PRODUCT INFORMATION

PURY-P＊＊＊YLM-A1(-BS)

For Europe Regulation

PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates : Outdoor : PURY-P200YLM-A1(-BS) Indoor : PEFY-P50VMHS2-E×4units							
Outdoor heat exchanger of air conditioner: air							
Indoor heat exchanger of air conditioner: air							
Type: compressor driven vapour compression							
if applicable: driver of compressor: electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	**22.40**	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	**265.4**	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27º/19ºC (dry/wet bulb)				Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j = +35 ºC	Pdc	**22.40**	kW	T_j = +35 ºC	EER_d	**4.23**	~~%~~
T_j = + 30 ºC	Pdc	**16.52**	kW	T_j = + 30 ºC	EER_d	**5.14**	~~%~~
T_j = + 25 ºC	Pdc	**10.62**	kW	T_j = + 25 ºC	EER_d	**9.35**	~~%~~
T_j = + 20 ºC	Pdc	**10.15**	kW	T_j = + 20 ºC	EER_d	**13.63**	~~%~~
Degradation co-efficient air conditioners**	C_d	**0.25**	-				
Power consumption in modes other than 'active mode'							
Off mode	P_{OFF}	**0.000**	kW	Crankcase heater mode	P_{CK}	**0.044**	kW
Thermostat-off mode	P_{TO}	**0.089**	kW	Standby mode	P_{SB}	**0.084**	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: Nominal air flow rate, outdoor measured	-	**11100**	m^3/h
Sound power level, outdoor	L_{WA}	**82.5**	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	**-**	mg/kWh fuel input GCV				
GWP of the refrigerant		**2088**	kg $CO_{2\ eq}$ (100 years)				
Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66,Tebira 6 Chome,Wakayama-City 640-8686,Japan						
** If C_d is not determined by measurement then the default degradation coefficient air conditioners shall be 0.25. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.							

(1) This information is based on COMMISSION REGULATION(EU)2016/2281

PRODUCT INFORMATION(1)

Information to identify the model(s) to which the information relates :
Outdoor : PURY-P200YLM-A1(-BS) Indoor : PEFY-P50VMHS2-E×4units

Outdoor heat exchanger of heat pump: air

Indoor heat exchanger of heat pump: air

Indication if the heater is equipped with a supplementary heater: no

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.

Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	**25.00**	kW
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j			
T_j = - 7 ºC	Pdh	**19.50**	kW
T_j = + 2 ºC	Pdh	**13.48**	kW
T_j = + 7 ºC	Pdh	**8.67**	kW
T_j = + 12 ºC	Pdh	**5.64**	kW
T_j = bivalent temperature	Pdh	**20.19**	kW
T_j = operation limit	Pdh	**12.55**	kW
For air-to-water heat pumps: T_j = - 15 ºC (if T_{OL} < - 20 ºC)	Pdh	-	kW
Bivalent temperature	T_{biv}	**-5.0**	ºC
Degradation co-efficient heat pumps**	C_{dh}	**0.25**	-
Power consumption in modes other than 'active mode'			
Off mode	P_{OFF}	**0.000**	kW
Thermostat-off mode	P_{TO}	**0.089**	kW
Crankcase heater mode	P_{CK}	**0.044**	kW
Other items			
Capacity control	variable		
Sound power level, indoor / outdoor measured	L_{WA}	**82.5**	dB
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh
GWP of the refrigerant		**2088**	kg CO_2 eq (100 years)

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	$\eta_{s,h}$	**152.2**	%
Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j = - 7 ºC	COP_d	**2.19**	~~%~~
T_j = + 2 ºC	COP_d	**3.47**	~~%~~
T_j = + 7 ºC	COP_d	**6.33**	~~%~~
T_j = + 12 ºC	COP_d	**8.13**	~~%~~
T_j = bivalent temperature	COP_d	**2.61**	~~%~~
T_j = operation limit	COP_d	**1.99**	~~%~~
For water-to-air heat pumps: T_j = - 15 ºC (if T_{OL} < -20 ºC)	COP_d	-	~~%~~
For water-to-air heat pumps: Operation limit temperature	T_{ol}	-	ºC
Supplementary heater			
Electric back-up heating capacity *	elbu	**0.000**	kW
Type of energy input			
Standby mode	P_{SB}	**0.084**	kW
For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	**11100**	m³/h
For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m³/h

Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66,Tebira 6 Chome,Wakayama-City 640-8686,Japan

** If C_d is not determined by measurement then the default degradation coefficient of heat pumps shall be 0,25.
Where information relates to multi-split heat pumps, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.

(1) This information is based on COMMISSION REGULATION(EU)2016/2281

PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates : Outdoor : PURY-P250YLM-A1(-BS) Indoor : PEFY-P63VMHS2-E×4units							
Outdoor heat exchanger of air conditioner: air							
Indoor heat exchanger of air conditioner: air							
Type: compressor driven vapour compression							
if applicable: driver of compressor: electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	**28.00**	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	**277.0**	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27º/19ºC (dry/wet bulb)				Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j = +35 ºC	Pdc	**28.00**	kW	T_j = +35 ºC	EER_d	**4.01**	~~%~~
T_j = + 30 ºC	Pdc	**20.64**	kW	T_j = + 30 ºC	EER_d	**5.04**	~~%~~
T_j = + 25 ºC	Pdc	**13.27**	kW	T_j = + 25 ºC	EER_d	**9.40**	~~%~~
T_j = + 20 ºC	Pdc	**8.93**	kW	T_j = + 20 ºC	EER_d	**14.93**	~~%~~
Degradation co-efficient air conditioners**	C_d	**0.25**	-				
Power consumption in modes other than 'active mode'							
Off mode	P_{OFF}	**0.000**	kW	Crankcase heater mode	P_{CK}	**0.044**	kW
Thermostat-off mode	P_{TO}	**0.089**	kW	Standby mode	P_{SB}	**0.084**	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: Nominal air flow rate, outdoor measured	-	**11100**	m^3/h
Sound power level, outdoor	L_{WA}	**83.5**	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	**-**	mg/kWh fuel input GCV				
GWP of the refrigerant		**2088**	kg $CO_{2\ eq}$ (100 years)				
Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66,Tebira 6 Chome,Wakayama-City 640-8686,Japan						
** If C_d is not determined by measurement then the default degradation coefficient air conditioners shall be 0.25. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.							

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PRODUCT INFORMATION(1)

Information to identify the model(s) to which the information relates :
Outdoor : PURY-P250YLM-A1(-BS) Indoor : PEFY-P63VMHS2-E×4units

Outdoor heat exchanger of air conditioner: air

Indoor heat exchanger of air conditioner: air

Indication if the heater is equipped with a supplementary heater: no

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.

Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	**31.50**	kW
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j			
T_j = - 7 ºC	Pdh	**23.01**	kW
T_j = + 2 ºC	Pdh	**16.96**	kW
T_j = + 7 ºC	Pdh	**10.91**	kW
T_j = + 12 ºC	Pdh	**5.87**	kW
T_j = bivalent temperature	Pdh	**25.71**	kW
T_j = operation limit	Pdh	**15.35**	kW
For air-to-water heat pumps: T_j = - 15 ºC (if T_{OL} < - 20 ºC)	Pdh	-	kW
Bivalent temperature	T_{biv}	**-5.2**	ºC
Degradation co-efficient heat pumps**	C_{dh}	**0.25**	-
Power consumption in modes other than 'active mode'			
Off mode	P_{OFF}	**0.000**	kW
Thermostat-off mode	P_{TO}	**0.089**	kW
Crankcase heater mode	P_{CK}	**0.044**	kW
Other items			
Capacity control	variable		
Sound power level, indoor / outdoor measured	L_{WA}	**83.5**	dB
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh
GWP of the refrigerant		**2088**	kg CO_2 eq (100 years)

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	$\eta_{s,h}$	**149.8**	%
Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j = - 7 ºC	COP_d	**2.25**	~~%~~
T_j = + 2 ºC	COP_d	**3.24**	~~%~~
T_j = + 7 ºC	COP_d	**5.83**	~~%~~
T_j = + 12 ºC	COP_d	**9.25**	~~%~~
T_j = bivalent temperature	COP_d	**2.95**	~~%~~
T_j = operation limit	COP_d	**2.00**	~~%~~
For water-to-air heat pumps: T_j = - 15 ºC (if T_{OL} < -20 ºC)	COP_d	-	~~%~~
For water-to-air heat pumps: Operation limit temperature	T_{ol}	-	ºC
Supplementary heater			
Electric back-up heating capacity *	elbu	**0.000**	kW
Type of energy input			
Standby mode	P_{SB}	**0.084**	kW
For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	**11100**	m³/h
For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m³/h

Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66,Tebira 6 Chome,Wakayama-City 640-8686,Japan

** If C_d is not determined by measurement then the default degradation coefficient of heat pumps shall be 0,25.
Where information relates to multi-split heat pumps, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.

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PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates : Outdoor : PURY-P300YLM-A1(-BS) Indoor : PEFY-P50VMHS2-E×6units							
Outdoor heat exchanger of air conditioner: air							
Indoor heat exchanger of air conditioner: air							
Type: compressor driven vapour compression							
if applicable: driver of compressor: electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	**33.50**	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	**257.4**	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27º/19ºC (dry/wet bulb)				Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j = +35 ºC	Pdc	**33.50**	kW	T_j = +35 ºC	EER_d	**3.68**	~~%~~
T_j = + 30 ºC	Pdc	**24.70**	kW	T_j = + 30 ºC	EER_d	**4.69**	~~%~~
T_j = + 25 ºC	Pdc	**15.88**	kW	T_j = + 25 ºC	EER_d	**8.04**	~~%~~
T_j = + 20 ºC	Pdc	**11.25**	kW	T_j = + 20 ºC	EER_d	**14.48**	~~%~~
Degradation co-efficient air conditioners**	C_d	**0.25**	-				
Power consumption in modes other than 'active mode'							
Off mode	P_{OFF}	**0.000**	kW	Crankcase heater mode	P_{CK}	**0.043**	kW
Thermostat-off mode	P_{TO}	**0.090**	kW	Standby mode	P_{SB}	**0.084**	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: Nominal air flow rate, outdoor measured	-	**13800**	m^3/h
Sound power level, outdoor	L_{WA}	**86.0**	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	**-**	mg/kWh fuel input GCV				
GWP of the refrigerant		**2088**	kg $CO_{2\ eq}$ (100 years)				
Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66,Tebira 6 Chome,Wakayama-City 640-8686,Japan						
** If C_d is not determined by measurement then the default degradation coefficient air conditioners shall be 0.25. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.							

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PRODUCT INFORMATION(1)

Information to identify the model(s) to which the information relates :
Outdoor : PURY-P300YLM-A1(-BS) Indoor : PEFY-P50VMHS2-E×6units

Outdoor heat exchanger of air conditioner: air

Indoor heat exchanger of air conditioner: air

Indication if the heater is equipped with a supplementary heater: no

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.

Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	**37.50**	kW
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j			
T_j = - 7 ºC	Pdh	**28.13**	kW
T_j = + 2 ºC	Pdh	**20.21**	kW
T_j = + 7 ºC	Pdh	**12.99**	kW
T_j = + 12 ºC	Pdh	**7.45**	kW
T_j = bivalent temperature	Pdh	**28.85**	kW
T_j = operation limit	Pdh	**18.79**	kW
For air-to-water heat pumps: T_j = - 15 ºC (if T_{OL} < - 20 ºC)	Pdh	-	kW
Bivalent temperature	T_{biv}	**-4.0**	ºC
Degradation co-efficient heat pumps**	C_{dh}	**0.25**	-
Power consumption in modes other than 'active mode'			
Off mode	P_{OFF}	**0.000**	kW
Thermostat-off mode	P_{TO}	**0.090**	kW
Crankcase heater mode	P_{CK}	**0.043**	kW
Other items			
Capacity control	variable		
Sound power level, indoor / outdoor measured	L_{WA}	**86.0**	dB
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh
GWP of the refrigerant		**2088**	kg CO_2 eq (100 years)

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	$\eta_{s,h}$	**150.2**	%
Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j = - 7 ºC	COP_d	**2.35**	~~%~~
T_j = + 2 ºC	COP_d	**3.39**	~~%~~
T_j = + 7 ºC	COP_d	**6.27**	~~%~~
T_j = + 12 ºC	COP_d	**9.17**	~~%~~
T_j = bivalent temperature	COP_d	**2.69**	~~%~~
T_j = operation limit	COP_d	**1.87**	~~%~~
For water-to-air heat pumps: T_j = - 15 ºC (if T_{OL} < -20 ºC)	COP_d	-	~~%~~
For water-to-air heat pumps: Operation limit temperature	T_{ol}	-	ºC
Supplementary heater			
Electric back-up heating capacity *	elbu	**0.000**	kW
Type of energy input			
Standby mode	P_{SB}	**0.084**	kW
For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	**13800**	m³/h
For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m³/h

Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66,Tebira 6 Chome,Wakayama-City 640-8686,Japan

** If C_d is not determined by measurement then the default degradation coefficient of heat pumps shall be 0,25.
Where information relates to multi-split heat pumps, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.

(1) This information is based on COMMISSION REGULATION(EU)2016/2281

PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates : Outdoor : PURY-P350YLM-A1(-BS) Indoor : PEFY-P63VMHS2-E×4units , PEFY-P50VMHS2-E×2units							
Outdoor heat exchanger of air conditioner: air							
Indoor heat exchanger of air conditioner: air							
Type: compressor driven vapour compression							
if applicable: driver of compressor: electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	**40.00**	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	**257.0**	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27º/19ºC (dry/wet bulb)				Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j = +35 ºC	Pdc	**40.03**	kW	T_j = +35 ºC	EER_d	**3.40**	~~%~~
T_j = + 30 ºC	Pdc	**29.48**	kW	T_j = + 30 ºC	EER_d	**4.99**	~~%~~
T_j = + 25 ºC	Pdc	**18.96**	kW	T_j = + 25 ºC	EER_d	**8.11**	~~%~~
T_j = + 20 ºC	Pdc	**11.34**	kW	T_j = + 20 ºC	EER_d	**11.25**	~~%~~
Degradation co-efficient air conditioners**	C_d	**0.25**	-				
Power consumption in modes other than 'active mode'							
Off mode	P_{OFF}	**0.000**	kW	Crankcase heater mode	P_{CK}	**0.051**	kW
Thermostat-off mode	P_{TO}	**0.081**	kW	Standby mode	P_{SB}	**0.076**	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: Nominal air flow rate, outdoor measured	-	**13800**	m^3/h
Sound power level, outdoor	L_{WA}	**86.0**	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	**-**	mg/kWh fuel input GCV				
GWP of the refrigerant		**2088**	kg $CO_{2\ eq}$ (100 years)				
Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66,Tebira 6 Chome,Wakayama-City 640-8686,Japan						
** If C_d is not determined by measurement then the default degradation coefficient air conditioners shall be 0.25. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.							

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PRODUCT INFORMATION(1)

Information to identify the model(s) to which the information relates :
Outdoor : PURY-P350YLM-A1(-BS) Indoor : PEFY-P63VMHS2-E×4units , PEFY-P50VMHS2-E×2units

Outdoor heat exchanger of air conditioner: air

Indoor heat exchanger of air conditioner: air

Indication if the heater is equipped with a supplementary heater: no

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.

Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	**45.00**	kW
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j			
T_j = - 7 ºC	Pdh	**31.14**	kW
T_j = + 2 ºC	Pdh	**24.24**	kW
T_j = + 7 ºC	Pdh	**15.59**	kW
T_j = + 12 ºC	Pdh	**8.05**	kW
T_j = bivalent temperature	Pdh	**35.11**	kW
T_j = operation limit	Pdh	**22.55**	kW
For air-to-water heat pumps: T_j = - 15 ºC (if T_{OL} < - 20 ºC)	Pdh	-	kW
Bivalent temperature	T_{biv}	**-4.3**	ºC
Degradation co-efficient heat pumps**	C_{dh}	**0.25**	-
Power consumption in modes other than 'active mode'			
Off mode	P_{OFF}	**0.000**	kW
Thermostat-off mode	P_{TO}	**0.081**	kW
Crankcase heater mode	P_{CK}	**0.051**	kW
Other items			
Capacity control	variable		
Sound power level, indoor / outdoor measured	L_{WA}	**86.0**	dB
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh
GWP of the refrigerant		**2088**	kg CO_2 eq (100 years)

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	$\eta_{s,h}$	**139.0**	%
Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j = - 7 ºC	COP_d	**2.12**	~~%~~
T_j = + 2 ºC	COP_d	**3.00**	~~%~~
T_j = + 7 ºC	COP_d	**5.43**	~~%~~
T_j = + 12 ºC	COP_d	**7.38**	~~%~~
T_j = bivalent temperature	COP_d	**2.96**	~~%~~
T_j = operation limit	COP_d	**2.37**	~~%~~
For water-to-air heat pumps: T_j = - 15 ºC (if T_{OL} < -20 ºC)	COP_d	-	~~%~~
For water-to-air heat pumps: Operation limit temperature	T_{ol}	-	ºC
Supplementary heater			
Electric back-up heating capacity *	elbu	**0.000**	kW
Type of energy input			
Standby mode	P_{SB}	**0.076**	kW
For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	**13800**	m³/h
For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m³/h

Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66,Tebira 6 Chome,Wakayama-City 640-8686,Japan

** If C_d is not determined by measurement then the default degradation coefficient of heat pumps shall be 0,25.
Where information relates to multi-split heat pumps, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.

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PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates : Outdoor : PURY-P400YLM-A1(-BS) Indoor : PEFY-P71VMHS2-E×5units , PEFY-P50VMHS2-E×1unit							
Outdoor heat exchanger of air conditioner: air							
Indoor heat exchanger of air conditioner: air							
Type: compressor driven vapour compression							
if applicable: driver of compressor: electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	**45.00**	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	**229.4**	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27º/19ºC (dry/wet bulb)				Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j = +35 ºC	Pdc	**45.00**	kW	T_j = +35 ºC	EER_d	**3.28**	~~%~~
T_j = + 30 ºC	Pdc	**33.18**	kW	T_j = + 30 ºC	EER_d	**4.25**	~~%~~
T_j = + 25 ºC	Pdc	**21.33**	kW	T_j = + 25 ºC	EER_d	**6.73**	~~%~~
T_j = + 20 ºC	Pdc	**12.41**	kW	T_j = + 20 ºC	EER_d	**11.75**	~~%~~
Degradation co-efficient air conditioners**	C_d	**0.25**	-				
Power consumption in modes other than 'active mode'							
Off mode	P_{OFF}	**0.000**	kW	Crankcase heater mode	P_{CK}	**0.054**	kW
Thermostat-off mode	P_{TO}	**0.078**	kW	Standby mode	P_{SB}	**0.073**	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: Nominal air flow rate, outdoor measured	-	**13800**	m^3/h
Sound power level, outdoor	L_{WA}	**86.0**	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	**-**	mg/kWh fuel input GCV				
GWP of the refrigerant		**2088**	kg $CO_{2\ eq}$ (100 years)				
Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66,Tebira 6 Chome,Wakayama-City 640-8686,Japan						
** If C_d is not determined by measurement then the default degradation coefficient air conditioners shall be 0.25. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.							

(1) This information is based on COMMISSION REGULATION(EU)2016/2281

PRODUCT INFORMATION(1)

Information to identify the model(s) to which the information relates :
Outdoor : PURY-P400YLM-A1(-BS)　Indoor : PEFY-P71VMHS2-E×5units , PEFY-P50VMHS2-E×1unit

Outdoor heat exchanger of air conditioner: air

Indoor heat exchanger of air conditioner: air

Indication if the heater is equipped with a supplementary heater: no

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.

Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	**45.00**	kW
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j			
T_j = - 7 ºC	Pdh	**33.75**	kW
T_j = + 2 ºC	Pdh	**26.94**	kW
T_j = + 7 ºC	Pdh	**17.32**	kW
T_j = + 12 ºC	Pdh	**9.27**	kW
T_j = bivalent temperature	Pdh	**32.89**	kW
T_j = operation limit	Pdh	**22.55**	kW
For air-to-water heat pumps: T_j = - 15 ºC (if T_{OL} < - 20 ºC)	Pdh	-	kW
Bivalent temperature	T_{biv}	**-3.0**	ºC
Degradation co-efficient heat pumps**	C_{dh}	**0.25**	-
Power consumption in modes other than 'active mode'			
Off mode	P_{OFF}	**0.000**	kW
Thermostat-off mode	P_{TO}	**0.078**	kW
Crankcase heater mode	P_{CK}	**0.054**	kW
Other items			
Capacity control	variable		
Sound power level, indoor / outdoor measured	L_{WA}	**86.0**	dB
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh
GWP of the refrigerant		**2088**	kg CO_2 eq (100 years)

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	$\eta_{s,h}$	**137.4**	%
Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j = - 7 ºC	COP_d	**2.49**	~~%~~
T_j = + 2 ºC	COP_d	**2.98**	~~%~~
T_j = + 7 ºC	COP_d	**5.49**	~~%~~
T_j = + 12 ºC	COP_d	**6.80**	~~%~~
T_j = bivalent temperature	COP_d	**2.90**	~~%~~
T_j = operation limit	COP_d	**2.26**	~~%~~
For water-to-air heat pumps: T_j = - 15 ºC (if T_{OL} < -20 ºC)	COP_d	-	~~%~~
For water-to-air heat pumps: Operation limit temperature	T_{ol}	-	ºC
Supplementary heater			
Electric back-up heating capacity *	elbu	**0.000**	kW
Type of energy input			
Standby mode	P_{SB}	**0.073**	kW
For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	**13800**	m³/h
For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m³/h

Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66,Tebira 6 Chome,Wakayama-City 640-8686,Japan

** If C_d is not determined by measurement then the default degradation coefficient of heat pumps shall be 0,25.
Where information relates to multi-split heat pumps, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.

(1) This information is based on COMMISSION REGULATION(EU)2016/2281

PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates : Outdoor : PURY-P450YLM-A1(-BS) Indoor : PEFY-P63VMHS2-E×4units , PEFY-P50VMHS2-E×4units							
Outdoor heat exchanger of air conditioner: air							
Indoor heat exchanger of air conditioner: air							
Type: compressor driven vapour compression							
if applicable: driver of compressor: electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	**50.00**	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	**253.4**	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27º/19ºC (dry/wet bulb)				Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j = +35 ºC	Pdc	**50.00**	kW	T_j = +35 ºC	EER_d	**3.49**	~~%~~
T_j = + 30 ºC	Pdc	**36.86**	kW	T_j = + 30 ºC	EER_d	**4.66**	~~%~~
T_j = + 25 ºC	Pdc	**23.70**	kW	T_j = + 25 ºC	EER_d	**7.51**	~~%~~
T_j = + 20 ºC	Pdc	**16.33**	kW	T_j = + 20 ºC	EER_d	**13.61**	~~%~~
Degradation co-efficient air conditioners**	C_d	**0.25**	-				
Power consumption in modes other than 'active mode'							
Off mode	P_{OFF}	**0.000**	kW	Crankcase heater mode	P_{CK}	**0.054**	kW
Thermostat-off mode	P_{TO}	**0.084**	kW	Standby mode	P_{SB}	**0.073**	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: Nominal air flow rate, outdoor measured	-	**19200**	m^3/h
Sound power level, outdoor	L_{WA}	**86.0**	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	**-**	mg/kWh fuel input GCV				
GWP of the refrigerant		**2088**	kg $CO_{2\ eq}$ (100 years)				
Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66,Tebira 6 Chome,Wakayama-City 640-8686,Japan						
** If C_d is not determined by measurement then the default degradation coefficient air conditioners shall be 0.25. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.							

(1) This information is based on COMMISSION REGULATION(EU)2016/2281

PRODUCT INFORMATION(1)

Information to identify the model(s) to which the information relates :
Outdoor : PURY-P450YLM-A1(-BS) Indoor : PEFY-P63VMHS2-E×4units , PEFY-P50VMHS2-E×4units

Outdoor heat exchanger of air conditioner: air

Indoor heat exchanger of air conditioner: air

Indication if the heater is equipped with a supplementary heater: no

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.

Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	**56.00**	kW
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j			
T_j = - 7 ºC	Pdh	**35.68**	kW
T_j = + 2 ºC	Pdh	**30.17**	kW
T_j = + 7 ºC	Pdh	**19.40**	kW
T_j = + 12 ºC	Pdh	**8.63**	kW
T_j = bivalent temperature	Pdh	**41.55**	kW
T_j = operation limit	Pdh	**24.52**	kW
For air-to-water heat pumps: T_j = - 15 ºC (if T_{OL} < - 20 ºC)	Pdh	-	kW
Bivalent temperature	T_{biv}	**-3.3**	ºC
Degradation co-efficient heat pumps**	C_{dh}	**0.25**	-
Power consumption in modes other than 'active mode'			
Off mode	P_{OFF}	**0.000**	kW
Thermostat-off mode	P_{TO}	**0.084**	kW
Crankcase heater mode	P_{CK}	**0.054**	kW
Other items			
Capacity control	variable		
Sound power level, indoor / outdoor measured	L_{WA}	**86.0**	dB
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh
GWP of the refrigerant		**2088**	kg CO_2 eq (100 years)

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	$\eta_{s,h}$	**138.2**	%
Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j = - 7 ºC	COP_d	**2.54**	~~%~~
T_j = + 2 ºC	COP_d	**2.98**	~~%~~
T_j = + 7 ºC	COP_d	**5.37**	~~%~~
T_j = + 12 ºC	COP_d	**6.40**	~~%~~
T_j = bivalent temperature	COP_d	**3.22**	~~%~~
T_j = operation limit	COP_d	**2.22**	~~%~~
For water-to-air heat pumps: T_j = - 15 ºC (if T_{OL} < -20 ºC)	COP_d	-	~~%~~
For water-to-air heat pumps: Operation limit temperature	T_{ol}	-	ºC
Supplementary heater			
Electric back-up heating capacity *	elbu	**0.000**	kW
Type of energy input			
Standby mode	P_{SB}	**0.073**	kW
For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	**19200**	m³/h
For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m³/h

Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66,Tebira 6 Chome,Wakayama-City 640-8686,Japan

** If C_d is not determined by measurement then the default degradation coefficient of heat pumps shall be 0,25.
Where information relates to multi-split heat pumps, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.

(1) This information is based on COMMISSION REGULATION(EU)2016/2281

PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates : Outdoor : PURY-P500YLM-A1(-BS) Indoor : PEFY-P63VMHS2-E×8units							
Outdoor heat exchanger of air conditioner: air							
Indoor heat exchanger of air conditioner: air							
Type: compressor driven vapour compression							
if applicable: driver of compressor: electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	**56.00**	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	**232.6**	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27º/19ºC (dry/wet bulb)				Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j = +35 ºC	Pdc	**56.00**	kW	T_j = +35 ºC	EER_d	**3.15**	~~%~~
T_j = + 30 ºC	Pdc	**41.28**	kW	T_j = + 30 ºC	EER_d	**3.77**	~~%~~
T_j = + 25 ºC	Pdc	**26.54**	kW	T_j = + 25 ºC	EER_d	**7.08**	~~%~~
T_j = + 20 ºC	Pdc	**17.46**	kW	T_j = + 20 ºC	EER_d	**13.94**	~~%~~
Degradation co-efficient air conditioners**	C_d	**0.25**	-				
Power consumption in modes other than 'active mode'							
Off mode	P_{OFF}	**0.000**	kW	Crankcase heater mode	P_{CK}	**0.047**	kW
Thermostat-off mode	P_{TO}	**0.091**	kW	Standby mode	P_{SB}	**0.080**	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: Nominal air flow rate, outdoor measured	-	**22800**	m^3/h
Sound power level, outdoor	L_{WA}	**87.0**	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	**-**	mg/kWh fuel input GCV				
GWP of the refrigerant		**2088**	kg $CO_{2\ eq}$ (100 years)				
Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66,Tebira 6 Chome,Wakayama-City 640-8686,Japan						
** If C_d is not determined by measurement then the default degradation coefficient air conditioners shall be 0.25. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.							

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PRODUCT INFORMATION(1)

Information to identify the model(s) to which the information relates :
Outdoor : PURY-P500YLM-A1(-BS) Indoor : PEFY-P63VMHS2-E×8units

Outdoor heat exchanger of air conditioner: air

Indoor heat exchanger of air conditioner: air

Indication if the heater is equipped with a supplementary heater: no

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.

Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	**58.00**	kW
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j			
T_j = - 7 ºC	Pdh	**39.42**	kW
T_j = + 2 ºC	Pdh	**33.93**	kW
T_j = + 7 ºC	Pdh	**21.83**	kW
T_j = + 12 ºC	Pdh	**10.45**	kW
T_j = bivalent temperature	Pdh	**42.00**	kW
T_j = operation limit	Pdh	**27.60**	kW
For air-to-water heat pumps: T_j = - 15 ºC (if T_{OL} < - 20 ºC)	Pdh	-	kW
Bivalent temperature	T_{biv}	**-2.8**	ºC
Degradation co-efficient heat pumps**	C_{dh}	**0.25**	-
Power consumption in modes other than 'active mode'			
Off mode	P_{OFF}	**0.000**	kW
Thermostat-off mode	P_{TO}	**0.091**	kW
Crankcase heater mode	P_{CK}	**0.047**	kW
Other items			
Capacity control	variable		
Sound power level, indoor / outdoor measured	L_{WA}	**87.0**	dB
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh
GWP of the refrigerant		**2088**	kg CO_2 eq (100 years)

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	$\eta_{s,h}$	**137.4**	%
Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j = - 7 ºC	COP_d	**2.34**	~~%~~
T_j = + 2 ºC	COP_d	**2.98**	~~%~~
T_j = + 7 ºC	COP_d	**5.46**	~~%~~
T_j = + 12 ºC	COP_d	**7.02**	~~%~~
T_j = bivalent temperature	COP_d	**3.08**	~~%~~
T_j = operation limit	COP_d	**2.26**	~~%~~
For water-to-air heat pumps: T_j = - 15 ºC (if T_{OL} < -20 ºC)	COP_d	-	~~%~~
For water-to-air heat pumps: Operation limit temperature	T_{ol}	-	ºC
Supplementary heater			
Electric back-up heating capacity *	elbu	**0.000**	kW
Type of energy input			
Standby mode	P_{SB}	**0.080**	kW
For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	**22800**	m³/h
For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m³/h

Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66,Tebira 6 Chome,Wakayama-City 640-8686,Japan

** If C_d is not determined by measurement then the default degradation coefficient of heat pumps shall be 0,25.
Where information relates to multi-split heat pumps, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.

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