

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 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio for part load at given outdoor temperatures T_j			
$T_j = +35\text{ °C}$	P_{dc}	22.40	kW	$T_j = +35\text{ °C}$	EER_d	6.42	%
$T_j = +30\text{ °C}$	P_{dc}	16.51	kW	$T_j = +30\text{ °C}$	EER_d	8.64	%
$T_j = +25\text{ °C}$	P_{dc}	10.61	kW	$T_j = +25\text{ °C}$	EER_d	10.26	%
$T_j = +20\text{ °C}$	P_{dc}	8.01	kW	$T_j = +20\text{ °C}$	EER_d	11.98	%
Degradation efficient conditioners**	co-air C_d	0.25	-				
Power consumption in modes other than 'active mode'				Crankcase heater mode			
Off mode	P_{OFF}	0.000	kW	Standby mode	P_{SB}	0.032	kW
Thermostat-off mode	P_{TO}	0.080	kW			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.							

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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	Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	25.00	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	193.2	%
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			
$T_j = - 7\text{ °C}$	P_{dh}	22.12	kW	$T_j = - 7\text{ °C}$	COP_d	5.40	%
$T_j = + 2\text{ °C}$	P_{dh}	13.46	kW	$T_j = + 2\text{ °C}$	COP_d	5.26	%
$T_j = + 7\text{ °C}$	P_{dh}	8.65	kW	$T_j = + 7\text{ °C}$	COP_d	4.95	%
$T_j = + 12\text{ °C}$	P_{dh}	6.78	kW	$T_j = + 12\text{ °C}$	COP_d	4.74	%
$T_j =$ bivalent temperature	P_{dh}	25.00	kW	$T_j =$ bivalent temperature	COP_d	5.36	%
$T_j =$ operation limit	P_{dh}	25.00	kW	$T_j =$ operation limit	COP_d	5.36	%
For air-to-water heat pumps: $T_j = - 15\text{ °C}$ (if $T_{OL} < - 20\text{ °C}$)	P_{dh}	-	kW	For water-to-air heat pumps: $T_j = - 15\text{ °C}$ (if $T_{OL} < - 20\text{ °C}$)	COP_d	-	%
Bivalent temperature	T_{biv}	-10	°C	For water-to-air heat pumps: Operation limit temperature	T_{ol}	-10	°C
Degradation co-efficient pumps**	heat 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}	0.080	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0.032	kW	Standby mode	P_{SB}	0.074	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}	61.5	dB	For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	6	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.							

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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 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio for part load at given outdoor temperatures T_j			
$T_j = +35\text{ °C}$	P_{dc}	22.40	kW	$T_j = +35\text{ °C}$	EER_d	6.42	%
$T_j = +30\text{ °C}$	P_{dc}	16.51	kW	$T_j = +30\text{ °C}$	EER_d	8.64	%
$T_j = +25\text{ °C}$	P_{dc}	10.61	kW	$T_j = +25\text{ °C}$	EER_d	10.26	%
$T_j = +20\text{ °C}$	P_{dc}	8.01	kW	$T_j = +20\text{ °C}$	EER_d	11.98	%
Degradation efficient conditioners**	co-air C_d	0.25	-				
Power consumption in modes other than 'active mode'				Crankcase heater mode P_{CK} 0.032 kW			
Off mode	P_{OFF}	0.000	kW	Standby mode	P_{SB}	0.095	kW
Thermostat-off mode	P_{TO}	0.101	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			
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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Information to identify the model(s) to which the information relates : Outdoor: PQR Y-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	Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	25.00	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	193.1	%
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			
$T_j = - 7\text{ °C}$	P_{dh}	22.12	kW	$T_j = - 7\text{ °C}$	COP_d	5.40	%
$T_j = + 2\text{ °C}$	P_{dh}	13.46	kW	$T_j = + 2\text{ °C}$	COP_d	5.26	%
$T_j = + 7\text{ °C}$	P_{dh}	8.65	kW	$T_j = + 7\text{ °C}$	COP_d	4.95	%
$T_j = + 12\text{ °C}$	P_{dh}	6.78	kW	$T_j = + 12\text{ °C}$	COP_d	4.74	%
$T_j =$ bivalent temperature	P_{dh}	25.00	kW	$T_j =$ bivalent temperature	COP_d	5.36	%
$T_j =$ operation limit	P_{dh}	25.00	kW	$T_j =$ operation limit	COP_d	5.36	%
For air-to-water heat pumps: $T_j = - 15\text{ °C}$ (if $T_{OL} < - 20\text{ °C}$)	P_{dh}	-	kW	For water-to-air heat pumps: $T_j = - 15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	COP_d	-	%
Bivalent temperature	T_{biv}	-10	°C	For water-to-air heat pumps: Operation limit temperature	T_{ol}	-10	°C
Degradation coefficient pumps**	co-heat 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}	0.101	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0.032	kW	Standby mode	P_{SB}	0.095	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}	61.5	dB	For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	6	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.							

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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 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio for part load at given outdoor temperatures T_j			
$T_j = +35\text{ °C}$	P_{dc}	28.00	kW	$T_j = +35\text{ °C}$	EER_d	6.74	%
$T_j = +30\text{ °C}$	P_{dc}	20.63	kW	$T_j = +30\text{ °C}$	EER_d	7.56	%
$T_j = +25\text{ °C}$	P_{dc}	13.26	kW	$T_j = +25\text{ °C}$	EER_d	10.42	%
$T_j = +20\text{ °C}$	P_{dc}	7.49	kW	$T_j = +20\text{ °C}$	EER_d	11.34	%
Degradation efficient conditioners**	co-air C_d	0.25	-				
Power consumption in modes other than 'active mode'				Crankcase heater mode			
Off mode	P_{OFF}	0.000	kW	Standby mode	P_{SB}	0.032	kW
Thermostat-off mode	P_{TO}	0.080	kW			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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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	Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	31.50	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	181.6	%
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			
$T_j = -7\text{ °C}$	P_{dh}	27.87	kW	$T_j = -7\text{ °C}$	COP_d	5.02	%
$T_j = +2\text{ °C}$	P_{dh}	16.96	kW	$T_j = +2\text{ °C}$	COP_d	5.04	%
$T_j = +7\text{ °C}$	P_{dh}	10.90	kW	$T_j = +7\text{ °C}$	COP_d	4.65	%
$T_j = +12\text{ °C}$	P_{dh}	6.64	kW	$T_j = +12\text{ °C}$	COP_d	4.07	%
$T_j =$ bivalent temperature	P_{dh}	31.50	kW	$T_j =$ bivalent temperature	COP_d	5.03	%
$T_j =$ operation limit	P_{dh}	31.50	kW	$T_j =$ operation limit	COP_d	5.03	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	P_{dh}	-	kW	For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	COP_d	-	%
Bivalent temperature	T_{biv}	-10	°C	For water-to-air heat pumps: Operation limit temperature	T_{ol}	-10	°C
Degradation coefficient 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}	0.080	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0.032	kW	Standby mode	P_{SB}	0.074	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}	65.0	dB	For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	8	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.							

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Outdoor: PQR Y-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 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio for part load at given outdoor temperatures T_j			
$T_j = +35\text{ °C}$	P_{dc}	28.00	kW	$T_j = +35\text{ °C}$	EER_d	6.74	%
$T_j = +30\text{ °C}$	P_{dc}	20.63	kW	$T_j = +30\text{ °C}$	EER_d	7.56	%
$T_j = +25\text{ °C}$	P_{dc}	13.26	kW	$T_j = +25\text{ °C}$	EER_d	10.42	%
$T_j = +20\text{ °C}$	P_{dc}	7.49	kW	$T_j = +20\text{ °C}$	EER_d	11.34	%
Degradation efficient conditioners**	co-air C_d	0.25	-				
Power consumption in modes other than 'active mode'				Crankcase heater mode			
Off mode	P_{OFF}	0.000	kW	Standby mode	P_{SB}	0.032	kW
Thermostat-off mode	P_{TO}	0.101	kW			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						
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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	$P_{rated,h}$	31.50	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	181.5	%
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			
$T_j = -7\text{ °C}$	P_{dh}	27.87	kW	$T_j = -7\text{ °C}$	COP_d	5.02	%
$T_j = +2\text{ °C}$	P_{dh}	16.96	kW	$T_j = +2\text{ °C}$	COP_d	5.04	%
$T_j = +7\text{ °C}$	P_{dh}	10.90	kW	$T_j = +7\text{ °C}$	COP_d	4.65	%
$T_j = +12\text{ °C}$	P_{dh}	6.64	kW	$T_j = +12\text{ °C}$	COP_d	4.07	%
$T_j =$ bivalent temperature	P_{dh}	31.50	kW	$T_j =$ bivalent temperature	COP_d	5.03	%
$T_j =$ operation limit	P_{dh}	31.50	kW	$T_j =$ operation limit	COP_d	5.03	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	P_{dh}	-	kW	For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	COP_d	-	%
Bivalent temperature	T_{biv}	-10	°C	For water-to-air heat pumps: Operation limit temperature	T_{ol}	-10	°C
Degradation coefficient pumps**	co-heat 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}	0.101	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0.032	kW	Standby mode	P_{SB}	0.095	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}	65.0	dB	For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	8	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.							

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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 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio for part load at given outdoor temperatures T_j			
$T_j = +35\text{ °C}$	P_{dc}	33.50	kW	$T_j = +35\text{ °C}$	EER_d	6.18	%
$T_j = +30\text{ °C}$	P_{dc}	24.68	kW	$T_j = +30\text{ °C}$	EER_d	6.05	%
$T_j = +25\text{ °C}$	P_{dc}	15.87	kW	$T_j = +25\text{ °C}$	EER_d	9.49	%
$T_j = +20\text{ °C}$	P_{dc}	8.86	kW	$T_j = +20\text{ °C}$	EER_d	10.57	%
Degradation efficient conditioners**	co-air C_d	0.25	-				
Power consumption in modes other than 'active mode'				Crankcase heater mode			
Off mode	P_{OFF}	0.000	kW	Standby mode	P_{SB}	0.032	kW
Thermostat-off mode	P_{TO}	0.082	kW			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	Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	37.50	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	179.2	%
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			
$T_j = -7\text{ °C}$	P_{dh}	33.17	kW	$T_j = -7\text{ °C}$	COP_d	5.00	%
$T_j = +2\text{ °C}$	P_{dh}	20.19	kW	$T_j = +2\text{ °C}$	COP_d	4.97	%
$T_j = +7\text{ °C}$	P_{dh}	12.98	kW	$T_j = +7\text{ °C}$	COP_d	4.54	%
$T_j = +12\text{ °C}$	P_{dh}	6.87	kW	$T_j = +12\text{ °C}$	COP_d	3.75	%
$T_j =$ bivalent temperature	P_{dh}	37.50	kW	$T_j =$ bivalent temperature	COP_d	4.82	%
$T_j =$ operation limit	P_{dh}	37.50	kW	$T_j =$ operation limit	COP_d	4.82	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	P_{dh}	-	kW	For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	COP_d	-	%
Bivalent temperature	T_{biv}	-10	°C	For water-to-air heat pumps: Operation limit temperature	T_{ol}	-10	°C
Degradation coefficient pumps**	co-heat 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}	0.082	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0.032	kW	Standby mode	P_{SB}	0.074	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}	71.0	dB	For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	10	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: PQR-Y-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 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio for part load at given outdoor temperatures T_j			
$T_j = +35\text{ °C}$	P_{dc}	33.50	kW	$T_j = +35\text{ °C}$	EER_d	6.18	%
$T_j = +30\text{ °C}$	P_{dc}	24.68	kW	$T_j = +30\text{ °C}$	EER_d	6.05	%
$T_j = +25\text{ °C}$	P_{dc}	15.87	kW	$T_j = +25\text{ °C}$	EER_d	9.49	%
$T_j = +20\text{ °C}$	P_{dc}	8.86	kW	$T_j = +20\text{ °C}$	EER_d	10.57	%
Degradation efficient conditioners**	co-air C_d	0.25	-				
Power consumption in modes other than 'active mode'				Crankcase heater mode			
Off mode	P_{OFF}	0.000	kW	Standby mode	P_{SB}	0.032	kW
Thermostat-off mode	P_{TO}	0.103	kW			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.							

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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	Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	37.50	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	179.1	%
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			
$T_j = - 7\text{ °C}$	P_{dh}	33.17	kW	$T_j = - 7\text{ °C}$	COP_d	5.00	%
$T_j = + 2\text{ °C}$	P_{dh}	20.19	kW	$T_j = + 2\text{ °C}$	COP_d	4.97	%
$T_j = + 7\text{ °C}$	P_{dh}	12.98	kW	$T_j = + 7\text{ °C}$	COP_d	4.54	%
$T_j = + 12\text{ °C}$	P_{dh}	6.87	kW	$T_j = + 12\text{ °C}$	COP_d	3.75	%
$T_j =$ bivalent temperature	P_{dh}	37.50	kW	$T_j =$ bivalent temperature	COP_d	4.82	%
$T_j =$ operation limit	P_{dh}	37.50	kW	$T_j =$ operation limit	COP_d	4.82	%
For air-to-water heat pumps: $T_j = - 15\text{ °C}$ (if $T_{OL} < - 20\text{ °C}$)	P_{dh}	-	kW	For water-to-air heat pumps: $T_j = - 15\text{ °C}$ (if $T_{OL} < - 20\text{ °C}$)	COP_d	-	%
Bivalent temperature	T_{biv}	-10	°C	For water-to-air heat pumps: Operation limit temperature	T_{ol}	-10	°C
Degradation coefficient pumps**	co-heat 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}	0.103	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0.032	kW	Standby mode	P_{SB}	0.095	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}	71.0	dB	For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	10	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.							

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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 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio for part load at given outdoor temperatures T_j			
$T_j = +35\text{ °C}$	P_{dc}	40.00	kW	$T_j = +35\text{ °C}$	EER_d	4.75	%
$T_j = +30\text{ °C}$	P_{dc}	29.47	kW	$T_j = +30\text{ °C}$	EER_d	7.95	%
$T_j = +25\text{ °C}$	P_{dc}	18.95	kW	$T_j = +25\text{ °C}$	EER_d	7.53	%
$T_j = +20\text{ °C}$	P_{dc}	12.74	kW	$T_j = +20\text{ °C}$	EER_d	12.58	%
Degradation efficient conditioners**	co-air C_d	0.25	-				
Power consumption in modes other than 'active mode'				Crankcase heater mode			
Off mode	P_{OFF}	0.000	kW	Standby mode	P_{SB}	0.036	kW
Thermostat-off mode	P_{TO}	0.078	kW			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			
$T_j = -7\text{ °C}$	P_{dh}	39.81	kW	$T_j = -7\text{ °C}$	COP_d	3.72	%
$T_j = +2\text{ °C}$	P_{dh}	24.23	kW	$T_j = +2\text{ °C}$	COP_d	4.44	%
$T_j = +7\text{ °C}$	P_{dh}	15.58	kW	$T_j = +7\text{ °C}$	COP_d	4.89	%
$T_j = +12\text{ °C}$	P_{dh}	7.81	kW	$T_j = +12\text{ °C}$	COP_d	4.74	%
$T_j =$ bivalent temperature	P_{dh}	45.00	kW	$T_j =$ bivalent temperature	COP_d	3.56	%
$T_j =$ operation limit	P_{dh}	45.00	kW	$T_j =$ operation limit	COP_d	3.56	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	P_{dh}	-	kW	For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	COP_d	-	%
Bivalent temperature	T_{biv}	-10	°C	For water-to-air heat pumps: Operation limit T_{ol} temperature		-10	°C
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				For air-to-air heat pumps: Nominal air flow rate, outdoor measured			
Capacity control		variable					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.							

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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 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio for part load at given outdoor temperatures T_j			
$T_j = +35\text{ °C}$	P_{dc}	40.00	kW	$T_j = +35\text{ °C}$	EER_d	4.75	%
$T_j = +30\text{ °C}$	P_{dc}	29.47	kW	$T_j = +30\text{ °C}$	EER_d	7.95	%
$T_j = +25\text{ °C}$	P_{dc}	18.95	kW	$T_j = +25\text{ °C}$	EER_d	7.53	%
$T_j = +20\text{ °C}$	P_{dc}	12.74	kW	$T_j = +20\text{ °C}$	EER_d	12.58	%
Degradation efficient conditioners**	co-air C_d	0.25	-				
Power consumption in modes other than 'active mode'				Crankcase heater mode			
Off mode	P_{OFF}	0.000	kW	Standby mode	P_{SB}	0.036	kW
Thermostat-off mode	P_{TO}	0.099	kW			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: PQRV-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			
$T_j = -7\text{ °C}$	P_{dh}	39.81	kW	$T_j = -7\text{ °C}$	COP_d	3.72	%
$T_j = +2\text{ °C}$	P_{dh}	24.23	kW	$T_j = +2\text{ °C}$	COP_d	4.44	%
$T_j = +7\text{ °C}$	P_{dh}	15.58	kW	$T_j = +7\text{ °C}$	COP_d	4.89	%
$T_j = +12\text{ °C}$	P_{dh}	7.81	kW	$T_j = +12\text{ °C}$	COP_d	4.74	%
$T_j = \text{bivalent temperature}$	P_{dh}	45.00	kW	$T_j = \text{bivalent temperature}$	COP_d	3.56	%
$T_j = \text{operation limit}$	P_{dh}	45.00	kW	$T_j = \text{operation limit}$	COP_d	3.56	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	P_{dh}	-	kW	For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	COP_d	-	%
Bivalent temperature	T_{biv}	-10	°C	For water-to-air heat pumps: Operation limit T_{ol} temperature		-10	°C
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 *	e_{lbu}	0.000	kW
Thermostat-off mode	P_{TO}	0.099	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0.036	kW	Standby mode	P_{SB}	0.091	kW
Other items				For air-to-air heat pumps: Nominal air flow rate, outdoor measured			
Capacity control		variable					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.							

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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 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio for part load at given outdoor temperatures T_j			
$T_j = +35\text{ °C}$	P_{dc}	45.00	kW	$T_j = +35\text{ °C}$	EER_d	4.37	%
$T_j = +30\text{ °C}$	P_{dc}	33.16	kW	$T_j = +30\text{ °C}$	EER_d	6.20	%
$T_j = +25\text{ °C}$	P_{dc}	21.32	kW	$T_j = +25\text{ °C}$	EER_d	10.76	%
$T_j = +20\text{ °C}$	P_{dc}	12.41	kW	$T_j = +20\text{ °C}$	EER_d	8.80	%
Degradation efficient conditioners**	co-air C_d	0.25	-				
Power consumption in modes other than 'active mode'				Crankcase heater mode			
Off mode	P_{OFF}	0.000	kW	Standby mode	P_{SB}	0.036	kW
Thermostat-off mode	P_{TO}	0.078	kW			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			
$T_j = -7\text{ °C}$	P_{dh}	44.23	kW	$T_j = -7\text{ °C}$	COP_d	3.92	%
$T_j = +2\text{ °C}$	P_{dh}	26.92	kW	$T_j = +2\text{ °C}$	COP_d	4.69	%
$T_j = +7\text{ °C}$	P_{dh}	17.31	kW	$T_j = +7\text{ °C}$	COP_d	4.80	%
$T_j = +12\text{ °C}$	P_{dh}	7.69	kW	$T_j = +12\text{ °C}$	COP_d	3.22	%
$T_j =$ bivalent temperature	P_{dh}	50.00	kW	$T_j =$ bivalent temperature	COP_d	3.77	%
$T_j =$ operation limit	P_{dh}	50.00	kW	$T_j =$ operation limit	COP_d	3.77	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	P_{dh}	-	kW	For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	COP_d	-	%
Bivalent temperature	T_{biv}	-10	°C	For water-to-air heat pumps: Operation limit T_{ol} temperature		-10	°C
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				For air-to-air heat pumps: Nominal air flow rate, outdoor measured			
Capacity control		variable				-	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	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	45.00	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	289.6	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio for part load at given outdoor temperatures T_j			
$T_j = +35\text{ °C}$	P_{dc}	45.00	kW	$T_j = +35\text{ °C}$	EER_d	4.37	%
$T_j = +30\text{ °C}$	P_{dc}	33.16	kW	$T_j = +30\text{ °C}$	EER_d	6.20	%
$T_j = +25\text{ °C}$	P_{dc}	21.32	kW	$T_j = +25\text{ °C}$	EER_d	10.76	%
$T_j = +20\text{ °C}$	P_{dc}	12.41	kW	$T_j = +20\text{ °C}$	EER_d	8.80	%
Degradation efficient conditioners**	co-air C_d	0.25	-				
Power consumption in modes other than 'active mode'				Crankcase heater mode P_{CK} 0.036 kW			
Off mode	P_{OFF}	0.000	kW	Standby mode	P_{SB}	0.091	kW
Thermostat-off mode	P_{TO}	0.099	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.							

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PRODUCT INFORMATION⁽¹⁾

Information to identify the model(s) to which the information relates :							
Outdoor: PQRV-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			
$T_j = -7\text{ °C}$	P_{dh}	44.23	kW	$T_j = -7\text{ °C}$	COP_d	3.92	%
$T_j = +2\text{ °C}$	P_{dh}	26.92	kW	$T_j = +2\text{ °C}$	COP_d	4.69	%
$T_j = +7\text{ °C}$	P_{dh}	17.31	kW	$T_j = +7\text{ °C}$	COP_d	4.80	%
$T_j = +12\text{ °C}$	P_{dh}	7.69	kW	$T_j = +12\text{ °C}$	COP_d	3.22	%
$T_j =$ bivalent temperature	P_{dh}	50.00	kW	$T_j =$ bivalent temperature	COP_d	3.77	%
$T_j =$ operation limit	P_{dh}	50.00	kW	$T_j =$ operation limit	COP_d	3.77	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	P_{dh}	-	kW	For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	COP_d	-	%
Bivalent temperature	T_{biv}	-10	°C	For water-to-air heat pumps: Operation limit T_{ol} temperature		-10	°C
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}	0.099	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0.036	kW	Standby mode	P_{SB}	0.091	kW
Other items				For air-to-air heat pumps: Nominal air flow rate, outdoor measured			
Capacity control		variable			-	-	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.							

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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 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio for part load at given outdoor temperatures T_j			
$T_j = +35\text{ °C}$	P_{dc}	50.00	kW	$T_j = +35\text{ °C}$	EER_d	4.31	%
$T_j = +30\text{ °C}$	P_{dc}	36.84	kW	$T_j = +30\text{ °C}$	EER_d	6.99	%
$T_j = +25\text{ °C}$	P_{dc}	23.68	kW	$T_j = +25\text{ °C}$	EER_d	7.55	%
$T_j = +20\text{ °C}$	P_{dc}	12.53	kW	$T_j = +20\text{ °C}$	EER_d	8.13	%
Degradation efficient conditioners**	co-air C_d	0.25	-				
Power consumption in modes other than 'active mode'				Crankcase heater mode			
Off mode	P_{OFF}	0.000	kW	Standby mode	P_{SB}	0.036	kW
Thermostat-off mode	P_{TO}	0.081	kW			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.							

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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	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			
$T_j = -7\text{ °C}$	P_{dh}	49.54	kW	$T_j = -7\text{ °C}$	COP_d	3.99	%
$T_j = +2\text{ °C}$	P_{dh}	30.15	kW	$T_j = +2\text{ °C}$	COP_d	4.57	%
$T_j = +7\text{ °C}$	P_{dh}	19.38	kW	$T_j = +7\text{ °C}$	COP_d	4.69	%
$T_j = +12\text{ °C}$	P_{dh}	8.62	kW	$T_j = +12\text{ °C}$	COP_d	3.01	%
$T_j = \text{bivalent temperature}$	P_{dh}	56.00	kW	$T_j = \text{bivalent temperature}$	COP_d	3.76	%
$T_j = \text{operation limit}$	P_{dh}	56.00	kW	$T_j = \text{operation limit}$	COP_d	3.76	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	P_{dh}	-	kW	For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	COP_d	-	%
Bivalent temperature	T_{biv}	-10	°C	For water-to-air heat pumps: Operation limit T_{ol} temperature		-10	°C
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 *	e_{lbu}	0.000	kW
Thermostat-off mode	P_{TO}	0.081	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0.036	kW	Standby mode	P_{SB}	0.070	kW
Other items				For air-to-air heat pumps: Nominal air flow rate, outdoor measured			
Capacity control		variable				-	m³/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	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-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 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio for part load at given outdoor temperatures T_j			
$T_j = +35\text{ °C}$	P_{dc}	50.00	kW	$T_j = +35\text{ °C}$	EER_d	4.31	%
$T_j = +30\text{ °C}$	P_{dc}	36.84	kW	$T_j = +30\text{ °C}$	EER_d	6.99	%
$T_j = +25\text{ °C}$	P_{dc}	23.68	kW	$T_j = +25\text{ °C}$	EER_d	7.55	%
$T_j = +20\text{ °C}$	P_{dc}	12.53	kW	$T_j = +20\text{ °C}$	EER_d	8.13	%
Degradation efficient conditioners**	co-air C_d	0.25	-				
Power consumption in modes other than 'active mode'				Crankcase heater mode			
Off mode	P_{OFF}	0.000	kW	Standby mode	P_{SB}	0.036	kW
Thermostat-off mode	P_{TO}	0.102	kW			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.							

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PRODUCT INFORMATION⁽¹⁾

Information to identify the model(s) to which the information relates :							
Outdoor: PQRV-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			
$T_j = -7\text{ °C}$	P_{dh}	49.54	kW	$T_j = -7\text{ °C}$	COP_d	3.99	%
$T_j = +2\text{ °C}$	P_{dh}	30.15	kW	$T_j = +2\text{ °C}$	COP_d	4.57	%
$T_j = +7\text{ °C}$	P_{dh}	19.38	kW	$T_j = +7\text{ °C}$	COP_d	4.69	%
$T_j = +12\text{ °C}$	P_{dh}	8.62	kW	$T_j = +12\text{ °C}$	COP_d	3.01	%
$T_j =$ bivalent temperature	P_{dh}	56.00	kW	$T_j =$ bivalent temperature	COP_d	3.76	%
$T_j =$ operation limit	P_{dh}	56.00	kW	$T_j =$ operation limit	COP_d	3.76	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	P_{dh}	-	kW	For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	COP_d	-	%
Bivalent temperature	T_{biv}	-10	°C	For water-to-air heat pumps: Operation limit T_{ol} temperature		-10	°C
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				For air-to-air heat pumps: Nominal air flow rate, outdoor measured			
Capacity control		variable				-	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.							

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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 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio for part load at given outdoor temperatures T_j			
$T_j = +35\text{ °C}$	P_{dc}	56.00	kW	$T_j = +35\text{ °C}$	EER_d	4.64	%
$T_j = +30\text{ °C}$	P_{dc}	41.26	kW	$T_j = +30\text{ °C}$	EER_d	7.02	%
$T_j = +25\text{ °C}$	P_{dc}	26.53	kW	$T_j = +25\text{ °C}$	EER_d	6.54	%
$T_j = +20\text{ °C}$	P_{dc}	12.91	kW	$T_j = +20\text{ °C}$	EER_d	7.55	%
Degradation efficient conditioners**	co-air C_d	0.25	-				
Power consumption in modes other than 'active mode'				Crankcase heater mode			
Off mode	P_{OFF}	0.000	kW	Standby mode	P_{SB}	0.036	kW
Thermostat-off mode	P_{TO}	0.081	kW			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			
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		2088	kg CO _{2eq} (100years)			11	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: 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	Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	63.00	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	158.8	%
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			
$T_j = -7\text{ °C}$	P_{dh}	55.73	kW	$T_j = -7\text{ °C}$	COP_d	3.78	%
$T_j = +2\text{ °C}$	P_{dh}	33.92	kW	$T_j = +2\text{ °C}$	COP_d	4.40	%
$T_j = +7\text{ °C}$	P_{dh}	21.81	kW	$T_j = +7\text{ °C}$	COP_d	4.54	%
$T_j = +12\text{ °C}$	P_{dh}	9.69	kW	$T_j = +12\text{ °C}$	COP_d	3.12	%
$T_j =$ bivalent temperature	P_{dh}	63.00	kW	$T_j =$ bivalent temperature	COP_d	3.60	%
$T_j =$ operation limit	P_{dh}	63.00	kW	$T_j =$ operation limit	COP_d	3.60	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	P_{dh}	-	kW	For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	COP_d	-	%
Bivalent temperature	T_{biv}	-10	°C	For water-to-air heat pumps: Operation limit temperature	T_{ol}	-10	°C
Degradation coefficient 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}	0.081	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}	72.0	dB	For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	15	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.							

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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 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio for part load at given outdoor temperatures T_j			
$T_j = +35\text{ °C}$	P_{dc}	56.00	kW	$T_j = +35\text{ °C}$	EER_d	4.64	%
$T_j = +30\text{ °C}$	P_{dc}	41.26	kW	$T_j = +30\text{ °C}$	EER_d	7.02	%
$T_j = +25\text{ °C}$	P_{dc}	26.53	kW	$T_j = +25\text{ °C}$	EER_d	6.54	%
$T_j = +20\text{ °C}$	P_{dc}	12.91	kW	$T_j = +20\text{ °C}$	EER_d	7.55	%
Degradation efficient conditioners**	co-air C_d	0.25	-				
Power consumption in modes other than 'active mode'				Crankcase heater mode P_{CK} 0.036 kW			
Off mode	P_{OFF}	0.000	kW	Standby mode	P_{SB}	0.091	kW
Thermostat-off mode	P_{TO}	0.102	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			
if engine driven:			mg/kWh				
Emissions of nitrogen oxides	NO_x	-	fuel input GCV	-	11		m ³ /h
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: PQR Y-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	Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	63.00	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	158.8	%
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			
$T_j = - 7\text{ °C}$	P_{dh}	55.73	kW	$T_j = - 7\text{ °C}$	COP_d	3.78	%
$T_j = + 2\text{ °C}$	P_{dh}	33.92	kW	$T_j = + 2\text{ °C}$	COP_d	4.40	%
$T_j = + 7\text{ °C}$	P_{dh}	21.81	kW	$T_j = + 7\text{ °C}$	COP_d	4.54	%
$T_j = + 12\text{ °C}$	P_{dh}	9.69	kW	$T_j = + 12\text{ °C}$	COP_d	3.12	%
$T_j =$ bivalent temperature	P_{dh}	63.00	kW	$T_j =$ bivalent temperature	COP_d	3.60	%
$T_j =$ operation limit	P_{dh}	63.00	kW	$T_j =$ operation limit	COP_d	3.60	%
For air-to-water heat pumps: $T_j = - 15\text{ °C}$ (if $T_{OL} < - 20\text{ °C}$)	P_{dh}	-	kW	For water-to-air heat pumps: $T_j = - 15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	COP_d	-	%
Bivalent temperature	T_{biv}	-10	°C	For water-to-air heat pumps: Operation limit temperature	T_{ol}	-10	°C
Degradation coefficient pumps**	co-heat 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}	72.0	dB	For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	15	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.							

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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 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio for part load at given outdoor temperatures T_j			
$T_j = +35\text{ °C}$	P_{dc}	63.00	kW	$T_j = +35\text{ °C}$	EER_d	4.62	%
$T_j = +30\text{ °C}$	P_{dc}	46.42	kW	$T_j = +30\text{ °C}$	EER_d	6.03	%
$T_j = +25\text{ °C}$	P_{dc}	29.84	kW	$T_j = +25\text{ °C}$	EER_d	10.13	%
$T_j = +20\text{ °C}$	P_{dc}	13.26	kW	$T_j = +20\text{ °C}$	EER_d	6.26	%
Degradation efficient conditioners**	co-air C_d	0.25	-				
Power consumption in modes other than 'active mode'				Crankcase heater mode P_{CK} 0.045 kW			
Off mode	P_{OFF}	0.000	kW	Standby mode	P_{SB}	0.061	kW
Thermostat-off mode	P_{TO}	0.072	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			
if engine driven:			mg/kWh				
Emissions of nitrogen oxides	NO_x	-	fuel input GCV	-	12	12	m ³ /h
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			
$T_j = - 7\text{ °C}$	P_{dh}	61.04	kW	$T_j = - 7\text{ °C}$	COP_d	3.65	%
$T_j = + 2\text{ °C}$	P_{dh}	37.15	kW	$T_j = + 2\text{ °C}$	COP_d	4.22	%
$T_j = + 7\text{ °C}$	P_{dh}	23.88	kW	$T_j = + 7\text{ °C}$	COP_d	4.06	%
$T_j = + 12\text{ °C}$	P_{dh}	10.72	kW	$T_j = + 12\text{ °C}$	COP_d	2.86	%
$T_j =$ bivalent temperature	P_{dh}	69.00	kW	$T_j =$ bivalent temperature	COP_d	3.34	%
$T_j =$ operation limit	P_{dh}	69.00	kW	$T_j =$ operation limit	COP_d	3.34	%
For air-to-water heat pumps: $T_j = - 15\text{ °C}$ (if $T_{OL} < - 20\text{ °C}$)	P_{dh}	-	kW	For water-to-air heat pumps: $T_j = - 15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	COP_d	-	%
Bivalent temperature	T_{biv}	-10	°C	For water-to-air heat pumps: Operation limit temperature	T_{ol}	-10	°C
Degradation coefficient pumps**	co-heat 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}	72.0	dB	For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	17	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.							

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PRODUCT INFORMATION⁽¹⁾

Model(s): Information to identify the model(s) to which the information relates : Outdoor: PQR Y-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 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio for part load at given outdoor temperatures T_j			
$T_j = +35\text{ °C}$	P_{dc}	63.00	kW	$T_j = +35\text{ °C}$	EER_d	4.62	%
$T_j = +30\text{ °C}$	P_{dc}	46.42	kW	$T_j = +30\text{ °C}$	EER_d	6.03	%
$T_j = +25\text{ °C}$	P_{dc}	29.84	kW	$T_j = +25\text{ °C}$	EER_d	10.13	%
$T_j = +20\text{ °C}$	P_{dc}	13.26	kW	$T_j = +20\text{ °C}$	EER_d	6.26	%
Degradation efficient conditioners**	co-air C_d	0.25	-				
Power consumption in modes other than 'active mode'				Crankcase heater mode			
Off mode	P_{OFF}	0.000	kW	Standby mode	P_{SB}	0.045	kW
Thermostat-off mode	P_{TO}	0.093	kW			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			
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		2088	kg CO _{2eq} (100years)			12	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.							

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PRODUCT INFORMATION⁽¹⁾

Information to identify the model(s) to which the information relates : Outdoor: PQR Y-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			
$T_j = - 7\text{ °C}$	P_{dh}	61.04	kW	$T_j = - 7\text{ °C}$	COP_d	3.65	%
$T_j = + 2\text{ °C}$	P_{dh}	37.15	kW	$T_j = + 2\text{ °C}$	COP_d	4.22	%
$T_j = + 7\text{ °C}$	P_{dh}	23.88	kW	$T_j = + 7\text{ °C}$	COP_d	4.06	%
$T_j = + 12\text{ °C}$	P_{dh}	10.72	kW	$T_j = + 12\text{ °C}$	COP_d	2.86	%
$T_j =$ bivalent temperature	P_{dh}	69.00	kW	$T_j =$ bivalent temperature	COP_d	3.34	%
$T_j =$ operation limit	P_{dh}	69.00	kW	$T_j =$ operation limit	COP_d	3.34	%
For air-to-water heat pumps: $T_j = - 15\text{ °C}$ (if $T_{OL} < - 20\text{ °C}$)	P_{dh}	-	kW	For water-to-air heat pumps: $T_j = - 15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	COP_d	-	%
Bivalent temperature	T_{biv}	-10	°C	For water-to-air heat pumps: Operation limit temperature	T_{ol}	-10	°C
Degradation coefficient pumps**	co-heat 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}	0.093	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0.045	kW	Standby mode	P_{SB}	0.082	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}	72.0	dB	For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	17	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.							

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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 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio for part load at given outdoor temperatures T_j			
$T_j = +35\text{ °C}$	P_{dc}	69.00	kW	$T_j = +35\text{ °C}$	EER_d	4.15	%
$T_j = +30\text{ °C}$	P_{dc}	50.84	kW	$T_j = +30\text{ °C}$	EER_d	5.44	%
$T_j = +25\text{ °C}$	P_{dc}	32.68	kW	$T_j = +25\text{ °C}$	EER_d	10.74	%
$T_j = +20\text{ °C}$	P_{dc}	14.53	kW	$T_j = +20\text{ °C}$	EER_d	6.55	%
Degradation efficient conditioners**	co-air C_d	0.25	-				
Power consumption in modes other than 'active mode'				Crankcase heater mode			
Off mode	P_{OFF}	0.000	kW	Standby mode	P_{SB}	0.045	kW
Thermostat-off mode	P_{TO}	0.072	kW			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.							

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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			
$T_j = -7\text{ °C}$	P_{dh}	67.67	kW	$T_j = -7\text{ °C}$	COP_d	3.90	%
$T_j = +2\text{ °C}$	P_{dh}	41.19	kW	$T_j = +2\text{ °C}$	COP_d	4.41	%
$T_j = +7\text{ °C}$	P_{dh}	26.48	kW	$T_j = +7\text{ °C}$	COP_d	2.84	%
$T_j = +12\text{ °C}$	P_{dh}	11.77	kW	$T_j = +12\text{ °C}$	COP_d	2.93	%
$T_j =$ bivalent temperature	P_{dh}	76.50	kW	$T_j =$ bivalent temperature	COP_d	3.57	%
$T_j =$ operation limit	P_{dh}	76.50	kW	$T_j =$ operation limit	COP_d	3.57	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	P_{dh}	-	kW	For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	COP_d	-	%
Bivalent temperature	T_{biv}	-10	°C	For water-to-air heat pumps: Operation limit T_{ol} temperature		-10	°C
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 *	e_{lbu}	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				For air-to-air heat pumps: Nominal air flow rate, outdoor measured			
Capacity control		variable				-	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: PQR Y-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 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio for part load at given outdoor temperatures T_j			
$T_j = +35\text{ °C}$	P_{dc}	69.00	kW	$T_j = +35\text{ °C}$	EER_d	4.15	%
$T_j = +30\text{ °C}$	P_{dc}	50.84	kW	$T_j = +30\text{ °C}$	EER_d	5.44	%
$T_j = +25\text{ °C}$	P_{dc}	32.68	kW	$T_j = +25\text{ °C}$	EER_d	10.74	%
$T_j = +20\text{ °C}$	P_{dc}	14.53	kW	$T_j = +20\text{ °C}$	EER_d	6.55	%
Degradation efficient conditioners**	co-air C_d	0.25	-				
Power consumption in modes other than 'active mode'				Crankcase heater mode			
Off mode	P_{OFF}	0.000	kW	Standby mode	P_{SB}	0.082	kW
Thermostat-off mode	P_{TO}	0.093	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.							

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PRODUCT INFORMATION⁽¹⁾

Information to identify the model(s) to which the information relates :							
Outdoor: PQRV-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			
$T_j = -7\text{ °C}$	P_{dh}	67.67	kW	$T_j = -7\text{ °C}$	COP_d	3.90	%
$T_j = +2\text{ °C}$	P_{dh}	41.19	kW	$T_j = +2\text{ °C}$	COP_d	4.41	%
$T_j = +7\text{ °C}$	P_{dh}	26.48	kW	$T_j = +7\text{ °C}$	COP_d	2.84	%
$T_j = +12\text{ °C}$	P_{dh}	11.77	kW	$T_j = +12\text{ °C}$	COP_d	2.93	%
$T_j = \text{bivalent temperature}$	P_{dh}	76.50	kW	$T_j = \text{bivalent temperature}$	COP_d	3.57	%
$T_j = \text{operation limit}$	P_{dh}	76.50	kW	$T_j = \text{operation limit}$	COP_d	3.57	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	P_{dh}	-	kW	For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	COP_d	-	%
Bivalent temperature	T_{biv}	-10	°C	For water-to-air heat pumps: Operation limit T_{ol} temperature		-10	°C
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 *	e_{lbu}	0.000	kW
Thermostat-off mode	P_{TO}	0.093	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0.045	kW	Standby mode	P_{SB}	0.082	kW
Other items				For air-to-air heat pumps: Nominal air flow rate, outdoor measured			
Capacity control		variable				-	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.							

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