

NECS-Q-Y /B 2016			
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		5,08
Annual electricity consumption	Q	[kWh]	794293
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P _A	[kW]	544,27
Rated power input	D _A	[kW]	190,30
Rated energy efficiency ratio	EER _{DC,A}		2,86
Parameters at rating point B			
Rated refrigeration capacity	P _B	[kW]	508,01
Rated power input	D _B	[kW]	128,10
Declared energy efficiency ratio	EER _{DC,B}		3,97
Parameters at rating point C			
Rated refrigeration capacity	P _C	[kW]	471,73
Rated power input	D _C	[kW]	91,00
Declared energy efficiency ratio	EER _{DC,C}		5,18
Parameters at rating point D			
Rated refrigeration capacity	P _D	[kW]	435,44
Rated power input	D _D	[kW]	78,30
Declared energy efficiency ratio	EER _{DC,D}		5,56
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C _{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	2088

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

NECS-Q-Y /B 2116			
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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		5,00
Annual electricity consumption	Q	[kWh]	838250
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P _A	[kW]	565,38
Rated power input	D _A	[kW]	198,40
Rated energy efficiency ratio	EER _{DC,A}		2,85
Parameters at rating point B			
Rated refrigeration capacity	P _B	[kW]	527,71
Rated power input	D _B	[kW]	133,30
Declared energy efficiency ratio	EER _{DC,B}		3,96
Parameters at rating point C			
Rated refrigeration capacity	P _C	[kW]	490,01
Rated power input	D _C	[kW]	95,90
Declared energy efficiency ratio	EER _{DC,C}		5,11
Parameters at rating point D			
Rated refrigeration capacity	P _D	[kW]	452,32
Rated power input	D _D	[kW]	83,20
Declared energy efficiency ratio	EER _{DC,D}		5,43
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C _{DC}		0,9
GWP of the refrigerant		[Kg CO ₂ eq]	2088

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NECS-Q-Y /B 2618			
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		5,00
Annual electricity consumption	Q	[kWh]	1038846
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P _A	[kW]	701,58
Rated power input	D _A	[kW]	253,30
Rated energy efficiency ratio	EER _{DC,A}		2,77
Parameters at rating point B			
Rated refrigeration capacity	P _B	[kW]	654,83
Rated power input	D _B	[kW]	167,40
Declared energy efficiency ratio	EER _{DC,B}		3,91
Parameters at rating point C			
Rated refrigeration capacity	P _C	[kW]	608,05
Rated power input	D _C	[kW]	118,90
Declared energy efficiency ratio	EER _{DC,C}		5,12
Parameters at rating point D			
Rated refrigeration capacity	P _D	[kW]	561,28
Rated power input	D _D	[kW]	102,50
Declared energy efficiency ratio	EER _{DC,D}		5,47
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C _{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	2088

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NECS-Q-Y /B 2818			
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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		5,04
Annual electricity consumption	Q	[kWh]	1108656
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P _A	[kW]	754,28
Rated power input	D _A	[kW]	264,70
Rated energy efficiency ratio	EER _{DC,A}		2,85
Parameters at rating point B			
Rated refrigeration capacity	P _B	[kW]	704,01
Rated power input	D _B	[kW]	176,00
Declared energy efficiency ratio	EER _{DC,B}		4,00
Parameters at rating point C			
Rated refrigeration capacity	P _C	[kW]	653,73
Rated power input	D _C	[kW]	127,40
Declared energy efficiency ratio	EER _{DC,C}		5,13
Parameters at rating point D			
Rated refrigeration capacity	P _D	[kW]	603,44
Rated power input	D _D	[kW]	109,80
Declared energy efficiency ratio	EER _{DC,D}		5,50
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C _{DC}		0,9
GWP of the refrigerant		[Kg CO ₂ eq]	2088

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NECS-Q-Y /CA 2016			
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		5,04
Annual electricity consumption	Q	[kWh]	819891
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P _A	[kW]	557,15
Rated power input	D _A	[kW]	186,40
Rated energy efficiency ratio	EER _{DC,A}		2,99
Parameters at rating point B			
Rated refrigeration capacity	P _B	[kW]	520,05
Rated power input	D _B	[kW]	129,70
Declared energy efficiency ratio	EER _{DC,B}		4,01
Parameters at rating point C			
Rated refrigeration capacity	P _C	[kW]	482,91
Rated power input	D _C	[kW]	95,40
Declared energy efficiency ratio	EER _{DC,C}		5,06
Parameters at rating point D			
Rated refrigeration capacity	P _D	[kW]	445,76
Rated power input	D _D	[kW]	80,40
Declared energy efficiency ratio	EER _{DC,D}		5,54
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C _{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	2088

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



NECS-Q-Y /SL-CA 2418			
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		5,11
Annual electricity consumption	Q	[kWh]	890505
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P _A	[kW]	614,30
Rated power input	D _A	[kW]	246,70
Rated energy efficiency ratio	EER _{DC,A}		2,49
Parameters at rating point B			
Rated refrigeration capacity	P _B	[kW]	573,35
Rated power input	D _B	[kW]	148,80
Declared energy efficiency ratio	EER _{DC,B}		3,85
Parameters at rating point C			
Rated refrigeration capacity	P _C	[kW]	532,39
Rated power input	D _C	[kW]	99,50
Declared energy efficiency ratio	EER _{DC,C}		5,35
Parameters at rating point D			
Rated refrigeration capacity	P _D	[kW]	491,44
Rated power input	D _D	[kW]	88,10
Declared energy efficiency ratio	EER _{DC,D}		5,58
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C _{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	2088

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NECS-Q-Y /SL-CA 2618			
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		5,11
Annual electricity consumption	Q	[kWh]	958247
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P_A	[kW]	660,89
Rated power input	D_A	[kW]	262,30
Rated energy efficiency ratio	$EER_{DC,A}$		2,52
Parameters at rating point B			
Rated refrigeration capacity	P_B	[kW]	616,84
Rated power input	D_B	[kW]	160,80
Declared energy efficiency ratio	$EER_{DC,B}$		3,84
Parameters at rating point C			
Rated refrigeration capacity	P_C	[kW]	572,78
Rated power input	D_C	[kW]	107,70
Declared energy efficiency ratio	$EER_{DC,C}$		5,32
Parameters at rating point D			
Rated refrigeration capacity	P_D	[kW]	528,72
Rated power input	D_D	[kW]	94,30
Declared energy efficiency ratio	$EER_{DC,D}$		5,61
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C_{DC}		0,9
GWP of the refrigerant		[Kg CO ₂ eq]	2088

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NECS-Q-Y /SL-CA 2818			
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		5,08
Annual electricity consumption	Q	[kWh]	1038830
Parameters at full load and reference ambient temperature at rating point A			
Rated refrigeration capacity	P _A	[kW]	712,40
Rated power input	D _A	[kW]	276,10
Rated energy efficiency ratio	EER _{DC,A}		2,58
Parameters at rating point B			
Rated refrigeration capacity	P _B	[kW]	664,91
Rated power input	D _B	[kW]	171,60
Declared energy efficiency ratio	EER _{DC,B}		3,87
Parameters at rating point C			
Rated refrigeration capacity	P _C	[kW]	617,41
Rated power input	D _C	[kW]	117,70
Declared energy efficiency ratio	EER _{DC,C}		5,25
Parameters at rating point D			
Rated refrigeration capacity	P _D	[kW]	569,92
Rated power input	D _D	[kW]	102,10
Declared energy efficiency ratio	EER _{DC,D}		5,58
Other items			
Capacity control	fixed/staged/variable		Staged
Degradation coefficient for chillers	C _{DC}		0,9
GWP of the refrigerant		[Kg CO2eq]	2088

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ENGLISH	ITALIANO	FRANCAISE	DEUTSCH	ESPAÑOL
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 déclaré	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 déclaré	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 déclaré	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	Coefficiente 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/Hilfsenergiefaktor 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.