

PRODUCT INFORMATION
PUHY-M* * * YNW-A1 (-BS)
PUHY-EM* * * YNW-A1 (-BS)
For Europe Regulation

PRODUCT INFORMATION⁽¹⁾

Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-M200YNW-A1 (-BS) Indoor : PEFY-W50VMA2-A×4 units							
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	$\eta_{s,c}$	259	%
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	22.40	kW	$T_j = +35\text{ °C}$	EER _d	4.05	%
$T_j = +30\text{ °C}$	Pdc	16.51	kW	$T_j = +30\text{ °C}$	EER _d	5.57	%
$T_j = +25\text{ °C}$	Pdc	10.61	kW	$T_j = +25\text{ °C}$	EER _d	8.70	%
$T_j = +20\text{ °C}$	Pdc	10.47	kW	$T_j = +20\text{ °C}$	EER _d	10.63	%
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}	0.064	kW
Thermostat-off mode	P_{TO}	0.072	kW				
Other items				For air-to-air air conditioner: Nominal air flow rate, outdoor measured			
Capacity control	variable					10200	m ³ /h
Sound power level, outdoor	L_{WA}	75.0	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		675	kg CO _{2 ep} (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

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Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-M200YNW-A1 (-BS) Indoor : PEFY-W50VMA2-A×4 units							
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	$P_{rated,h}$	22.50	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	143	%
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}	19.90	kW	$T_j = -7\text{ °C}$	COP_d	3.03	%
$T_j = +2\text{ °C}$	P_{dh}	12.12	kW	$T_j = +2\text{ °C}$	COP_d	2.72	%
$T_j = +7\text{ °C}$	P_{dh}	7.79	kW	$T_j = +7\text{ °C}$	COP_d	6.13	%
$T_j = +12\text{ °C}$	P_{dh}	7.74	kW	$T_j = +12\text{ °C}$	COP_d	9.22	%
$T_j =$ bivalent temperature	P_{dh}	22.50	kW	$T_j =$ bivalent temperature	COP_d	2.30	%
$T_j =$ operation limit	P_{dh}	12.10	kW	$T_j =$ operation limit	COP_d	1.66	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if P_{dh} $T_{OL} < -20\text{ °C}$)		-	kW	For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	COP_d	-	%
Bivalent temperature	T_{biv}	-10.0	°C	For water-to-air heat pumps: Operation limit temperature	T_{ol}	-	°C
Degradation efficient heat pumps**	$co-C_{dh}$	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}	0.035	kW	Standby mode	P_{SB}	0.064	kW
Other items							
Capacity control	variable			For air-to-air heat pumps: Nominal air flow rate, outdoor measured		10200	m ³ /h
Sound power level, indoor / outdoor measured	L_{WA}	78.0	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		675	kg CO ₂ ep (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 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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Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-M250YNW-A1 (-BS) Indoor : PEFY-W63VMA2-A×4 units							
Outdoor heat exchanger of air conditioner: air							
Indoor heat exchanger of air conditioner: air							
Type: compressor driven vapour compression							
if applicable: driver of compressor: electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	28.00	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	249	%
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}	28.00	kW	$T_j = +35\text{ °C}$	EER_d	3.34	%
$T_j = +30\text{ °C}$	P_{dc}	20.63	kW	$T_j = +30\text{ °C}$	EER_d	4.70	%
$T_j = +25\text{ °C}$	P_{dc}	13.26	kW	$T_j = +25\text{ °C}$	EER_d	8.19	%
$T_j = +20\text{ °C}$	P_{dc}	10.45	kW	$T_j = +20\text{ °C}$	EER_d	12.31	%
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}	0.064	kW
Thermostat-off mode	P_{TO}	0.072	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	L_{WA}	78.0	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		675	kg CO ₂ ep (100 years)				
Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66,Tebira 6 Chome,Wakayama-City 640-8686,Japan						
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Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-M250YNW-A1 (-BS) Indoor : PEFY-W63VMA2-A×4 units							
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	$P_{rated,h}$	22.50	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	138	%
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}	19.90	kW	$T_j = -7\text{ °C}$	COP_d	2.72	%
$T_j = +2\text{ °C}$	P_{dh}	12.12	kW	$T_j = +2\text{ °C}$	COP_d	3.15	%
$T_j = +7\text{ °C}$	P_{dh}	7.79	kW	$T_j = +7\text{ °C}$	COP_d	4.72	%
$T_j = +12\text{ °C}$	P_{dh}	6.82	kW	$T_j = +12\text{ °C}$	COP_d	5.93	%
$T_j = \text{bivalent temperature}$	P_{dh}	22.50	kW	$T_j = \text{bivalent temperature}$	COP_d	2.75	%
$T_j = \text{operation limit}$	P_{dh}	12.15	kW	$T_j = \text{operation limit}$	COP_d	2.34	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if P_{dh} $T_{OL} < -20\text{ °C}$)		-	kW	For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	COP_d	-	%
Bivalent temperature	T_{biv}	-10.0	°C	For water-to-air heat pumps: Operation limit temperature	T_{ol}	-	°C
Degradation efficient heat pumps**	C_{dh}	0.25	-				
Power consumption in modes other than 'active mode'				Supplementary heater			
Off mode	P_{OFF}	0.000	kW	Electric back-up heating capacity *	$elbu$	0.000	kW
Thermostat-off mode	P_{TO}	0.072	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0.035	kW	Standby mode	P_{SB}	0.064	kW
Other items							
Capacity control	variable			For air-to-air heat pumps: Nominal air flow rate, outdoor measured		11100	m ³ /h
Sound power level, indoor / outdoor measured	L_{WA}	80.0	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		675	kg CO ₂ ep (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 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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Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-M300YNW-A1 (-BS) Indoor : PEFY-W50VMA2-A×6 units							
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	$\eta_{s,c}$	253	%
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	3.40	%
$T_j = +30\text{ °C}$	P_{dc}	24.68	kW	$T_j = +30\text{ °C}$	EER_d	5.42	%
$T_j = +25\text{ °C}$	P_{dc}	15.87	kW	$T_j = +25\text{ °C}$	EER_d	7.68	%
$T_j = +20\text{ °C}$	P_{dc}	11.03	kW	$T_j = +20\text{ °C}$	EER_d	10.88	%
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}	0.064	kW
Thermostat-off mode	P_{TO}	0.076	kW				
Other items				For air-to-air air conditioner: Nominal air flow rate, outdoor measured			
Capacity control	variable					12000	m ³ /h
Sound power level, outdoor	L_{WA}	80.0	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		675	kg CO ₂ ep (100 years)				
Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66,Tebira 6 Chome,Wakayama-City 640-8686,Japan						
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Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-M300YNW-A1 (-BS) Indoor : PEFY-W50VMA2-A×6 units							
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	$P_{rated,h}$	22.50	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	140	%
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}	19.90	kW	$T_j = -7\text{ °C}$	COP_d	3.04	%
$T_j = +2\text{ °C}$	P_{dh}	12.12	kW	$T_j = +2\text{ °C}$	COP_d	2.69	%
$T_j = +7\text{ °C}$	P_{dh}	7.79	kW	$T_j = +7\text{ °C}$	COP_d	6.10	%
$T_j = +12\text{ °C}$	P_{dh}	7.63	kW	$T_j = +12\text{ °C}$	COP_d	6.90	%
$T_j = \text{bivalent temperature}$	P_{dh}	22.50	kW	$T_j = \text{bivalent temperature}$	COP_d	2.38	%
$T_j = \text{operation limit}$	P_{dh}	12.10	kW	$T_j = \text{operation limit}$	COP_d	1.66	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if P_{dh} $T_{OL} < -20\text{ °C}$)		-	kW	For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	COP_d	-	%
Bivalent temperature	T_{biv}	-10.0	°C	For water-to-air heat pumps: Operation limit temperature	T_{ol}	-	°C
Degradation 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}	0.076	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0.035	kW	Standby mode	P_{SB}	0.064	kW
Other items							
Capacity control	variable			For air-to-air heat pumps: Nominal air flow rate, outdoor measured		14400	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		675	kg CO ₂ ep (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 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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Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-M350YNW-A1 (-BS) Indoor : PEFY-W63VMA2-A × 4 units, PEFY-W50VMA2-A × 2 units							
Outdoor heat exchanger of air conditioner: air							
Indoor heat exchanger of air conditioner: air							
Type: compressor driven vapour compression							
if applicable: driver of compressor: electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	40.00	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	282	%
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}	40.00	kW	$T_j = +35\text{ °C}$	EER_d	3.29	%
$T_j = +30\text{ °C}$	P_{dc}	29.47	kW	$T_j = +30\text{ °C}$	EER_d	4.98	%
$T_j = +25\text{ °C}$	P_{dc}	18.95	kW	$T_j = +25\text{ °C}$	EER_d	8.90	%
$T_j = +20\text{ °C}$	P_{dc}	10.97	kW	$T_j = +20\text{ °C}$	EER_d	16.13	%
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}	0.065	kW
Thermostat-off mode	P_{TO}	0.077	kW				
Other items				For air-to-air air conditioner: Nominal air flow rate, outdoor measured			
Capacity control	variable					15000	m ³ /h
Sound power level, outdoor	L_{WA}	80.5	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		675	kg CO ₂ ep (100 years)				
Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66,Tebira 6 Chome,Wakayama-City 640-8686,Japan						
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Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-M350YNW-A1 (-BS) Indoor : PEFY-W63VMA2-A × 4 units, PEFY-W50VMA2-A × 2 units							
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	$P_{rated,h}$	28.00	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	137	%
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}	24.77	kW	$T_j = -7\text{ °C}$	COP_d	2.43	%
$T_j = +2\text{ °C}$	P_{dh}	15.08	kW	$T_j = +2\text{ °C}$	COP_d	3.10	%
$T_j = +7\text{ °C}$	P_{dh}	9.69	kW	$T_j = +7\text{ °C}$	COP_d	5.11	%
$T_j = +12\text{ °C}$	P_{dh}	6.93	kW	$T_j = +12\text{ °C}$	COP_d	6.48	%
$T_j =$ bivalent temperature	P_{dh}	28.00	kW	$T_j =$ bivalent temperature	COP_d	2.82	%
$T_j =$ operation limit	P_{dh}	15.04	kW	$T_j =$ operation limit	COP_d	1.65	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if P_{dh} $T_{OL} < -20\text{ °C}$)		-	kW	For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	COP_d	-	%
Bivalent temperature	T_{biv}	-10.0	°C	For water-to-air heat pumps: Operation limit temperature	T_{ol}	-	°C
Degradation efficient heat pumps**	$co-C_{dh}$	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}	0.077	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0.034	kW	Standby mode	P_{SB}	0.065	kW
Other items							
Capacity control	variable			For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	15000	m ³ /h
Sound power level, indoor / outdoor measured	L_{WA}	83.0	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		675	kg CO ₂ ep (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 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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Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-M400YNW-A1 (-BS) Indoor : PEFY-W71VMA2-A × 5 units, PEFY-W50VMA2-A × 1 unit							
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	$P_{\text{rated,c}}$	45.00	kW	Seasonal space cooling energy efficiency	$\eta_{\text{s,c}}$	260	%
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}	45.00	kW	$T_j = +35\text{ °C}$	EER_{d}	3.07	%
$T_j = +30\text{ °C}$	P_{dc}	33.16	kW	$T_j = +30\text{ °C}$	EER_{d}	4.79	%
$T_j = +25\text{ °C}$	P_{dc}	21.32	kW	$T_j = +25\text{ °C}$	EER_{d}	8.11	%
$T_j = +20\text{ °C}$	P_{dc}	14.58	kW	$T_j = +20\text{ °C}$	EER_{d}	13.55	%
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}	0.033	kW
Thermostat-off mode	P_{TO}	0.078	kW			0.066	kW
Other items				For air-to-air air conditioner: Nominal air flow rate, outdoor measured			
Capacity control	variable					16200	m ³ /h
Sound power level, outdoor	L_{WA}	82.5	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		675	kg CO ₂ ep (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⁾

Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-M400YNW-A1 (-BS) Indoor : PEFY-W71VMA2-A × 5 units, PEFY-W50VMA2-A × 1 unit							
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	$P_{rated,h}$	35.80	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	137	%
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}	31.67	kW	$T_j = -7\text{ °C}$	COP_d	2.50	%
$T_j = +2\text{ °C}$	P_{dh}	19.28	kW	$T_j = +2\text{ °C}$	COP_d	3.09	%
$T_j = +7\text{ °C}$	P_{dh}	12.39	kW	$T_j = +7\text{ °C}$	COP_d	5.06	%
$T_j = +12\text{ °C}$	P_{dh}	9.37	kW	$T_j = +12\text{ °C}$	COP_d	6.27	%
$T_j = \text{bivalent temperature}$	P_{dh}	35.80	kW	$T_j = \text{bivalent temperature}$	COP_d	2.54	%
$T_j = \text{operation limit}$	P_{dh}	19.24	kW	$T_j = \text{operation limit}$	COP_d	2.39	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if P_{dh} $T_{OL} < -20\text{ °C}$)		-	kW	For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	COP_d	-	%
Bivalent temperature	T_{biv}	-10.0	°C	For water-to-air heat pumps: Operation limit temperature	T_{ol}	-	°C
Degradation 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}	0.033	kW	Standby mode	P_{SB}	0.066	kW
Other items							
Capacity control		variable		For air-to-air heat pumps: Nominal air flow rate, outdoor measured		18900	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		675	kg CO ₂ ep (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 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⁾

Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-M450YNW-A1 (-BS) Indoor : PEFY-W63VMA2-A × 4 units, PEFY-W50VMA2-A × 4 units							
Outdoor heat exchanger of air conditioner: air							
Indoor heat exchanger of air conditioner: air							
Type: compressor driven vapour compression							
if applicable: driver of compressor: electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	50.00	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	281	%
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	3.40	%
$T_j = +30\text{ °C}$	P_{dc}	36.84	kW	$T_j = +30\text{ °C}$	EER_d	5.40	%
$T_j = +25\text{ °C}$	P_{dc}	23.68	kW	$T_j = +25\text{ °C}$	EER_d	10.87	%
$T_j = +20\text{ °C}$	P_{dc}	15.23	kW	$T_j = +20\text{ °C}$	EER_d	8.82	%
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}	0.033	kW
Thermostat-off mode	P_{TO}	0.082	kW			0.066	kW
Other items				For air-to-air air conditioner: Nominal air flow rate, outdoor measured			
Capacity control	variable					16200	m ³ /h
Sound power level, outdoor	L_{WA}	83.5	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		675	kg CO ₂ ep (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⁾

Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-M450YNW-A1 (-BS) Indoor : PEFY-W63VMA2-A × 4 units, PEFY-W50VMA2-A × 4 units							
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	$P_{rated,h}$	37.00	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	137	%
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}	32.73	kW	$T_j = -7\text{ °C}$	COP_d	2.20	%
$T_j = +2\text{ °C}$	P_{dh}	19.92	kW	$T_j = +2\text{ °C}$	COP_d	2.90	%
$T_j = +7\text{ °C}$	P_{dh}	12.81	kW	$T_j = +7\text{ °C}$	COP_d	6.75	%
$T_j = +12\text{ °C}$	P_{dh}	10.06	kW	$T_j = +12\text{ °C}$	COP_d	5.78	%
$T_j = \text{bivalent temperature}$	P_{dh}	37.00	kW	$T_j = \text{bivalent temperature}$	COP_d	2.58	%
$T_j = \text{operation limit}$	P_{dh}	19.89	kW	$T_j = \text{operation limit}$	COP_d	2.28	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if P_{dh} $T_{OL} < -20\text{ °C}$)		-	kW	For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	COP_d	-	%
Bivalent temperature	T_{biv}	-10.0	°C	For water-to-air heat pumps: Operation limit temperature	T_{ol}	-	°C
Degradation 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}	0.082	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0.033	kW	Standby mode	P_{SB}	0.066	kW
Other items							
Capacity control	variable			For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	18900	m ³ /h
Sound power level, indoor / outdoor measured	L_{WA}	88.5	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		675	kg CO ₂ ep (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 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⁾

Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-M500YNW-A1 (-BS) Indoor : PEFY-W63VMA2-A×8 units							
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	$\eta_{s,c}$	272	%
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}	56.00	kW	$T_j = +35\text{ °C}$	EER_d	3.16	%
$T_j = +30\text{ °C}$	P_{dc}	41.26	kW	$T_j = +30\text{ °C}$	EER_d	4.31	%
$T_j = +25\text{ °C}$	P_{dc}	26.53	kW	$T_j = +25\text{ °C}$	EER_d	8.61	%
$T_j = +20\text{ °C}$	P_{dc}	16.12	kW	$T_j = +20\text{ °C}$	EER_d	17.20	%
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}	0.034	kW
Thermostat-off mode	P_{TO}	0.081	kW			0.065	kW
Other items				For air-to-air air conditioner: Nominal air flow rate, outdoor measured			
Capacity control	variable					17700	m ³ /h
Sound power level, outdoor	L_{WA}	82.0	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		675	kg CO ₂ ep (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⁾

Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-M500YNW-A1 (-BS) Indoor : PEFY-W63VMA2-A×8 units							
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	$\eta_{s,h}$	137	%
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}	33.17	kW	$T_j = -7\text{ °C}$	COP_d	2.93	%
$T_j = +2\text{ °C}$	P_{dh}	20.19	kW	$T_j = +2\text{ °C}$	COP_d	2.87	%
$T_j = +7\text{ °C}$	P_{dh}	12.98	kW	$T_j = +7\text{ °C}$	COP_d	5.26	%
$T_j = +12\text{ °C}$	P_{dh}	10.43	kW	$T_j = +12\text{ °C}$	COP_d	5.72	%
$T_j = \text{bivalent temperature}$	P_{dh}	37.50	kW	$T_j = \text{bivalent temperature}$	COP_d	2.59	%
$T_j = \text{operation limit}$	P_{dh}	20.13	kW	$T_j = \text{operation limit}$	COP_d	2.38	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if P_{dh} $T_{OL} < -20\text{ °C}$)		-	kW	For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	COP_d	-	%
Bivalent temperature	T_{biv}	-10.0	°C	For water-to-air heat pumps: Operation limit temperature	T_{ol}	-	°C
Degradation 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}	0.081	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0.034	kW	Standby mode	P_{SB}	0.065	kW
Other items				For air-to-air heat pumps: Nominal air flow rate, outdoor measured			
Capacity control	variable					17700	m ³ /h
Sound power level, indoor / outdoor measured	L_{WA}	85.5	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		675	kg CO ₂ ep (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 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⁾

Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-EM200YNW-A1 (-BS) Indoor : PEFY-W50VMA2-A×4 units							
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	$\eta_{s,c}$	310	%
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	4.48	%
$T_j = +30\text{ °C}$	P_{dc}	16.51	kW	$T_j = +30\text{ °C}$	EER_d	6.78	%
$T_j = +25\text{ °C}$	P_{dc}	10.61	kW	$T_j = +25\text{ °C}$	EER_d	11.30	%
$T_j = +20\text{ °C}$	P_{dc}	10.69	kW	$T_j = +20\text{ °C}$	EER_d	12.50	%
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}	0.064	kW
Thermostat-off mode	P_{TO}	0.072	kW				
Other items				For air-to-air air conditioner: Nominal air flow rate, outdoor measured			
Capacity control	variable					10200	m ³ /h
Sound power level, outdoor	L_{WA}	75.0	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		675	kg CO ₂ ep (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⁾

Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-EM200YNW-A1 (-BS) Indoor : PEFY-W50VMA2-A×4 units							
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	$P_{rated,h}$	22.50	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	148	%
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}	19.90	kW	$T_j = -7\text{ °C}$	COP_d	2.68	%
$T_j = +2\text{ °C}$	P_{dh}	12.12	kW	$T_j = +2\text{ °C}$	COP_d	3.63	%
$T_j = +7\text{ °C}$	P_{dh}	7.79	kW	$T_j = +7\text{ °C}$	COP_d	4.90	%
$T_j = +12\text{ °C}$	P_{dh}	6.24	kW	$T_j = +12\text{ °C}$	COP_d	5.47	%
$T_j = \text{bivalent temperature}$	P_{dh}	22.50	kW	$T_j = \text{bivalent temperature}$	COP_d	2.28	%
$T_j = \text{operation limit}$	P_{dh}	12.10	kW	$T_j = \text{operation limit}$	COP_d	1.65	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if P_{dh} $T_{OL} < -20\text{ °C}$)		-	kW	For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	COP_d	-	%
Bivalent temperature	T_{biv}	-10.0	°C	For water-to-air heat pumps: Operation limit temperature	T_{ol}	-	°C
Degradation efficient heat pumps**	C_{dh}	0.25	-				
Power consumption in modes other than 'active mode'				Supplementary heater			
Off mode	P_{OFF}	0.000	kW	Electric back-up heating capacity *	$elbu$	0.000	kW
Thermostat-off mode	P_{TO}	0.072	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0.035	kW	Standby mode	P_{SB}	0.064	kW
Other items							
Capacity control	variable			For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	10200	m ³ /h
Sound power level, indoor / outdoor measured	L_{WA}	78.0	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		675	kg CO ₂ ep (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 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⁾

Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-EM250YNW-A1 (-BS) Indoor : PEFY-W63VMA2-A×4 units							
Outdoor heat exchanger of air conditioner: air							
Indoor heat exchanger of air conditioner: air							
Type: compressor driven vapour compression							
if applicable: driver of compressor: electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	28.00	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	268	%
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}	28.00	kW	$T_j = +35\text{ °C}$	EER_d	3.83	%
$T_j = +30\text{ °C}$	P_{dc}	20.63	kW	$T_j = +30\text{ °C}$	EER_d	5.95	%
$T_j = +25\text{ °C}$	P_{dc}	13.26	kW	$T_j = +25\text{ °C}$	EER_d	9.37	%
$T_j = +20\text{ °C}$	P_{dc}	10.16	kW	$T_j = +20\text{ °C}$	EER_d	9.17	%
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}	0.035	kW
Thermostat-off mode	P_{TO}	0.072	kW	Standby mode	P_{SB}	0.064	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: Nominal air flow rate, outdoor measured	-	11100	m ³ /h
Sound power level, outdoor	L_{WA}	78.0	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh				
GWP of the refrigerant		675	kg CO ₂ ep (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⁾

Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-EM250YNW-A1 (-BS) Indoor : PEFY-W63VMA2-A×4 units							
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	$P_{rated,h}$	22.50	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	141	%
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}	19.90	kW	$T_j = -7\text{ °C}$	COP_d	2.73	%
$T_j = +2\text{ °C}$	P_{dh}	12.12	kW	$T_j = +2\text{ °C}$	COP_d	3.32	%
$T_j = +7\text{ °C}$	P_{dh}	7.79	kW	$T_j = +7\text{ °C}$	COP_d	4.72	%
$T_j = +12\text{ °C}$	P_{dh}	6.24	kW	$T_j = +12\text{ °C}$	COP_d	5.51	%
$T_j =$ bivalent temperature	P_{dh}	22.50	kW	$T_j =$ bivalent temperature	COP_d	2.90	%
$T_j =$ operation limit	P_{dh}	12.10	kW	$T_j =$ operation limit	COP_d	2.35	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if P_{dh} $T_{OL} < -20\text{ °C}$)		-	kW	For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	COP_d	-	%
Bivalent temperature	T_{biv}	-10.0	°C	For water-to-air heat pumps: Operation limit temperature	T_{ol}	-	°C
Degradation efficient heat pumps**	C_{dh}	0.25	-				
Power consumption in modes other than 'active mode'				Supplementary heater			
Off mode	P_{OFF}	0.000	kW	Electric back-up heating capacity *	$elbu$	0.000	kW
Thermostat-off mode	P_{TO}	0.072	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0.035	kW	Standby mode	P_{SB}	0.064	kW
Other items							
Capacity control	variable			For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	11100	m ³ /h
Sound power level, indoor / outdoor measured	L_{WA}	80.0	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		675	kg CO ₂ ep (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 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⁾

Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-EM300YNW-A1 (-BS) Indoor : PEFY-W50VMA2-A×6 units							
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	$\eta_{s,c}$	287	%
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	3.95	%
$T_j = +30\text{ °C}$	P_{dc}	24.68	kW	$T_j = +30\text{ °C}$	EER_d	5.99	%
$T_j = +25\text{ °C}$	P_{dc}	15.87	kW	$T_j = +25\text{ °C}$	EER_d	10.34	%
$T_j = +20\text{ °C}$	P_{dc}	11.67	kW	$T_j = +20\text{ °C}$	EER_d	9.79	%
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}	0.035	kW
Thermostat-off mode	P_{TO}	0.076	kW			0.064	kW
Other items				For air-to-air air conditioner: Nominal air flow rate, outdoor measured			
Capacity control	variable					12000	m ³ /h
Sound power level, outdoor	L_{WA}	80.0	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		675	kg CO ₂ ep (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⁾

Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-EM300YNW-A1 (-BS) Indoor : PEFY-W50VMA2-A×6 units							
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	$P_{rated,h}$	22.50	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	142	%
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}	19.90	kW	$T_j = -7\text{ °C}$	COP_d	2.63	%
$T_j = +2\text{ °C}$	P_{dh}	12.12	kW	$T_j = +2\text{ °C}$	COP_d	3.25	%
$T_j = +7\text{ °C}$	P_{dh}	7.79	kW	$T_j = +7\text{ °C}$	COP_d	5.03	%
$T_j = +12\text{ °C}$	P_{dh}	7.02	kW	$T_j = +12\text{ °C}$	COP_d	6.23	%
$T_j =$ bivalent temperature	P_{dh}	22.50	kW	$T_j =$ bivalent temperature	COP_d	2.35	%
$T_j =$ operation limit	P_{dh}	12.10	kW	$T_j =$ operation limit	COP_d	1.64	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if P_{dh} $T_{OL} < -20\text{ °C}$)		-	kW	For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	COP_d	-	%
Bivalent temperature	T_{biv}	-10.0	°C	For water-to-air heat pumps: Operation limit temperature	T_{ol}	-	°C
Degradation 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}	0.076	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0.035	kW	Standby mode	P_{SB}	0.064	kW
Other items							
Capacity control	variable			For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	14400	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		675	kg CO ₂ ep (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 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⁾

Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-EM350YNW-A1 (-BS) Indoor : PEFY-W63VMA2-A×4 units, PEFY-W50VMA2-A×2 units							
Outdoor heat exchanger of air conditioner: air							
Indoor heat exchanger of air conditioner: air							
Type: compressor driven vapour compression							
if applicable: driver of compressor: electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	40.00	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	286	%
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}	40.00	kW	$T_j = +35\text{ °C}$	EER_d	3.54	%
$T_j = +30\text{ °C}$	P_{dc}	29.47	kW	$T_j = +30\text{ °C}$	EER_d	5.66	%
$T_j = +25\text{ °C}$	P_{dc}	18.95	kW	$T_j = +25\text{ °C}$	EER_d	9.94	%
$T_j = +20\text{ °C}$	P_{dc}	11.26	kW	$T_j = +20\text{ °C}$	EER_d	10.87	%
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}	0.065	kW
Thermostat-off mode	P_{TO}	0.077	kW				
Other items				For air-to-air air conditioner: Nominal air flow rate, outdoor measured			
Capacity control	variable					15000	m ³ /h
Sound power level, outdoor	L_{WA}	80.5	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		675	kg CO ₂ ep (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⁾

Model(s): Information to identify the model(s) to which the information relates:							
Outdoor : PUHY-EM350YNW-A1 (-BS) Indoor : PEFY-W63VMA2-A×4 units, PEFY-W50VMA2-A×2 units							
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	$P_{rated,h}$	28.00	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	137	%
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}	24.77	kW	$T_j = -7\text{ °C}$	COP_d	2.41	%
$T_j = +2\text{ °C}$	P_{dh}	15.08	kW	$T_j = +2\text{ °C}$	COP_d	3.15	%
$T_j = +7\text{ °C}$	P_{dh}	9.69	kW	$T_j = +7\text{ °C}$	COP_d	5.07	%
$T_j = +12\text{ °C}$	P_{dh}	6.93	kW	$T_j = +12\text{ °C}$	COP_d	6.04	%
$T_j = \text{bivalent temperature}$	P_{dh}	28.00	kW	$T_j = \text{bivalent temperature}$	COP_d	2.73	%
$T_j = \text{operation limit}$	P_{dh}	15.04	kW	$T_j = \text{operation limit}$	COP_d	1.62	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if P_{dh} $T_{OL} < -20\text{ °C}$)		-	kW	For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	COP_d	-	%
Bivalent temperature	T_{biv}	-10.0	°C	For water-to-air heat pumps: Operation limit temperature	T_{ol}	-	°C
Degradation efficient heat pumps**	$co-C_{dh}$	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}	0.077	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0.034	kW	Standby mode	P_{SB}	0.065	kW
Other items							
Capacity control		variable		For air-to-air heat pumps: Nominal air flow rate, outdoor measured		15000	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		675	kg CO ₂ ep (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 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⁾

Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-EM400YNW-A1 (-BS) Indoor : PEFY-W71VMA2-A × 5 units, PEFY-W50VMA2-A × 1 unit							
Outdoor heat exchanger of air conditioner: air							
Indoor heat exchanger of air conditioner: air							
Type: compressor driven vapour compression							
if applicable: driver of compressor: electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	45.00	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	293	%
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}	45.00	kW	$T_j = +35\text{ °C}$	EER_d	3.51	%
$T_j = +30\text{ °C}$	P_{dc}	33.16	kW	$T_j = +30\text{ °C}$	EER_d	5.49	%
$T_j = +25\text{ °C}$	P_{dc}	21.32	kW	$T_j = +25\text{ °C}$	EER_d	9.23	%
$T_j = +20\text{ °C}$	P_{dc}	14.98	kW	$T_j = +20\text{ °C}$	EER_d	14.87	%
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}	0.033	kW
Thermostat-off mode	P_{TO}	0.078	kW			0.066	kW
Other items				For air-to-air air conditioner: Nominal air flow rate, outdoor measured			
Capacity control	variable					16200	m ³ /h
Sound power level, outdoor	L_{WA}	82.5	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		675	kg CO ₂ ep (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⁾

Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-EM400YNW-A1 (-BS) Indoor : PEFY-W71VMA2-A × 5 units, PEFY-W50VMA2-A × 1 unit							
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	$P_{rated,h}$	37.00	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	137	%
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}	32.73	kW	$T_j = -7\text{ °C}$	COP_d	2.39	%
$T_j = +2\text{ °C}$	P_{dh}	19.92	kW	$T_j = +2\text{ °C}$	COP_d	3.10	%
$T_j = +7\text{ °C}$	P_{dh}	12.81	kW	$T_j = +7\text{ °C}$	COP_d	5.31	%
$T_j = +12\text{ °C}$	P_{dh}	9.18	kW	$T_j = +12\text{ °C}$	COP_d	5.80	%
$T_j = \text{bivalent temperature}$	P_{dh}	37.00	kW	$T_j = \text{bivalent temperature}$	COP_d	2.71	%
$T_j = \text{operation limit}$	P_{dh}	19.24	kW	$T_j = \text{operation limit}$	COP_d	2.38	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if P_{dh} $T_{OL} < -20\text{ °C}$)		-	kW	For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	COP_d	-	%
Bivalent temperature	T_{biv}	-10.0	°C	For water-to-air heat pumps: Operation limit temperature	T_{ol}	-	°C
Degradation 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}	0.033	kW	Standby mode	P_{SB}	0.066	kW
Other items							
Capacity control	variable			For air-to-air heat pumps: Nominal air flow rate, outdoor measured		18900	m ³ /h
Sound power level, indoor / outdoor measured	L_{WA}	84.5	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		675	kg CO ₂ ep (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 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⁾

Model(s): Information to identify the model(s) to which the information relates:							
Outdoor : PUHY-EM450YNW-A1 (-BS) Indoor : PEFY-W63VMA2-A×4 units, PEFY-W50VMA2-A×4 units							
Outdoor heat exchanger of air conditioner: air							
Indoor heat exchanger of air conditioner: air							
Type: compressor driven vapour compression							
if applicable: driver of compressor: electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	50.00	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	300	%
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	3.52	%
$T_j = +30\text{ °C}$	P_{dc}	36.84	kW	$T_j = +30\text{ °C}$	EER_d	5.29	%
$T_j = +25\text{ °C}$	P_{dc}	23.68	kW	$T_j = +25\text{ °C}$	EER_d	9.63	%
$T_j = +20\text{ °C}$	P_{dc}	15.27	kW	$T_j = +20\text{ °C}$	EER_d	15.77	%
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}	0.033	kW
Thermostat-off mode	P_{TO}	0.082	kW			0.066	kW
Other items				For air-to-air air conditioner: Nominal air flow rate, outdoor measured			
Capacity control	variable					16200	m ³ /h
Sound power level, outdoor	L_{WA}	83.5	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		675	kg CO ₂ ep (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⁾

Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-EM450YNW-A1 (-BS) Indoor : PEFY-W63VMA2-A×4 units, PEFY-W50VMA2-A×4 units							
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	$P_{rated,h}$	37.00	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	137	%
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			
$T_j = -7\text{ °C}$	Pdh	32.73	kW	$T_j = -7\text{ °C}$	COP _d	2.01	%
$T_j = +2\text{ °C}$	Pdh	19.92	kW	$T_j = +2\text{ °C}$	COP _d	2.82	%
$T_j = +7\text{ °C}$	Pdh	12.81	kW	$T_j = +7\text{ °C}$	COP _d	7.24	%
$T_j = +12\text{ °C}$	Pdh	14.08	kW	$T_j = +12\text{ °C}$	COP _d	9.03	%
$T_j = \text{bivalent temperature}$	Pdh	37.00	kW	$T_j = \text{bivalent temperature}$	COP _d	2.73	%
$T_j = \text{operation limit}$	Pdh	19.89	kW	$T_j = \text{operation limit}$	COP _d	2.03	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if P_{dh} $T_{OL} < -20\text{ °C}$)		-	kW	For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	COP _d	-	%
Bivalent temperature	T_{biv}	-10.0	°C	For water-to-air heat pumps: Operation limit temperature	T_{ol}	-	°C
Degradation efficient heat pumps**	co- 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}	0.033	kW	Standby mode	P_{SB}	0.066	kW
Other items							
Capacity control	variable			For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	18900	m ³ /h
Sound power level, indoor / outdoor measured	L_{WA}	88.5	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		675	kg CO ₂ ep (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 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⁾

Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-EM500YNW-A1 (-BS) Indoor : PEFY-W63VMA2-A×8 units							
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	$\eta_{s,c}$	284	%
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}	56.00	kW	$T_j = +35\text{ °C}$	EER_d	3.28	%
$T_j = +30\text{ °C}$	P_{dc}	41.26	kW	$T_j = +30\text{ °C}$	EER_d	4.64	%
$T_j = +25\text{ °C}$	P_{dc}	26.53	kW	$T_j = +25\text{ °C}$	EER_d	9.33	%
$T_j = +20\text{ °C}$	P_{dc}	16.73	kW	$T_j = +20\text{ °C}$	EER_d	15.85	%
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}	0.034	kW
Thermostat-off mode	P_{TO}	0.081	kW			0.065	kW
Other items				For air-to-air air conditioner: Nominal air flow rate, outdoor measured			
Capacity control	variable					17700	m ³ /h
Sound power level, outdoor	L_{WA}	82.0	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		675	kg CO ₂ ep (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⁾

Model(s): Information to identify the model(s) to which the information relates: Outdoor : PUHY-EM500YNW-A1 (-BS) Indoor : PEFY-W63VMA2-A×8 units							
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	$\eta_{s,h}$	137	%
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			
$T_j = -7\text{ °C}$	Pdh	33.17	kW	$T_j = -7\text{ °C}$	COP _d	2.68	%
$T_j = +2\text{ °C}$	Pdh	20.19	kW	$T_j = +2\text{ °C}$	COP _d	2.81	%
$T_j = +7\text{ °C}$	Pdh	12.98	kW	$T_j = +7\text{ °C}$	COP _d	5.72	%
$T_j = +12\text{ °C}$	Pdh	9.67	kW	$T_j = +12\text{ °C}$	COP _d	6.74	%
$T_j = \text{bivalent temperature}$	Pdh	37.50	kW	$T_j = \text{bivalent temperature}$	COP _d	2.60	%
$T_j = \text{operation limit}$	Pdh	20.13	kW	$T_j = \text{operation limit}$	COP _d	2.38	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if Pdh $T_{OL} < -20\text{ °C}$)		-	kW	For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	COP _d	-	%
Bivalent temperature	T_{biv}	-10.0	°C	For water-to-air heat pumps: Operation limit temperature	T_{ol}	-	°C
Degradation efficient heat pumps**	co- 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}	0.034	kW	Standby mode	P_{SB}	0.065	kW
Other items							
Capacity control	variable			For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	17700	m ³ /h
Sound power level, indoor / outdoor measured	L_{WA}	85.5	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		675	kg CO ₂ ep (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 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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