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

Climaveneta **Technical Documentation**
TX-W-G05_1A00_6D00_201903_EN

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

Ecodesign requirements for cooling products

WATER COOLED CHILLERS

TX-W-G05 1A00 - 6D00

Cooling Capacity Range 244 - 1918 [kW] - (EN14511 VALUE)
Nominal Cooling Capacity at TdesignC Range 244 - 1918 [kW]

EN

CLIMAVENETA®

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 (UE) 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 (ηs,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

WATER COOLED CHILLERS

TX-W-G05 1A00 - 6D00

Cooling Capacity Range 244 - 1918 [kW]

Nominal Cooling Capacity at TdesignC Range 244 - 1918 [kW]

TX-W-G05 /1A00 -			
Outdoor side heat exchanger of chiller	air or water/brine		Water/brine
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]	243,7
Seasonal energy efficiency of the space cooling	ηs,c	[%]	350,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	244
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	180
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	115
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	123
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	[%]	5,97
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	7,73
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	11,10
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	12,30
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,124
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,142
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]	-
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	49
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

TX-W-G05 /1B00 -			
Outdoor side heat exchanger of chiller	air or water/brine		Water/brine
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]	364,4
Seasonal energy efficiency of the space cooling	ηs,c	[%]	342,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	364
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	269
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	173
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	142
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	[%]	6,05
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	7,90
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	10,50
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	11,00
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,641
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,142
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]	-
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	73
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TX-W-G05 /1B1A -			
Outdoor side heat exchanger of chiller	air or water/brine		Water/brine
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]	581,9
Seasonal energy efficiency of the space cooling	ηs,c	[%]	349,0
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]	126
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	[%]	6,06
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	7,79
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	10,50
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	11,10
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	2,466
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,193
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]	-
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	116
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TX-W-G05 /1B2A -			
Outdoor side heat exchanger of chiller	air or water/brine		Water/brine
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]	818,9
Seasonal energy efficiency of the space cooling	ηs,c	[%]	347,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	819
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	603
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	388
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	172
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	[%]	5,91
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	7,64
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	10,30
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	11,30
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	2,950
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,254
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	97,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	-
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	164
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TX-W-G05 /1B3A -			
Outdoor side heat exchanger of chiller	air or water/brine		Water/brine
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]	1143,0
Seasonal energy efficiency of the space cooling	ηs,c	[%]	340,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	1143
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	842
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	541
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	241
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	[%]	5,97
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	7,83
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	10,30
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	10,50
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	5,465
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,304
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	98,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	-
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	229
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TX-W-G05 /1C00 -			
Outdoor side heat exchanger of chiller	air or water/brine		Water/brine
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]	458,9
Seasonal energy efficiency of the space cooling	ηs,c	[%]	352,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	459
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	338
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	217
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	185
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	[%]	6,08
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	7,97
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	10,80
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	11,90
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	2,077
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,142
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]	-
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	92
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TX-W-G05 /1C1A -			
Outdoor side heat exchanger of chiller	air or water/brine		Water/brine
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]	642,5
Seasonal energy efficiency of the space cooling	ηs,c	[%]	351,0
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	[%]	6,12
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	7,83
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	10,60
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	11,00
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	2,662
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,193
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	96,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	-
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	128
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TX-W-G05 /1C1B -			
Outdoor side heat exchanger of chiller	air or water/brine		Water/brine
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]	737,1
Seasonal energy efficiency of the space cooling	ηs,c	[%]	346,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	737
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	543
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	349
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	155
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	[%]	6,12
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	7,85
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	10,60
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	10,30
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	2,972
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,193
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	96,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	-
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	147
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TX-W-G05 /1C3B -			
Outdoor side heat exchanger of chiller	air or water/brine		Water/brine
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]	1708,0
Seasonal energy efficiency of the space cooling	ηs,c	[%]	328,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	1708
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	1259
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	809
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	360
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	[%]	5,91
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	7,79
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	10,10
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	9,72
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	10,459
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,304
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	99,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	-
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	342
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TX-W-G05 /1D00 -			
Outdoor side heat exchanger of chiller	air or water/brine		Water/brine
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]	658,5
Seasonal energy efficiency of the space cooling	ηs,c	[%]	323,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	658
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	485
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	312
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	[%]	5,89
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	7,60
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	10,20
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	9,79
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	4,235
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,142
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	96,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	-
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	132
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TX-W-G05 /1D1A -			
Outdoor side heat exchanger of chiller	air or water/brine		Water/brine
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]	748,2
Seasonal energy efficiency of the space cooling	ηs,c	[%]	340,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	748
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	551
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	354
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	158
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	[%]	5,92
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	7,59
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	10,30
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	10,70
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	3,385
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,193
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	97,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	-
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	150
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TX-W-G05 /1D1B -			
Outdoor side heat exchanger of chiller	air or water/brine		Water/brine
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]	857,2
Seasonal energy efficiency of the space cooling	ηs,c	[%]	341,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	857
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	632
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	406
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	180
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	[%]	6,01
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	7,74
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	10,50
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	10,20
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	3,947
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,193
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	97,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	-
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	171
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TX-W-G05 /1D1C -			
Outdoor side heat exchanger of chiller	air or water/brine		Water/brine
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]	1067,0
Seasonal energy efficiency of the space cooling	ηs,c	[%]	336,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	1067
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	786
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	505
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	[%]	5,99
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	7,74
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	10,40
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	10,20
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	6,073
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,193
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	97,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	-
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	213
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TX-W-G05 /1D2C -			
Outdoor side heat exchanger of chiller	air or water/brine		Water/brine
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]	1271,0
Seasonal energy efficiency of the space cooling	ηs,c	[%]	351,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	1271
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	937
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	602
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	268
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	[%]	6,11
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	7,81
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	10,60
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	11,10
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	5,560
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,254
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	99,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	-
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	254
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TX-W-G05 /2A00 -			
Outdoor side heat exchanger of chiller	air or water/brine		Water/brine
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]	522,3
Seasonal energy efficiency of the space cooling	ηs,c	[%]	347,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	522
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	385
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	247
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	125
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	[%]	5,90
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	7,77
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	10,60
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	11,10
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	2,363
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,193
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]	-
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	105
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TX-W-G05 /2B00 -			
Outdoor side heat exchanger of chiller	air or water/brine		Water/brine
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]	680,3
Seasonal energy efficiency of the space cooling	ηs,c	[%]	345,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	680
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	501
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	322
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	145
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	[%]	6,04
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	7,79
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	10,60
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	10,30
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	2,819
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,193
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	96,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	-
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	136
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TX-W-G05 /2B1A -			
Outdoor side heat exchanger of chiller	air or water/brine		Water/brine
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]	978,2
Seasonal energy efficiency of the space cooling	ηs,c	[%]	341,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	978
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	721
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	463
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	206
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	[%]	5,85
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	7,63
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	10,10
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	10,90
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	3,724
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,254
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	97,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	-
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	196
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TX-W-G05 /2B2A -			
Outdoor side heat exchanger of chiller	air or water/brine		Water/brine
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]	1240,0
Seasonal energy efficiency of the space cooling	ηs,c	[%]	334,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	1240
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	914
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	587
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	261
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	[%]	5,96
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	7,77
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	10,10
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	10,20
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	6,368
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,304
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	98,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	-
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	248
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TX-W-G05 /2B3A -			
Outdoor side heat exchanger of chiller	air or water/brine		Water/brine
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]	1674,0
Seasonal energy efficiency of the space cooling	ηs,c	[%]	322,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	1674
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	1233
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	793
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	352
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	[%]	5,90
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	7,68
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	10,10
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	9,53
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	11,628
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,435
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	99,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	-
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	335
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TX-W-G05 /2C00 -			
Outdoor side heat exchanger of chiller	air or water/brine		Water/brine
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]	916,7
Seasonal energy efficiency of the space cooling	ηs,c	[%]	348,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	917
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	675
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	434
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	193
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	[%]	6,06
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	7,95
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	10,70
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	10,60
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	4,515
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,193
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	97,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	-
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	183
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TX-W-G05 /2C1A -			
Outdoor side heat exchanger of chiller	air or water/brine		Water/brine
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]	1123,0
Seasonal energy efficiency of the space cooling	ηs,c	[%]	343,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	1123
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	827
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	532
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	236
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	[%]	6,10
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	7,88
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	10,40
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	10,50
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	5,566
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,254
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	98,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	-
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	224
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TX-W-G05 /2C1B -			
Outdoor side heat exchanger of chiller	air or water/brine		Water/brine
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]	1221,0
Seasonal energy efficiency of the space cooling	ηs,c	[%]	343,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	1221
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	900
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	578
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	257
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	[%]	6,12
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	7,89
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	10,40
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	10,40
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	5,851
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,254
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	98,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	-
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	244
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TX-W-G05 /2D00 -			
Outdoor side heat exchanger of chiller	air or water/brine		Water/brine
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]	984,1
Seasonal energy efficiency of the space cooling	ηs,c	[%]	346,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	984
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	725
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	466
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	207
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	[%]	5,85
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	7,72
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	11,20
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	9,91
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	4,451
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,193
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	98,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	-
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	198
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TX-W-G05 /2D1B -			
Outdoor side heat exchanger of chiller	air or water/brine		Water/brine
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]	1448,0
Seasonal energy efficiency of the space cooling	ηs,c	[%]	333,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	1448
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	1067
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	686
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	305
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	[%]	6,01
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	7,67
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	10,20
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	10,10
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	7,980
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,254
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	99,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	-
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	289
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TX-W-G05 /2D1C -			
Outdoor side heat exchanger of chiller	air or water/brine		Water/brine
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]	1848,0
Seasonal energy efficiency of the space cooling	ηs,c	[%]	321,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	1848
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	1362
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	875
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	389
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	[%]	5,92
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	7,70
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	10,10
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	9,44
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	13,853
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,254
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	99,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	-
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	370
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TX-W-G05 /3A00 -			
Outdoor side heat exchanger of chiller	air or water/brine		Water/brine
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]	723,3
Seasonal energy efficiency of the space cooling	ηs,c	[%]	345,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	723
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	533
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	343
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	152
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	[%]	5,83
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	7,59
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	10,30
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	11,20
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	2,641
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,254
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	96,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	-
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	145
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TX-W-G05 /3B00 -			
Outdoor side heat exchanger of chiller	air or water/brine		Water/brine
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]	1078,0
Seasonal energy efficiency of the space cooling	ηs,c	[%]	342,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	1078
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	794
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	511
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	227
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	[%]	5,85
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	7,61
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	10,20
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	10,80
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	4,085
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,254
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	97,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	-
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	216
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TX-W-G05 /3B1A -			
Outdoor side heat exchanger of chiller	air or water/brine		Water/brine
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]	1344,0
Seasonal energy efficiency of the space cooling	ηs,c	[%]	335,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	1344
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	990
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	637
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	283
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	[%]	5,97
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	7,74
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	10,10
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	10,30
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	6,731
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,304
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	98,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	-
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	269
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TX-W-G05 /3B2A -			
Outdoor side heat exchanger of chiller	air or water/brine		Water/brine
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]	1790,0
Seasonal energy efficiency of the space cooling	ηs,c	[%]	318,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	1790
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	1319
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	848
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	377
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	[%]	5,83
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	7,62
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	9,93
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	9,42
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	12,304
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,435
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	99,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	-
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	359
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TX-W-G05 /3C00 -			
Outdoor side heat exchanger of chiller	air or water/brine		Water/brine
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]	1301,0
Seasonal energy efficiency of the space cooling	ηs,c	[%]	349,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	1301
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	959
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	616
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	274
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	[%]	6,17
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	7,94
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	10,60
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	10,80
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	6,371
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,254
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	98,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	-
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	259
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TX-W-G05 /3C1A -			
Outdoor side heat exchanger of chiller	air or water/brine		Water/brine
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]	1738,0
Seasonal energy efficiency of the space cooling	ηs,c	[%]	331,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	1738
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	1281
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	823
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	366
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	[%]	5,94
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	7,82
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	10,20
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	9,89
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	10,539
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,304
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	99,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	-
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	348
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TX-W-G05 /3C1B -			
Outdoor side heat exchanger of chiller	air or water/brine		Water/brine
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]	1854,0
Seasonal energy efficiency of the space cooling	ηs,c	[%]	332,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	1854
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	1366
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	878
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	390
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	[%]	5,97
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	7,87
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	10,20
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	9,89
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	11,016
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,304
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	99,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	-
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	371
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TX-W-G05 /4B00 -			
Outdoor side heat exchanger of chiller	air or water/brine		Water/brine
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]	1443,0
Seasonal energy efficiency of the space cooling	ηs,c	[%]	336,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	1443
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	1063
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	684
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	304
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	[%]	6,02
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	7,77
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	10,10
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	10,30
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	7,063
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,304
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	98,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	-
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	289
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TX-W-G05 /4B1A -			
Outdoor side heat exchanger of chiller	air or water/brine		Water/brine
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]	1918,0
Seasonal energy efficiency of the space cooling	ηs,c	[%]	321,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	1918
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	1413
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	909
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	404
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	[%]	5,88
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	7,71
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	9,97
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	9,50
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	12,923
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,441
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	99,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	-
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	384
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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TX-W-G05 /4C00 -			
Outdoor side heat exchanger of chiller	air or water/brine		Water/brine
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]	1488,0
Seasonal energy efficiency of the space cooling	ηs,c	[%]	357,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	1488
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	1096
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	705
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	313
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	[%]	6,19
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	7,87
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	10,60
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	11,50
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	5,834
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,304
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	99,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	-
For water/brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		[m³/h]	296
Standard rating conditions used:	low temperature application/medium temperature application		Low temperature application

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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 sustainable society.

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