

Climaveneta Technical Documentation
TECS2-G05_0211_1154_201902_EN

REGULATION (EU) N. 2016/2281 FOR COMFORT CHILLERS

Ecodesign requirements for cooling products

AIR COOLED CHILLERS

TECS2-G05 0211 - 1154

Cooling Capacity Range 217 - 1309 [kW] - (EN14511 VALUE)
Nominal Cooling Capacity at TdesignC Range 217 - 1309 [kW]

EN



1. REGULATION (EU) N. 2016/2281 FOR COMFORT CHILLERS

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1. REGULATION (EU) N. 2016/2281 FOR COMFORT CHILLERS

1.1 Scope of the document

This document is compliant with the Commission Regulation (EU) N. 2016/2281 regarding "REQUIREMENTS FOR PRODUCT INFORMATION" (Annex II, Point 5). In particular, it deals with comfort chillers and contains information required by Table 10 of the above-mentioned regulation, which is entitled "Information requirements for comfort chillers".

1.2 REGULATION (EU) N. 2016/2281 description

The COMMISSION REGULATION (EU) N. 2016/2281 of 30 November 2016, implementing Directive 2009/125/EC of the European Parliament and of the Council, establishes eco-design requirements for the placing on the market and/or putting into service of: air heating products with a rated heating capacity which does not exceed 1MW, cooling products and high temperature process chillers with a rated cooling capacity which do not exceed 2 MW, and all fan coil units. All these energy-related products are defined in Article 2 of the Regulation in question.

1.3 Description of the data declared by Mitsubishi Electric Hydronics & IT Cooling Systems

- Comfort chiller: a cooling product designed with the aim of attaining and maintaining the desired indoor temperature for the thermal comfort of human beings, whose evaporator extracts heat from a water-based cooling system designed to operate at leaving chilled water temperatures greater than or equal to +2°C.
- Rated cooling capacity (Prated,c): the cooling capacity of a comfort chiller when providing space cooling at standard rating conditions, expressed in kW.
- Low temperature application: application where the comfort chiller delivers its declared capacity for cooling at an indoor heat exchanger outlet temperature of 7°C.
- Medium temperature application: application where the comfort chiller delivers its declared capacity for cooling at an indoor heat exchanger outlet temperature of 18°C.
- Seasonal energy efficiency of the space cooling ($\eta_{s,c}$): ratio between the space cooling demand pertaining to the designated cooling season, and the annual energy consumption required to meet this demand, expressed in %.
- Seasonal Energy Efficiency Ratio (SEER): the overall energy efficiency ratio of the comfort chiller, representative for the cooling season, calculated as the reference annual cooling demand divided by the annual energy consumption for cooling.
- Degradation coefficient for chillers: measure of efficiency loss due to cycling of the chiller.
- Off mode: a condition in which the chiller is connected to the main power source and is not providing any function.
- Thermostat off-mode: condition corresponding to the hours with no cooling load and activated cooling function, whereby the cooling function is switched on but the chiller is not operational.
- Crankcase heater mode: condition in which a heating device is activated to avoid the refrigerant migrating to the compressor so as to limit the refrigerant concentration in oil when the compressor is started.
- Standby mode: condition where the chiller is connected to the mains power source and depends on energy input from the mains power source to work as intended. The unit provides only the following functions, which may persist for an indefinite time: reactivation function, or reactivation function and only an indication of enabled reactivation function, and/or information or status display.
- Capacity control: the ability of a chiller to change its cooling capacity by changing the volumetric flow rate of at least one of the fluids needed to operate the refrigeration cycle.
- Sound power level (LWA): the A-weighted sound power level, indoors and/or outdoors, expressed in dB.
- Global warming potential (GWP) of the refrigerant: the 100-year climatic warming potential of one kilogram of a greenhouse gas relative to one kilogram of dioxide (CO2).

2. CLIMAVENETA CONTENTS UNIT

2.1 Table index

AIR COOLED CHILLERS

TECS2-G05 0211 - 1154

Cooling Capacity Range 217 - 1309 [kW]

Nominal Cooling Capacity at TdesignC Range 217 - 1309 [kW]

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TECS2-G05 /SL-CA 0211			
Outdoor side heat exchanger of chiller	air or water/brine		Air
Indoor side heat exchanger chiller	water		Water
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Driver of compressor	electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine		Electric motor
Rated cooling capacity	Prated,c	[kW]	229,6
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	188,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	230
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	169
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	137
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	100
Degradation coefficient for chillers	Cdc		0,9
Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Declared energy efficiency ratio at given outdoor temperatures Tj = 35°C	EERd	[%]	3,21
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,24
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	5,48
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	6,52
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	0,815
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,283
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	88,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	84744,00
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	-
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via Caduti di Cefalonia 1 - 36061 Bassano del Grappa (VI) - Italy

TECS2-G05 /SL-CA 0251			
Outdoor side heat exchanger of chiller	air or water/brine		Air
Indoor side heat exchanger chiller	water		Water
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Driver of compressor	electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine		Electric motor
Rated cooling capacity	Prated,c	[kW]	255,2
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	194,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	255
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	188
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	138
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	99,4
Degradation coefficient for chillers	Cdc		0,9
Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Declared energy efficiency ratio at given outdoor temperatures Tj = 35°C	EERd	[%]	3,13
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,33
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	5,64
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	6,61
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	0,724
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,283
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	88,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	84744,00
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	-
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via Caduti di Cefalonia 1 - 36061 Bassano del Grappa (VI) - Italy

TECS2-G05 /SL-CA 0351			
Outdoor side heat exchanger of chiller	air or water/brine		Air
Indoor side heat exchanger chiller	water		Water
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Driver of compressor	electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine		Electric motor
Rated cooling capacity	Prated,c	[kW]	342,4
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	192,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	342
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	252
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	162
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	131
Degradation coefficient for chillers	Cdc		0,9
Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Declared energy efficiency ratio at given outdoor temperatures Tj = 35°C	EERd	[%]	3,09
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,12
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	5,47
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	6,84
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	0,908
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,342
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	90,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	114696,00
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	-
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via Caduti di Cefalonia 1 - 36061 Bassano del Grappa (VI) - Italy

TECS2-G05 /SL-CA 0452			
Outdoor side heat exchanger of chiller	air or water/brine		Air
Indoor side heat exchanger chiller	water		Water
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Driver of compressor	electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine		Electric motor
Rated cooling capacity	Prated,c	[kW]	436,9
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	200,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	437
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	322
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	207
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	92,0
Degradation coefficient for chillers	Cdc		0,9
Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Declared energy efficiency ratio at given outdoor temperatures Tj = 35°C	EERd	[%]	3,15
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,24
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	5,58
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	7,01
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,043
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,456
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	90,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	144432,00
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	-
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TECS2-G05 /SL-CA 0512			
Outdoor side heat exchanger of chiller	air or water/brine		Air
Indoor side heat exchanger chiller	water		Water
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Driver of compressor	electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine		Electric motor
Rated cooling capacity	Prated,c	[kW]	501,3
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	203,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	501
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	369
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	237
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	106
Degradation coefficient for chillers	Cdc		0,9
Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Declared energy efficiency ratio at given outdoor temperatures Tj = 35°C	EERd	[%]	3,10
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,34
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	5,67
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	7,19
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,169
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,458
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	90,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	137016,00
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	-
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via Caduti di Cefalonia 1 - 36061 Bassano del Grappa (VI) - Italy

TECS2-G05 /SL-CA 0552			
Outdoor side heat exchanger of chiller	air or water/brine		Air
Indoor side heat exchanger chiller	water		Water
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Driver of compressor	electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine		Electric motor
Rated cooling capacity	Prated,c	[kW]	565,7
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	198,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	566
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	417
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	268
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	119
Degradation coefficient for chillers	Cdc		0,9
Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Declared energy efficiency ratio at given outdoor temperatures Tj = 35°C	EERd	[%]	3,23
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,30
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	5,43
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	6,90
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,587
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,516
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	91,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	174564,00
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	-
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via Caduti di Cefalonia 1 - 36061 Bassano del Grappa (VI) - Italy

TECS2-G05 /SL-CA 0652			
Outdoor side heat exchanger of chiller	air or water/brine		Air
Indoor side heat exchanger chiller	water		Water
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Driver of compressor	electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine		Electric motor
Rated cooling capacity	Prated,c	[kW]	641,9
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	201,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	642
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	473
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	304
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	135
Degradation coefficient for chillers	Cdc		0,9
Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Declared energy efficiency ratio at given outdoor temperatures Tj = 35°C	EERd	[%]	3,08
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,11
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	5,70
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	7,20
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,151
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,569
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	92,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	208080,00
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	-
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via Caduti di Cefalonia 1 - 36061 Bassano del Grappa (VI) - Italy

TECS2-G05 /SL-CA 0712			
Outdoor side heat exchanger of chiller	air or water/brine		Air
Indoor side heat exchanger chiller	water		Water
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Driver of compressor	electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine		Electric motor
Rated cooling capacity	Prated,c	[kW]	731,7
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	204,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	732
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	539
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	347
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	154
Degradation coefficient for chillers	Cdc		0,9
Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Declared energy efficiency ratio at given outdoor temperatures Tj = 35°C	EERd	[%]	3,23
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,15
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	5,67
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	7,43
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,601
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,576
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	92,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	197748,00
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	-
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via Caduti di Cefalonia 1 - 36061 Bassano del Grappa (VI) - Italy

TECS2-G05 /SL-CA 0853			
Outdoor side heat exchanger of chiller	air or water/brine		Air
Indoor side heat exchanger chiller	water		Water
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Driver of compressor	electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine		Electric motor
Rated cooling capacity	Prated,c	[kW]	838,5
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	200,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	838
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	618
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	397
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	177
Degradation coefficient for chillers	Cdc		0,9
Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Declared energy efficiency ratio at given outdoor temperatures Tj = 35°C	EERd	[%]	3,09
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,20
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	5,64
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	7,07
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	2,035
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,776
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	93,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	235260,00
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	-
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via Caduti di Cefalonia 1 - 36061 Bassano del Grappa (VI) - Italy

TECS2-G05 /SL-CA 0913			
Outdoor side heat exchanger of chiller	air or water/brine		Air
Indoor side heat exchanger chiller	water		Water
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Driver of compressor	electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine		Electric motor
Rated cooling capacity	Prated,c	[kW]	889,3
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	199,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	889
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	655
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	421
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	187
Degradation coefficient for chillers	Cdc		0,9
Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Declared energy efficiency ratio at given outdoor temperatures Tj = 35°C	EERd	[%]	3,07
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,09
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	5,56
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	7,32
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	2,368
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,828
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	93,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	293040,00
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	-
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TECS2-G05 /SL-CA 1013			
Outdoor side heat exchanger of chiller	air or water/brine		Air
Indoor side heat exchanger chiller	water		Water
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Driver of compressor	electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine		Electric motor
Rated cooling capacity	Prated,c	[kW]	962,5
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	201,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	962
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	709
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	456
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	203
Degradation coefficient for chillers	Cdc		0,9
Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Declared energy efficiency ratio at given outdoor temperatures Tj = 35°C	EERd	[%]	3,09
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,15
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	5,62
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	7,35
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	2,148
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,887
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	93,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	322344,00
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	-
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TECS2-G05 /SL-CA 1054			
Outdoor side heat exchanger of chiller	air or water/brine		Air
Indoor side heat exchanger chiller	water		Water
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Driver of compressor	electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine		Electric motor
Rated cooling capacity	Prated,c	[kW]	1053,0
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	200,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	1053
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	776
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	499
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	222
Degradation coefficient for chillers	Cdc		0,9
Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Declared energy efficiency ratio at given outdoor temperatures Tj = 35°C	EERd	[%]	3,12
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,37
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	5,53
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	6,98
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	2,712
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	1,003
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	94,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	349128,00
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	-
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TECS2-G05 /SL-CA 1154			
Outdoor side heat exchanger of chiller	air or water/brine		Air
Indoor side heat exchanger chiller	water		Water
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Driver of compressor	electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine		Electric motor
Rated cooling capacity	Prated,c	[kW]	1170,0
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	201,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	1170
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	862
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	554
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	246
Degradation coefficient for chillers	Cdc		0,9
Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Declared energy efficiency ratio at given outdoor temperatures Tj = 35°C	EERd	[%]	3,11
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,18
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	5,67
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	7,23
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	3,109
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	1,003
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	94,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	364320,00
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	-
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TECS2-G05 /SL-CA-E 0211			
Outdoor side heat exchanger of chiller	air or water/brine		Air
Indoor side heat exchanger chiller	water		Water
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Driver of compressor	electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine		Electric motor
Rated cooling capacity	Prated,c	[kW]	225,6
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	210,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	226
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	166
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	137
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	99,8
Degradation coefficient for chillers	Cdc		0,9
Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Declared energy efficiency ratio at given outdoor temperatures Tj = 35°C	EERd	[%]	3,31
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,60
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	6,12
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	7,93
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	0,786
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,201
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	88,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	84744,00
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	-
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TECS2-G05 /SL-CA-E 0251			
Outdoor side heat exchanger of chiller	air or water/brine		Air
Indoor side heat exchanger chiller	water		Water
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Driver of compressor	electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine		Electric motor
Rated cooling capacity	Prated,c	[kW]	281,9
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	216,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	282
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	208
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	134
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	87,0
Degradation coefficient for chillers	Cdc		0,9
Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Declared energy efficiency ratio at given outdoor temperatures Tj = 35°C	EERd	[%]	3,44
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,71
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	6,13
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	7,57
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	0,888
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,205
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	88,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	80316,00
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	-
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TECS2-G05 /SL-CA-E 0351			
Outdoor side heat exchanger of chiller	air or water/brine		Air
Indoor side heat exchanger chiller	water		Water
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Driver of compressor	electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine		Electric motor
Rated cooling capacity	Prated,c	[kW]	380,8
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	217,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	381
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	281
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	180
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	128
Degradation coefficient for chillers	Cdc		0,9
Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Declared energy efficiency ratio at given outdoor temperatures Tj = 35°C	EERd	[%]	3,34
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,46
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	6,18
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	8,26
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,147
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,211
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	90,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	108792,00
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	-
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TECS2-G05 /SL-CA-E 0452			
Outdoor side heat exchanger of chiller	air or water/brine		Air
Indoor side heat exchanger chiller	water		Water
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Driver of compressor	electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine		Electric motor
Rated cooling capacity	Prated,c	[kW]	449,4
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	229,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	449
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	331
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	213
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	94,6
Degradation coefficient for chillers	Cdc		0,9
Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Declared energy efficiency ratio at given outdoor temperatures Tj = 35°C	EERd	[%]	3,35
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,68
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	6,48
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	8,48
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,120
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,327
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	90,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	137016,00
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	-
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TECS2-G05 /SL-CA-E 0512			
Outdoor side heat exchanger of chiller	air or water/brine		Air
Indoor side heat exchanger chiller	water		Water
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Driver of compressor	electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine		Electric motor
Rated cooling capacity	Prated,c	[kW]	519,2
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	225,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	519
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	383
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	246
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	109
Degradation coefficient for chillers	Cdc		0,9
Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Declared energy efficiency ratio at given outdoor temperatures Tj = 35°C	EERd	[%]	3,34
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,56
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	6,32
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	8,51
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,277
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,336
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	90,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	137016,00
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	-
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TECS2-G05 /SL-CA-E 0552			
Outdoor side heat exchanger of chiller	air or water/brine		Air
Indoor side heat exchanger chiller	water		Water
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Driver of compressor	electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine		Electric motor
Rated cooling capacity	Prated,c	[kW]	581,8
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	219,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	582
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	429
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	276
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	122
Degradation coefficient for chillers	Cdc		0,9
Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Declared energy efficiency ratio at given outdoor temperatures Tj = 35°C	EERd	[%]	3,42
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,35
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	6,18
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	8,32
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,703
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,342
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	91,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	165708,00
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	-
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TECS2-G05 /SL-CA-E 0652			
Outdoor side heat exchanger of chiller	air or water/brine		Air
Indoor side heat exchanger chiller	water		Water
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Driver of compressor	electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine		Electric motor
Rated cooling capacity	Prated,c	[kW]	694,4
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	229,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	694
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	512
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	329
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	146
Degradation coefficient for chillers	Cdc		0,9
Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Declared energy efficiency ratio at given outdoor temperatures Tj = 35°C	EERd	[%]	3,39
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,46
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	6,48
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	8,82
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,402
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,348
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	92,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	197748,00
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	-
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TECS2-G05 /SL-CA-E 0712			
Outdoor side heat exchanger of chiller	air or water/brine		Air
Indoor side heat exchanger chiller	water		Water
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Driver of compressor	electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine		Electric motor
Rated cooling capacity	Prated,c	[kW]	784,3
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	226,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	784
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	578
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	372
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	165
Degradation coefficient for chillers	Cdc		0,9
Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Declared energy efficiency ratio at given outdoor temperatures Tj = 35°C	EERd	[%]	3,33
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,55
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	6,30
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	8,58
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,911
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,354
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	92,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	226008,00
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	-
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TECS2-G05 /SL-CA-E 0853			
Outdoor side heat exchanger of chiller	air or water/brine		Air
Indoor side heat exchanger chiller	water		Water
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Driver of compressor	electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine		Electric motor
Rated cooling capacity	Prated,c	[kW]	891,6
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	221,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	892
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	657
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	422
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	188
Degradation coefficient for chillers	Cdc		0,9
Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Declared energy efficiency ratio at given outdoor temperatures Tj = 35°C	EERd	[%]	3,36
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,50
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	6,43
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	7,74
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	2,384
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,523
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	93,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	246671,98
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	-
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TECS2-G05 /SL-CA-E 0913			
Outdoor side heat exchanger of chiller	air or water/brine		Air
Indoor side heat exchanger chiller	water		Water
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Driver of compressor	electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine		Electric motor
Rated cooling capacity	Prated,c	[kW]	953,9
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	224,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	954
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	703
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	452
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	201
Degradation coefficient for chillers	Cdc		0,9
Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Declared energy efficiency ratio at given outdoor temperatures Tj = 35°C	EERd	[%]	3,38
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,46
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	6,40
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	8,29
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	2,837
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,529
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	93,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	278280,00
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	-
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TECS2-G05 /SL-CA-E 1013			
Outdoor side heat exchanger of chiller	air or water/brine		Air
Indoor side heat exchanger chiller	water		Water
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Driver of compressor	electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine		Electric motor
Rated cooling capacity	Prated,c	[kW]	1068,0
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	225,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	1068
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	787
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	506
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	225
Degradation coefficient for chillers	Cdc		0,9
Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Declared energy efficiency ratio at given outdoor temperatures Tj = 35°C	EERd	[%]	3,35
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,44
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	6,54
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	8,20
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	2,813
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,535
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	93,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	306108,00
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	-
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TECS2-G05 /SL-CA-E 1054			
Outdoor side heat exchanger of chiller	air or water/brine		Air
Indoor side heat exchanger chiller	water		Water
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Driver of compressor	electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine		Electric motor
Rated cooling capacity	Prated,c	[kW]	1164,0
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	228,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	1164
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	858
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	551
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	245
Degradation coefficient for chillers	Cdc		0,9
Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Declared energy efficiency ratio at given outdoor temperatures Tj = 35°C	EERd	[%]	3,43
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,72
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	6,40
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	8,35
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	3,514
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,660
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	94,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	331416,00
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	-
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TECS2-G05 /SL-CA-E 1154			
Outdoor side heat exchanger of chiller	air or water/brine		Air
Indoor side heat exchanger chiller	water		Water
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Driver of compressor	electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine		Electric motor
Rated cooling capacity	Prated,c	[kW]	1309,0
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	224,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	1309
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	965
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	620
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	276
Degradation coefficient for chillers	Cdc		0,9
Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Declared energy efficiency ratio at given outdoor temperatures Tj = 35°C	EERd	[%]	3,38
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,53
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	6,28
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	8,44
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	4,164
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,666
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	95,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	364500,00
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	-
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TECS2-G05 /XL-CA 0211			
Outdoor side heat exchanger of chiller	air or water/brine		Air
Indoor side heat exchanger chiller	water		Water
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Driver of compressor	electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine		Electric motor
Rated cooling capacity	Prated,c	[kW]	217,2
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	188,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	217
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	160
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	137
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	101
Degradation coefficient for chillers	Cdc		0,9
Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Declared energy efficiency ratio at given outdoor temperatures Tj = 35°C	EERd	[%]	3,12
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,30
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	5,50
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	6,59
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	0,727
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,283
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	82,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	68148,00
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	-
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TECS2-G05 /XL-CA 0251			
Outdoor side heat exchanger of chiller	air or water/brine		Air
Indoor side heat exchanger chiller	water		Water
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Driver of compressor	electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine		Electric motor
Rated cooling capacity	Prated,c	[kW]	251,7
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	197,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	252
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	185
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	132
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	93,6
Degradation coefficient for chillers	Cdc		0,9
Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Declared energy efficiency ratio at given outdoor temperatures Tj = 35°C	EERd	[%]	3,14
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,49
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	5,66
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	6,64
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	0,703
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,283
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	82,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	64728,00
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	-
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TECS2-G05 /XL-CA 0351			
Outdoor side heat exchanger of chiller	air or water/brine		Air
Indoor side heat exchanger chiller	water		Water
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Driver of compressor	electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine		Electric motor
Rated cooling capacity	Prated,c	[kW]	337,7
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	195,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	338
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	249
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	160
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	129
Degradation coefficient for chillers	Cdc		0,9
Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Declared energy efficiency ratio at given outdoor temperatures Tj = 35°C	EERd	[%]	3,07
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,30
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	5,57
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	6,88
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	0,882
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,342
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	83,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	87048,00
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	-
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TECS2-G05 /XL-CA 0452			
Outdoor side heat exchanger of chiller	air or water/brine		Air
Indoor side heat exchanger chiller	water		Water
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Driver of compressor	electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine		Electric motor
Rated cooling capacity	Prated,c	[kW]	430,0
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	203,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	430
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	317
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	204
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	90,5
Degradation coefficient for chillers	Cdc		0,9
Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Declared energy efficiency ratio at given outdoor temperatures Tj = 35°C	EERd	[%]	3,14
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,42
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	5,67
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	7,06
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,003
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,456
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	83,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	109764,00
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	-
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TECS2-G05 /XL-CA 0512			
Outdoor side heat exchanger of chiller	air or water/brine		Air
Indoor side heat exchanger chiller	water		Water
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Driver of compressor	electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine		Electric motor
Rated cooling capacity	Prated,c	[kW]	517,9
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	203,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	518
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	382
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	245
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	109
Degradation coefficient for chillers	Cdc		0,9
Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Declared energy efficiency ratio at given outdoor temperatures Tj = 35°C	EERd	[%]	3,11
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,50
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	5,60
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	7,00
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,268
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,509
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	84,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	132876,00
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	-
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TECS2-G05 /XL-CA 0552			
Outdoor side heat exchanger of chiller	air or water/brine		Air
Indoor side heat exchanger chiller	water		Water
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Driver of compressor	electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine		Electric motor
Rated cooling capacity	Prated,c	[kW]	571,4
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	200,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	571
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	421
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	271
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	120
Degradation coefficient for chillers	Cdc		0,9
Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Declared energy efficiency ratio at given outdoor temperatures Tj = 35°C	EERd	[%]	3,31
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,50
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	5,41
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	6,83
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,627
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,576
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	85,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	167040,00
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	-
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TECS2-G05 /XL-CA 0652			
Outdoor side heat exchanger of chiller	air or water/brine		Air
Indoor side heat exchanger chiller	water		Water
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Driver of compressor	electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine		Electric motor
Rated cooling capacity	Prated,c	[kW]	632,9
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	206,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	633
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	466
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	300
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	133
Degradation coefficient for chillers	Cdc		0,9
Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Declared energy efficiency ratio at given outdoor temperatures Tj = 35°C	EERd	[%]	3,06
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,30
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	5,84
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	7,31
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,110
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,569
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	85,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	159048,00
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	-
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TECS2-G05 /XL-CA 0712			
Outdoor side heat exchanger of chiller	air or water/brine		Air
Indoor side heat exchanger chiller	water		Water
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Driver of compressor	electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine		Electric motor
Rated cooling capacity	Prated,c	[kW]	728,4
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	205,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	728
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	537
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	345
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	153
Degradation coefficient for chillers	Cdc		0,9
Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Declared energy efficiency ratio at given outdoor temperatures Tj = 35°C	EERd	[%]	3,20
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,32
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	5,67
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	7,24
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,583
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,576
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	86,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	181764,00
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	-
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TECS2-G05 /XL-CA 0853			
Outdoor side heat exchanger of chiller	air or water/brine		Air
Indoor side heat exchanger chiller	water		Water
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Driver of compressor	electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine		Electric motor
Rated cooling capacity	Prated,c	[kW]	863,6
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	203,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	864
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	636
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	409
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	182
Degradation coefficient for chillers	Cdc		0,9
Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Declared energy efficiency ratio at given outdoor temperatures Tj = 35°C	EERd	[%]	3,07
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,38
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	5,70
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	7,05
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	2,196
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,827
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	86,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	219564,00
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	-
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TECS2-G05 /XL-CA 0913			
Outdoor side heat exchanger of chiller	air or water/brine		Air
Indoor side heat exchanger chiller	water		Water
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Driver of compressor	electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine		Electric motor
Rated cooling capacity	Prated,c	[kW]	885,7
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	204,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	886
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	653
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	420
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	186
Degradation coefficient for chillers	Cdc		0,9
Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Declared energy efficiency ratio at given outdoor temperatures Tj = 35°C	EERd	[%]	3,03
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,28
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	5,69
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	7,49
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	2,343
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,828
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	86,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	223380,00
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	-
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TECS2-G05 /XL-CA 1013			
Outdoor side heat exchanger of chiller	air or water/brine		Air
Indoor side heat exchanger chiller	water		Water
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Driver of compressor	electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine		Electric motor
Rated cooling capacity	Prated,c	[kW]	957,0
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	206,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	957
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	705
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	453
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	201
Degradation coefficient for chillers	Cdc		0,9
Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Declared energy efficiency ratio at given outdoor temperatures Tj = 35°C	EERd	[%]	3,06
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,32
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	5,75
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	7,54
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	2,117
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,887
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	87,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	245700,00
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	-
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TECS2-G05 /XL-CA 1054			
Outdoor side heat exchanger of chiller	air or water/brine		Air
Indoor side heat exchanger chiller	water		Water
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Driver of compressor	electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine		Electric motor
Rated cooling capacity	Prated,c	[kW]	1037,0
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	204,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	1037
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	764
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	491
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	218
Degradation coefficient for chillers	Cdc		0,9
Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Declared energy efficiency ratio at given outdoor temperatures Tj = 35°C	EERd	[%]	3,12
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,53
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	5,62
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	7,09
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	2,607
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	1,003
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	87,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	265752,00
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	-
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TECS2-G05 /XL-CA 1154			
Outdoor side heat exchanger of chiller	air or water/brine		Air
Indoor side heat exchanger chiller	water		Water
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Driver of compressor	electric motor or fuel driven, gaseous or liquid fuel, internal or external combustion engine		Electric motor
Rated cooling capacity	Prated,c	[kW]	1160,0
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	204,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	1160
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	855
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	549
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	244
Degradation coefficient for chillers	Cdc		0,9
Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj			
Declared energy efficiency ratio at given outdoor temperatures Tj = 35°C	EERd	[%]	3,05
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,38
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	5,72
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	7,26
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	3,046
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	1,054
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	88,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	290376,00
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	-
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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mitsubishi electric hydronics & it cooling systems S.p.A.

Head Office: Via Caduti di Cefalonia 1 - 36061 Bassano del Grappa (VI) - Italy

Tel (+39) 0424 509 500 - Fax (+39) 0424 509 509

www.climaveneta.com

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