PRODUCT INFORMATION

PQHY-P＊＊＊YLM-A/A1/A2

PQRY-P＊＊＊YLM-A/A1/A2

For Europe Regulation

PRODUCT INFORMATION([1])

Model(s): Information to identify the model(s) to which the information relates : Outdoor: PQHY-P200YLM-A/A1/A2 Indoor: PEFY-P50VMHS2-E ×4 units							
Outdoor heat exchanger of air conditioner: water/brine							
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	$\eta_{s,c}$	**322.0**	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27º/19ºC (dry/wet bulb)				Declared energy efficiency ratio for part load at given outdoor temperatures T_j			
T_j = +35 ºC	Pdc	**22.40**	kW	T_j = +35 ºC	EER_d	**6.42**	~~%~~
T_j = + 30 ºC	Pdc	**16.51**	kW	T_j = + 30 ºC	EER_d	**8.64**	~~%~~
T_j = + 25 ºC	Pdc	**10.61**	kW	T_j = + 25 ºC	EER_d	**10.26**	~~%~~
T_j = + 20 ºC	Pdc	**8.01**	kW	T_j = + 20 ºC	EER_d	**11.98**	~~%~~
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}	**0.032**	kW
Thermostat-off mode	P_{TO}	**0.080**	kW	Standby mode	P_{SB}	**0.074**	kW
Other items							
Capacity control	variable						
Sound power level, outdoor	L_{WA}	**60.0**	dB	For water/brine-to-air air conditioner: Rated brine or water flow rate, outdoor side heat exchanger	-	4	m^3/h
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		**2088**	kg CO_{2eq} (100years)				
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: PQHY-P200YLM-A/A1/A2 Indoor: PEFY-P50VMHS2-E ×4 units

Outdoor heat exchanger of heat pump: water/brine

Indoor heat exchanger of heat pump: air

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

if applicable: driver of compressor: electric motor

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	**22.12**	kW
T_j = + 2 ºC	Pdh	**13.46**	kW
T_j = + 7 ºC	Pdh	**8.65**	kW
T_j = + 12 ºC	Pdh	**6.78**	kW
T_j = bivalent temperature	Pdh	**25.00**	kW
T_j = operation limit	Pdh	**25.00**	kW
For air-to-water heat pumps: T_j = - 15 ºC (if T_{OL} < - 20 ºC)	Pdh	**-**	kW
Bivalent temperature	T_{biv}	**-10**	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}	**0.080**	kW
Crankcase heater mode	P_{CK}	**0.032**	kW
Other items			
Capacity control	variable		
Sound power level, indoor / outdoor measured	L_{WA}	**61.5**	dB
Emissions of nitrogen oxides (if applicable)	NO_x	**-**	mg/kWh
GWP of the refrigerant		**2088**	kg CO_{2eq} (100years)

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	$\eta_{s,h}$	**193.2**	%
Declared coefficient of performance for part load at given outdoor temperatures T_j			
T_j = - 7 ºC	COP_d	**5.40**	~~%~~
T_j = + 2 ºC	COP_d	**5.26**	~~%~~
T_j = + 7 ºC	COP_d	**4.95**	~~%~~
T_j = + 12 ºC	COP_d	**4.74**	~~%~~
T_j = bivalent temperature	COP_d	**5.36**	~~%~~
T_j = operation limit	COP_d	**5.36**	~~%~~
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}	**-10**	ºC
Supplementary heater			
Electric back-up heating capacity *	elbu	**0.000**	kW
Type of energy input			
Standby mode	P_{SB}	**0.074**	kW

For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	-	m³/h
For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	**6**	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: PQRY-P200YLM-A/A1/A2 Indoor: PEFY-P50VMHS2-E ×4 units							
Outdoor heat exchanger of air conditioner: water/brine							
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	$\eta_{s,c}$	**313.6**	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27º/19ºC (dry/wet bulb)				Declared energy efficiency ratio for part load at given outdoor temperatures T_j			
T_j = +35 ºC	Pdc	**22.40**	kW	T_j = +35 ºC	EER_d	**6.42**	~~%~~
T_j = + 30 ºC	Pdc	**16.51**	kW	T_j = + 30 ºC	EER_d	**8.64**	~~%~~
T_j = + 25 ºC	Pdc	**10.61**	kW	T_j = + 25 ºC	EER_d	**10.26**	~~%~~
T_j = + 20 ºC	Pdc	**8.01**	kW	T_j = + 20 ºC	EER_d	**11.98**	~~%~~
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}	**0.032**	kW
Thermostat-off mode	P_{TO}	**0.101**	kW	Standby mode	P_{SB}	**0.095**	kW
Other items							
Capacity control	variable						
Sound power level, outdoor	L_{WA}	**60.0**	dB	For water/brine-to-air air conditioner: Rated brine or water flow rate, outdoor side heat exchanger	-	4	m^3/h
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		**2088**	kg CO_{2eq} (100years)				
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: PQRY-P200YLM-A/A1/A2 Indoor: PEFY-P50VMHS2-E ×4 units

Outdoor heat exchanger of heat pump: water/brine

Indoor heat exchanger of heat pump: air

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

if applicable: driver of compressor: electric motor

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	**22.12**	kW
T_j = + 2 ºC	Pdh	**13.46**	kW
T_j = + 7 ºC	Pdh	**8.65**	kW
T_j = + 12 ºC	Pdh	**6.78**	kW
T_j = bivalent temperature	Pdh	**25.00**	kW
T_j = operation limit	Pdh	**25.00**	kW
For air-to-water heat pumps: T_j = - 15 ºC (if T_{OL} < - 20 ºC)	Pdh	**-**	kW
Bivalent temperature	T_{biv}	**-10**	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}	**0.101**	kW
Crankcase heater mode	P_{CK}	**0.032**	kW
Other items			
Capacity control	variable		
Sound power level, indoor / outdoor measured	L_{WA}	**61.5**	dB
Emissions of nitrogen oxides (if applicable)	NO_x	**-**	mg/kWh
GWP of the refrigerant		**2088**	kg CO_{2eq} (100years)

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	$\eta_{s,h}$	**193.1**	%
Declared coefficient of performance for part load at given outdoor temperatures T_j			
T_j = - 7 ºC	COP_d	**5.40**	~~%~~
T_j = + 2 ºC	COP_d	**5.26**	~~%~~
T_j = + 7 ºC	COP_d	**4.95**	~~%~~
T_j = + 12 ºC	COP_d	**4.74**	~~%~~
T_j = bivalent temperature	COP_d	**5.36**	~~%~~
T_j = operation limit	COP_d	**5.36**	~~%~~
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}	**-10**	ºC
Supplementary heater			
Electric back-up heating capacity *	elbu	**0.000**	kW
Type of energy input			
Standby mode	P_{SB}	**0.095**	kW

For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	-	m³/h
For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	**6**	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: PQHY-P250YLM-A/A1/A2 Indoor: PEFY-P63VMHS2-E ×4 units							
Outdoor heat exchanger of air conditioner: water/brine							
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	$\eta_{s,c}$	**323.6**	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27º/19ºC (dry/wet bulb)				Declared energy efficiency ratio for part load at given outdoor temperatures T_j			
T_j = +35 ºC	Pdc	**28.00**	kW	T_j = +35 ºC	EER_d	**6.74**	~~%~~
T_j = + 30 ºC	Pdc	**20.63**	kW	T_j = + 30 ºC	EER_d	**7.56**	~~%~~
T_j = + 25 ºC	Pdc	**13.26**	kW	T_j = + 25 ºC	EER_d	**10.42**	~~%~~
T_j = + 20 ºC	Pdc	**7.49**	kW	T_j = + 20 ºC	EER_d	**11.34**	~~%~~
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}	**0.032**	kW
Thermostat-off mode	P_{TO}	**0.080**	kW	Standby mode	P_{SB}	**0.074**	kW
Other items							
Capacity control	variable						
Sound power level, outdoor	L_{WA}	**62.0**	dB	For water/brine-to-air air conditioner: Rated brine or water flow rate, outdoor side heat exchanger	-	**5**	m^3/h
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		**2088**	kg CO_{2eq} (100years)				
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: PQHY-P250YLM-A/A1/A2 Indoor: PEFY-P63VMHS2-E ×4 units

Outdoor heat exchanger of heat pump: water/brine

Indoor heat exchanger of heat pump: air

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

if applicable: driver of compressor: electric motor

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	**27.87**	kW
T_j = + 2 ºC	Pdh	**16.96**	kW
T_j = + 7 ºC	Pdh	**10.90**	kW
T_j = + 12 ºC	Pdh	**6.64**	kW
T_j = bivalent temperature	Pdh	**31.50**	kW
T_j = operation limit	Pdh	**31.50**	kW
For air-to-water heat pumps: T_j = - 15 ºC (if T_{OL} < - 20 ºC)	Pdh	**-**	kW
Bivalent temperature	T_{biv}	**-10**	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}	**0.080**	kW
Crankcase heater mode	P_{CK}	**0.032**	kW
Other items			
Capacity control	variable		
Sound power level, indoor / outdoor measured	L_{WA}	**65.0**	dB
Emissions of nitrogen oxides (if applicable)	NO_x	**-**	mg/kWh
GWP of the refrigerant		**2088**	kg CO_{2eq} (100years)

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	$\eta_{s,h}$	**181.6**	%
Declared coefficient of performance for part load at given outdoor temperatures T_j			
T_j = - 7 ºC	COP_d	**5.02**	~~%~~
T_j = + 2 ºC	COP_d	**5.04**	~~%~~
T_j = + 7 ºC	COP_d	**4.65**	~~%~~
T_j = + 12 ºC	COP_d	**4.07**	~~%~~
T_j = bivalent temperature	COP_d	**5.03**	~~%~~
T_j = operation limit	COP_d	**5.03**	~~%~~
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}	**-10**	ºC
Supplementary heater			
Electric back-up heating capacity *	elbu	**0.000**	kW
Type of energy input			
Standby mode	P_{SB}	**0.074**	kW
For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	-	m³/h
For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	**8**	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: PQRY-P250YLM-A/A1/A2 Indoor: PEFY-P63VMHS2-E ×4 units							
Outdoor heat exchanger of air conditioner: water/brine							
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	$\eta_{s,c}$	**316.7**	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27º/19ºC (dry/wet bulb)				Declared energy efficiency ratio for part load at given outdoor temperatures T_j			
T_j = +35 ºC	Pdc	**28.00**	kW	T_j = +35 ºC	EER_d	**6.74**	~~%~~
T_j = + 30 ºC	Pdc	**20.63**	kW	T_j = + 30 ºC	EER_d	**7.56**	~~%~~
T_j = + 25 ºC	Pdc	**13.26**	kW	T_j = + 25 ºC	EER_d	**10.42**	~~%~~
T_j = + 20 ºC	Pdc	**7.49**	kW	T_j = + 20 ºC	EER_d	**11.34**	~~%~~
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}	**0.032**	kW
Thermostat-off mode	P_{TO}	**0.101**	kW	Standby mode	P_{SB}	**0.095**	kW
Other items							
Capacity control	variable						
Sound power level, outdoor	L_{WA}	**62.0**	dB	For water/brine-to-air air conditioner: Rated brine or water flow rate, outdoor side heat exchanger	-	**5**	m^3/h
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		**2088**	kg CO_{2eq} (100years)				
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: PQRY-P250YLM-A/A1/A2 Indoor: PEFY-P63VMHS2-E ×4 units

Outdoor heat exchanger of heat pump: water/brine

Indoor heat exchanger of heat pump: air

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

if applicable: driver of compressor: electric motor

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	**27.87**	kW
T_j = + 2 ºC	Pdh	**16.96**	kW
T_j = + 7 ºC	Pdh	**10.90**	kW
T_j = + 12 ºC	Pdh	**6.64**	kW
T_j = bivalent temperature	Pdh	**31.50**	kW
T_j = operation limit	Pdh	**31.50**	kW
For air-to-water heat pumps: T_j = - 15 ºC (if T_{OL} < - 20 ºC)	Pdh	**-**	kW
Bivalent temperature	T_{biv}	**-10**	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}	**0.101**	kW
Crankcase heater mode	P_{CK}	**0.032**	kW
Other items			
Capacity control	variable		
Sound power level, indoor / outdoor measured	L_{WA}	**65.0**	dB
Emissions of nitrogen oxides (if applicable)	NO_x	**-**	mg/kWh
GWP of the refrigerant		**2088**	kg CO_{2eq} (100years)

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	$\eta_{s,h}$	**181.5**	%
Declared coefficient of performance for part load at given outdoor temperatures T_j			
T_j = - 7 ºC	COP_d	**5.02**	~~%~~
T_j = + 2 ºC	COP_d	**5.04**	~~%~~
T_j = + 7 ºC	COP_d	**4.65**	~~%~~
T_j = + 12 ºC	COP_d	**4.07**	~~%~~
T_j = bivalent temperature	COP_d	**5.03**	~~%~~
T_j = operation limit	COP_d	**5.03**	~~%~~
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}	**-10**	ºC
Supplementary heater			
Electric back-up heating capacity *	elbu	**0.000**	kW
Type of energy input			
Standby mode	P_{SB}	**0.095**	kW

For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	-	m³/h
For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	**8**	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: PQHY-P300YLM-A/A1/A2 Indoor: PEFY-P50VMHS2-E ×6 units								
Outdoor heat exchanger of air conditioner: water/brine								
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	$\eta_{s,c}$		**294.0**	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27º/19ºC (dry/wet bulb)				Declared energy efficiency ratio for part load at given outdoor temperatures T_j				
T_j = +35 ºC	Pdc	**33.50**	kW	T_j = +35 ºC	EER_d		**6.18**	~~%~~
T_j = + 30 ºC	Pdc	**24.68**	kW	T_j = + 30 ºC	EER_d		**6.05**	~~%~~
T_j = + 25 ºC	Pdc	**15.87**	kW	T_j = + 25 ºC	EER_d		**9.49**	~~%~~
T_j = + 20 ºC	Pdc	**8.86**	kW	T_j = + 20 ºC	EER_d		**10.57**	~~%~~
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}		**0.032**	kW
Thermostat-off mode	P_{TO}	**0.082**	kW	Standby mode	P_{SB}		**0.074**	kW
Other items								
Capacity control	variable							
Sound power level, outdoor	L_{WA}	**68.0**	dB	For water/brine-to-air air conditioner: Rated brine or water flow rate, outdoor side heat exchanger	-		**7**	m^3/h
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV					
GWP of the refrigerant		**2088**	kg CO_{2eq} (100years)					
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: PQHY-P300YLM-A/A1/A2 Indoor: PEFY-P50VMHS2-E ×6 units

Outdoor heat exchanger of heat pump: water/brine

Indoor heat exchanger of heat pump: air

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

if applicable: driver of compressor: electric motor

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	**33.17**	kW
T_j = + 2 ºC	Pdh	**20.19**	kW
T_j = + 7 ºC	Pdh	**12.98**	kW
T_j = + 12 ºC	Pdh	**6.87**	kW
T_j = bivalent temperature	Pdh	**37.50**	kW
T_j = operation limit	Pdh	**37.50**	kW
For air-to-water heat pumps: T_j = - 15 ºC (if T_{OL} < - 20 ºC)	Pdh	**-**	kW
Bivalent temperature	T_{biv}	**-10**	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}	**0.082**	kW
Crankcase heater mode	P_{CK}	**0.032**	kW
Other items			
Capacity control	variable		
Sound power level, indoor / outdoor measured	L_{WA}	**71.0**	dB
Emissions of nitrogen oxides (if applicable)	NO_x	**-**	mg/kWh
GWP of the refrigerant		**2088**	kg CO_{2eq} (100years)

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	$\eta_{s,h}$	**179.2**	%
Declared coefficient of performance for part load at given outdoor temperatures T_j			
T_j = - 7 ºC	COP_d	**5.00**	~~%~~
T_j = + 2 ºC	COP_d	**4.97**	~~%~~
T_j = + 7 ºC	COP_d	**4.54**	~~%~~
T_j = + 12 ºC	COP_d	**3.75**	~~%~~
T_j = bivalent temperature	COP_d	**4.82**	~~%~~
T_j = operation limit	COP_d	**4.82**	~~%~~
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}	**-10**	ºC
Supplementary heater			
Electric back-up heating capacity *	elbu	**0.000**	kW
Type of energy input			
Standby mode	P_{SB}	**0.074**	kW

For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	-	m³/h
For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	**10**	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: PQRY-P300YLM-A/A1/A2 Indoor: PEFY-P50VMHS2-E ×6 units							
Outdoor heat exchanger of air conditioner: water/brine							
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	$\eta_{s,c}$	**289.2**	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27º/19ºC (dry/wet bulb)				Declared energy efficiency ratio for part load at given outdoor temperatures T_j			
T_j = +35 ºC	Pdc	**33.50**	kW	T_j = +35 ºC	EER_d	**6.18**	~~%~~
T_j = + 30 ºC	Pdc	**24.68**	kW	T_j = + 30 ºC	EER_d	**6.05**	~~%~~
T_j = + 25 ºC	Pdc	**15.87**	kW	T_j = + 25 ºC	EER_d	**9.49**	~~%~~
T_j = + 20 ºC	Pdc	**8.86**	kW	T_j = + 20 ºC	EER_d	**10.57**	~~%~~
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}	**0.032**	kW
Thermostat-off mode	P_{TO}	**0.103**	kW	Standby mode	P_{SB}	**0.095**	kW
Other items							
Capacity control	variable						
Sound power level, outdoor	L_{WA}	**68.0**	dB	For water/brine-to-air air conditioner: Rated brine or water flow rate, outdoor side heat exchanger	-	**7**	m^3/h
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		**2088**	kg CO_{2eq} (100years)				
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: PQRY-P300YLM-A/A1/A2 Indoor: PEFY-P50VMHS2-E ×6 units

Outdoor heat exchanger of heat pump: water/brine

Indoor heat exchanger of heat pump: air

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

if applicable: driver of compressor: electric motor

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	**33.17**	kW
T_j = + 2 ºC	Pdh	**20.19**	kW
T_j = + 7 ºC	Pdh	**12.98**	kW
T_j = + 12 ºC	Pdh	**6.87**	kW
T_j = bivalent temperature	Pdh	**37.50**	kW
T_j = operation limit	Pdh	**37.50**	kW
For air-to-water heat pumps: T_j = - 15 ºC (if T_{OL} < - 20 ºC)	Pdh	**-**	kW
Bivalent temperature	T_{biv}	**-10**	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}	**0.103**	kW
Crankcase heater mode	P_{CK}	**0.032**	kW
Other items			
Capacity control	variable		
Sound power level, indoor / outdoor measured	L_{WA}	**71.0**	dB
Emissions of nitrogen oxides (if applicable)	NO_x	**-**	mg/kWh
GWP of the refrigerant		**2088**	kg CO_{2eq} (100years)

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	$\eta_{s,h}$	**179.1**	%
Declared coefficient of performance for part load at given outdoor temperatures T_j			
T_j = - 7 ºC	COP_d	**5.00**	~~%~~
T_j = + 2 ºC	COP_d	**4.97**	~~%~~
T_j = + 7 ºC	COP_d	**4.54**	~~%~~
T_j = + 12 ºC	COP_d	**3.75**	~~%~~
T_j = bivalent temperature	COP_d	**4.82**	~~%~~
T_j = operation limit	COP_d	**4.82**	~~%~~
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}	**-10**	ºC
Supplementary heater			
Electric back-up heating capacity *	elbu	**0.000**	kW
Type of energy input			
Standby mode	P_{SB}	**0.095**	kW

For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	-	m³/h
For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	**10**	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: PQHY-P350YLM-A/A1/A2 Indoor: PEFY-P63VMHS2-E ×4 units , PEFY-P50VMHS2-E ×2 units							
Outdoor heat exchanger of air conditioner: water/brine							
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	$\eta_{s,c}$	**294.8**	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27ºº/19ºC (dry/wet bulb)				Declared energy efficiency ratio for part load at given outdoor temperatures T_j			
T_j = +35 ºC	Pdc	**40.00**	kW	T_j = +35 ºC	EER_d	**4.75**	~~%~~
T_j = + 30 ºC	Pdc	**29.47**	kW	T_j = + 30 ºC	EER_d	**7.95**	~~%~~
T_j = + 25 ºC	Pdc	**18.95**	kW	T_j = + 25 ºC	EER_d	**7.53**	~~%~~
T_j = + 20 ºC	Pdc	**12.74**	kW	T_j = + 20 ºC	EER_d	**12.58**	~~%~~
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}	**0.036**	kW
Thermostat-off mode	P_{TO}	**0.078**	kW	Standby mode	P_{SB}	**0.070**	kW
Other items							
Capacity control	variable						
Sound power level, outdoor	L_{WA}	**66.0**	dB	For water/brine-to-air air conditioner: Rated brine or water flow rate, outdoor side heat exchanger	-	**8**	m^3/h
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		**2088**	kg CO_{2eq} (100years)				
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: PQHY-P350YLM-A/A1/A2 Indoor: PEFY-P63VMHS2-E ×4 units , PEFY-P50VMHS2-E ×2 units							
Outdoor heat exchanger of heat pump: water/brine							
Indoor heat exchanger of heat pump: air							
Indication if the heater is equipped with a supplementary heater: no							
if applicable: driver of compressor: electric motor							
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	**45.00**	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	**168.8**	%
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j				Declared coefficient of performance for part load at given outdoor temperatures T_j			
T_j = - 7 ºC	Pdh	**39.81**	kW	T_j = - 7 ºC	COP_d	**3.72**	~~%~~
T_j = + 2 ºC	Pdh	**24.23**	kW	T_j = + 2 ºC	COP_d	**4.44**	~~%~~
T_j = + 7 ºC	Pdh	**15.58**	kW	T_j = + 7 ºC	COP_d	**4.89**	~~%~~
T_j = + 12 ºC	Pdh	**7.81**	kW	T_j = + 12 ºC	COP_d	**4.74**	~~%~~
T_j = bivalent temperature	Pdh	**45.00**	kW	T_j = bivalent temperature	COP_d	**3.56**	~~%~~
T_j = operation limit	Pdh	**45.00**	kW	T_j = operation limit	COP_d	**3.56**	~~%~~
For air-to-water heat pumps: T_j = - 15 ºC (if T_{OL} < - 20 ºC)	Pdh	-	kW	For water-to-air heat pumps: T_j = - 15 ºC (if T_{OL} < -20 ºC)	COP_d	-	~~%~~
Bivalent temperature	T_{biv}	**-10**	ºC	For water-to-air heat pumps: Operation limit temperature	T_{ol}	**-10**	ºC
Degradation co-efficient heat pumps**	C_{dh}	**0.25**	-				
Power consumption in modes other than 'active mode'				Supplementary heater			
Off mode	P_{OFF}	**0.000**	kW	Electric back-up heating capacity *	elbu	**0.000**	kW
Thermostat-off mode	P_{TO}	**0.078**	kW	Type of energy input			
Crankcase heater mode	P_{CK}	**0.036**	kW	Standby mode	P_{SB}	**0.070**	kW
Other items							
Capacity control	variable			For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	-	m^3/h
Sound power level, indoor / outdoor measured	L_{WA}	**68.0**	dB	For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	**11**	m^3/h
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh				
GWP of the refrigerant		**2088**	kg CO_{2eq} (100years)				
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: PQRY-P350YLM-A/A1/A2 Indoor: PEFY-P63VMHS2-E ×4 units , PEFY-P50VMHS2-E ×2 units							
Outdoor heat exchanger of air conditioner: water/brine							
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	$\eta_{s,c}$	**290.8**	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27ºº/19ºC (dry/wet bulb)				Declared energy efficiency ratio for part load at given outdoor temperatures T_j			
T_j = +35 ºC	Pdc	**40.00**	kW	T_j = +35 ºC	EER_d	**4.75**	~~%~~
T_j = + 30 ºC	Pdc	**29.47**	kW	T_j = + 30 ºC	EER_d	**7.95**	~~%~~
T_j = + 25 ºC	Pdc	**18.95**	kW	T_j = + 25 ºC	EER_d	**7.53**	~~%~~
T_j = + 20 ºC	Pdc	**12.74**	kW	T_j = + 20 ºC	EER_d	**12.58**	~~%~~
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}	**0.036**	kW
Thermostat-off mode	P_{TO}	**0.099**	kW	Standby mode	P_{SB}	**0.091**	kW
Other items							
Capacity control	variable						
Sound power level, outdoor	L_{WA}	**66.0**	dB	For water/brine-to-air air conditioner: Rated brine or water flow rate, outdoor side heat exchanger	-	**8**	m^3/h
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		**2088**	kg CO_{2eq} (100years)				
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: PQRY-P350YLM-A/A1/A2
Indoor: PEFY-P63VMHS2-E ×4 units , PEFY-P50VMHS2-E ×2 units

Outdoor heat exchanger of heat pump: water/brine

Indoor heat exchanger of heat pump: air

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

if applicable: driver of compressor: electric motor

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	**39.81**	kW
T_j = + 2 ºC	Pdh	**24.23**	kW
T_j = + 7 ºC	Pdh	**15.58**	kW
T_j = + 12 ºC	Pdh	**7.81**	kW
T_j = bivalent temperature	Pdh	**45.00**	kW
T_j = operation limit	Pdh	**45.00**	kW
For air-to-water heat pumps: T_j = - 15 ºC (if T_{OL} < - 20 ºC)	Pdh	-	kW
Bivalent temperature	T_{biv}	**-10**	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}	**0.099**	kW
Crankcase heater mode	P_{CK}	**0.036**	kW
Other items			
Capacity control	variable		
Sound power level, indoor / outdoor measured	L_{WA}	**68.0**	dB
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh
GWP of the refrigerant		**2088**	kg CO_{2eq} (100years)

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	$\eta_{s,h}$	**168.8**	%
Declared coefficient of performance for part load at given outdoor temperatures T_j			
T_j = - 7 ºC	COP_d	**3.72**	~~%~~
T_j = + 2 ºC	COP_d	**4.44**	~~%~~
T_j = + 7 ºC	COP_d	**4.89**	~~%~~
T_j = + 12 ºC	COP_d	**4.74**	~~%~~
T_j = bivalent temperature	COP_d	**3.56**	~~%~~
T_j = operation limit	COP_d	**3.56**	~~%~~
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}	**-10**	ºC
Supplementary heater			
Electric back-up heating capacity *	elbu	**0.000**	kW
Type of energy input			
Standby mode	P_{SB}	**0.091**	kW
For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	-	m³/h
For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	**11**	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: PQHY-P400YLM-A/A1/A2 Indoor: PEFY-P71VMHS2-E ×5 units , PEFY-P50VMHS2-E ×1 units							
Outdoor heat exchanger of air conditioner: water/brine							
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	$\eta_{s,c}$	**293.2**	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27ºº/19ºC (dry/wet bulb)				Declared energy efficiency ratio for part load at given outdoor temperatures T_j			
T_j = +35 ºC	Pdc	**45.00**	kW	T_j = +35 ºC	EER_d	**4.37**	~~%~~
T_j = + 30 ºC	Pdc	**33.16**	kW	T_j = + 30 ºC	EER_d	**6.20**	~~%~~
T_j = + 25 ºC	Pdc	**21.32**	kW	T_j = + 25 ºC	EER_d	**10.76**	~~%~~
T_j = + 20 ºC	Pdc	**12.41**	kW	T_j = + 20 ºC	EER_d	**8.80**	~~%~~
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}	**0.036**	kW
Thermostat-off mode	P_{TO}	**0.078**	kW	Standby mode	P_{SB}	**0.070**	kW
Other items							
Capacity control	variable						
Sound power level, outdoor	L_{WA}	**66.0**	dB	For water/brine-to-air air conditioner: Rated brine or water flow rate, outdoor side heat exchanger	-	**9**	m^3/h
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		**2088**	kg CO_{2eq} (100years)				
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: PQHY-P400YLM-A/A1/A2 Indoor: PEFY-P71VMHS2-E ×5 units , PEFY-P50VMHS2-E ×1 units							
Outdoor heat exchanger of heat pump: water/brine							
Indoor heat exchanger of heat pump: air							
Indication if the heater is equipped with a supplementary heater: no							
if applicable: driver of compressor: electric motor							
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	**50.00**	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	**167.2**	%
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j				Declared coefficient of performance for part load at given outdoor temperatures T_j			
T_j = - 7 ºC	Pdh	**44.23**	kW	T_j = - 7 ºC	COP_d	**3.92**	~~%~~
T_j = + 2 ºC	Pdh	**26.92**	kW	T_j = + 2 ºC	COP_d	**4.69**	~~%~~
T_j = + 7 ºC	Pdh	**17.31**	kW	T_j = + 7 ºC	COP_d	**4.80**	~~%~~
T_j = + 12 ºC	Pdh	**7.69**	kW	T_j = + 12 ºC	COP_d	**3.22**	~~%~~
T_j = bivalent temperature	Pdh	**50.00**	kW	T_j = bivalent temperature	COP_d	**3.77**	~~%~~
T_j = operation limit	Pdh	**50.00**	kW	T_j = operation limit	COP_d	**3.77**	~~%~~
For air-to-water heat pumps: T_j = - 15 ºC (if T_{OL} < - 20 ºC)	Pdh	-	kW	For water-to-air heat pumps: T_j = - 15 ºC (if T_{OL} < -20 ºC)	COP_d	-	~~%~~
Bivalent temperature	T_{biv}	**-10**	ºC	For water-to-air heat pumps: Operation limit temperature	T_{ol}	**-10**	ºC
Degradation co-efficient heat pumps**	C_{dh}	**0.25**	-				
Power consumption in modes other than 'active mode'				Supplementary heater			
Off mode	P_{OFF}	**0.000**	kW	Electric back-up heating capacity *	elbu	**0.000**	kW
Thermostat-off mode	P_{TO}	**0.078**	kW	Type of energy input			
Crankcase heater mode	P_{CK}	**0.036**	kW	Standby mode	P_{SB}	**0.070**	kW
Other items							
Capacity control	variable			For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	-	m^3/h
Sound power level, indoor / outdoor measured	L_{WA}	**69.0**	dB	For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	**12**	m^3/h
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh				
GWP of the refrigerant		**2088**	kg CO_{2eq} (100years)				
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: PQRY-P400YLM-A/A1/A2
Indoor: PEFY-P71VMHS2-E ×5 units , PEFY-P50VMHS2-E ×1 units

Outdoor heat exchanger of air conditioner: water/brine

Indoor heat exchanger of air conditioner: air

Type: compressor driven vapour compression

if applicable: driver of compressor: electric motor

Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	**45.00**	kW
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27ºC/19ºC (dry/wet bulb)			
T_j = +35 ºC	Pdc	**45.00**	kW
T_j = + 30 ºC	Pdc	**33.16**	kW
T_j = + 25 ºC	Pdc	**21.32**	kW
T_j = + 20 ºC	Pdc	**12.41**	kW
Degradation co-efficient air conditioners**	C_d	**0.25**	-
Power consumption in modes other than 'active mode'			
Off mode	P_{OFF}	**0.000**	kW
Thermostat-off mode	P_{TO}	**0.099**	kW
Other items			
Capacity control	variable		
Sound power level, outdoor	L_{WA}	**66.0**	dB
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV
GWP of the refrigerant		**2088**	kg CO_{2eq} (100years)

Item	Symbol	Value	Unit
Seasonal space cooling energy efficiency	$\eta_{s,c}$	**289.6**	%
Declared energy efficiency ratio for part load at given outdoor temperatures T_j			
T_j = +35 ºC	EER_d	**4.37**	~~%~~
T_j = + 30 ºC	EER_d	**6.20**	~~%~~
T_j = + 25 ºC	EER_d	**10.76**	~~%~~
T_j = + 20 ºC	EER_d	**8.80**	~~%~~
Crankcase heater mode	P_{CK}	**0.036**	kW
Standby mode	P_{SB}	**0.091**	kW
For water/brine-to-air air conditioner: Rated brine or water flow rate, outdoor side heat exchanger	-	**9**	m^3/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 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: PQRY-P400YLM-A/A1/A2
Indoor: PEFY-P71VMHS2-E ×5 units , PEFY-P50VMHS2-E ×1 units

Outdoor heat exchanger of heat pump: water/brine

Indoor heat exchanger of heat pump: air

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

if applicable: driver of compressor: electric motor

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	$P_{rated,h}$	**50.00**	kW
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j			
T_j = - 7 ºC	Pdh	**44.23**	kW
T_j = + 2 ºC	Pdh	**26.92**	kW
T_j = + 7 ºC	Pdh	**17.31**	kW
T_j = + 12 ºC	Pdh	**7.69**	kW
T_j = bivalent temperature	Pdh	**50.00**	kW
T_j = operation limit	Pdh	**50.00**	kW
For air-to-water heat pumps: T_j = - 15 ºC (if T_{OL} < - 20 ºC)	Pdh	**-**	kW
Bivalent temperature	T_{biv}	**-10**	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}	**0.099**	kW
Crankcase heater mode	P_{CK}	**0.036**	kW
Other items			
Capacity control	variable		
Sound power level, indoor / outdoor measured	L_{WA}	**69.0**	dB
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh
GWP of the refrigerant		**2088**	kg CO_{2eq} (100years)

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	$\eta_{s,h}$	**167.2**	%
Declared coefficient of performance for part load at given outdoor temperatures T_j			
T_j = - 7 ºC	COP_d	**3.92**	~~%~~
T_j = + 2 ºC	COP_d	**4.69**	~~%~~
T_j = + 7 ºC	COP_d	**4.80**	~~%~~
T_j = + 12 ºC	COP_d	**3.22**	~~%~~
T_j = bivalent temperature	COP_d	**3.77**	~~%~~
T_j = operation limit	COP_d	**3.77**	~~%~~
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}	**-10**	ºC
Supplementary heater			
Electric back-up heating capacity *	elbu	**0.000**	kW
Type of energy input			
Standby mode	P_{SB}	**0.091**	kW
For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	-	m³/h
For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	**12**	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: PQHY-P450YLM-A/A1/A2 Indoor: PEFY-P63VMHS2-E ×4 units , PEFY-P50VMHS2-E ×4 units							
Outdoor heat exchanger of air conditioner: water/brine							
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	$\eta_{s,c}$	**262.0**	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27º/19ºC (dry/wet bulb)				Declared energy efficiency ratio for part load at given outdoor temperatures T_j			
T_j = +35 ºC	Pdc	**50.00**	kW	T_j = +35 ºC	EER_d	**4.31**	~~%~~
T_j = + 30 ºC	Pdc	**36.84**	kW	T_j = + 30 ºC	EER_d	**6.99**	~~%~~
T_j = + 25 ºC	Pdc	**23.68**	kW	T_j = + 25 ºC	EER_d	**7.55**	~~%~~
T_j = + 20 ºC	Pdc	**12.53**	kW	T_j = + 20 ºC	EER_d	**8.13**	~~%~~
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}	**0.036**	kW
Thermostat-off mode	P_{TO}	**0.081**	kW	Standby mode	P_{SB}	**0.070**	kW
Other items							
Capacity control	variable						
Sound power level, outdoor	L_{WA}	**70.0**	dB	For water/brine-to-air air conditioner: Rated brine or water flow rate, outdoor side heat exchanger	-	**10**	m^3/h
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		**2088**	kg CO_{2eq} (100years)				
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: PQHY-P450YLM-A/A1/A2
Indoor: PEFY-P63VMHS2-E ×4 units , PEFY-P50VMHS2-E ×4 units

Outdoor heat exchanger of heat pump: water/brine

Indoor heat exchanger of heat pump: air

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

if applicable: driver of compressor: electric motor

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	**49.54**	kW
T_j = + 2 ºC	Pdh	**30.15**	kW
T_j = + 7 ºC	Pdh	**19.38**	kW
T_j = + 12 ºC	Pdh	**8.62**	kW
T_j = bivalent temperature	Pdh	**56.00**	kW
T_j = operation limit	Pdh	**56.00**	kW
For air-to-water heat pumps: T_j = - 15 ºC (if T_{OL} < - 20 ºC)	Pdh	**-**	kW
Bivalent temperature	T_{biv}	**-10**	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}	**0.036**	kW
Other items			
Capacity control	variable		
Sound power level, indoor / outdoor measured	L_{WA}	**70.5**	dB
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh
GWP of the refrigerant		**2088**	kg CO_{2eq} (100years)

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	$\eta_{s,h}$	**164.0**	%
Declared coefficient of performance for part load at given outdoor temperatures T_j			
T_j = - 7 ºC	COP_d	**3.99**	~~%~~
T_j = + 2 ºC	COP_d	**4.57**	~~%~~
T_j = + 7 ºC	COP_d	**4.69**	~~%~~
T_j = + 12 ºC	COP_d	**3.01**	~~%~~
T_j = bivalent temperature	COP_d	**3.76**	~~%~~
T_j = operation limit	COP_d	**3.76**	~~%~~
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}	**-10**	ºC
Supplementary heater			
Electric back-up heating capacity *	elbu	**0.000**	kW
Type of energy input			
Standby mode	P_{SB}	**0.070**	kW
For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	-	m³/h
For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	**14**	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: PQRY-P450YLM-A/A1/A2 Indoor: PEFY-P63VMHS2-E ×4 units , PEFY-P50VMHS2-E ×4 units							
Outdoor heat exchanger of air conditioner: water/brine							
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	$\eta_{s,c}$	**259.4**	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27ºC/19ºC (dry/wet bulb)				Declared energy efficiency ratio for part load at given outdoor temperatures T_j			
T_j = +35 ºC	Pdc	**50.00**	kW	T_j = +35 ºC	EER_d	**4.31**	~~%~~
T_j = + 30 ºC	Pdc	**36.84**	kW	T_j = + 30 ºC	EER_d	**6.99**	~~%~~
T_j = + 25 ºC	Pdc	**23.68**	kW	T_j = + 25 ºC	EER_d	**7.55**	~~%~~
T_j = + 20 ºC	Pdc	**12.53**	kW	T_j = + 20 ºC	EER_d	**8.13**	~~%~~
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}	**0.036**	kW
Thermostat-off mode	P_{TO}	**0.102**	kW	Standby mode	P_{SB}	**0.091**	kW
Other items							
Capacity control	variable						
Sound power level, outdoor	L_{WA}	**70.0**	dB	For water/brine-to-air air conditioner: Rated brine or water flow rate, outdoor side heat exchanger	-	**10**	m^3/h
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		**2088**	kg CO_{2eq} (100years)				
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: PQRY-P450YLM-A/A1/A2 Indoor: PEFY-P63VMHS2-E ×4 units , PEFY-P50VMHS2-E ×4 units							
Outdoor heat exchanger of heat pump: water/brine							
Indoor heat exchanger of heat pump: air							
Indication if the heater is equipped with a supplementary heater: no							
if applicable: driver of compressor: electric motor							
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	**56.00**	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	**164.0**	%
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j				Declared coefficient of performance for part load at given outdoor temperatures T_j			
T_j = - 7 ºC	Pdh	**49.54**	kW	T_j = - 7 ºC	COP_d	**3.99**	~~%~~
T_j = + 2 ºC	Pdh	**30.15**	kW	T_j = + 2 ºC	COP_d	**4.57**	~~%~~
T_j = + 7 ºC	Pdh	**19.38**	kW	T_j = + 7 ºC	COP_d	**4.69**	~~%~~
T_j = + 12 ºC	Pdh	**8.62**	kW	T_j = + 12 ºC	COP_d	**3.01**	~~%~~
T_j = bivalent temperature	Pdh	**56.00**	kW	T_j = bivalent temperature	COP_d	**3.76**	~~%~~
T_j = operation limit	Pdh	**56.00**	kW	T_j = operation limit	COP_d	**3.76**	~~%~~
For air-to-water heat pumps: T_j = - 15 ºC (if T_{OL} < - 20 ºC)	Pdh	-	kW	For water-to-air heat pumps: T_j = - 15 ºC (if T_{OL} < -20 ºC)	COP_d	-	~~%~~
Bivalent temperature	T_{biv}	**-10**	ºC	For water-to-air heat pumps: Operation limit temperature	T_{ol}	**-10**	ºC
Degradation co-efficient heat pumps**	C_{dh}	**0.25**	-				
Power consumption in modes other than 'active mode'				Supplementary heater			
Off mode	P_{OFF}	**0.000**	kW	Electric back-up heating capacity *	elbu	**0.000**	kW
Thermostat-off mode	P_{TO}	**0.102**	kW	Type of energy input			
Crankcase heater mode	P_{CK}	**0.036**	kW	Standby mode	P_{SB}	**0.091**	kW
Other items							
Capacity control	variable			For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	-	m^3/h
Sound power level, indoor / outdoor measured	L_{WA}	**70.5**	dB	For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	**14**	m^3/h
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh				
GWP of the refrigerant		**2088**	kg CO_{2eq} (100years)				
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: PQHY-P500YLM-A/A1/A2 Indoor: PEFY-P63VMHS2-E ×8 units								
Outdoor heat exchanger of air conditioner: water/brine								
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	$\eta_{s,c}$		**249.2**	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27º/19ºC (dry/wet bulb)				Declared energy efficiency ratio for part load at given outdoor temperatures T_j				
T_j = +35 ºC	Pdc	**56.00**	kW	T_j = +35 ºC	EER_d		**4.64**	**~~%~~**
T_j = + 30 ºC	Pdc	**41.26**	kW	T_j = + 30 ºC	EER_d		**7.02**	**~~%~~**
T_j = + 25 ºC	Pdc	**26.53**	kW	T_j = + 25 ºC	EER_d		**6.54**	**~~%~~**
T_j = + 20 ºC	Pdc	**12.91**	kW	T_j = + 20 ºC	EER_d		**7.55**	**~~%~~**
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}		**0.036**	kW
Thermostat-off mode	P_{TO}	**0.081**	kW	Standby mode	P_{SB}		**0.070**	kW
Other items								
Capacity control	variable							
Sound power level, outdoor	L_{WA}	**70.5**	dB	For water/brine-to-air air conditioner: Rated brine or water flow rate, outdoor side heat exchanger	-		**11**	m^3/h
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV					
GWP of the refrigerant		**2088**	kg CO_{2eq} (100years)					
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: PQHY-P500YLM-A/A1/A2 Indoor: PEFY-P63VMHS2-E ×8 units

Outdoor heat exchanger of heat pump: water/brine

Indoor heat exchanger of heat pump: air

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

if applicable: driver of compressor: electric motor

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	$P_{rated,h}$	**63.00**	kW
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j			
T_j = - 7 ºC	Pdh	**55.73**	kW
T_j = + 2 ºC	Pdh	**33.92**	kW
T_j = + 7 ºC	Pdh	**21.81**	kW
T_j = + 12 ºC	Pdh	**9.69**	kW
T_j = bivalent temperature	Pdh	**63.00**	kW
T_j = operation limit	Pdh	**63.00**	kW
For air-to-water heat pumps: T_j = - 15 ºC (if T_{OL} < - 20 ºC)	Pdh	**-**	kW
Bivalent temperature	T_{biv}	**-10**	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}	**0.036**	kW
Other items			
Capacity control	variable		
Sound power level, indoor / outdoor measured	L_{WA}	**72.0**	dB
Emissions of nitrogen oxides (if applicable)	NO_x	**-**	mg/kWh
GWP of the refrigerant		**2088**	kg CO_{2eq} (100years)

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	$\eta_{s,h}$	**158.8**	%
Declared coefficient of performance for part load at given outdoor temperatures T_j			
T_j = - 7 ºC	COP_d	**3.78**	~~%~~
T_j = + 2 ºC	COP_d	**4.40**	~~%~~
T_j = + 7 ºC	COP_d	**4.54**	~~%~~
T_j = + 12 ºC	COP_d	**3.12**	~~%~~
T_j = bivalent temperature	COP_d	**3.60**	~~%~~
T_j = operation limit	COP_d	**3.60**	~~%~~
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}	**-10**	ºC
Supplementary heater			
Electric back-up heating capacity *	elbu	**0.000**	kW
Type of energy input			
Standby mode	P_{SB}	**0.070**	kW

For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	-	m³/h
For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	**15**	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: PQRY-P500YLM-A/A1/A2 Indoor: PEFY-P63VMHS2-E ×8 units							
Outdoor heat exchanger of air conditioner: water/brine							
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	$\eta_{s,c}$	**247.1**	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27º/19ºC (dry/wet bulb)				Declared energy efficiency ratio for part load at given outdoor temperatures T_j			
T_j = +35 ºC	Pdc	**56.00**	kW	T_j = +35 ºC	EER_d	**4.64**	~~%~~
T_j = + 30 ºC	Pdc	**41.26**	kW	T_j = + 30 ºC	EER_d	**7.02**	~~%~~
T_j = + 25 ºC	Pdc	**26.53**	kW	T_j = + 25 ºC	EER_d	**6.54**	~~%~~
T_j = + 20 ºC	Pdc	**12.91**	kW	T_j = + 20 ºC	EER_d	**7.55**	~~%~~
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}	**0.036**	kW
Thermostat-off mode	P_{TO}	**0.102**	kW	Standby mode	P_{SB}	**0.091**	kW
Other items							
Capacity control	variable						
Sound power level, outdoor	L_{WA}	**70.5**	dB	For water/brine-to-air air conditioner: Rated brine or water flow rate, outdoor side heat exchanger	-	**11**	m^3/h
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		**2088**	kg CO_{2eq} (100years)				
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: PQRY-P500YLM-A/A1/A2 Indoor: PEFY-P63VMHS2-E ×8 units

Outdoor heat exchanger of heat pump: water/brine

Indoor heat exchanger of heat pump: air

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

if applicable: driver of compressor: electric motor

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	$P_{rated,h}$	**63.00**	kW
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j			
T_j = - 7 ºC	Pdh	**55.73**	kW
T_j = + 2 ºC	Pdh	**33.92**	kW
T_j = + 7 ºC	Pdh	**21.81**	kW
T_j = + 12 ºC	Pdh	**9.69**	kW
T_j = bivalent temperature	Pdh	**63.00**	kW
T_j = operation limit	Pdh	**63.00**	kW
For air-to-water heat pumps: T_j = - 15 ºC (if T_{OL} < - 20 ºC)	Pdh	**-**	kW
Bivalent temperature	T_{biv}	**-10**	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}	**0.102**	kW
Crankcase heater mode	P_{CK}	**0.036**	kW
Other items			
Capacity control	variable		
Sound power level, indoor / outdoor measured	L_{WA}	**72.0**	dB
Emissions of nitrogen oxides (if applicable)	NO_x	**-**	mg/kWh
GWP of the refrigerant		**2088**	kg CO_{2eq} (100years)

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	$\eta_{s,h}$	**158.8**	%
Declared coefficient of performance for part load at given outdoor temperatures T_j			
T_j = - 7 ºC	COP_d	**3.78**	~~%~~
T_j = + 2 ºC	COP_d	**4.40**	~~%~~
T_j = + 7 ºC	COP_d	**4.54**	~~%~~
T_j = + 12 ºC	COP_d	**3.12**	~~%~~
T_j = bivalent temperature	COP_d	**3.60**	~~%~~
T_j = operation limit	COP_d	**3.60**	~~%~~
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}	**-10**	ºC
Supplementary heater			
Electric back-up heating capacity *	elbu	**0.000**	kW
Type of energy input			
Standby mode	P_{SB}	**0.091**	kW

For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	-	m³/h
For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	**15**	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: PQHY-P550YLM-A/A1/A2 Indoor: PEFY-P71VMHS2-E ×8 units								
Outdoor heat exchanger of air conditioner: water/brine								
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	$P_{rated,c}$	**63.00**	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$		**272.8**	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27º/19ºC (dry/wet bulb)				Declared energy efficiency ratio for part load at given outdoor temperatures T_j				
T_j = +35 ºC	Pdc	**63.00**	kW	T_j = +35 ºC	EER_d		**4.62**	~~%~~
T_j = + 30 ºC	Pdc	**46.42**	kW	T_j = + 30 ºC	EER_d		**6.03**	~~%~~
T_j = + 25 ºC	Pdc	**29.84**	kW	T_j = + 25 ºC	EER_d		**10.13**	~~%~~
T_j = + 20 ºC	Pdc	**13.26**	kW	T_j = + 20 ºC	EER_d		**6.26**	~~%~~
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}		**0.045**	kW
Thermostat-off mode	P_{TO}	**0.072**	kW	Standby mode	P_{SB}		**0.061**	kW
Other items								
Capacity control	variable							
Sound power level, outdoor	L_{WA}	**71.5**	dB	For water/brine-to-air air conditioner: Rated brine or water flow rate, outdoor side heat exchanger	-		**12**	m^3/h
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV					
GWP of the refrigerant		**2088**	kg CO_{2eq} (100years)					
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: PQHY-P550YLM-A/A1/A2 Indoor: PEFY-P71VMHS2-E ×8 units

Outdoor heat exchanger of heat pump: water/brine

Indoor heat exchanger of heat pump: air

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

if applicable: driver of compressor: electric motor

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

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	**69.00**	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	**148.0**	%
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j				Declared coefficient of performance for part load at given outdoor temperatures T_j			
T_j = - 7 ºC	Pdh	**61.04**	kW	T_j = - 7 ºC	COP_d	**3.65**	~~%~~
T_j = + 2 ºC	Pdh	**37.15**	kW	T_j = + 2 ºC	COP_d	**4.22**	~~%~~
T_j = + 7 ºC	Pdh	**23.88**	kW	T_j = + 7 ºC	COP_d	**4.06**	~~%~~
T_j = + 12 ºC	Pdh	**10.72**	kW	T_j = + 12 ºC	COP_d	**2.86**	~~%~~
T_j = bivalent temperature	Pdh	**69.00**	kW	T_j = bivalent temperature	COP_d	**3.34**	~~%~~
T_j = operation limit	Pdh	**69.00**	kW	T_j = operation limit	COP_d	**3.34**	~~%~~
For air-to-water heat pumps: T_j = - 15 ºC (if T_{OL} < - 20 ºC)	Pdh	**-**	kW	For water-to-air heat pumps: T_j = - 15 ºC (if T_{OL} < -20 ºC)	COP_d	**-**	~~%~~
Bivalent temperature	T_{biv}	**-10**	ºC	For water-to-air heat pumps: Operation limit temperature	T_{ol}	**-10**	ºC
Degradation co-efficient heat pumps**	C_{dh}	**0.25**	-				
Power consumption in modes other than 'active mode'				Supplementary heater			
Off mode	P_{OFF}	**0.000**	kW	Electric back-up heating capacity *	elbu	**0.000**	kW
Thermostat-off mode	P_{TO}	**0.072**	kW	Type of energy input			
Crankcase heater mode	P_{CK}	**0.045**	kW	Standby mode	P_{SB}	**0.061**	kW
Other items							
Capacity control	variable			For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	-	m³/h
Sound power level, indoor / outdoor measured	L_{WA}	**72.0**	dB	For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	**17**	m³/h
Emissions of nitrogen oxides (if applicable)	NO_x	**-**	mg/kWh				
GWP of the refrigerant		**2088**	kg CO_{2eq} (100years)				
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: PQRY-P550YLM-A/A1/A2 Indoor: PEFY-P71VMHS2-E ×8 units								
Outdoor heat exchanger of air conditioner: water/brine								
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	$P_{rated,c}$	**63.00**	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$		**270.6**	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27º/19ºC (dry/wet bulb)				Declared energy efficiency ratio for part load at given outdoor temperatures T_j				
T_j = +35 ºC	Pdc	**63.00**	kW	T_j = +35 ºC	EER_d		**4.62**	~~%~~
T_j = + 30 ºC	Pdc	**46.42**	kW	T_j = + 30 ºC	EER_d		**6.03**	~~%~~
T_j = + 25 ºC	Pdc	**29.84**	kW	T_j = + 25 ºC	EER_d		**10.13**	~~%~~
T_j = + 20 ºC	Pdc	**13.26**	kW	T_j = + 20 ºC	EER_d		**6.26**	~~%~~
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}		**0.045**	kW
Thermostat-off mode	P_{TO}	**0.093**	kW	Standby mode	P_{SB}		**0.082**	kW
Other items								
Capacity control	variable							
Sound power level, outdoor	L_{WA}	**71.5**	dB	For water/brine-to-air air conditioner: Rated brine or water flow rate, outdoor side heat exchanger	-		**12**	m^3/h
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV					
GWP of the refrigerant		**2088**	kg CO_{2eq} (100years)					
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: PQRY-P550YLM-A/A1/A2 Indoor: PEFY-P71VMHS2-E ×8 units

Outdoor heat exchanger of heat pump: water/brine

Indoor heat exchanger of heat pump: air

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

if applicable: driver of compressor: electric motor

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	$P_{rated,h}$	**69.00**	kW
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j			
T_j = - 7 ºC	Pdh	**61.04**	kW
T_j = + 2 ºC	Pdh	**37.15**	kW
T_j = + 7 ºC	Pdh	**23.88**	kW
T_j = + 12 ºC	Pdh	**10.72**	kW
T_j = bivalent temperature	Pdh	**69.00**	kW
T_j = operation limit	Pdh	**69.00**	kW
For air-to-water heat pumps: T_j = - 15 ºC (if T_{OL} < - 20 ºC)	Pdh	**-**	kW
Bivalent temperature	T_{biv}	**-10**	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}	**0.093**	kW
Crankcase heater mode	P_{CK}	**0.045**	kW
Other items			
Capacity control	variable		
Sound power level, indoor / outdoor measured	L_{WA}	**72.0**	dB
Emissions of nitrogen oxides (if applicable)	NO_x	**-**	mg/kWh
GWP of the refrigerant		**2088**	kg CO_{2eq} (100years)

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	$\eta_{s,h}$	**148.0**	%
Declared coefficient of performance for part load at given outdoor temperatures T_j			
T_j = - 7 ºC	COP_d	**3.65**	~~%~~
T_j = + 2 ºC	COP_d	**4.22**	~~%~~
T_j = + 7 ºC	COP_d	**4.06**	~~%~~
T_j = + 12 ºC	COP_d	**2.86**	~~%~~
T_j = bivalent temperature	COP_d	**3.34**	~~%~~
T_j = operation limit	COP_d	**3.34**	~~%~~
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}	**-10**	ºC
Supplementary heater			
Electric back-up heating capacity *	elbu	**0.000**	kW
Type of energy input			
Standby mode	P_{SB}	**0.082**	kW

For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	-	m³/h
For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	**17**	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: PQHY-P600YLM-A/A1/A2 Indoor: PEFY-P71VMHS2-E ×4 units , PEFY-P80VMHS2-E ×4 units							
Outdoor heat exchanger of air conditioner: water/brine							
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	$P_{rated,c}$	**69.00**	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	**272.8**	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27ºC/19ºC (dry/wet bulb)				Declared energy efficiency ratio for part load at given outdoor temperatures T_j			
T_j = +35 ºC	Pdc	**69.00**	kW	T_j = +35 ºC	EER_d	**4.15**	~~%~~
T_j = + 30 ºC	Pdc	**50.84**	kW	T_j = + 30 ºC	EER_d	**5.44**	~~%~~
T_j = + 25 ºC	Pdc	**32.68**	kW	T_j = + 25 ºC	EER_d	**10.74**	~~%~~
T_j = + 20 ºC	Pdc	**14.53**	kW	T_j = + 20 ºC	EER_d	**6.55**	~~%~~
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}	**0.045**	kW
Thermostat-off mode	P_{TO}	**0.072**	kW	Standby mode	P_{SB}	**0.061**	kW
Other items							
Capacity control	variable						
Sound power level, outdoor	L_{WA}	**73.0**	dB	For water/brine-to-air air conditioner: Rated brine or water flow rate, outdoor side heat exchanger	-	**14**	m^3/h
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		**2088**	kg CO_{2eq} (100years)				
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: PQHY-P600YLM-A/A1/A2 Indoor: PEFY-P71VMHS2-E ×4 units , PEFY-P80VMHS2-E ×4 units							
Outdoor heat exchanger of heat pump: water/brine							
Indoor heat exchanger of heat pump: air							
Indication if the heater is equipped with a supplementary heater: no							
if applicable: driver of compressor: electric motor							
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	**76.50**	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	**137.6**	%
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j				Declared coefficient of performance for part load at given outdoor temperatures T_j			
T_j = - 7 ºC	Pdh	**67.67**	kW	T_j = - 7 ºC	COP_d	**3.90**	~~%~~
T_j = + 2 ºC	Pdh	**41.19**	kW	T_j = + 2 ºC	COP_d	**4.41**	~~%~~
T_j = + 7 ºC	Pdh	**26.48**	kW	T_j = + 7 ºC	COP_d	**2.84**	~~%~~
T_j = + 12 ºC	Pdh	**11.77**	kW	T_j = + 12 ºC	COP_d	**2.93**	~~%~~
T_j = bivalent temperature	Pdh	**76.50**	kW	T_j = bivalent temperature	COP_d	**3.57**	~~%~~
T_j = operation limit	Pdh	**76.50**	kW	T_j = operation limit	COP_d	**3.57**	~~%~~
For air-to-water heat pumps: T_j = - 15 ºC (if T_{OL} < - 20 ºC)	Pdh	**-**	kW	For water-to-air heat pumps: T_j = - 15 ºC (if T_{OL} < -20 ºC)	COP_d	**-**	~~%~~
Bivalent temperature	T_{biv}	**-10**	ºC	For water-to-air heat pumps: Operation limit temperature	T_{ol}	**-10**	ºC
Degradation co-efficient heat pumps**	C_{dh}	**0.25**	-				
Power consumption in modes other than 'active mode'				Supplementary heater			
Off mode	P_{OFF}	**0.000**	kW	Electric back-up heating capacity *	elbu	**0.000**	kW
Thermostat-off mode	P_{TO}	**0.072**	kW	Type of energy input			
Crankcase heater mode	P_{CK}	**0.045**	kW	Standby mode	P_{SB}	**0.061**	kW
Other items							
Capacity control	variable			For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	-	m^3/h
Sound power level, indoor / outdoor measured	L_{WA}	**73.5**	dB	For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	**18**	m^3/h
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh				
GWP of the refrigerant		**2088**	kg CO_{2eq} (100years)				
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: PQRY-P600YLM-A/A1/A2 Indoor: PEFY-P71VMHS2-E ×4 units , PEFY-P80VMHS2-E ×4 units							
Outdoor heat exchanger of air conditioner: water/brine							
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	$P_{rated,c}$	**69.00**	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	**270.8**	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27ºº/19ºC (dry/wet bulb)				Declared energy efficiency ratio for part load at given outdoor temperatures T_j			
T_j = +35 ºC	Pdc	**69.00**	kW	T_j = +35 ºC	EER_d	**4.15**	~~%~~
T_j = + 30 ºC	Pdc	**50.84**	kW	T_j = + 30 ºC	EER_d	**5.44**	~~%~~
T_j = + 25 ºC	Pdc	**32.68**	kW	T_j = + 25 ºC	EER_d	**10.74**	~~%~~
T_j = + 20 ºC	Pdc	**14.53**	kW	T_j = + 20 ºC	EER_d	**6.55**	~~%~~
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}	**0.045**	kW
Thermostat-off mode	P_{TO}	**0.093**	kW	Standby mode	P_{SB}	**0.082**	kW
Other items							
Capacity control	variable						
Sound power level, outdoor	L_{WA}	**73.0**	dB	For water/brine-to-air air conditioner: Rated brine or water flow rate, outdoor side heat exchanger	-	**14**	m^3/h
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		**2088**	kg CO_{2eq} (100years)				
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: PQRY-P600YLM-A/A1/A2
Indoor: PEFY-P71VMHS2-E ×4 units , PEFY-P80VMHS2-E ×4 units

Outdoor heat exchanger of heat pump: water/brine

Indoor heat exchanger of heat pump: air

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

if applicable: driver of compressor: electric motor

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	$P_{rated,h}$	**76.50**	kW
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j			
T_j = - 7 ºC	Pdh	**67.67**	kW
T_j = + 2 ºC	Pdh	**41.19**	kW
T_j = + 7 ºC	Pdh	**26.48**	kW
T_j = + 12 ºC	Pdh	**11.77**	kW
T_j = bivalent temperature	Pdh	**76.50**	kW
T_j = operation limit	Pdh	**76.50**	kW
For air-to-water heat pumps: T_j = - 15 ºC (if T_{OL} < - 20 ºC)	Pdh	**-**	kW
Bivalent temperature	T_{biv}	**-10**	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}	**0.093**	kW
Crankcase heater mode	P_{CK}	**0.045**	kW
Other items			
Capacity control	variable		
Sound power level, indoor / outdoor measured	L_{WA}	**73.5**	dB
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh
GWP of the refrigerant		**2088**	kg CO_{2eq} (100years)

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	$\eta_{s,h}$	**137.6**	%
Declared coefficient of performance for part load at given outdoor temperatures T_j			
T_j = - 7 ºC	COP_d	**3.90**	~~%~~
T_j = + 2 ºC	COP_d	**4.41**	~~%~~
T_j = + 7 ºC	COP_d	**2.84**	~~%~~
T_j = + 12 ºC	COP_d	**2.93**	~~%~~
T_j = bivalent temperature	COP_d	**3.57**	~~%~~
T_j = operation limit	COP_d	**3.57**	~~%~~
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}	**-10**	ºC
Supplementary heater			
Electric back-up heating capacity *	elbu	**0.000**	kW
Type of energy input			
Standby mode	P_{SB}	**0.082**	kW
For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	-	m³/h
For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	**18**	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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