

Climaveneta Technical Documentation  
TECS-FC-G05\_0211\_1204\_201903\_EN

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

Ecodesign requirements for cooling products

AIR COOLED CHILLERS - FREECOOLING

**TECS-FC-G05 0211 - 1204**

Cooling Capacity Range 258 - 1416 [kW] - (EN14511 VALUE)  
Nominal Cooling Capacity at TdesignC Range 258 - 1416 [kW]

EN



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

1.1 Scope of the document	3
1.2 REGULATION (UE) N. 2016/2281 description	3
1.3 Description of the data declared by Mitsubishi Electric Hydronics & IT Cooling Systems	3

**2. CLIMAVENETA CONTENTS UNIT**

2.1 Table index	4
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**3. TECHNICAL PARAMETERS**

3.1 TECS-FC-G05 /CA	5
3.2 TECS-FC-G05 /K	23



# 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 - FREECOOLING

#### TECS-FC-G05 0211 - 1204

Cooling Capacity Range 258 - 1416 [kW]

Nominal Cooling Capacity at TdesignC Range 258 - 1416 [kW]

Units	Version	Size					Pag.
TECS-FC-G05	CA	0211	0211	0251	0251	0351	5
		0351	0452	0452	0552	0552	
		0712	0712	0803	0803	0903	
		0903	1003	1003			
TECS-FC-G05	K	0211	0211	0351	0351	0452	23
		0452	0552	0552	0652	0652	
		0712	0712	0903	0903	0953	
		0953	1003	1003	1164	1164	
		1204	1204				

TECS-FC-G05 /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]	268,1
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]	268
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	198
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	127
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	78,7
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	[%]	4,45
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	5,65
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	6,67
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,097
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,203
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]	87912,00
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

TECS-FC-G05 /NG /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]	267,6
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	191,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	268
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	197
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	127
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	78,2
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	[%]	3,04
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,39
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	[%]	6,36
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,604
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,214
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]	87912,00
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

TECS-FC-G05 /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]	317,1
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]	317
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	234
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	150
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	71,1
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	[%]	4,61
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	5,61
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	5,64
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,411
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,212
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	89,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	102024,00
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

TECS-FC-G05 /NG /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]	316,3
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	185,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	316
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	233
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	150
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	70,3
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	[%]	4,52
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	5,42
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	5,23
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	2,237
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,224
Other items			
Capacity control	fixed/staged/variable		Variable
Sound power level, outdoor	LWA	[dB(A)]	89,0
GWP of the refrigerant		[Kg CO2eq]	631
For air-to-water comfort chillers: air flow rate, outdoor measured		[m³/h]	102024,00
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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TECS-FC-G05 /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]	431,0
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]	431
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	318
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]	140
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	[%]	4,33
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	5,89
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]	1,854
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,218
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]	129635,99
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

TECS-FC-G05 /NG /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]	429,9
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	189,0
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]	139
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	[%]	3,02
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,25
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	5,68
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	6,25
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	2,985
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,230
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]	129635,99
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

TECS-FC-G05 /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]	529,3
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]	529
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	390
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	251
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	111
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	[%]	4,32
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	5,85
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	7,16
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	2,018
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,334
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]	166968,00
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

TECS-FC-G05 /NG /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]	528,1
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]	528
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	389
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	250
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	111
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	[%]	3,01
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,25
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	[%]	6,60
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	3,234
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,346
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]	166968,00
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

TECS-FC-G05 /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]	642,5
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]	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	[%]	3,44
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,58
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	[%]	6,95
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	2,930
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,356
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]	217548,00
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

TECS-FC-G05 /NG /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]	640,5
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	193,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	640
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	472
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	303
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	[%]	3,39
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,47
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	5,45
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	6,25
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	4,941
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,368
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]	217548,00
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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TECS-FC-G05 /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]	857,3
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	202,0
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	[%]	3,03
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	[%]	5,86
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	6,82
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	3,453
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,368
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]	259308,00
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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TECS-FC-G05 /NG /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]	855,4
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	193,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	855
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	630
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	405
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	[%]	3,00
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,25
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	[%]	6,32
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	5,419
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,400
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]	259308,00
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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TECS-FC-G05 /CA /0803			
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]	962,2
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]	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	[%]	3,45
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,58
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	[%]	6,77
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	2,935
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,542
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]	321264,00
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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TECS-FC-G05 /NG /CA /0803			
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]	960,4
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	196,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	960
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	708
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	455
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	202
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	[%]	4,51
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	5,39
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	6,33
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	4,664
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,559
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]	321264,00
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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TECS-FC-G05 /CA /0903			
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]	1073,0
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]	1073
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	791
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	508
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	226
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	[%]	3,30
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	[%]	5,44
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	6,44
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	3,903
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,548
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]	348048,00
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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TECS-FC-G05 /NG /CA /0903			
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]	1071,0
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	189,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	1071
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	789
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	507
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	[%]	3,27
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,39
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	5,28
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	5,98
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	6,179
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,566
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]	348048,00
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

TECS-FC-G05 /CA /1003			
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]	1233,0
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	193,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	1233
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	909
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	584
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	260
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	[%]	2,87
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,10
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	[%]	6,96
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	4,524
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,548
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]	348048,00
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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TECS-FC-G05 /NG /CA /1003			
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]	1230,0
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	182,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	1230
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	906
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	583
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	259
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	[%]	2,84
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,02
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	5,22
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	6,29
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	7,860
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,566
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]	348048,00
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

TECS-FC-G05 /K /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]	258,2
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]	258
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	190
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	123
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	83,8
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	[%]	2,93
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,29
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	5,51
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	6,65
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	0,997
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,203
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]	93600,00
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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TECS-FC-G05 /NG /K /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]	257,7
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	186,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	258
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	190
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	123
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	83,3
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	[%]	2,91
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,23
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	5,38
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	6,38
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,460
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,214
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]	93600,00
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



TECS-FC-G05 /K /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]	411,3
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	182,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	411
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	303
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	195
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	144
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	[%]	2,81
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,01
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	5,37
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	6,04
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,644
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,212
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]	122004,00
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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TECS-FC-G05 /NG /K /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]	410,2
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	174,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	410
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	302
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	194
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	143
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	[%]	2,78
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	3,94
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	5,18
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	5,74
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	2,706
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,224
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]	122004,00
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

TECS-FC-G05 /K /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]	503,6
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	183,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	504
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	371
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	239
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	[%]	2,84
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,03
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	5,38
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	5,65
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	1,777
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,328
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]	154368,00
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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TECS-FC-G05 /NG /K /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]	502,5
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	175,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	502
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	370
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	238
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	[%]	2,81
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	3,97
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	5,22
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	5,31
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	2,850
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,340
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]	154368,00
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

TECS-FC-G05 /K /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]	601,6
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]	602
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	443
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	285
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	127
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	[%]	3,25
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,41
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	5,78
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	7,11
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	2,472
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,343
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]	166968,00
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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TECS-FC-G05 /NG /K /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]	599,9
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	193,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	600
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	442
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	284
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	[%]	3,21
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	[%]	5,55
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	6,43
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	4,167
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,356
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]	166968,00
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

TECS-FC-G05 /K /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]	790,5
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	185,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	790
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	582
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	374
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	166
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	[%]	2,69
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	3,99
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	[%]	5,88
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	2,909
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,350
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]	222696,00
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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TECS-FC-G05 /NG /K /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]	788,6
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	177,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	789
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	581
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	374
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	166
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	[%]	2,66
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	3,93
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	5,35
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	5,47
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	4,844
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,361
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]	222696,00
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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TECS-FC-G05 /K /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]	841,6
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	186,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	842
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	620
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	399
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	[%]	2,92
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	[%]	5,48
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	5,70
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	3,291
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,356
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]	254484,02
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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TECS-FC-G05 /NG /K /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]	839,7
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	178,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	840
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	619
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	398
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	[%]	2,89
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,08
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	5,31
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	5,34
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	5,163
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,368
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]	254484,02
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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TECS-FC-G05 /K /0903			
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]	1035,0
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	181,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	1035
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	763
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	490
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	[%]	4,19
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	5,03
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	5,49
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	3,548
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,530
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]	316260,00
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

TECS-FC-G05 /NG /K /0903			
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]	1033,0
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	174,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	1033
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	761
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	489
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	217
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	[%]	4,13
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	4,91
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	5,17
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	5,630
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,548
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]	316260,00
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

TECS-FC-G05 /K /0953			
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]	1056,0
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	174,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	1056
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	778
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	500
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	[%]	2,76
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	3,88
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	4,84
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	5,62
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	3,018
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,530
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]	308736,00
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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TECS-FC-G05 /NG /K /0953			
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]	1054,0
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	167,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	1054
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	777
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	[%]	2,74
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	3,83
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	4,72
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	5,28
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	5,239
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,548
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]	308736,00
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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TECS-FC-G05 /K /1003			
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]	1201,0
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	177,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	1201
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	885
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	569
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	253
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	[%]	2,73
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	3,89
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	5,02
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	5,81
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	4,218
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,536
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]	345816,00
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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TECS-FC-G05 /NG /K /1003			
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]	1198,0
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	168,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	1198
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	883
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	567
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	252
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	[%]	2,70
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	3,82
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	4,86
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	5,36
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	7,323
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,553
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]	345816,00
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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TECS-FC-G05 /K /1164			
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]	1343,0
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	170,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	1343
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]	636
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	[%]	2,86
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	3,94
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	4,77
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	5,16
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	4,807
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,668
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]	408672,00
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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TECS-FC-G05 /NG /K /I164			
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]	1339,0
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	161,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	1339
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	987
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	634
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	282
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	[%]	2,83
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	3,86
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	4,60
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	4,75
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	8,899
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,685
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]	408672,00
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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TECS-FC-G05 /K /1204			
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]	1416,0
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	172,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	1416
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	1043
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	671
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	298
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	[%]	2,97
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	4,02
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	4,83
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	5,11
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	5,527
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,668
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]	416016,00
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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TECS-FC-G05 /NG /K /1204			
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]	1412,0
Seasonal energy efficiency of the space cooling	$\eta_{s,c}$	[%]	162,0
Declared cooling capacity for part load at given outdoor temperatures Tj			
Declared cooling capacity at given outdoor temperatures Tj = 35°C	Pdc	[kW]	1412
Declared cooling capacity at given outdoor temperatures Tj = 30°C	Pdc	[kW]	1040
Declared cooling capacity at given outdoor temperatures Tj = 25°C	Pdc	[kW]	669
Declared cooling capacity at given outdoor temperatures Tj = 20°C	Pdc	[kW]	297
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	[%]	2,93
Declared energy efficiency ratio at given outdoor temperatures Tj = 30°C	EERd	[%]	3,93
Declared energy efficiency ratio at given outdoor temperatures Tj = 25°C	EERd	[%]	4,64
Declared energy efficiency ratio at given outdoor temperatures Tj = 20°C	EERd	[%]	4,67
Power consumption in modes other than "active mode"			
Off mode	POFF	[kW]	0,000
Thermostat-off mode	PTO	[kW]	10,295
Crankcase heater mode	PCK	[kW]	0,000
Standby mode	PSB	[kW]	0,685
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]	416016,00
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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