,3 3,104 889,3 3,070 4,820 A 889,3 5,98 - - 42,64 35,1 3 2 430 60 93	400/3/50 964,6 309,1 3,121 962,5 3,090 4,850 A 962,5 6,09 - - - - - - 46,13 29,0 3 2 490 60 93	400/3/50 1056 335,2 3,150 1053 3,120 4,830 A 1053 5,89 - - - 50,52 34,7 4 2 480 61 94	400/3/50 1173 373,3 3,142 1170 3,110 4,890 A 1170 6,09 - - - 56,08 36,7 4 2 520 61 94	
Power supply PERFORMANCE COOLING ONLY (GROSS VAL Cooling capacity Total power input EER ESEER COOLING ONLY (EN14511 VA Cooling capacity EER ESEER Cooling energy class ENERGY EFFICIENCY SEASONAL EFFICIENCY IN C Process refrigeration at high Prated,c SEPR SEASONAL EFFICIENCY IN C Process refrigeration at med Prated,c SEPR EXCHANGERS HEAT EXCHANGER USER SII Water flow Pressure drop REFRIGERANT CIRCUIT Compressors nr. No. Circuits Refrigerant charge NOISE LEVEL Sound Pressure Sound power level in cooling	(1) (1) (1) (1) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (2)(2)(1)(2) (2)(2)(1)(2) (2)(2)(1)(2)(1)(2) (2)(2)(1)(2)(1)(2)(1)(2)(1)(2)(1)(1)(1)(1)(1)(1)(1)(1)(1)(1)(1)(1)(1)	kW kW kW/kW kW/kW kW/kW kW/kW KW/kW G (Reg. EU ature kW G (Reg. EU ature kW G (Reg. EU ature kW G (Reg. EU ature kW G (Reg. EU ature kW	400/3/50 733,3 225,0 3,259 731,7 3,230 4,920 A 2016/2281) 731,7 6,06 2015/1095) - - FION 35,07 26,9 2 1 280 59	400/3/50 840,5 269,6 3,118 838,5 3,090 4,870 A 838,5 5,98 - - - 40,19 31,2 3 2 340 60	400/3/50 891,7 287,3 3,104 889,3 3,070 4,820 A 889,3 5,98 - - 42,64 35,1 3 2 430 60	400/3/50 964,6 309,1 3,121 962,5 3,090 4,850 A 962,5 6,09 - - 46,13 29,0 3 2 490 60	400/3/50 1056 335,2 3,150 1053 3,120 4,830 A 1053 5,89 - - - 50,52 34,7 4 2 480 61	400/3/50 1173 373,3 3,142 1170 3,110 4,890 A 1170 6,09 - - 56,08 36,7 4 2 520 61	
Power supply PERFORMANCE COOLING ONLY (GROSS VAL Cooling capacity Total power input EER ESEER COOLING ONLY (EN14511 VA Cooling capacity EER ESEER Cooling energy class ENERGY EFFICIENCY SEASONAL EFFICIENCY IN C Process refrigeration at high Prated,c SEPR SEASONAL EFFICIENCY IN C Process refrigeration at med Prated,c SEPR EXCHANGERS HEAT EXCHANGER USER SII Water flow Pressure drop REFRIGERANT CIRCUIT Compressors nr. No. Circuits Refrigerant charge NOISE LEVEL Sound Pressure Sound power level in cooling SIZE AND WEIGHT A B H	(1) (1) (1) (1) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (2) (2) (2) (2) (2) (2) (2) (2) (2)	kW kWkW kW/kW kW/kW kW/kW kW/kW G (Reg. EU ature kW G (Reg. EU perature kW G (Reg. EU perature kW G (Reg. EU perature kW G (Reg. EU ature kW	400/3/50 733,3 225,0 3,259 731,7 3,230 4,920 A 2016/2281) 731,7 6,06 2015/1095) - - TION 35,07 26,9 2 1 280 59 92 7000 2260 2430	400/3/50 840,5 269,6 3,118 838,5 3,090 4,870 A 838,5 5,98 - - 40,19 31,2 3 2 340 60 93 8500 2260 2430	400/3/50 891,7 287,3 3,104 889,3 3,070 4,820 A 889,3 5,98 - - 42,64 35,1 3 2 430 60 93 9700 2260 2430	400/3/50 964,6 309,1 3,121 962,5 3,090 4,850 A 962,5 6,09 - - 46,13 29,0 3 2 490 60 93 10600 2260 2430	400/3/50 1056 335,2 3,150 1053 3,120 4,830 A 1053 5,89 - - 50,52 34,7 4 2 480 61 94 11200 2260 2430	400/3/50 1173 373,3 3,142 1170 3,110 4,890 A 1170 6,09 - - 56,08 36,7 4 2 520 61 94 11500 2260 2430	
Power supply PERFORMANCE COOLING ONLY (GROSS VAL Cooling capacity Total power input EER ESEER COOLING ONLY (EN14511 VA Cooling capacity EER ESEER Cooling energy class ENERGY EFFICIENCY SEASONAL EFFICIENCY IN C Process refrigeration at high Prated,c SEPR SEASONAL EFFICIENCY IN C Process refrigeration at med Prated,c SEPR EXCHANGERS HEAT EXCHANGER USER SII Water flow Pressure drop REFRIGERANT CIRCUIT Compressors nr. No. Circuits Refrigerant charge NOISE LEVEL Sound Pressure Sound power level in cooling SIZE AND WEIGHT A B	(1) (1) (1) (1) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (2)(2)(1)(2) (1)(2)(1)(2) (2)(2)(1)(2)(1)(2) (2)(2)(1)(2)(1)(2)(1)(2)(1)(2)(1)(1)(1)(1)(1)(1)(1)(1)(1)(1)(1)(1)(1)	kW kW kW/kW kW/kW kW/kW kW/kW G (Reg. EU ature kW G (Reg. EU ature kW G (Reg. EU ature kW G (Reg. EU ature kW G (Reg. EU ature kW G (Reg. EU ature kW	400/3/50 733,3 225,0 3,259 731,7 3,230 4,920 A 2016/2281) 731,7 6,06 2015/1095) - TION 35,07 26,9 2 1 280 59 92 7000 2260	400/3/50 840,5 269,6 3,118 838,5 3,090 4,870 A 838,5 5,98 - - - 40,19 31,2 3 2 340 60 93 8500 2260	400/3/50 891,7 287,3 3,104 889,3 3,070 4,820 A 889,3 5,98 - - - 42,64 35,1 3 2 430 60 93 9700 2260	400/3/50 964,6 309,1 3,121 962,5 3,090 4,850 A 962,5 6,09 - - - 46,13 29,0 3 2 490 60 93 10600 2260	400/3/50 1056 335,2 3,150 1053 3,120 4,830 A 1053 5,89 - - - 50,52 34,7 4 2 480 61 94 11200 2260	400/3/50 1173 373,3 3,142 1170 3,110 4,890 A 1170 6,09 - - - 56,08 36,7 4 2 520 61 94 11500 2260	

Notes: 1 Plant (side) cooling exchanger water (in/out) 12°C/7°C; Source (side) heat exchanger air (in) 35°C. 2 Values in compliance with EN14511 3 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. 4 Sound power on the basis of measurements made in compliance with ISO 9614. 5 Sound power level in cooling, outdoors. 6 Unit in standard configuration/execution, without optional accessories.

7 Seasonal energy efficiency of high temperature process cooling [REGULATION (EU) N. 2016/2281]
8 Seasonal Energy Efficiency of Process Cooling at Medium Temperature [REGULATION (EU) N. 2015/1095]
9 Seasonal energy efficiency ratio
The units highlighted in this publication contain R513A [GWP₁₀₀ 631] fluorinated greenhouse gases.

Certified data in EUROVENT

06/07



TECS2-G05-Y/XL-CA			0211	0251	0351	0452	0512	0552	0652
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 VA	LUE)								
Cooling capacity	(1)	kW	217,9	252,4	338,6	431,0	519,2	573,0	634,0
Total power input EER	(1) (1)	kW kW/kW	68,84 3,167	79,54 3,175	109,0 3,106	135,9 3,171	165,3 3,141	171,1 3,349	205,8 3,081
ESEER	(1)	kW/kW	0,101	5,.10	0,.00	5,	0,	0,010	0,001
COOLING ONLY (EN14511 V Cooling capacity	ALUE) (1)(2)	kW	217,2	251,7	337,7	430,0	517,9	571,4	632,9
EER	(1)(2)	kW/kW	3,120	3,140	3,070	3,140	3,110	3,310	3,060
ESEER Cooling energy class	(1)(2)	kW/kW	4,610 A	4,860 A	4,670 B	4,990 A	4,980 A	4,900 A	4,990 B
ENERGY EFFICIENCY							- •		
SEASONAL EFFICIENCY IN Process refrigeration at high			2016/2281)						
Prated,c	(7)	kW	217,2	251,7	337,7	430,0	517,9	571,4	632,9
SEPR SEASONAL EFFICIENCY IN	(7)(9) COOLIN	G (Reg. EU	5,93 2015/1095)	6,13	6,28	6,14	6,10	5,92	6,38
Process refrigeration at med	dium tem	perature							
Prated,c SEPR	(8) (8)(9)	kW	-	-	1	-	-	-	-
EXCHANGERS									
HEAT EXCHANGER USER S Water flow	IDE IN R (1)	EFRIGERAT	10,42	12,07	16,19	20,61	24,83	27,40	30,32
Pressure drop	(1)	kPa	32,0	26,3	27,3	26,2	28,8	35,1	20,1
REFRIGERANT CIRCUIT Compressors nr.		N°	1	1	1	2	2	2	2
No. Circuits		N°	1	1	1	1	1	1	1
Refrigerant charge NOISE LEVEL		kg	100	100	130	220	220	240	270
Sound Pressure	(3)	dB(A)	50	50	51	51	52	52	52
Sound power level in cooling SIZE AND WEIGHT	(4)(5)	dB(A)	82	82	83	83	84	85	85
A	(6)	mm	3100	3100	4000	4900	5800	7000	7000
B H	(6) (6)	mm mm	2260 2430	2260 2430	2260 2430	2260 2430	2260 2430	2260 2430	2260 2430
Operating weight	(6)	kg	2370	2430	3200	4240	4690	5350	6150
TECS2-G05-Y/XL-CA			0712	0853	0913	1013	1054	1154	
TECS2-G05-Y/XL-CA	V	/ph/Hz	0712 400/3/50	0853 400/3/50	0913 400/3/50	1013 400/3/50	1054 400/3/50	1154 400/3/50	
Power supply PERFORMANCE		/ph/Hz	0712 400/3/50	0853 400/3/50	0913 400/3/50	1013 400/3/50	1054 400/3/50	1154 400/3/50	
Power supply PERFORMANCE COOLING ONLY (GROSS VA	LUE)	/ph/Hz kW	400/3/50	400/3/50	400/3/50				
Power supply PERFORMANCE COOLING ONLY (GROSS VA Cooling capacity Total power input	LUE) (1) (1)	kW kW	400/3/50 730,0 226,0	400/3/50 865,8 279,0	400/3/50 888,0 290,4	400/3/50 959,1 311,0	400/3/50 1040 330,3	400/3/50 1163 376,9	
Power supply PERFORMANCE COOLING ONLY (GROSS VA Cooling capacity	LUE) (1) (1) (1)	kW	400/3/50 730,0	400/3/50 865,8	400/3/50 888,0	400/3/50 959,1	400/3/50 1040	400/3/50 1163	
Power supply PERFORMANCE COOLING ONLY (GROSS VA Cooling capacity Total power input EER ESEER COOLING ONLY (EN14511 V	LUE) (1) (1) (1) (1) ALUE)	kW kW kW/kW kW/kW	400/3/50 730,0 226,0 3,230	400/3/50 865,8 279,0 3,103	400/3/50 888,0 290,4 3,058	400/3/50 959,1 311,0 3,084	400/3/50 1040 330,3 3,149	400/3/50 1163 376,9 3,086	
Power supply PERFORMANCE COOLING ONLY (GROSS VA Cooling capacity Total power input EER ESEER	LUE) (1) (1) (1) (1) ALUE) (1)(2)	kW kW kW/kW	400/3/50 730,0 226,0	400/3/50 865,8 279,0	400/3/50 888,0 290,4	400/3/50 959,1 311,0	400/3/50 1040 330,3	400/3/50 1163 376,9	
Power supply PERFORMANCE COOLING ONLY (GROSS VA Cooling capacity Total power input EER ESEER COOLING ONLY (EN14511 V Cooling capacity EER ESEER	LUE) (1) (1) (1) (1) (1) (1)(2) (1)(2)	kW kW (W/kW (W/kW	400/3/50 730.0 226.0 3,230 728,4 3,200 4,990	400/3/50 865,8 279,0 3,103 863,6 3,070 4,980	400/3/50 888,0 290,4 3,058 885,7 3,030 4,990	400/3/50 959,1 311,0 3,084 957,0 3,060 4,990	400/3/50 1040 330,3 3,149 1037 3,120 4,950	400/3/50 1163 376,9 3,086 1160 3,050 4,970	
Power supply PERFORMANCE COOLING ONLY (GROSS VA Cooling capacity Total power input EER ESEER COOLING ONLY (EN14511 V Cooling capacity EER	LUE) (1) (1) (1) (1) (1) (1)(2) (1)(2)	kW kW (W/kW (W/kW kW (W/kW	400/3/50 730,0 226,0 3,230 728,4 3,200	400/3/50 865,8 279,0 3,103 863,6 3,070	400/3/50 888,0 290,4 3,058 885,7 3,030	400/3/50 959,1 311,0 3,084 957,0 3,060	400/3/50 1040 330,3 3,149 1037 3,120	400/3/50 1163 376,9 3,086 1160 3,050	
Power supply PERFORMANCE COOLING ONLY (GROSS VA Cooling capacity Total power input EER ESEER COOLING ONLY (EN14511 V Cooling capacity EER ESEER Cooling energy class ENERGY EFFICIENCY SEASONAL EFFICIENCY IN	LUE) (1) (1) (1) (1) (1) (2) (1) (2) (1) (2) (1) (2) (1) (2) (1) (2) (1) (2) (1) (2) (1) (1) (1) (1) (2) (1) (1) (1) (1) (1) (1) (1) (1	kW kW kW/kW kW/kW kW/kW kW/kW kW/kW	400/3/50 730,0 226,0 3,230 728,4 3,200 4,990 A	400/3/50 865,8 279,0 3,103 863,6 3,070 4,980	400/3/50 888,0 290,4 3,058 885,7 3,030 4,990	400/3/50 959,1 311,0 3,084 957,0 3,060 4,990	400/3/50 1040 330,3 3,149 1037 3,120 4,950	400/3/50 1163 376,9 3,086 1160 3,050 4,970	
Power supply PERFORMANCE COOLING ONLY (GROSS VA Cooling capacity Total power input EER ESEER COOLING ONLY (EN14511 V Cooling capacity EER ESEER Cooling energy class ENERGY EFFICIENCY SEASONAL EFFICIENCY IN Process refrigeration at high	LUE) (1) (1) (1) (1) (1) (1) (2) (1) (2) (1) (2) (1) (2) (1) (2) (1) (2) (1) (2) (1) (1) (1) (1) (1) (1) (1) (1	kW kW kW/kW kW/kW kW/kW kW/kW G (Reg. EU ature	400/3/50 730,0 226,0 3,230 728,4 3,200 4,990 A	400/3/50 865,8 279,0 3,103 863,6 3,070 4,980 A	400/3/50 888,0 290,4 3,058 885,7 3,030 4,990 B	400/3/50 959,1 311,0 3,084 957,0 3,060 4,990	400/3/50 1040 330,3 3,149 1037 3,120 4,950	400/3/50 1163 376,9 3,086 1160 3,050 4,970	
Power supply PERFORMANCE COOLING ONLY (GROSS VA Cooling capacity Total power input EER ESEER COOLING ONLY (EN14511 V Cooling capacity EER ESEER Cooling energy class ENERGY EFFICIENCY SEASONAL EFFICIENCY IN Process refrigeration at high Prated,c SEPR	LUE) (1) (1) + (1) + (1)(2) + (1)(2)(2) + (1)(2)(2) + (1)(2)(2) + (1)(2)(2)(2) + (1)(2)	kW kW kW kW/kW kW/kW kW/kW kW/kW kW/kW	400/3/50 730,0 226,0 3,230 728,4 3,200 4,990 A 2016/2281) 728,4 6,18	400/3/50 865,8 279,0 3,103 863,6 3,070 4,980	400/3/50 888,0 290,4 3,058 885,7 3,030 4,990	400/3/50 959,1 311,0 3,084 957,0 3,060 4,990 B	400/3/50 1040 330,3 3,149 1037 3,120 4,950 A	400/3/50 1163 376,9 3,086 1160 3,050 4,970 B	
Power supply PERFORMANCE COOLING ONLY (GROSS VA Cooling capacity Total power input EER ESEER COOLING ONLY (EN14511 V Cooling capacity EER ESEER Cooling energy class ENERGY EFFICIENCY SEASONAL EFFICIENCY IN Process refrigeration at high Prated,c	LUE) (1) (1) + (1) + (1)(2) + (1)(2) + (1)(2) + (1)(2) + (1)(2) + (1)(2) + (1)(2) + (2)(2) + (2)(2)(2) + (2)(2)(2) + (2)(2)(2) + (2)(2)(2) + (2)(2)(2) + (2)(2)(2)(2) + (2)(2)(2)(2)(2) + (2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(kW kW kW/kW kW/kW kW/kW kW/kW G (Reg. EU g (Reg. EU	400/3/50 730,0 226,0 3,230 728,4 3,200 4,990 A 2016/2281) 728,4 6,18	400/3/50 865,8 279,0 3,103 863,6 3,070 4,980 A 863,6	400/3/50 888,0 290,4 3,058 885,7 3,030 4,990 B 885,7	400/3/50 959,1 311,0 3,084 957,0 3,060 4,990 B 957,0	400/3/50 1040 330,3 3,149 1037 3,120 4,950 A 1037	400/3/50 1163 376,9 3,086 1160 3,050 4,970 B 1160	
Power supply PERFORMANCE COOLING ONLY (GROSS VA Cooling capacity Total power input EER ESEER COOLING ONLY (EN14511 V Cooling capacity EER ESEER Cooling energy class ENERGY EFFICIENCY SEASONAL EFFICIENCY IN Process refrigeration at high Prated,c SEPR SEASONAL EFFICIENCY IN Process refrigeration at mediant	LUE) (1) (1) (1) (1) (1) (1) (1) (2) (1) (2) (1) (2) (1) (2) (2) (1) (2) (2) (2) (2) (2) (2) (2) (2	kW kW kW/kW kW/kW kW/kW kW/kW G (Reg. EU g (Reg. EU	400/3/50 730,0 226,0 3,230 728,4 3,200 4,990 A 2016/2281) 728,4 6,18	400/3/50 865,8 279,0 3,103 863,6 3,070 4,980 A 863,6	400/3/50 888,0 290,4 3,058 885,7 3,030 4,990 B 885,7	400/3/50 959,1 311,0 3,084 957,0 3,060 4,990 B 957,0	400/3/50 1040 330,3 3,149 1037 3,120 4,950 A 1037	400/3/50 1163 376,9 3,086 1160 3,050 4,970 B 1160	
Power supply PERFORMANCE COOLING ONLY (GROSS VA Cooling capacity Total power input EER ESEER COOLING ONLY (EN14511 V Cooling capacity EER ESEER Cooling energy class ENERGY EFFICIENCY SEASONAL EFFICIENCY IN Process refrigeration at high Prated,c SEPR SEASONAL EFFICIENCY IN Process refrigeration at medicing Process Process P	LUE) (1) (1) (1) (1) (1) (1) (2) (1) (2) (1) (2) (2) (1) (2) (2) (2) (2) (2) (2) (2) (2	kW kW kW/kW kW/kW kW/kW kW/kW kW/kW G (Reg. EU kW G (Reg. EU pperature	400/3/50 730,0 226,0 3,230 728,4 3,200 4,990 A 2016/2281) 728,4 6,18	400/3/50 865,8 279,0 3,103 863,6 3,070 4,980 A 863,6	400/3/50 888,0 290,4 3,058 885,7 3,030 4,990 B 885,7	400/3/50 959,1 311,0 3,084 957,0 3,060 4,990 B 957,0	400/3/50 1040 330,3 3,149 1037 3,120 4,950 A 1037	400/3/50 1163 376,9 3,086 1160 3,050 4,970 B 1160	
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Power supply PERFORMANCE COOLING ONLY (GROSS VA Cooling capacity Total power input EER ESEER COOLING ONLY (EN14511 V Cooling capacity EER ESEER Cooling energy class ENERGY EFFICIENCY SEASONAL EFFICIENCY IN Process refrigeration at high Prated,c SEPR SEASONAL EFFICIENCY IN Process refrigeration at med Prated,c SEPR SEASONAL EFFICIENCY IN Process refrigeration at med Prated,c SEPR SEASONAL EFFICIENCY IN Process refrigeration at med Prated,c SEPR SEASONAL EFFICIENCY SER SEASONAL SER SEASONAL SER SEASONAL SECON SER SEASONAL SECON SER SEASONAL SECON SER SEASONAL SECON SER SEASONAL SECON SER SEASONAL SECON SER SEASONAL SECON SER SEASONAL SECON SER SEASONAL SECON SER SEASONAL SECON SER SEASON SEASON SEASON SECON SER SEASON SECON	LUE) (1) (1) (1) (1) (1) (1) (1) (2) (1) (2) (1) (2) (2) (1) (2) (1) (2) (2) (2) (2) (2) (2) (2) (2	kW kW kW kW/kW kW/kW kW/kW G (Reg. EU ature kW G (Reg. EU ature kW EFRIGERAT I/s kPa	400/3/50 730,0 226,0 3,230 728,4 3,200 4,990 A 2016/2281) 728,4 6,18 2015/1095) - - - - - - - - - - - - -	400/3/50 865,8 279,0 3,103 863,6 3,070 4,980 A 863,6 6,13 - - 41,40 33,1	400/3/50 888,0 290,4 3,058 885,7 3,030 4,990 B 885,7 6,18 - - 42,47 34,8	400/3/50 959,1 311,0 3,084 957,0 3,060 4,990 B 957,0 6,30 - - 45,87 28,6	400/3/50 1040 330,3 3,149 1037 3,120 4,950 A 1037 6,13 - - 49,75 33,7	400/3/50 1163 376,9 3,086 1160 3,050 4,970 B 1160 6,28 - - - 55,63 36,1	
Power supply PERFORMANCE COOLING ONLY (GROSS VA Cooling capacity Total power input EER ESEER COOLING ONLY (EN14511 V Cooling capacity EER ESEER Cooling energy class ENERGY EFFICIENCY SEASONAL EFFICIENCY IN Process refrigeration at high Prated,c SEPR SEASONAL EFFICIENCY IN Process refrigeration at med Prated,c SEPR EXCHANGERS HEAT EXCHANGER USER S Water flow Pressure drop REFRIGERANT CIRCUIT Compressors nr.	LUE) (1) (1) (1) (1) (1) (1) (2) (1) (2) (1) (2) (2) (1) (2) (2) (2) (2) (2) (2) (2) (2	kW kW kW kW/kW kW/kW kW/kW kW/kW G (Reg. EU ature kW G (Reg. EU perature kW EFRIGERAT //s kPa N°	400/3/50 730,0 226,0 3,230 728,4 3,200 4,990 A 2016/2281) 728,4 6,18 2015/1095) - - - TON 34,91 26,7 2	400/3/50 865,8 279,0 3,103 863,6 3,070 4,980 A 863,6 6,13 - - 41,40 33,1 3	400/3/50 888,0 290,4 3,058 885,7 3,030 4,990 B 885,7 6,18 - - 42,47 34,8 3	400/3/50 959,1 311,0 3,084 957,0 3,060 4,990 B 957,0 6,30 - - 45,87 28,6 3	400/3/50 1040 330,3 3,149 1037 3,120 4,950 A 1037 6,13 - - 49,75 33,7 4	400/3/50 1163 376,9 3,086 1160 3,050 4,970 B 1160 6,28 - - 55,63 36,1 4	
Power supply PERFORMANCE COOLING ONLY (GROSS VA Cooling capacity Total power input EER ESEER COOLING ONLY (EN14511 V Cooling capacity EER ESEER Cooling energy class ENERGY EFFICIENCY IN Process refrigeration at high Prated,c SEPR SEASONAL EFFICIENCY IN Process refrigeration at med Prated,c SEPR SEASONAL EFFICIENCY IN Process refrigeration at med Prated,c SEPR EXCHANGERS HEAT EXCHANGER USER S Water flow Pressure drop REFRIGERANT CIRCUIT Compressors nr. No. Circuits Refrigerant charge	LUE) (1) (1) (1) (1) (1) (1) (2) (1) (2) (1) (2) (2) (1) (2) (2) (2) (2) (2) (2) (2) (2	kW kW kW kW/kW kW/kW kW/kW G (Reg. EU ature kW G (Reg. EU ature kW EFRIGERAT I/s kPa	400/3/50 730,0 226,0 3,230 728,4 3,200 4,990 A 2016/2281) 728,4 6,18 2015/1095) - - - - - - - - - - - - -	400/3/50 865,8 279,0 3,103 863,6 3,070 4,980 A 863,6 6,13 - - 41,40 33,1	400/3/50 888,0 290,4 3,058 885,7 3,030 4,990 B 885,7 6,18 - - 42,47 34,8	400/3/50 959,1 311,0 3,084 957,0 3,060 4,990 B 957,0 6,30 - - 45,87 28,6	400/3/50 1040 330,3 3,149 1037 3,120 4,950 A 1037 6,13 - - 49,75 33,7	400/3/50 1163 376,9 3,086 1160 3,050 4,970 B 1160 6,28 - - - 55,63 36,1	
Power supply PERFORMANCE COOLING ONLY (GROSS VA Cooling capacity Total power input EER ESEER COOLING ONLY (EN14511 V Cooling capacity EER ESEER Cooling energy class ENERGY EFFICIENCY SEASONAL EFFICIENCY IN Process refrigeration at high Prated,c SEPR SEASONAL EFFICIENCY IN Process refrigeration at med Prated,c SEPR EXCHANGERS HEAT EXCHANGER USER S Water flow Pressure drop REFRIGERANT CIRCUIT Compressors nr. No. Circuits Refrigerant charge NOISE LEVEL	LUE) (1) (1) (1) (1) (1) (1) (1) (2) (1) (2) (1) (2) COOLING (1) (1) (2) COOLING (8) (9) IDE IN Ri (1) (1) (1) (1) (2) (1) (2) (2) (2) (2) (1) (2) (2) (2) (2) (2) (2) (2) (2	kW kW kW kW/kW kW/kW kW/kW kW/kW G (Reg. EU ature kW G (Reg. EU ature kW EFRIGERAT l/s kPa N° N° N° kg	400/3/50 730,0 226,0 3,230 728,4 3,200 4,990 A 2016/2281) 728,4 6,18 2015/1095) - - - - - - - - - - - - -	400/3/50 865,8 279,0 3,103 863,6 3,070 4,980 A 863,6 6,13 - - 41,40 33,1 3 2 410	400/3/50 888,0 290,4 3,058 885,7 3,030 4,990 B 885,7 6,18 - - 42,47 34,8 3 2 450	400/3/50 959,1 311,0 3,084 957,0 3,060 4,990 B 957,0 6,30 - - 45,87 28,6 3 2 520	400/3/50 1040 330,3 3,149 1037 3,120 4,950 A 1037 6,13 - - 49,75 33,7 4 2 500	400/3/50 1163 376,9 3,086 1160 3,050 4,970 B 1160 6,28 - - - 55,63 36,1 4 2 580	
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Power supply PERFORMANCE COOLING ONLY (GROSS VA Cooling capacity Total power input EER ESEER COOLING ONLY (EN14511 V Cooling capacity EER ESEER Cooling energy class ENERGY EFFICIENCY SEASONAL EFFICIENCY IN Process refrigeration at high Prated,c SEPR SEASONAL EFFICIENCY IN Process refrigeration at med Prated,c SEPR EXCHANGERS HEAT EXCHANGER USER S Water flow Pressure drop REFRIGERANT CIRCUIT Compressors nr. No. Circuits Refrigerant charge NOISE LEVEL Sound Pressure	LUE) (1) (1) (1) (1) (1) (1) (2) (1) (2) (1) (2) (1) (2) (2) (1) (2) (1) (2) (2) (2) (2) (2) (2) (2) (2	kW kW kW kW/kW kW/kW kW/kW KW/kW G (Reg. EU ature kW G (Reg. EU perature kW EFRIGERAT I/s kPa N° N° kg dB(A)	400/3/50 730,0 226,0 3,230 728,4 3,200 4,990 A 2016/2281) 728,4 6,18 2015/1095) - - TON 34,91 26,7 2 1 310 53	400/3/50 865,8 279,0 3,103 863,6 3,070 4,980 A 863,6 6,13 - - 41,40 33,1 3 2 410 53	400/3/50 888,0 290,4 3,058 885,7 3,030 4,990 B 885,7 6,18 - - 42,47 34,8 3 2 450 53	400/3/50 959,1 311,0 3,084 957,0 3,060 4,990 B 957,0 6,30 - - 45,87 28,6 3 2 520 54	400/3/50 1040 330,3 3,149 1037 3,120 4,950 A 1037 6,13 - - 49,75 33,7 4 2 500 54	400/3/50 1163 376,9 3,086 1160 3,050 4,970 B 1160 6,28 - - - 55,63 36,1 4 2 580 55	
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🔆 COOLING

A ENERGY CLASS

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CHILLERS



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High efficiency chiller, air source for outdoor installation, from 218 to 1313 kW.

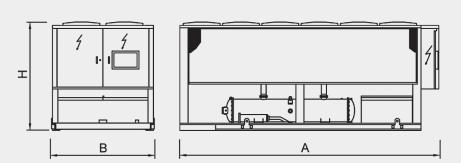
TECS2-G05-Y/SL-CA-E			0211	0251	0351	0452	0512	0552	0652
Power supply		V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
PERFORMANCE									
COOLING ONLY (GROSS VAL			000 /		001.0	150 5	500 5	500 5	005.0
Cooling capacity	(1)	kW kW	226,4	282,8	381,9	450,5	520,5	583,5 168.3	695,8
Γotal power input ΞΕR	(1) (1)	kW/kW	67,41 3,359	81,04 3,491	112,7 3,389	133,0 3,387	154,1 3,378	3,467	203,5 3,419
ESEER	(1)	kW/kW	0,000	0,401	0,000	0,007	0,070	0,407	0,415
COOLING ONLY (EN14511 VA									
Cooling capacity	(1)(2)	kW	225,6	281,9	380,8	449,4	519,2	581,8	694,4
EER	(1)(2)	kW/kW	3,310	3,440	3,340	3,350	3,340	3,420	3,390
SEER	(1)(2)	kW/kW	5,100	5,300	5,200	5,520	5,400	5,300	5,530
Cooling energy class			A	A	A	A	A	A	A
ENERGY EFFICIENCY			2040(0004)						
SEASONAL EFFICIENCY IN C			2016/2281)						
Process refrigeration at high Prated,c	(7)	kW	225,6	281,9	380,8	449,4	519,2	581,8	694,4
EPR	(7)(9)	NVV	6,32	6,24	6,45	6,56	6,29	6,23	6,68
EASONAL EFFICIENCY IN C		G (Reg. EU)		0,2 .	0,10	0,00	0,20	0,20	0,00
Process refrigeration at med									
rated,c	(8)	kW	-	-	-	-	-	-	-
EPR	(8)(9)		-	-	-	-	-	-	-
XCHANGERS									
EAT EXCHANGER USER SI				10 50	10.00	01 55	04.90	07.00	22.07
Vater flow Pressure drop	(1)	l/s kPa	10,83 34,5	13,52 33,0	18,26 34,7	21,55 28,6	24,89 29,0	27,90 36,4	33,27 24,2
	(1)	кга	54,5	55,0	34,7	20,0	29,0	30,4	24,2
Compressors nr.		N°	1	1	1	2	2	2	2
lo. Circuits		N°	1	1	1	1	1	1	1
Refrigerant charge		kg	100	100	130	220	220	240	270
IOISE LEVEL									
ound Pressure	(3)	dB(A)	56	56	58	58	58	59	59
ound power level in cooling	(4)(5)	dB(A)	88	88	90	90	90	91	92
IZE AND WEIGHT	(6)	mm	2100	2100	4000	4000	4000	5900	7000
N	(6)	mm	3100 2260	3100 2260	4000 2260	4900 2260	4900 2260	5800 2260	2260
	(6)					2200	2200		
	(6) (6)	mm mm			2430	2430	2430	2430	2430
3 H Dperating weight	(6) (6) (6)	mm kg	2430 2270	2430 2350	2430 3130	2430 4070	2430 4230	2430 4570	2430 6040
H Dperating weight	(6) (6)	mm	2430	2430					
1	(6) (6)	mm	2430	2430					
H Dperating weight	(6) (6) E	mm	2430 2270	2430 2350	3130	4070	4230	4570	
H Dperating weight TECS2-G05-Y/SL-CA-I Power supply	(6) (6) E	mm kg	2430 2270 0712	2430 2350 0853	3130 0913	4070 1013	4230 1054	4570 1154	
H Derating weight FECS2-G05-Y/SL-CA-I Power supply PERFORMANCE	(6) (6) E	mm kg	2430 2270 0712	2430 2350 0853	3130 0913	4070 1013	4230 1054 400/3/50	4570 1154	
H Deperating weight TECS2-G05-Y/SL-CA-I Power supply PERFORMANCE COOLING ONLY (GROSS VAL Cooling capacity	(6) (6) E LUE) (1)	mm kg V/ph/Hz kW	2430 2270 0712 400/3/50 786,2	2430 2350 0853 400/3/50 894,0	3130 0913 400/3/50 956,7	4070 1013 400/3/50 1071	4230 1054 400/3/50 1168	4570 1154 400/3/50 1313	
H Derating weight TECS2-G05-Y/SL-CA-I Power supply TERFORMANCE COOLING ONLY (GROSS VAL Sooling capacity Total power input	(6) (6) E LUE) (1) (1)	mm kg V/ph/Hz kW kW	2430 2270 0712 400/3/50 786,2 233,3	2430 2350 0853 400/3/50 894,0 263,0	3130 0913 400/3/50 956,7 279,5	4070 1013 400/3/50 1071 316,2	4230 1054 400/3/50 1168 335,5	4570 1154 400/3/50 1313 382,5	
TECS2-G05-Y/SL-CA- Power supply PERFORMANCE COOLING ONLY (GROSS VAL Cooling capacity otal power input ER	(6) (6) E LUE) (1) (1) (1)	mm kg V/ph/Hz kW kW kWkW	2430 2270 0712 400/3/50 786,2	2430 2350 0853 400/3/50 894,0	3130 0913 400/3/50 956,7	4070 1013 400/3/50 1071	4230 1054 400/3/50 1168	4570 1154 400/3/50 1313	
I Deperating weight IECS2-G05-Y/SL-CA-I Power supply PERFORMANCE COOLING ONLY (GROSS VAL Cooling capacity Cooling capacity Cotal power input ER SEER	(6) (6) E LUE) (1) (1) (1) (1) (1)	mm kg V/ph/Hz kW kW	2430 2270 0712 400/3/50 786,2 233,3	2430 2350 0853 400/3/50 894,0 263,0	3130 0913 400/3/50 956,7 279,5	4070 1013 400/3/50 1071 316,2	4230 1054 400/3/50 1168 335,5	4570 1154 400/3/50 1313 382,5	
I Deperating weight IECS2-G05-Y/SL-CA-I Power supply PERFORMANCE COOLING ONLY (GROSS VAL Cooling capacity Otal power input ER SEER COLING ONLY (EN14511 VA	(6) (6) E (1) (1) (1) (1) (1) ALUE)	mm kg V/ph/Hz kW kW kW/kW kW/kW	2430 2270 0712 400/3/50 786,2 233,3 3,370	2430 2350 0853 400/3/50 894,0 263,0 3,399	3130 0913 400/3/50 956,7 279,5 3,423	4070 1013 400/3/50 1071 316,2 3,387	4230 1054 400/3/50 1168 335,5 3,481	4570 1154 400/3/50 1313 382,5 3,433	
H Derating weight TECS2-G05-Y/SL-CA- Power supply TERFORMANCE COOLING ONLY (GROSS VAL Cooling capacity Total power input ER SEER COOLING ONLY (EN14511 VA Cooling capacity	(6) (6) E (1) (1) (1) (1) (1) ALUE) (1)(2)	mm kg V/ph/Hz kW kW kW/kW kW/kW	2430 2270 0712 400/3/50 786,2 233,3 3,370 784,3	2430 2350 0853 400/3/50 894,0 263,0 3,399 891,6	3130 0913 400/3/50 956,7 279,5 3,423 953,9	4070 1013 400/3/50 1071 316,2 3,387 1068	4230 1054 400/3/50 1168 335,5 3,481 1164	4570 1154 400/3/50 1313 382,5 3,433 1309	
TECS2-G05-Y/SL-CA- Power supply PERFORMANCE COOLING ONLY (GROSS VAL Cooling capacity otal power input ER SEER COOLING ONLY (EN14511 VA COOLING CONLY (EN14511 VA COOLING CAPACITY	(6) (6) E (1) (1) (1) (1) (1) (1)(2) (1)(2)	mm kg V/ph/Hz kW kW kW/kW kW/kW	2430 2270 0712 400/3/50 786,2 233,3 3,370	2430 2350 0853 400/3/50 894,0 263,0 3,399	3130 0913 400/3/50 956,7 279,5 3,423	4070 1013 400/3/50 1071 316,2 3,387	4230 1054 400/3/50 1168 335,5 3,481	4570 1154 400/3/50 1313 382,5 3,433 1309 3,380	
H Deperating weight TECS2-G05-Y/SL-CA-I Power supply PERFORMANCE COOLING ONLY (GROSS VAL Cooling capacity Total power input ERE SEER COOLING ONLY (EN14511 VA Dooling capacity ERE SEER SOOLING ONLY (EN14511 VA Dooling capacity ERE SEER Cooling energy class	(6) (6) E (1) (1) (1) (1) (1) ALUE) (1)(2)	mm kg V/ph/Hz kW kW/kW kW/kW kW/kW	2430 2270 0712 400/3/50 786,2 233,3 3,370 784,3 3,330	2430 2350 0853 400/3/50 894,0 263,0 3,399 891,6 3,360	3130 0913 400/3/50 956,7 279,5 3,423 953,9 3,380	4070 1013 400/3/50 1071 316,2 3,387 1068 3,350	4230 1054 400/3/50 1168 335,5 3,481 1164 3,430	4570 1154 400/3/50 1313 382,5 3,433 1309	
I Sperating weight IECS2-G05-Y/SL-CA-I Sover supply IERFORMANCE SOOLING ONLY (GROSS VAL Sooling capacity SEER SOOLING ONLY (EN14511 VA Sooling capacity ER SEER Sooling energy class ENERGY EFFICIENCY	(6) (6) E (1) (1) (1) (1) (1) (2) (1)(2) (1)(2)	mm kg V/ph/Hz kW kW/kW kW/kW kW/kW	2430 2270 0712 400/3/50 786,2 233,3 3,370 784,3 3,330 5,460 A	2430 2350 0853 400/3/50 894,0 263,0 3,399 891,6 3,360 5,310	3130 0913 400/3/50 956,7 279,5 3,423 953,9 3,380 5,400	4070 1013 400/3/50 1071 316,2 3,387 1068 3,350 5,390	4230 1054 400/3/50 1168 335,5 3,481 1164 3,430 5,530	4570 1154 400/3/50 1313 382,5 3,433 1309 3,380 5,380	
I Sperating weight I I I I I I I I I I I I I	(6) (6) E LUE) (1) (1) (1) (1) (2) (1)(2) (1)(2) (1)(2) COOOLING	mm kg V/ph/Hz kW kW/kW kW/kW kW/kW kW/kW kW/kW	2430 2270 0712 400/3/50 786,2 233,3 3,370 784,3 3,330 5,460 A	2430 2350 0853 400/3/50 894,0 263,0 3,399 891,6 3,360 5,310	3130 0913 400/3/50 956,7 279,5 3,423 953,9 3,380 5,400	4070 1013 400/3/50 1071 316,2 3,387 1068 3,350 5,390	4230 1054 400/3/50 1168 335,5 3,481 1164 3,430 5,530	4570 1154 400/3/50 1313 382,5 3,433 1309 3,380 5,380	
Perating weight TECS2-G05-Y/SL-CA-I Power supply TERFORMANCE COOLING ONLY (GROSS VAL Cooling capacity Cooling capacity ER SEER COOLING ONLY (EN14511 VA Cooling capacity ER SEER Cooling energy class ENERGY EFFICIENCY EASONAL EFFICIENCY EASONAL EFFICIENCY IN Co Process refrigeration at high	(6) (6) E LUE) (1) (1) (1) (1) (2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2)	mm kg V/ph/Hz kW kW/kW kW/kW kW/kW kW/kW kW/kW	2430 2270 0712 400/3/50 786,2 233,3 3,370 784,3 3,330 5,460 A 2016/2281)	2430 2350 0853 400/3/50 894,0 263,0 3,399 891,6 3,360 5,310 A	3130 0913 400/3/50 956,7 279,5 3,423 953,9 3,380 5,400 A	4070 1013 400/3/50 1071 316,2 3,387 1068 3,350 5,390 A	4230 1054 400/3/50 1168 335,5 3,481 1164 3,430 5,530 A	4570 1154 400/3/50 1313 382,5 3,433 1309 3,380 5,380 A	
I Perating weight I I I I I I I I I I I I I	(6) (6) E LUE) (1) (1) (1) (1) (2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2)(2) (1)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)	mm kg V/ph/Hz kW kW/kW kW/kW kW/kW kW/kW kW/kW	2430 2270 0712 400/3/50 786,2 233,3 3,370 784,3 3,330 5,460 A 2016/2281) 784,3	2430 2350 0853 400/3/50 894,0 263,0 3,399 891,6 3,360 5,310 A 891,6	3130 0913 400/3/50 956,7 279,5 3,423 953,9 3,380 5,400 A 953,9	4070 1013 400/3/50 1071 316,2 3,387 1068 3,350 5,390 A 1068	4230 1054 400/3/50 1168 335,5 3,481 1164 3,430 5,530 A 1164	4570 1154 400/3/50 1313 382,5 3,433 1309 3,380 5,380 A 1309	
ECS2-G05-Y/SL-CA- Over supply EFFORMANCE COOLING ONLY (GROSS VAL Cooling capacity Cooling capacity Cooling capacity EFR Cooling capacity EFR Cooling capacity EFR Cooling energy class ENERGY EFFICIENCY EFR Cooling service of the se	(6) (6) E (1) (1) (1) (1) (1) (2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2)(2) (1)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)	mm kg V/ph/Hz kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW	2430 2270 0712 400/3/50 786,2 233,3 3,370 784,3 3,330 5,460 A 2016/2281) 784,3 6,44	2430 2350 0853 400/3/50 894,0 263,0 3,399 891,6 3,360 5,310 A	3130 0913 400/3/50 956,7 279,5 3,423 953,9 3,380 5,400 A	4070 1013 400/3/50 1071 316,2 3,387 1068 3,350 5,390 A	4230 1054 400/3/50 1168 335,5 3,481 1164 3,430 5,530 A	4570 1154 400/3/50 1313 382,5 3,433 1309 3,380 5,380 A	
	(6) (6) E LUE) (1) (1) (1) (1) (1) (2) (1)(2) (1)(2) (1)(2) (1)(2) (2) (2) (2) (2) (2) (2) (2) (2) (2)	mm kg V/ph/Hz kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW G (Reg. EU 2 ature kW	2430 2270 0712 400/3/50 786,2 233,3 3,370 784,3 3,330 5,460 A 2016/2281) 784,3 6,44	2430 2350 0853 400/3/50 894,0 263,0 3,399 891,6 3,360 5,310 A 891,6	3130 0913 400/3/50 956,7 279,5 3,423 953,9 3,380 5,400 A 953,9	4070 1013 400/3/50 1071 316,2 3,387 1068 3,350 5,390 A 1068	4230 1054 400/3/50 1168 335,5 3,481 1164 3,430 5,530 A 1164	4570 1154 400/3/50 1313 382,5 3,433 1309 3,380 5,380 A 1309	
TECS2-G05-Y/SL-CA-I Power supply TERFORMANCE COOLING ONLY (GROSS VAL Cooling capacity tel SEER COOLING ONLY (EN14511 VA Cooling capacity ER SEER Cooling energy class ENERGY EFFICIENCY FASONAL EFFICIENCY FASONAL EFFICIENCY IN C Process refrigeration at high Trated,c EEPR EEASONAL EFFICIENCY IN C Process refrigeration at med	(6) (6) E LUE) (1) (1) (1) (1) (1) (2) (1)(2) (1)(2) (1)(2) (1)(2) (7)(9) COOLIN' (7)(9) COOLIN'	mm kg V/ph/Hz kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW G (Reg. EU 2 ature kW	2430 2270 0712 400/3/50 786,2 233,3 3,370 784,3 3,330 5,460 A 2016/2281) 784,3 6,44	2430 2350 0853 400/3/50 894,0 263,0 3,399 891,6 3,360 5,310 A 891,6	3130 0913 400/3/50 956,7 279,5 3,423 953,9 3,380 5,400 A 953,9	4070 1013 400/3/50 1071 316,2 3,387 1068 3,350 5,390 A 1068	4230 1054 400/3/50 1168 335,5 3,481 1164 3,430 5,530 A 1164	4570 1154 400/3/50 1313 382,5 3,433 1309 3,380 5,380 A 1309	
ECS2-G05-Y/SL-CA-I Power supply EFFORMANCE COOLING ONLY (GROSS VAL Cooling capacity Otal power input ER SEER COOLING ONLY (EN14511 VA Cooling capacity ER SEER COOLING ONLY (EN14511 VA Cooling capacity ER COOLING CAPACITY	(6) (6) E LUE) (1) (1) (1) (1) (1) (2) (1)(2) (1)(2) (1)(2) (1)(2) (2) (2) (2) (2) (2) (2) (2) (2) (2)	mm kg V/ph/Hz kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW	2430 2270 0712 400/3/50 786,2 233,3 3,370 784,3 3,330 5,460 A 2016/2281) 784,3 6,44	2430 2350 0853 400/3/50 894,0 263,0 3,399 891,6 3,360 5,310 A 891,6	3130 0913 400/3/50 956,7 279,5 3,423 953,9 3,380 5,400 A 953,9	4070 1013 400/3/50 1071 316,2 3,387 1068 3,350 5,390 A 1068	4230 1054 400/3/50 1168 335,5 3,481 1164 3,430 5,530 A 1164	4570 1154 400/3/50 1313 382,5 3,433 1309 3,380 5,380 A 1309	
Perating weight TECS2-G05-Y/SL-CA- Power supply TERFORMANCE COOLING ONLY (GROSS VAL Cooling capacity Cooling capacity Cooling capacity Cooling capacity ER Cooling energy class Cooling energy cl	(6) (6) (7) (1) (1) (1) (1) (1) (2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)	mm kg V/ph/Hz kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW	2430 2270 0712 400/3/50 786,2 233,3 3,370 784,3 3,330 5,460 A 2016/2281) 784,3 6,44 2015/1095) -	2430 2350 0853 400/3/50 894,0 263,0 3,399 891,6 3,360 5,310 A 891,6	3130 0913 400/3/50 956,7 279,5 3,423 953,9 3,380 5,400 A 953,9	4070 1013 400/3/50 1071 316,2 3,387 1068 3,350 5,390 A 1068	4230 1054 400/3/50 1168 335,5 3,481 1164 3,430 5,530 A 1164	4570 1154 400/3/50 1313 382,5 3,433 1309 3,380 5,380 A 1309	
Perating weight TECS2-G05-Y/SL-CA-I Power supply TERFORMANCE COOLING ONLY (GROSS VAL COOLING ONLY (GROSS VAL COOLING ONLY (EN14511 VA COOLING CAPACITY ER SEER COOLING CAPACITY ER SEER COOLING CAPACITY ER COOLING CAPACITY EX CONTACT COOLING CAPACITY COOLING CAPACIT	(6) (6) (7) (1) (1) (1) (1) (1) (2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2) (1)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)	mm kg V/ph/Hz kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW kW/kW G (Reg. EU ature kW G (Reg. EU kW	2430 2270 0712 400/3/50 786,2 233,3 3,370 784,3 3,330 5,460 A 2016/2281) 784,3 6,44 2015/1095) - -	2430 2350 0853 400/3/50 894,0 263,0 3,399 891,6 3,360 5,310 A 891,6 6,36 - -	3130 0913 400/3/50 956,7 279,5 3,423 953,9 3,380 5,400 A 953,9 6,51 - -	4070 1013 400/3/50 1071 316,2 3,387 1068 3,350 5,390 A 1068 6,53 - -	4230 1054 400/3/50 1168 335,5 3,481 1164 3,430 5,530 A 1164 6,20 - -	4570 1154 400/3/50 1313 382,5 3,433 1309 3,380 5,380 A 1309 6,43 - -	
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Notes: 1 Plant (side) cooling exchanger water (in/out) 12°C/7°C; Source (side) heat exchanger air (in) 35°C. 2 Values in compliance with EN14511 3 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. 4 Sound power on the basis of measurements made in compliance with ISO 9614. 5 Sound power level in cooling, outdoors. 6 Unit in standard configuration/execution, without optional accessories.

7 Seasonal energy efficiency of high temperature process cooling [REGULATION (EU) N. 2016/2281]
8 Seasonal Energy Efficiency of Process Cooling at Medium Temperature [REGULATION (EU) N. 2015/1095]
9 Seasonal energy efficiency ratio
The units highlighted in this publication contain R513A [GWP₁₀₀ 631] fluorinated greenhouse gases.

Certified data in EUROVENT

CERTIFIED	VPF	R R513A	💥 COOLING	A ENERGY CLASS
PERFORMANCE	VSPEED	CENTRIFUGAL	AXIAL	FL FLOODED



" EXPERIENCE IS BY FAR THE BEST PROOF"

Sir Francis Bacon British philosopher (1561-1626)





MAINOVA AG GUTLEUTSTRASSE

2012 Frankfurt - Germany

Energy

Plant type: Hydronic System Cooling capacity: 500 kW Installed machines: 2x TECS2/SL-CA 0251

UNILEVER RESEARCH & DEVELOPMENT CENTRE

2016 Wirral - Great Britain

Industrial Process

Plant type: Hydronic System Cooling capacity: 1484 kW Installed machines: 1x TECS2/D/SL-CA/S 0712, 1x TECS2/SL-CA/S 0712

FICO EATALY WORLD 2015-2017 Bologna - Italy

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Food & Drink

Cooling capacity: 6324 kW Installed machines: 2x TECS2 SL CA E 1424, 2x FOCS2 CA 6603, 1x FX 3902







Eco Changes is the Mitsubishi Electric Group's environmental statement, and expresses the Group's stance on environmental management. Through a wide range of businesses, we are helping contribute to the realization of a

MITSUBISHI ELECTRIC HYDRONICS & IT COOLING SYSTEMS S.p.A.

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