

PRODUCT INFORMATION
PURY-EP * * * YLM-A1(-BS)
For Europe Regulation

PRODUCT INFORMATION⁽¹⁾

Model(s): Information to identify the model(s) to which the information relates :							
Outdoor : PURY-EP200YLM-A1(-BS)		Indoor : PEFY-P50VMHS2-E × 4units					
Outdoor heat exchanger of air conditioner: air							
Indoor heat exchanger of air conditioner: air							
Type: compressor driven vapour compression							
if applicable: driver of compressor: electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	22.40	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	288.2	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor 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	4.08	%
$T_j = +30\text{ °C}$	P_{dc}	16.51	kW	$T_j = +30\text{ °C}$	EER_d	6.79	%
$T_j = +25\text{ °C}$	P_{dc}	10.61	kW	$T_j = +25\text{ °C}$	EER_d	10.44	%
$T_j = +20\text{ °C}$	P_{dc}	7.40	kW	$T_j = +20\text{ °C}$	EER_d	11.53	%
Degradation coefficient air 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}	0.044	kW
Thermostat-off mode	P_{TO}	0.089	kW			0.084	kW
Other items				For air-to-air air conditioner: Nominal air flow rate, outdoor measured			
Capacity control	variable					11100	m ³ /h
Sound power level, outdoor if engine driven:	L_{WA}	82.5	dB				
Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		2088	kg CO ₂ eq (100 years)				
Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66,Tebira 6 Chome,Wakayama-City 640-8686,Japan						
** If C_d is not determined by measurement then the default degradation coefficient air conditioners shall be 0.25. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.							

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

PRODUCT INFORMATION⁽¹⁾

Information to identify the model(s) to which the information relates :							
Outdoor : PURY-EP200YLM-A1(-BS)				Indoor : PEFY-P50VMHS2-E × 4units			
Outdoor heat exchanger of heat pump: air							
Indoor heat exchanger of heat pump: air							
Indication if the heater is equipped with a supplementary heater: no							
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	25.00	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	155.4	%
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j				Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j = -7\text{ °C}$	P_{dh}	22.00	kW	$T_j = -7\text{ °C}$	COP_d	2.51	%
$T_j = +2\text{ °C}$	P_{dh}	13.46	kW	$T_j = +2\text{ °C}$	COP_d	3.72	%
$T_j = +7\text{ °C}$	P_{dh}	8.65	kW	$T_j = +7\text{ °C}$	COP_d	6.31	%
$T_j = +12\text{ °C}$	P_{dh}	5.40	kW	$T_j = +12\text{ °C}$	COP_d	6.41	%
$T_j = \text{bivalent temperature}$	P_{dh}	21.15	kW	$T_j = \text{bivalent temperature}$	COP_d	2.32	%
$T_j = \text{operation limit}$	P_{dh}	14.90	kW	$T_j = \text{operation limit}$	COP_d	1.46	%
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}	-6.0	°C	For water-to-air heat pumps: Operation limit temperature	T_{ol}	-	°C
Degradation efficient heat pumps**	C_{dh}^{co-}	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}	0.089	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0.044	kW	Standby mode	P_{SB}	0.084	kW
Other items				For air-to-air heat pumps: Nominal air flow rate, outdoor measured			
Capacity control	variable					11100	m ³ /h
Sound power level, indoor / outdoor measured	L_{WA}	82.5	dB	For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger		-	m ³ /h
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh				
GWP of the refrigerant		2088	kg CO ₂ eq (100 years)				
Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66,Tebira 6 Chome,Wakayama-City 640-8686,Japan						
** If C_d is not determined by measurement then the default degradation coefficient of heat pumps shall be 0,25. Where information relates to multi-split heat pumps, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.							

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PRODUCT INFORMATION⁽¹⁾

Model(s): Information to identify the model(s) to which the information relates :				
Outdoor : PURY-EP250YLM-A1(-BS) Indoor : PEFY-P63VMHS2-E × 4units				
Outdoor heat exchanger of air conditioner: air				
Indoor heat exchanger of air conditioner: air				
Type: compressor driven vapour compression				
if applicable: driver of compressor: electric motor				
Item	Symbol	Value	Unit	
Rated cooling capacity	$P_{rated,c}$	28.00	kW	
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19°C (dry/wet bulb)				
$T_j = +35\text{ °C}$	P_{dc}	28.00	kW	
$T_j = +30\text{ °C}$	P_{dc}	20.63	kW	
$T_j = +25\text{ °C}$	P_{dc}	13.26	kW	
$T_j = +20\text{ °C}$	P_{dc}	10.00	kW	
Degradation coefficient air conditioners**	co-air C_d	0.25	-	
Power consumption in modes other than 'active mode'				
Off mode	P_{OFF}	0.000	kW	
Thermostat-off mode	P_{TO}	0.089	kW	
Other items				
Capacity control	variable			
Sound power level, outdoor	L_{WA}	83.5	dB	
if engine driven:			mg/kWh	
Emissions of nitrogen oxides	NO_x	-	fuel input GCV	
GWP of the refrigerant		2088	kg CO_2 eq (100 years)	
Seasonal space cooling energy efficiency	$\eta_{s,c}$	300.6	%	
Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j				
$T_j = +35\text{ °C}$	EER_d	3.86	%	
$T_j = +30\text{ °C}$	EER_d	6.98	%	
$T_j = +25\text{ °C}$	EER_d	10.73	%	
$T_j = +20\text{ °C}$	EER_d	11.85	%	
Crankcase heater mode	P_{CK}	0.044	kW	
Standby mode	P_{SB}	0.084	kW	
For air-to-air air conditioner: Nominal air flow rate, outdoor measured	-	11100	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 : PURY-EP250YLM-A1(-BS)				Indoor : PEFY-P63VMHS2-E × 4units			
Outdoor heat exchanger of air conditioner: air							
Indoor heat exchanger of air conditioner: air							
Indication if the heater is equipped with a supplementary heater: no							
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	31.50	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	153.4	%
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j				Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j = -7\text{ °C}$	P_{dh}	22.20	kW	$T_j = -7\text{ °C}$	COP_d	2.44	%
$T_j = +2\text{ °C}$	P_{dh}	13.46	kW	$T_j = +2\text{ °C}$	COP_d	3.62	%
$T_j = +7\text{ °C}$	P_{dh}	8.65	kW	$T_j = +7\text{ °C}$	COP_d	6.14	%
$T_j = +12\text{ °C}$	P_{dh}	5.40	kW	$T_j = +12\text{ °C}$	COP_d	6.55	%
$T_j =$ bivalent temperature	P_{dh}	25.25	kW	$T_j =$ bivalent temperature	COP_d	2.72	%
$T_j =$ operation limit	P_{dh}	14.90	kW	$T_j =$ operation limit	COP_d	1.71	%
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}	-4.8	°C	For water-to-air heat pumps: Operation limit temperature	T_{ol}	-	°C
Degradation efficient heat pumps**	C_{dh}^{co-}	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}	0.089	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0.044	kW	Standby mode	P_{SB}	0.084	kW
Other items				For air-to-air heat pumps: Nominal air flow rate, outdoor measured			
Capacity control	variable					11100	m ³ /h
Sound power level, indoor / outdoor measured	L_{WA}	83.5	dB	For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger		-	m ³ /h
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh				
GWP of the refrigerant		2088	kg CO ₂ eq (100 years)				
Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66,Tebira 6 Chome,Wakayama-City 640-8686,Japan						
** If C_d is not determined by measurement then the default degradation coefficient of heat pumps shall be 0,25. Where information relates to multi-split heat pumps, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.							

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PRODUCT INFORMATION⁽¹⁾

Model(s): Information to identify the model(s) to which the information relates :							
Outdoor : PURY-EP300YLM-A1(-BS)		Indoor : PEFY-P50VMHS2-E × 6units					
Outdoor heat exchanger of air conditioner: air							
Indoor heat exchanger of air conditioner: air							
Type: compressor driven vapour compression							
if applicable: driver of compressor: electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	33.50	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	274.6	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor 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	3.64	%
$T_j = +30\text{ °C}$	P_{dc}	24.70	kW	$T_j = +30\text{ °C}$	EER_d	5.26	%
$T_j = +25\text{ °C}$	P_{dc}	15.88	kW	$T_j = +25\text{ °C}$	EER_d	8.94	%
$T_j = +20\text{ °C}$	P_{dc}	11.97	kW	$T_j = +20\text{ °C}$	EER_d	14.38	%
Degradation coefficient air 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}	0.043	kW
Thermostat-off mode	P_{TO}	0.090	kW			0.084	kW
Other items				For air-to-air air conditioner: Nominal air flow rate, outdoor measured			
Capacity control	variable					13800	m ³ /h
Sound power level, outdoor if engine driven:	L_{WA}	86.0	dB				
Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		2088	kg CO ₂ eq (100 years)				
Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66,Tebira 6 Chome,Wakayama-City 640-8686,Japan						
** If C_d is not determined by measurement then the default degradation coefficient air conditioners shall be 0.25. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.							

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PRODUCT INFORMATION⁽¹⁾

Information to identify the model(s) to which the information relates :							
Outdoor : PURY-EP300YLM-A1(-BS)				Indoor : PEFY-P50VMHS2-E × 6units			
Outdoor heat exchanger of air conditioner: air							
Indoor heat exchanger of air conditioner: air							
Indication if the heater is equipped with a supplementary heater: no							
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	37.50	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	151.0	%
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j				Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j = -7\text{ °C}$	P_{dh}	27.52	kW	$T_j = -7\text{ °C}$	COP_d	1.98	%
$T_j = +2\text{ °C}$	P_{dh}	20.24	kW	$T_j = +2\text{ °C}$	COP_d	3.53	%
$T_j = +7\text{ °C}$	P_{dh}	13.02	kW	$T_j = +7\text{ °C}$	COP_d	5.47	%
$T_j = +12\text{ °C}$	P_{dh}	7.29	kW	$T_j = +12\text{ °C}$	COP_d	7.69	%
$T_j = \text{bivalent temperature}$	P_{dh}	31.45	kW	$T_j = \text{bivalent temperature}$	COP_d	2.85	%
$T_j = \text{operation limit}$	P_{dh}	11.93	kW	$T_j = \text{operation limit}$	COP_d	1.94	%
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}	-5.8	°C	For water-to-air heat pumps: Operation limit temperature	T_{ol}	-	°C
Degradation efficient heat pumps**	C_{dh}^{co-}	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}	0.090	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0.043	kW	Standby mode	P_{SB}	0.084	kW
Other items				For air-to-air heat pumps: Nominal air flow rate, outdoor measured			
Capacity control	variable					13800	m ³ /h
Sound power level, indoor / outdoor measured	L_{WA}	86.0	dB	For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger		-	m ³ /h
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh				
GWP of the refrigerant		2088	kg CO ₂ eq (100 years)				
Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66,Tebira 6 Chome,Wakayama-City 640-8686,Japan						
** If C_d is not determined by measurement then the default degradation coefficient 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 : PURY-EP350YLM-A1(-BS) Indoor : PEFY-P63VMHS2-E × 4units , PEFY-P50VMHS2-E × 2units				
Outdoor heat exchanger of air conditioner: air				
Indoor heat exchanger of air conditioner: air				
Type: compressor driven vapour compression				
if applicable: driver of compressor: electric motor				
Item	Symbol	Value	Unit	
Rated cooling capacity	$P_{rated,c}$	40.00	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)				
$T_j = +35\text{ °C}$	P_{dc}	40.00	kW	Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j
$T_j = +30\text{ °C}$	P_{dc}	29.48	kW	$T_j = +35\text{ °C}$ EER_d
$T_j = +25\text{ °C}$	P_{dc}	18.97	kW	$T_j = +30\text{ °C}$ EER_d
$T_j = +20\text{ °C}$	P_{dc}	13.82	kW	$T_j = +25\text{ °C}$ EER_d
				$T_j = +20\text{ °C}$ EER_d
Degradation efficient conditioners**	co-air C_d	0.25	-	
Power consumption in modes other than 'active mode'				
Off mode	P_{OFF}	0.000	kW	Crankcase heater mode P_{CK}
Thermostat-off mode	P_{TO}	0.081	kW	Standby mode P_{SB}
				0.051 kW
				0.076 kW
Other items				
Capacity control	variable			For air-to-air air conditioner: Nominal air flow rate, outdoor measured
Sound power level, outdoor	L_{WA}	86.0	dB	13800 m ³ /h
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV	
GWP of the refrigerant		2088	kg CO ₂ eq (100 years)	
Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66,Tebira 6 Chome,Wakayama-City 640-8686,Japan			
** If C_d is not determined by measurement then the default degradation coefficient air conditioners shall be 0.25. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.				

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Information to identify the model(s) to which the information relates :							
Outdoor : PURY-EP350YLM-A1(-BS) Indoor : PEFY-P63VMHS2-E × 4units , PEFY-P50VMHS2-E × 2units							
Outdoor heat exchanger of air conditioner: air							
Indoor heat exchanger of air conditioner: air							
Indication if the heater is equipped with a supplementary heater: no							
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	45.00	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	139.8	%
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j				Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j = - 7\text{ °C}$	P_{dh}	32.24	kW	$T_j = - 7\text{ °C}$	COP_d	2.05	%
$T_j = + 2\text{ °C}$	P_{dh}	24.24	kW	$T_j = + 2\text{ °C}$	COP_d	2.90	%
$T_j = + 7\text{ °C}$	P_{dh}	15.59	kW	$T_j = + 7\text{ °C}$	COP_d	5.41	%
$T_j = + 12\text{ °C}$	P_{dh}	8.34	kW	$T_j = + 12\text{ °C}$	COP_d	8.18	%
$T_j =$ bivalent temperature	P_{dh}	35.96	kW	$T_j =$ bivalent temperature	COP_d	3.12	%
$T_j =$ operation limit	P_{dh}	23.10	kW	$T_j =$ operation limit	COP_d	2.24	%
For air-to-water heat pumps: $T_j = - 15\text{ °C}$ (if $T_{OL} < - 20\text{ °C}$)		-	kW	For water-to-air heat pumps: $T_j = - 15\text{ °C}$ (if $T_{OL} < - 20\text{ °C}$)	COP_d	-	%
Bivalent temperature	T_{biv}	-4.8	°C	For water-to-air heat pumps: Operation limit temperature	T_{ol}	-	°C
Degradation efficient heat pumps**	C_{dh}^{co-}	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}	0.051	kW	Standby mode	P_{SB}	0.076	kW
Other items				For air-to-air heat pumps: Nominal air flow rate, outdoor measured			
Capacity control	variable					13800	m ³ /h
Sound power level, indoor / outdoor measured	L_{WA}	86.0	dB	For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger		-	m ³ /h
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh				
GWP of the refrigerant		2088	kg CO ₂ eq (100 years)				
Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66,Tebira 6 Chome,Wakayama-City 640-8686,Japan						
** If C_d is not determined by measurement then the default degradation coefficient 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 : PURY-EP400YLM-A1(-BS) Indoor : PEFY-P71VMHS2-E × 5units , PEFY-P50VMHS2-E × 1unit				
Outdoor heat exchanger of air conditioner: air				
Indoor heat exchanger of air conditioner: air				
Type: compressor driven vapour compression				
if applicable: driver of compressor: electric motor				
Item	Symbol	Value	Unit	
Rated cooling capacity	$P_{rated,c}$	45.00	kW	Seasonal space cooling energy efficiency $\eta_{s,c}$
				267.8 %
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19°C (dry/wet bulb)				
$T_j = +35\text{ °C}$	P_{dc}	45.00	kW	Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j
$T_j = +30\text{ °C}$	P_{dc}	33.18	kW	$T_j = +35\text{ °C}$ EER_d
$T_j = +25\text{ °C}$	P_{dc}	21.33	kW	$T_j = +30\text{ °C}$ EER_d
$T_j = +20\text{ °C}$	P_{dc}	15.47	kW	$T_j = +25\text{ °C}$ EER_d
				$T_j = +20\text{ °C}$ EER_d
Degradation coefficient air conditioners**	co-air C_d	0.25	-	
Power consumption in modes other than 'active mode'				
Off mode	P_{OFF}	0.000	kW	Crankcase heater mode P_{CK}
Thermostat-off mode	P_{TO}	0.078	kW	Standby mode P_{SB}
				0.054 kW
				0.073 kW
Other items				
Capacity control	variable			For air-to-air air conditioner: Nominal air flow rate, outdoor measured
Sound power level, outdoor	L_{WA}	86.0	dB	19200 m ³ /h
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV	
GWP of the refrigerant		2088	kg CO ₂ eq (100 years)	
Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66,Tebira 6 Chome,Wakayama-City 640-8686,Japan			
** If C_d is not determined by measurement then the default degradation coefficient air conditioners shall be 0.25. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.				

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

PRODUCT INFORMATION⁽¹⁾

Information to identify the model(s) to which the information relates :							
Outdoor : PURY-EP400YLM-A1(-BS) Indoor : PEFY-P71VMHS2-E × 5units , PEFY-P50VMHS2-E × 1unit							
Outdoor heat exchanger of air conditioner: air							
Indoor heat exchanger of air conditioner: air							
Indication if the heater is equipped with a supplementary heater: no							
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	50.00	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	141.8	%
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j				Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j = -7\text{ °C}$	P_{dh}	37.26	kW	$T_j = -7\text{ °C}$	COP_d	2.44	%
$T_j = +2\text{ °C}$	P_{dh}	26.94	kW	$T_j = +2\text{ °C}$	COP_d	3.12	%
$T_j = +7\text{ °C}$	P_{dh}	17.32	kW	$T_j = +7\text{ °C}$	COP_d	5.15	%
$T_j = +12\text{ °C}$	P_{dh}	8.27	kW	$T_j = +12\text{ °C}$	COP_d	6.04	%
$T_j =$ bivalent temperature	P_{dh}	40.71	kW	$T_j =$ bivalent temperature	COP_d	3.11	%
$T_j =$ operation limit	P_{dh}	24.87	kW	$T_j =$ operation limit	COP_d	2.21	%
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}	-5.2	°C	For water-to-air heat pumps: Operation limit temperature	T_{ol}	-	°C
Degradation efficient heat pumps**	C_{dh}^{co-}	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}	0.078	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0.054	kW	Standby mode	P_{SB}	0.073	kW
Other items				For air-to-air heat pumps: Nominal air flow rate, outdoor measured			
Capacity control	variable					19200	m ³ /h
Sound power level, indoor / outdoor measured	L_{WA}	86.0	dB	For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger		-	m ³ /h
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh				
GWP of the refrigerant		2088	kg CO ₂ eq (100 years)				
Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66,Tebira 6 Chome,Wakayama-City 640-8686,Japan						
** If C_d is not determined by measurement then the default degradation coefficient of heat pumps shall be 0,25. Where information relates to multi-split heat pumps, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.							

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

PRODUCT INFORMATION⁽¹⁾

Model(s): Information to identify the model(s) to which the information relates :							
Outdoor : PURY-EP450YLM-A1(-BS) Indoor : PEFY-P63VMHS2-E × 4units , PEFY-P50VMHS2-E × 4units							
Outdoor heat exchanger of air conditioner: air							
Indoor heat exchanger of air conditioner: air							
Type: compressor driven vapour compression							
if applicable: driver of compressor: electric motor							
Item	Symbol	Value	Unit				
Rated cooling capacity	$P_{rated,c}$	50.00	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	258.6	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor 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	3.37	%
$T_j = +30\text{ °C}$	P_{dc}	36.86	kW	$T_j = +30\text{ °C}$	EER_d	4.91	%
$T_j = +25\text{ °C}$	P_{dc}	23.70	kW	$T_j = +25\text{ °C}$	EER_d	7.66	%
$T_j = +20\text{ °C}$	P_{dc}	15.81	kW	$T_j = +20\text{ °C}$	EER_d	13.68	%
Degradation coefficient air conditioners**	co-air C_d	0.25	-				
Power consumption in modes other than 'active mode'				Crankcase heater mode		P_{CK}	0.054 kW
Off mode	P_{OFF}	0.000	kW	Standby mode	P_{SB}	0.073	kW
Thermostat-off mode	P_{TO}	0.084	kW				
Other items				For air-to-air air conditioner: Nominal air flow rate, outdoor measured		19200	m ³ /h
Capacity control	variable						
Sound power level, outdoor if engine driven:	L_{WA}	86.0	dB				
Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		2088	kg CO ₂ eq (100 years)				
Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66,Tebira 6 Chome,Wakayama-City 640-8686,Japan						
** If C_d is not determined by measurement then the default degradation coefficient air conditioners shall be 0.25. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.							

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PRODUCT INFORMATION⁽¹⁾

Information to identify the model(s) to which the information relates :							
Outdoor : PURY-EP450YLM-A1(-BS) Indoor : PEFY-P63VMHS2-E × 4units , PEFY-P50VMHS2-E × 4units							
Outdoor heat exchanger of air conditioner: air							
Indoor heat exchanger of air conditioner: air							
Indication if the heater is equipped with a supplementary heater: no							
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	56.00	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	140.2	%
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j				Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j = - 7\text{ °C}$	P_{dh}	37.35	kW	$T_j = - 7\text{ °C}$	COP_d	2.67	%
$T_j = + 2\text{ °C}$	P_{dh}	30.16	kW	$T_j = + 2\text{ °C}$	COP_d	3.16	%
$T_j = + 7\text{ °C}$	P_{dh}	19.40	kW	$T_j = + 7\text{ °C}$	COP_d	5.51	%
$T_j = + 12\text{ °C}$	P_{dh}	8.63	kW	$T_j = + 12\text{ °C}$	COP_d	6.57	%
$T_j =$ bivalent temperature	P_{dh}	41.12	kW	$T_j =$ bivalent temperature	COP_d	2.95	%
$T_j =$ operation limit	P_{dh}	24.28	kW	$T_j =$ operation limit	COP_d	2.08	%
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}	-3.1	°C	For water-to-air heat pumps: Operation limit temperature	T_{ol}	-	°C
Degradation efficient heat pumps**	C_{dh}^{co-}	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}	0.084	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0.054	kW	Standby mode	P_{SB}	0.073	kW
Other items				For air-to-air heat pumps: Nominal air flow rate, outdoor measured			
Capacity control	variable					19200	m ³ /h
Sound power level, indoor / outdoor measured	L_{WA}	86.0	dB	For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger		-	m ³ /h
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh				
GWP of the refrigerant		2088	kg CO ₂ eq (100 years)				
Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66,Tebira 6 Chome,Wakayama-City 640-8686,Japan						
** If C_d is not determined by measurement then the default degradation coefficient of heat pumps shall be 0,25. Where information relates to multi-split heat pumps, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.							

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PRODUCT INFORMATION⁽¹⁾

Model(s): Information to identify the model(s) to which the information relates :							
Outdoor : PURY-EP500YLM-A1(-BS)				Indoor : PEFY-P63VMHS2-E × 8units			
Outdoor heat exchanger of air conditioner: air							
Indoor heat exchanger of air conditioner: air							
Type: compressor driven vapour compression							
if applicable: driver of compressor: electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	56.00	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	245.4	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j = +35\text{ °C}$	Pdc	56.00	kW	$T_j = +35\text{ °C}$	EER _d	3.06	%
$T_j = +30\text{ °C}$	Pdc	41.28	kW	$T_j = +30\text{ °C}$	EER _d	4.22	%
$T_j = +25\text{ °C}$	Pdc	26.54	kW	$T_j = +25\text{ °C}$	EER _d	7.45	%
$T_j = +20\text{ °C}$	Pdc	18.30	kW	$T_j = +20\text{ °C}$	EER _d	14.47	%
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}	0.047	kW
Thermostat-off mode	P_{TO}	0.091	kW			0.080	kW
Other items				For air-to-air air conditioner: Nominal air flow rate, outdoor measured			
Capacity control	variable					22800	m ³ /h
Sound power level, outdoor	L_{WA}	87.0	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		2088	kg CO ₂ eq (100 years)				
Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66, Tebira 6 Chome, Wakayama-City 640-8686, Japan						
** If C_d is not determined by measurement then the default degradation coefficient air conditioners shall be 0.25. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.							

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PRODUCT INFORMATION⁽¹⁾

Information to identify the model(s) to which the information relates :							
Outdoor : PURY-EP500YLM-A1(-BS)				Indoor : PEFY-P63VMHS2-E × 8units			
Outdoor heat exchanger of air conditioner: air							
Indoor heat exchanger of air conditioner: air							
Indication if the heater is equipped with a supplementary heater: no							
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	63.00	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	139.0	%
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j				Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j = -7\text{ °C}$	P_{dh}	39.57	kW	$T_j = -7\text{ °C}$	COP_d	2.26	%
$T_j = +2\text{ °C}$	P_{dh}	33.94	kW	$T_j = +2\text{ °C}$	COP_d	2.95	%
$T_j = +7\text{ °C}$	P_{dh}	21.82	kW	$T_j = +7\text{ °C}$	COP_d	5.59	%
$T_j = +12\text{ °C}$	P_{dh}	10.93	kW	$T_j = +12\text{ °C}$	COP_d	8.93	%
$T_j =$ bivalent temperature	P_{dh}	45.88	kW	$T_j =$ bivalent temperature	COP_d	3.12	%
$T_j =$ operation limit	P_{dh}	27.00	kW	$T_j =$ operation limit	COP_d	2.25	%
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}	-2.9	°C	For water-to-air heat pumps: Operation limit temperature	T_{ol}	-	°C
Degradation efficient heat pumps**	C_{dh}^{co-}	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}	0.091	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0.047	kW	Standby mode	P_{SB}	0.080	kW
Other items				For air-to-air heat pumps: Nominal air flow rate, outdoor measured			
Capacity control	variable					22800	m ³ /h
Sound power level, indoor / outdoor measured	L_{WA}	87.0	dB	For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger		-	m ³ /h
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh				
GWP of the refrigerant		2088	kg CO ₂ eq (100 years)				
Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66,Tebira 6 Chome,Wakayama-City 640-8686,Japan						
** If C_d is not determined by measurement then the default degradation coefficient 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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