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

Climaveneta **Technical Documentation**
FX-FC-Y_1502_6002_201802_ML

REGULATION (EU) N. 2016/2281 FOR HIGH TEMPERATURE PROCESS CHILLERS

Ecodesign requirements for process chillers

AIR COOLED CHILLERS - FREECOOLING

FX-FC-Y 1502 - 6002

Cooling Capacity Range 288 - 1240 [kW] - (EN14511 VALUE)
Nominal Cooling Capacity at TdesignC Range 288 - 1240 [kW]

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1. REGULATION (EU) N. 2016/2281 FOR HIGH TEMPERATURE PROCESS 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 high temperature process chillers and contains information required by Table 15 of the above-mentioned regulation, which is entitled “Information requirements for high temperature process 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

- High temperature process chiller: a product designed to cool down and continuously maintain the temperature of a liquid to provide cooling to a refrigerated appliance or system, whose aim is not to provide cooling for the thermal comfort of human beings. It is capable of delivering its rated refrigeration capacity at an indoor side heat exchanger outlet temperature of 7°C, at standard rating conditions.
- Rated refrigeration capacity (P): the refrigeration capacity that the high temperature process chiller is able to reach when operating at full load at a specific rating point, expressed in kW.
- Seasonal Energy Performance Ratio (SEPR): the efficiency ratio of a high temperature process chiller at standard rating conditions, representative of the variations in load and ambient temperature throughout the year, and calculated as the ratio between the annual refrigeration demand and the annual electricity consumption.
- Annual electricity consumption: result of the sum of the ratios between each bin-specific cooling demand and the corresponding bin-specific energy efficiency ratio, multiplied by the corresponding number of bin hours.
- Degradation coefficient for chillers: measure of efficiency loss due to cycling of the chiller.
- 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.
- 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

FX-FC-Y 1502 - 6002

Cooling Capacity Range 288 - 1240 [kW]

Nominal Cooling Capacity at TdesignC Range 288 - 1240 [kW]

FX-FC-Y /SL-T+ /1502 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		6,02
Annual electricity consumption	Q	[kWh]	355611
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	288,86
Rated power input	D_A	[kW]	94,70
Rated energy efficiency ratio	$EER_{DC,A}$		3,05
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	269,64
Rated power input	D_B	[kW]	66,30
Declared energy efficiency ratio	$EER_{DC,B}$		4,07
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	250,38
Rated power input	D_C	[kW]	49,40
Declared energy efficiency ratio	$EER_{DC,C}$		5,07
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	231,12
Rated power input	D_D	[kW]	26,96
Declared energy efficiency ratio	$EER_{DC,D}$		8,57
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /NG /SL-T+ /1502 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		5,62
Annual electricity consumption	Q	[kWh]	379557
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	288,10
Rated power input	D_A	[kW]	95,40
Rated energy efficiency ratio	$EER_{DC,A}$		3,02
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	268,89
Rated power input	D_B	[kW]	66,80
Declared energy efficiency ratio	$EER_{DC,B}$		4,03
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	249,69
Rated power input	D_C	[kW]	49,80
Declared energy efficiency ratio	$EER_{DC,C}$		5,01
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	230,48
Rated power input	D_D	[kW]	31,54
Declared energy efficiency ratio	$EER_{DC,D}$		7,31
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /SL-T+ /1702 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		5,88
Annual electricity consumption	Q	[kWh]	411627
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	326,70
Rated power input	D_A	[kW]	105,00
Rated energy efficiency ratio	$EER_{DC,A}$		3,11
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	304,92
Rated power input	D_B	[kW]	76,81
Declared energy efficiency ratio	$EER_{DC,B}$		3,97
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	283,14
Rated power input	D_C	[kW]	57,91
Declared energy efficiency ratio	$EER_{DC,C}$		4,89
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	261,36
Rated power input	D_D	[kW]	30,85
Declared energy efficiency ratio	$EER_{DC,D}$		8,47
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

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FX-FC-Y /NG /SL-T+ /1702 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		5,43
Annual electricity consumption	Q	[kWh]	444337
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	325,70
Rated power input	D_A	[kW]	105,70
Rated energy efficiency ratio	$EER_{DC,A}$		3,08
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	303,99
Rated power input	D_B	[kW]	77,51
Declared energy efficiency ratio	$EER_{DC,B}$		3,92
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	282,27
Rated power input	D_C	[kW]	58,51
Declared energy efficiency ratio	$EER_{DC,C}$		4,82
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	260,56
Rated power input	D_D	[kW]	37,04
Declared energy efficiency ratio	$EER_{DC,D}$		7,04
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /SL-T+ /1902 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		6,26
Annual electricity consumption	Q	[kWh]	441335
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	373,10
Rated power input	D_A	[kW]	122,30
Rated energy efficiency ratio	$EER_{DC,A}$		3,05
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	348,23
Rated power input	D_B	[kW]	83,91
Declared energy efficiency ratio	$EER_{DC,B}$		4,15
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	323,35
Rated power input	D_C	[kW]	60,91
Declared energy efficiency ratio	$EER_{DC,C}$		5,31
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	298,48
Rated power input	D_D	[kW]	33,29
Declared energy efficiency ratio	$EER_{DC,D}$		8,97
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /NG /SL-T+ /1902 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		5,75
Annual electricity consumption	Q	[kWh]	479373
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	372,10
Rated power input	D_A	[kW]	123,20
Rated energy efficiency ratio	$EER_{DC,A}$		3,02
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	347,29
Rated power input	D_B	[kW]	84,51
Declared energy efficiency ratio	$EER_{DC,B}$		4,11
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	322,49
Rated power input	D_C	[kW]	61,51
Declared energy efficiency ratio	$EER_{DC,C}$		5,24
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	297,68
Rated power input	D_D	[kW]	40,66
Declared energy efficiency ratio	$EER_{DC,D}$		7,32
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /SL-T+ /2002 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		6,30
Annual electricity consumption	Q	[kWh]	490272
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	416,87
Rated power input	D_A	[kW]	138,00
Rated energy efficiency ratio	$EER_{DC,A}$		3,02
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	389,11
Rated power input	D_B	[kW]	93,77
Declared energy efficiency ratio	$EER_{DC,B}$		4,15
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	361,31
Rated power input	D_C	[kW]	67,87
Declared energy efficiency ratio	$EER_{DC,C}$		5,32
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	333,52
Rated power input	D_D	[kW]	36,70
Declared energy efficiency ratio	$EER_{DC,D}$		9,09
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /NG /SL-T+ /2002 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		5,79
Annual electricity consumption	Q	[kWh]	532392
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	415,70
Rated power input	D_A	[kW]	139,00
Rated energy efficiency ratio	$EER_{DC,A}$		2,99
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	387,99
Rated power input	D_B	[kW]	94,47
Declared energy efficiency ratio	$EER_{DC,B}$		4,11
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	360,27
Rated power input	D_C	[kW]	68,67
Declared energy efficiency ratio	$EER_{DC,C}$		5,25
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	332,56
Rated power input	D_D	[kW]	44,76
Declared energy efficiency ratio	$EER_{DC,D}$		7,43
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /SL-T+ /2202 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		6,24
Annual electricity consumption	Q	[kWh]	542884
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	457,50
Rated power input	D_A	[kW]	151,00
Rated energy efficiency ratio	$EER_{DC,A}$		3,03
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	427,00
Rated power input	D_B	[kW]	105,17
Declared energy efficiency ratio	$EER_{DC,B}$		4,06
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	396,50
Rated power input	D_C	[kW]	75,37
Declared energy efficiency ratio	$EER_{DC,C}$		5,26
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	366,00
Rated power input	D_D	[kW]	40,27
Declared energy efficiency ratio	$EER_{DC,D}$		9,09
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /NG /SL-T+ /2202 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		5,65
Annual electricity consumption	Q	[kWh]	598150
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	456,00
Rated power input	D_A	[kW]	152,50
Rated energy efficiency ratio	$EER_{DC,A}$		2,99
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	425,60
Rated power input	D_B	[kW]	106,07
Declared energy efficiency ratio	$EER_{DC,B}$		4,01
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	395,20
Rated power input	D_C	[kW]	76,37
Declared energy efficiency ratio	$EER_{DC,C}$		5,17
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	364,80
Rated power input	D_D	[kW]	50,87
Declared energy efficiency ratio	$EER_{DC,D}$		7,17
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /SL-T+ /2602 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		6,26
Annual electricity consumption	Q	[kWh]	648020
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	547,19
Rated power input	D_A	[kW]	177,10
Rated energy efficiency ratio	$EER_{DC,A}$		3,09
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	510,72
Rated power input	D_B	[kW]	120,46
Declared energy efficiency ratio	$EER_{DC,B}$		4,24
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	474,24
Rated power input	D_C	[kW]	86,56
Declared energy efficiency ratio	$EER_{DC,C}$		5,48
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	437,76
Rated power input	D_D	[kW]	51,24
Declared energy efficiency ratio	$EER_{DC,D}$		8,54
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

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FX-FC-Y /NG /SL-T+ /2602 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		5,64
Annual electricity consumption	Q	[kWh]	716873
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	545,58
Rated power input	D_A	[kW]	178,90
Rated energy efficiency ratio	$EER_{DC,A}$		3,05
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	509,23
Rated power input	D_B	[kW]	121,46
Declared energy efficiency ratio	$EER_{DC,B}$		4,19
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	472,85
Rated power input	D_C	[kW]	87,56
Declared energy efficiency ratio	$EER_{DC,C}$		5,40
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	436,48
Rated power input	D_D	[kW]	65,09
Declared energy efficiency ratio	$EER_{DC,D}$		6,71
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /SL-T+ /2702 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		6,18
Annual electricity consumption	Q	[kWh]	690056
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	575,50
Rated power input	D_A	[kW]	197,10
Rated energy efficiency ratio	$EER_{DC,A}$		2,92
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	537,13
Rated power input	D_B	[kW]	132,16
Declared energy efficiency ratio	$EER_{DC,B}$		4,06
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	498,77
Rated power input	D_C	[kW]	95,76
Declared energy efficiency ratio	$EER_{DC,C}$		5,21
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	460,40
Rated power input	D_D	[kW]	51,46
Declared energy efficiency ratio	$EER_{DC,D}$		8,95
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

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FX-FC-Y /NG /SL-T+ /2702 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		5,56
Annual electricity consumption	Q	[kWh]	764174
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	573,90
Rated power input	D_A	[kW]	197,90
Rated energy efficiency ratio	$EER_{DC,A}$		2,90
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	535,64
Rated power input	D_B	[kW]	133,06
Declared energy efficiency ratio	$EER_{DC,B}$		4,03
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	497,38
Rated power input	D_C	[kW]	96,76
Declared energy efficiency ratio	$EER_{DC,C}$		5,14
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	459,12
Rated power input	D_D	[kW]	66,04
Declared energy efficiency ratio	$EER_{DC,D}$		6,95
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /SL-T+ /3002 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		6,24
Annual electricity consumption	Q	[kWh]	741956
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	625,16
Rated power input	D_A	[kW]	204,30
Rated energy efficiency ratio	$EER_{DC,A}$		3,06
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	583,52
Rated power input	D_B	[kW]	139,49
Declared energy efficiency ratio	$EER_{DC,B}$		4,18
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	541,84
Rated power input	D_C	[kW]	102,59
Declared energy efficiency ratio	$EER_{DC,C}$		5,28
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	500,16
Rated power input	D_D	[kW]	56,19
Declared energy efficiency ratio	$EER_{DC,D}$		8,90
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /NG /SL-T+ /3002 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		5,64
Annual electricity consumption	Q	[kWh]	819208
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	623,18
Rated power input	D_A	[kW]	206,40
Rated energy efficiency ratio	$EER_{DC,A}$		3,02
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	581,65
Rated power input	D_B	[kW]	140,89
Declared energy efficiency ratio	$EER_{DC,B}$		4,13
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	540,11
Rated power input	D_C	[kW]	103,89
Declared energy efficiency ratio	$EER_{DC,C}$		5,20
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	498,56
Rated power input	D_D	[kW]	71,18
Declared energy efficiency ratio	$EER_{DC,D}$		7,00
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /SL-T+ /3202 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		6,28
Annual electricity consumption	Q	[kWh]	771870
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	653,70
Rated power input	D_A	[kW]	222,30
Rated energy efficiency ratio	$EER_{DC,A}$		2,94
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	610,12
Rated power input	D_B	[kW]	148,49
Declared energy efficiency ratio	$EER_{DC,B}$		4,11
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	566,54
Rated power input	D_C	[kW]	107,19
Declared energy efficiency ratio	$EER_{DC,C}$		5,29
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	522,96
Rated power input	D_D	[kW]	57,33
Declared energy efficiency ratio	$EER_{DC,D}$		9,12
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /NG /SL-T+ /3202 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		5,66
Annual electricity consumption	Q	[kWh]	852549
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	651,40
Rated power input	D_A	[kW]	225,40
Rated energy efficiency ratio	$EER_{DC,A}$		2,89
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	607,97
Rated power input	D_B	[kW]	150,09
Declared energy efficiency ratio	$EER_{DC,B}$		4,05
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	564,55
Rated power input	D_C	[kW]	108,79
Declared energy efficiency ratio	$EER_{DC,C}$		5,19
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	521,12
Rated power input	D_D	[kW]	72,66
Declared energy efficiency ratio	$EER_{DC,D}$		7,17
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /SL-T+ /3402 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		6,07
Annual electricity consumption	Q	[kWh]	841350
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	689,65
Rated power input	D_A	[kW]	245,40
Rated energy efficiency ratio	$EER_{DC,A}$		2,81
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	643,72
Rated power input	D_B	[kW]	162,30
Declared energy efficiency ratio	$EER_{DC,B}$		3,97
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	597,74
Rated power input	D_C	[kW]	114,40
Declared energy efficiency ratio	$EER_{DC,C}$		5,22
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	551,76
Rated power input	D_D	[kW]	63,81
Declared energy efficiency ratio	$EER_{DC,D}$		8,65
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /NG /SL-T+ /3402 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		5,47
Annual electricity consumption	Q	[kWh]	931623
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	688,10
Rated power input	D_A	[kW]	247,50
Rated energy efficiency ratio	$EER_{DC,A}$		2,78
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	642,23
Rated power input	D_B	[kW]	162,90
Declared energy efficiency ratio	$EER_{DC,B}$		3,94
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	596,35
Rated power input	D_C	[kW]	115,10
Declared energy efficiency ratio	$EER_{DC,C}$		5,18
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	550,48
Rated power input	D_D	[kW]	82,26
Declared energy efficiency ratio	$EER_{DC,D}$		6,69
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /SL-T+ /3602 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		6,13
Annual electricity consumption	Q	[kWh]	929382
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	769,00
Rated power input	D_A	[kW]	258,90
Rated energy efficiency ratio	$EER_{DC,A}$		2,97
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	717,73
Rated power input	D_B	[kW]	177,80
Declared energy efficiency ratio	$EER_{DC,B}$		4,04
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	666,47
Rated power input	D_C	[kW]	126,20
Declared energy efficiency ratio	$EER_{DC,C}$		5,28
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	615,20
Rated power input	D_D	[kW]	71,08
Declared energy efficiency ratio	$EER_{DC,D}$		8,66
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /NG /SL-T+ /3602 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		5,54
Annual electricity consumption	Q	[kWh]	1025770
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	766,80
Rated power input	D_A	[kW]	261,70
Rated energy efficiency ratio	$EER_{DC,A}$		2,93
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	715,68
Rated power input	D_B	[kW]	178,70
Declared energy efficiency ratio	$EER_{DC,B}$		4,01
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	664,56
Rated power input	D_C	[kW]	127,50
Declared energy efficiency ratio	$EER_{DC,C}$		5,21
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	613,44
Rated power input	D_D	[kW]	90,34
Declared energy efficiency ratio	$EER_{DC,D}$		6,79
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /SL-T+ /3902 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		5,97
Annual electricity consumption	Q	[kWh]	1018542
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	820,10
Rated power input	D_A	[kW]	280,90
Rated energy efficiency ratio	$EER_{DC,A}$		2,92
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	765,43
Rated power input	D_B	[kW]	192,00
Declared energy efficiency ratio	$EER_{DC,B}$		3,99
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	710,75
Rated power input	D_C	[kW]	137,90
Declared energy efficiency ratio	$EER_{DC,C}$		5,15
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	656,08
Rated power input	D_D	[kW]	78,80
Declared energy efficiency ratio	$EER_{DC,D}$		8,33
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /NG /SL-T+ /3902 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		5,43
Annual electricity consumption	Q	[kWh]	1116359
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	817,50
Rated power input	D_A	[kW]	282,90
Rated energy efficiency ratio	$EER_{DC,A}$		2,89
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	763,00
Rated power input	D_B	[kW]	193,20
Declared energy efficiency ratio	$EER_{DC,B}$		3,95
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	708,50
Rated power input	D_C	[kW]	139,50
Declared energy efficiency ratio	$EER_{DC,C}$		5,08
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	654,00
Rated power input	D_D	[kW]	98,13
Declared energy efficiency ratio	$EER_{DC,D}$		6,66
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /SL-T+ /4202 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		5,80
Annual electricity consumption	Q	[kWh]	1097157
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	859,25
Rated power input	D_A	[kW]	298,40
Rated energy efficiency ratio	$EER_{DC,A}$		2,88
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	802,01
Rated power input	D_B	[kW]	205,50
Declared energy efficiency ratio	$EER_{DC,B}$		3,90
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	744,73
Rated power input	D_C	[kW]	148,60
Declared energy efficiency ratio	$EER_{DC,C}$		5,01
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	687,44
Rated power input	D_D	[kW]	85,17
Declared energy efficiency ratio	$EER_{DC,D}$		8,07
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /NG /SL-T+ /4202 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		5,21
Annual electricity consumption	Q	[kWh]	1216814
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	856,20
Rated power input	D_A	[kW]	301,50
Rated energy efficiency ratio	$EER_{DC,A}$		2,84
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	799,12
Rated power input	D_B	[kW]	207,10
Declared energy efficiency ratio	$EER_{DC,B}$		3,86
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	742,04
Rated power input	D_C	[kW]	150,70
Declared energy efficiency ratio	$EER_{DC,C}$		4,92
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	684,96
Rated power input	D_D	[kW]	108,82
Declared energy efficiency ratio	$EER_{DC,D}$		6,30
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /SL-T+ /4502 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		6,16
Annual electricity consumption	Q	[kWh]	1158300
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	962,69
Rated power input	D_A	[kW]	316,70
Rated energy efficiency ratio	$EER_{DC,A}$		3,04
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	898,52
Rated power input	D_B	[kW]	220,11
Declared energy efficiency ratio	$EER_{DC,B}$		4,08
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	834,34
Rated power input	D_C	[kW]	161,21
Declared energy efficiency ratio	$EER_{DC,C}$		5,18
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	770,16
Rated power input	D_D	[kW]	86,65
Declared energy efficiency ratio	$EER_{DC,D}$		8,89
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /NG /SL-T+ /4502 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		5,52
Annual electricity consumption	Q	[kWh]	1288472
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	959,70
Rated power input	D_A	[kW]	319,90
Rated energy efficiency ratio	$EER_{DC,A}$		3,00
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	895,72
Rated power input	D_B	[kW]	221,81
Declared energy efficiency ratio	$EER_{DC,B}$		4,04
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	831,74
Rated power input	D_C	[kW]	163,01
Declared energy efficiency ratio	$EER_{DC,C}$		5,10
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	767,76
Rated power input	D_D	[kW]	112,24
Declared energy efficiency ratio	$EER_{DC,D}$		6,84
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /SL-T+ /4802 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		6,07
Annual electricity consumption	Q	[kWh]	1224383
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	1002,54
Rated power input	D_A	[kW]	345,90
Rated energy efficiency ratio	$EER_{DC,A}$		2,90
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	936,13
Rated power input	D_B	[kW]	235,31
Declared energy efficiency ratio	$EER_{DC,B}$		3,98
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	869,27
Rated power input	D_C	[kW]	170,31
Declared energy efficiency ratio	$EER_{DC,C}$		5,10
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	802,40
Rated power input	D_D	[kW]	90,93
Declared energy efficiency ratio	$EER_{DC,D}$		8,82
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /NG /SL-T+ /4802 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		5,46
Annual electricity consumption	Q	[kWh]	1357010
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	999,20
Rated power input	D_A	[kW]	349,40
Rated energy efficiency ratio	$EER_{DC,A}$		2,86
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	932,59
Rated power input	D_B	[kW]	237,11
Declared energy efficiency ratio	$EER_{DC,B}$		3,93
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	865,97
Rated power input	D_C	[kW]	172,41
Declared energy efficiency ratio	$EER_{DC,C}$		5,02
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	799,36
Rated power input	D_D	[kW]	116,73
Declared energy efficiency ratio	$EER_{DC,D}$		6,85
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /SL-T+ /5402 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		6,08
Annual electricity consumption	Q	[kWh]	1380991
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	1133,00
Rated power input	D_A	[kW]	397,50
Rated energy efficiency ratio	$EER_{DC,A}$		2,85
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	1057,47
Rated power input	D_B	[kW]	265,56
Declared energy efficiency ratio	$EER_{DC,B}$		3,98
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	981,93
Rated power input	D_C	[kW]	190,16
Declared energy efficiency ratio	$EER_{DC,C}$		5,16
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	906,40
Rated power input	D_D	[kW]	103,54
Declared energy efficiency ratio	$EER_{DC,D}$		8,75
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /NG /SL-T+ /5402 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		5,44
Annual electricity consumption	Q	[kWh]	1538310
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	1128,82
Rated power input	D_A	[kW]	403,20
Rated energy efficiency ratio	$EER_{DC,A}$		2,80
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	1053,73
Rated power input	D_B	[kW]	268,76
Declared energy efficiency ratio	$EER_{DC,B}$		3,92
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	978,47
Rated power input	D_C	[kW]	193,46
Declared energy efficiency ratio	$EER_{DC,C}$		5,06
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	903,20
Rated power input	D_D	[kW]	133,59
Declared energy efficiency ratio	$EER_{DC,D}$		6,76
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /T+ /1502 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		5,95
Annual electricity consumption	Q	[kWh]	364503
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	292,70
Rated power input	D_A	[kW]	93,80
Rated energy efficiency ratio	$EER_{DC,A}$		3,12
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	273,19
Rated power input	D_B	[kW]	67,70
Declared energy efficiency ratio	$EER_{DC,B}$		4,04
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	253,67
Rated power input	D_C	[kW]	51,20
Declared energy efficiency ratio	$EER_{DC,C}$		4,96
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	234,16
Rated power input	D_D	[kW]	27,43
Declared energy efficiency ratio	$EER_{DC,D}$		8,54
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /NG /T+ /1502 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		5,56
Annual electricity consumption	Q	[kWh]	388817
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	291,99
Rated power input	D_A	[kW]	94,80
Rated energy efficiency ratio	$EER_{DC,A}$		3,08
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	272,53
Rated power input	D_B	[kW]	68,20
Declared energy efficiency ratio	$EER_{DC,B}$		4,00
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	253,07
Rated power input	D_C	[kW]	51,50
Declared energy efficiency ratio	$EER_{DC,C}$		4,91
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	233,60
Rated power input	D_D	[kW]	32,09
Declared energy efficiency ratio	$EER_{DC,D}$		7,28
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /T+ /1702 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		5,68
Annual electricity consumption	Q	[kWh]	427168
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	327,50
Rated power input	D_A	[kW]	108,40
Rated energy efficiency ratio	$EER_{DC,A}$		3,02
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	305,67
Rated power input	D_B	[kW]	79,31
Declared energy efficiency ratio	$EER_{DC,B}$		3,85
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	283,83
Rated power input	D_C	[kW]	59,81
Declared energy efficiency ratio	$EER_{DC,C}$		4,75
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	262,00
Rated power input	D_D	[kW]	32,27
Declared energy efficiency ratio	$EER_{DC,D}$		8,12
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /NG /T+ /1702 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		5,10
Annual electricity consumption	Q	[kWh]	474630
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	326,50
Rated power input	D_A	[kW]	109,60
Rated energy efficiency ratio	$EER_{DC,A}$		2,98
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	304,73
Rated power input	D_B	[kW]	79,91
Declared energy efficiency ratio	$EER_{DC,B}$		3,81
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	282,97
Rated power input	D_C	[kW]	60,41
Declared energy efficiency ratio	$EER_{DC,C}$		4,68
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	261,20
Rated power input	D_D	[kW]	41,65
Declared energy efficiency ratio	$EER_{DC,D}$		6,27
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /T+ /1902 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		6,15
Annual electricity consumption	Q	[kWh]	456975
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	379,27
Rated power input	D_A	[kW]	121,20
Rated energy efficiency ratio	$EER_{DC,A}$		3,13
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	354,01
Rated power input	D_B	[kW]	86,61
Declared energy efficiency ratio	$EER_{DC,B}$		4,09
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	328,73
Rated power input	D_C	[kW]	63,91
Declared energy efficiency ratio	$EER_{DC,C}$		5,14
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	303,44
Rated power input	D_D	[kW]	34,10
Declared energy efficiency ratio	$EER_{DC,D}$		8,90
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /NG /T+ /1902 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		5,64
Annual electricity consumption	Q	[kWh]	496430
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	378,20
Rated power input	D_A	[kW]	122,40
Rated energy efficiency ratio	$EER_{DC,A}$		3,09
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	352,99
Rated power input	D_B	[kW]	87,41
Declared energy efficiency ratio	$EER_{DC,B}$		4,04
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	327,77
Rated power input	D_C	[kW]	64,71
Declared energy efficiency ratio	$EER_{DC,C}$		5,07
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	302,56
Rated power input	D_D	[kW]	41,56
Declared energy efficiency ratio	$EER_{DC,D}$		7,28
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /T+ /2002 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		5,84
Annual electricity consumption	Q	[kWh]	535112
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	422,10
Rated power input	D_A	[kW]	140,70
Rated energy efficiency ratio	$EER_{DC,A}$		3,00
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	393,96
Rated power input	D_B	[kW]	100,67
Declared energy efficiency ratio	$EER_{DC,B}$		3,91
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	365,82
Rated power input	D_C	[kW]	74,67
Declared energy efficiency ratio	$EER_{DC,C}$		4,90
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	337,68
Rated power input	D_D	[kW]	40,22
Declared energy efficiency ratio	$EER_{DC,D}$		8,40
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /NG /T+ /2002 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		5,33
Annual electricity consumption	Q	[kWh]	585416
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	420,90
Rated power input	D_A	[kW]	142,20
Rated energy efficiency ratio	$EER_{DC,A}$		2,96
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	392,84
Rated power input	D_B	[kW]	101,47
Declared energy efficiency ratio	$EER_{DC,B}$		3,87
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	364,78
Rated power input	D_C	[kW]	75,47
Declared energy efficiency ratio	$EER_{DC,C}$		4,83
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	336,72
Rated power input	D_D	[kW]	49,95
Declared energy efficiency ratio	$EER_{DC,D}$		6,74
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /T+ /2202 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		6,12
Annual electricity consumption	Q	[kWh]	564252
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	465,88
Rated power input	D_A	[kW]	148,80
Rated energy efficiency ratio	$EER_{DC,A}$		3,13
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	434,84
Rated power input	D_B	[kW]	107,47
Declared energy efficiency ratio	$EER_{DC,B}$		4,05
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	403,78
Rated power input	D_C	[kW]	78,27
Declared energy efficiency ratio	$EER_{DC,C}$		5,16
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	372,72
Rated power input	D_D	[kW]	42,39
Declared energy efficiency ratio	$EER_{DC,D}$		8,79
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /NG /T+ /2202 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		5,54
Annual electricity consumption	Q	[kWh]	620465
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	464,27
Rated power input	D_A	[kW]	150,70
Rated energy efficiency ratio	$EER_{DC,A}$		3,08
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	433,35
Rated power input	D_B	[kW]	108,57
Declared energy efficiency ratio	$EER_{DC,B}$		3,99
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	402,39
Rated power input	D_C	[kW]	79,37
Declared energy efficiency ratio	$EER_{DC,C}$		5,07
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	371,44
Rated power input	D_D	[kW]	53,11
Declared energy efficiency ratio	$EER_{DC,D}$		6,99
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /T+ /2602 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		5,99
Annual electricity consumption	Q	[kWh]	671319
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	542,30
Rated power input	D_A	[kW]	182,60
Rated energy efficiency ratio	$EER_{DC,A}$		2,97
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	506,15
Rated power input	D_B	[kW]	126,56
Declared energy efficiency ratio	$EER_{DC,B}$		4,00
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	469,99
Rated power input	D_C	[kW]	91,16
Declared energy efficiency ratio	$EER_{DC,C}$		5,16
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	433,84
Rated power input	D_D	[kW]	51,80
Declared energy efficiency ratio	$EER_{DC,D}$		8,37
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /NG /T+ /2602 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		5,38
Annual electricity consumption	Q	[kWh]	745446
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	540,76
Rated power input	D_A	[kW]	183,90
Rated energy efficiency ratio	$EER_{DC,A}$		2,94
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	504,75
Rated power input	D_B	[kW]	127,46
Declared energy efficiency ratio	$EER_{DC,B}$		3,96
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	468,69
Rated power input	D_C	[kW]	92,06
Declared energy efficiency ratio	$EER_{DC,C}$		5,09
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	432,64
Rated power input	D_D	[kW]	66,71
Declared energy efficiency ratio	$EER_{DC,D}$		6,48
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /T+ /2702 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		5,98
Annual electricity consumption	Q	[kWh]	724262
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	584,16
Rated power input	D_A	[kW]	195,40
Rated energy efficiency ratio	$EER_{DC,A}$		2,99
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	545,25
Rated power input	D_B	[kW]	137,06
Declared energy efficiency ratio	$EER_{DC,B}$		3,98
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	506,31
Rated power input	D_C	[kW]	101,96
Declared energy efficiency ratio	$EER_{DC,C}$		4,97
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	467,36
Rated power input	D_D	[kW]	53,68
Declared energy efficiency ratio	$EER_{DC,D}$		8,71
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /NG /T+ /2702 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		5,39
Annual electricity consumption	Q	[kWh]	800676
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	582,50
Rated power input	D_A	[kW]	196,80
Rated energy efficiency ratio	$EER_{DC,A}$		2,96
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	543,67
Rated power input	D_B	[kW]	138,26
Declared energy efficiency ratio	$EER_{DC,B}$		3,93
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	504,83
Rated power input	D_C	[kW]	102,96
Declared energy efficiency ratio	$EER_{DC,C}$		4,90
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	466,00
Rated power input	D_D	[kW]	68,56
Declared energy efficiency ratio	$EER_{DC,D}$		6,80
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /T+ /3002 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		5,93
Annual electricity consumption	Q	[kWh]	762205
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	610,37
Rated power input	D_A	[kW]	210,50
Rated energy efficiency ratio	$EER_{DC,A}$		2,90
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	569,71
Rated power input	D_B	[kW]	145,39
Declared energy efficiency ratio	$EER_{DC,B}$		3,92
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	529,01
Rated power input	D_C	[kW]	106,39
Declared energy efficiency ratio	$EER_{DC,C}$		4,97
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	488,32
Rated power input	D_D	[kW]	56,69
Declared energy efficiency ratio	$EER_{DC,D}$		8,61
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /NG /T+ /3002 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		5,37
Annual electricity consumption	Q	[kWh]	840021
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	608,50
Rated power input	D_A	[kW]	212,80
Rated energy efficiency ratio	$EER_{DC,A}$		2,86
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	567,93
Rated power input	D_B	[kW]	146,69
Declared energy efficiency ratio	$EER_{DC,B}$		3,87
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	527,37
Rated power input	D_C	[kW]	107,59
Declared energy efficiency ratio	$EER_{DC,C}$		4,90
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	486,80
Rated power input	D_D	[kW]	71,75
Declared energy efficiency ratio	$EER_{DC,D}$		6,78
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /T+ /3202 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		6,00
Annual electricity consumption	Q	[kWh]	817551
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	661,70
Rated power input	D_A	[kW]	222,80
Rated energy efficiency ratio	$EER_{DC,A}$		2,97
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	617,59
Rated power input	D_B	[kW]	155,39
Declared energy efficiency ratio	$EER_{DC,B}$		3,97
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	573,47
Rated power input	D_C	[kW]	114,49
Declared energy efficiency ratio	$EER_{DC,C}$		5,01
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	529,36
Rated power input	D_D	[kW]	60,77
Declared energy efficiency ratio	$EER_{DC,D}$		8,71
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /NG /T+ /3202 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		5,33
Annual electricity consumption	Q	[kWh]	916647
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	659,37
Rated power input	D_A	[kW]	225,10
Rated energy efficiency ratio	$EER_{DC,A}$		2,93
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	615,44
Rated power input	D_B	[kW]	156,99
Declared energy efficiency ratio	$EER_{DC,B}$		3,92
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	571,48
Rated power input	D_C	[kW]	116,09
Declared energy efficiency ratio	$EER_{DC,C}$		4,92
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	527,52
Rated power input	D_D	[kW]	79,99
Declared energy efficiency ratio	$EER_{DC,D}$		6,59
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

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FX-FC-Y /T+ /3402 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		6,00
Annual electricity consumption	Q	[kWh]	896781
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	726,08
Rated power input	D_A	[kW]	237,30
Rated energy efficiency ratio	$EER_{DC,A}$		3,06
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	677,69
Rated power input	D_B	[kW]	168,40
Declared energy efficiency ratio	$EER_{DC,B}$		4,02
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	629,29
Rated power input	D_C	[kW]	123,00
Declared energy efficiency ratio	$EER_{DC,C}$		5,12
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	580,88
Rated power input	D_D	[kW]	68,71
Declared energy efficiency ratio	$EER_{DC,D}$		8,45
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /NG /T+ /3402 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		5,42
Annual electricity consumption	Q	[kWh]	990850
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	724,30
Rated power input	D_A	[kW]	239,00
Rated energy efficiency ratio	$EER_{DC,A}$		3,03
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	676,01
Rated power input	D_B	[kW]	169,30
Declared energy efficiency ratio	$EER_{DC,B}$		3,99
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	627,73
Rated power input	D_C	[kW]	124,00
Declared energy efficiency ratio	$EER_{DC,C}$		5,06
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	579,44
Rated power input	D_D	[kW]	87,65
Declared energy efficiency ratio	$EER_{DC,D}$		6,61
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /T+ /3602 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		5,91
Annual electricity consumption	Q	[kWh]	968381
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	772,80
Rated power input	D_A	[kW]	260,20
Rated energy efficiency ratio	$EER_{DC,A}$		2,97
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	721,28
Rated power input	D_B	[kW]	183,60
Declared energy efficiency ratio	$EER_{DC,B}$		3,93
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	669,76
Rated power input	D_C	[kW]	131,10
Declared energy efficiency ratio	$EER_{DC,C}$		5,11
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	618,24
Rated power input	D_D	[kW]	74,80
Declared energy efficiency ratio	$EER_{DC,D}$		8,26
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /NG /T+ /3602 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		5,37
Annual electricity consumption	Q	[kWh]	1062626
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	770,76
Rated power input	D_A	[kW]	262,20
Rated energy efficiency ratio	$EER_{DC,A}$		2,94
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	719,41
Rated power input	D_B	[kW]	184,40
Declared energy efficiency ratio	$EER_{DC,B}$		3,90
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	668,03
Rated power input	D_C	[kW]	132,20
Declared energy efficiency ratio	$EER_{DC,C}$		5,05
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	616,64
Rated power input	D_D	[kW]	93,80
Declared energy efficiency ratio	$EER_{DC,D}$		6,57
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

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FX-FC-Y /T+ /3902 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		5,75
Annual electricity consumption	Q	[kWh]	1064794
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	826,28
Rated power input	D_A	[kW]	280,10
Rated energy efficiency ratio	$EER_{DC,A}$		2,95
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	771,21
Rated power input	D_B	[kW]	198,00
Declared energy efficiency ratio	$EER_{DC,B}$		3,89
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	716,13
Rated power input	D_C	[kW]	143,60
Declared energy efficiency ratio	$EER_{DC,C}$		4,99
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	661,04
Rated power input	D_D	[kW]	83,49
Declared energy efficiency ratio	$EER_{DC,D}$		7,92
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

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FX-FC-Y /NG /T+ /3902 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		5,26
Annual electricity consumption	Q	[kWh]	1160186
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	823,80
Rated power input	D_A	[kW]	283,10
Rated energy efficiency ratio	$EER_{DC,A}$		2,91
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	768,88
Rated power input	D_B	[kW]	199,20
Declared energy efficiency ratio	$EER_{DC,B}$		3,86
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	713,96
Rated power input	D_C	[kW]	145,10
Declared energy efficiency ratio	$EER_{DC,C}$		4,92
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	659,04
Rated power input	D_D	[kW]	102,43
Declared energy efficiency ratio	$EER_{DC,D}$		6,43
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

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FX-FC-Y /T+ /4202 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		5,80
Annual electricity consumption	Q	[kWh]	1132251
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	886,60
Rated power input	D_A	[kW]	291,60
Rated energy efficiency ratio	$EER_{DC,A}$		3,04
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	827,49
Rated power input	D_B	[kW]	209,60
Declared energy efficiency ratio	$EER_{DC,B}$		3,95
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	768,39
Rated power input	D_C	[kW]	154,30
Declared energy efficiency ratio	$EER_{DC,C}$		4,98
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	709,28
Rated power input	D_D	[kW]	88,11
Declared energy efficiency ratio	$EER_{DC,D}$		8,05
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /NG /T+ /4202 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		5,21
Annual electricity consumption	Q	[kWh]	1255632
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	883,30
Rated power input	D_A	[kW]	295,40
Rated energy efficiency ratio	$EER_{DC,A}$		2,99
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	824,41
Rated power input	D_B	[kW]	211,60
Declared energy efficiency ratio	$EER_{DC,B}$		3,90
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	765,53
Rated power input	D_C	[kW]	156,50
Declared energy efficiency ratio	$EER_{DC,C}$		4,89
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	706,64
Rated power input	D_D	[kW]	112,33
Declared energy efficiency ratio	$EER_{DC,D}$		6,29
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

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FX-FC-Y /T+ /4502 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		5,75
Annual electricity consumption	Q	[kWh]	1237309
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	960,60
Rated power input	D_A	[kW]	322,30
Rated energy efficiency ratio	$EER_{DC,A}$		2,98
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	896,56
Rated power input	D_B	[kW]	230,41
Declared energy efficiency ratio	$EER_{DC,B}$		3,89
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	832,52
Rated power input	D_C	[kW]	169,91
Declared energy efficiency ratio	$EER_{DC,C}$		4,90
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	768,48
Rated power input	D_D	[kW]	95,17
Declared energy efficiency ratio	$EER_{DC,D}$		8,08
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /NG /T+ /4502 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		5,17
Annual electricity consumption	Q	[kWh]	1371208
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	957,60
Rated power input	D_A	[kW]	325,70
Rated energy efficiency ratio	$EER_{DC,A}$		2,94
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	893,76
Rated power input	D_B	[kW]	232,21
Declared energy efficiency ratio	$EER_{DC,B}$		3,85
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	829,92
Rated power input	D_C	[kW]	171,71
Declared energy efficiency ratio	$EER_{DC,C}$		4,83
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	766,08
Rated power input	D_D	[kW]	121,80
Declared energy efficiency ratio	$EER_{DC,D}$		6,29
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

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FX-FC-Y /T+ /4802 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		5,92
Annual electricity consumption	Q	[kWh]	1313978
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	1049,00
Rated power input	D_A	[kW]	337,30
Rated energy efficiency ratio	$EER_{DC,A}$		3,11
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	979,07
Rated power input	D_B	[kW]	245,71
Declared energy efficiency ratio	$EER_{DC,B}$		3,98
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	909,13
Rated power input	D_C	[kW]	183,81
Declared energy efficiency ratio	$EER_{DC,C}$		4,95
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	839,20
Rated power input	D_D	[kW]	98,93
Declared energy efficiency ratio	$EER_{DC,D}$		8,48
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /NG /T+ /4802 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		5,35
Annual electricity consumption	Q	[kWh]	1447293
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	1045,00
Rated power input	D_A	[kW]	341,50
Rated energy efficiency ratio	$EER_{DC,A}$		3,06
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	975,33
Rated power input	D_B	[kW]	248,31
Declared energy efficiency ratio	$EER_{DC,B}$		3,93
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	905,67
Rated power input	D_C	[kW]	186,51
Declared energy efficiency ratio	$EER_{DC,C}$		4,86
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	836,00
Rated power input	D_D	[kW]	124,28
Declared energy efficiency ratio	$EER_{DC,D}$		6,73
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

Contact details: Mitsubishi Electric Hydronics & IT Cooling Systems S.p.A., via L. Seitz 47 - 31100 Treviso - Italy

FX-FC-Y /T+ /5402 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		5,89
Annual electricity consumption	Q	[kWh]	1470187
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	1168,00
Rated power input	D_A	[kW]	391,90
Rated energy efficiency ratio	$EER_{DC,A}$		2,98
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	1090,13
Rated power input	D_B	[kW]	278,36
Declared energy efficiency ratio	$EER_{DC,B}$		3,92
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	1012,27
Rated power input	D_C	[kW]	204,96
Declared energy efficiency ratio	$EER_{DC,C}$		4,94
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	934,40
Rated power input	D_D	[kW]	110,11
Declared energy efficiency ratio	$EER_{DC,D}$		8,49
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

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FX-FC-Y /NG /T+ /5402 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		5,27
Annual electricity consumption	Q	[kWh]	1634971
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	1163,00
Rated power input	D_A	[kW]	396,90
Rated energy efficiency ratio	$EER_{DC,A}$		2,93
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	1085,47
Rated power input	D_B	[kW]	281,86
Declared energy efficiency ratio	$EER_{DC,B}$		3,85
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	1007,93
Rated power input	D_C	[kW]	208,76
Declared energy efficiency ratio	$EER_{DC,C}$		4,83
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	930,40
Rated power input	D_D	[kW]	141,16
Declared energy efficiency ratio	$EER_{DC,D}$		6,59
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

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FX-FC-Y /T+ /6002 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		5,69
Annual electricity consumption	Q	[kWh]	1613886
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	1240,00
Rated power input	D_A	[kW]	436,60
Rated energy efficiency ratio	$EER_{DC,A}$		2,84
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	1157,33
Rated power input	D_B	[kW]	310,46
Declared energy efficiency ratio	$EER_{DC,B}$		3,73
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	1074,67
Rated power input	D_C	[kW]	220,06
Declared energy efficiency ratio	$EER_{DC,C}$		4,89
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	992,00
Rated power input	D_D	[kW]	122,75
Declared energy efficiency ratio	$EER_{DC,D}$		8,08
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

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FX-FC-Y /NG /T+ /6002 -			
Type of condensing	Air cooled / Water cooled		Air cooled
Refrigerant fluid(s)	Information to identify the refrigerant fluid(s) intended to be used with the condensing unit		-
Type	compressor driven vapour compression or sorption process		Compressor driven vapour compression
Operating temperature	t	[°C]	-
Seasonal energy performance ratio	SEPR		5,15
Annual electricity consumption	Q	[kWh]	1778196
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	1234,59
Rated power input	D_A	[kW]	442,70
Rated energy efficiency ratio	$EER_{DC,A}$		2,79
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	1152,67
Rated power input	D_B	[kW]	314,96
Declared energy efficiency ratio	$EER_{DC,B}$		3,66
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	1070,33
Rated power input	D_C	[kW]	224,36
Declared energy efficiency ratio	$EER_{DC,C}$		4,77
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	988,00
Rated power input	D_D	[kW]	153,27
Declared energy efficiency ratio	$EER_{DC,D}$		6,45
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	1430

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ENGLISH	ITALIANO	FRANCAISE	DEUTSCH	ESPANOL
Type of condensing	Tipo di condensazione	Type de condensation	Art der Verflüssigung	Tipo de condensación
Refrigerant fluid(s)	Fluido(i) refrigerante(i)	Fluide(s) frigorigène(s)	Kältemittel	Fluido o fluidos refrigerantes
Type	Tipo	Type	Bauart	Tipo
Operating temperature	Temperatura di esercizio	Température de service	Betriebstemperatur	Temperatura de funcionamiento
Seasonal energy performance ratio	Indice di prestazione energetica stagionale	Ratio de performance énergétique saisonnier	Jahresarbeitszahl	Factor de rendimiento energético estacional
Annual electricity consumption	Consumo annuo di energia elettrica	Consommation annuelle d'électricité	Jahresstromverbrauch	Consumo anual de electricidad
Parameters at full load and reference ambient temperature at rating point A	**Parametri a pieno carico e alla temperatura ambiente al punto di valutazione A**	**Paramètres à pleine charge et à la température ambiante de référence au point d'évaluation A**	**Parameter bei Volllast und Bezugsumgebungstemperatur am Bewertungspunkt A**	**Parámetros a plena carga y a temperatura ambiente de referencia en el punto de clasificación A**
Rated refrigeration capacity	Capacità dichiarata di refrigerazione	Puissance de réfrigération nominale	Nennkälteleistung	Potencia nominal de refrigeración
Rated power input	Potenza nominale assorbita	Puissance absorbée nominale	Nennleistungsaufnahme	Potencia utilizada nominal
Rated energy efficiency ratio	Indice di efficienza energetica nominale	Coefficient d'efficacité énergétique nominal	Nennleistungszahl	Factor de eficiencia energética nominal
Parameters at rating point B	**Parametri al punto di valutazione B**	**Paramètres au point d'évaluation B**	**Parameter am Bewertungspunkt B**	**Parámetros en el punto de clasificación B**
Rated refrigeration capacity	Capacità dichiarata di refrigerazione	Puissance de réfrigération nominale	Nennkälteleistung	Potencia nominal de refrigeración
Rated power input	Potenza nominale assorbita	Puissance absorbée nominale	Nennleistungsaufnahme	Potencia utilizada nominal
Declared energy efficiency ratio	Indice di efficienza energetica dichiarato	Coefficient d'efficacité énergétique declaré	Nennleistungszahl	Factor de eficiencia energética nominal
Parameters at rating point C	**Parametri al punto di valutazione C**	**Paramètres au point d'évaluation C**	**Parameter am Bewertungspunkt C**	**Parámetros en el punto de clasificación C**
Rated refrigeration capacity	Capacità dichiarata di refrigerazione	Puissance de réfrigération nominale	Nennkälteleistung	Potencia nominal de refrigeración
Rated power input	Potenza nominale assorbita	Puissance absorbée nominale	Nennleistungsaufnahme	Potencia utilizada nominal
Declared energy efficiency ratio	Indice di efficienza energetica dichiarato	Coefficient d'efficacité énergétique declaré	Nennleistungszahl	Factor de eficiencia energética nominal
Parameters at rating point D	**Parametri al punto di valutazione D**	**Paramètres au point d'évaluation D**	**Parameter am Bewertungspunkt D**	**Parámetros en el punto de clasificación D**
Rated refrigeration capacity	Capacità dichiarata di refrigerazione	Puissance de réfrigération nominale	Nennkälteleistung	Potencia nominal de refrigeración
Rated power input	Potenza nominale assorbita	Puissance absorbée nominale	Nennleistungsaufnahme	Potencia utilizada nominal
Declared energy efficiency ratio	Indice di efficienza energetica dichiarato	Coefficient d'efficacité énergétique declaré	Nennleistungszahl	Factor de eficiencia energética nominal
Other items	**Altri elementi**	**Autres caractéristiques**	**Sonstige Produktdaten**	**Otros elementos**
Capacity control	Dispositivo di controllo della capacità	Régulation de la puissance	Leistungsregelung	Control de la potencia
Degradation coefficient for chillers	Coefficiente di degradazione per i refrigeratori	Coefficient de dégradation pour les refroidisseurs	Minderungsfaktor von Kühlern	Coeficiente de degradación de las enfriadoras
Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj	**Indice di efficienza energetica dichiarato o efficienza dell'uso del gas/fattore di energia ausiliaria a carico parziale alle temperature esterne date Tj**	**Coefficient d'efficacité énergétique déclaré ou rendement de la consommation de gaz/indice énergétique auxiliaire à charge partielle pour des températures extérieures données Tj**	**Angegebene Leistungszahl oder Gaswirkungsgrad/Hilfsenergiefa bei Teillast und bestimmten Außentemperaturen Tj**	**Factor de eficiencia energética declarado o eficiencia del uso de gas o factor de energía auxiliar para carga parcial a las temperaturas exteriores dadas Tj**
GWP of the refrigerant	GWP del refrigerante	PRP du fluide frigorigène	Treibhausgaspotenzial des Kältemittels	PCA del refrigerante
Notes:	Note:	Remarques:	Hinweise:	Notas:
The parameters are declared for application at medium temperature, except in the case of low temperature heat pumps. For low temperature heat pumps, the parameters are declared for application at low temperature.	I parametri sono dichiarati per l'applicazione a temperatura media, tranne per le pompe di calore a bassa temperatura. Per le pompe di calore a bassa temperatura, i parametri sono dichiarati per l'applicazione a bassa temperatura.	Les paramètres sont déclarés pour l'application à moyenne température, excepté pour les pompes à chaleur basse température. Pour les pompes à chaleur basse température, les paramètres sont déclarés pour l'application à basse température.	Die Parameter sind für eine Mitteltemperaturanwendung anzugeben, außer für Niedertemperatur-Wärmepumpen. Für Niedertemperatur-Wärmepumpen sind die Parameter für eine Niedertemperaturanwendung anzugeben.	Los parámetros se declararán para aplicaciones de media temperatura, excepto si se trata de bombas de calor de baja temperatura. En el caso de las bombas de calor de baja temperatura, los parámetros se declararán para aplicaciones de baja temperatura.
Unit in standard configuration/execution, without optional accessories.	Unità in configurazione ed esecuzione standard, priva di accessori opzionali.	Unité en configuration et exécution standard, sans accessoires optionnels.	Gerät mit Standard-Konfiguration und -Ausführung, ohne wunschweises Zubehör.	Unidad en configuración y ejecución estándar, sin accesorios opcionales.

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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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