

PRODUCT INFORMATION
PURY-P * * * YNW-A1/TR (-BS)
PURY-EP * * * YNW-A1/TR (-BS)
For Europe Regulation

PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates: Outdoor: PURY-P200YNW-A1/TR (-BS) Indoor: PEFY-P50VMA3-E×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	$\eta_{s,c}$	296.0	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio 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	4.25	%
$T_j = +30\text{ °C}$	P_{dc}	16.51	kW	$T_j = +30\text{ °C}$	EER_d	5.10	%
$T_j = +25\text{ °C}$	P_{dc}	10.61	kW	$T_j = +25\text{ °C}$	EER_d	9.81	%
$T_j = +20\text{ °C}$	P_{dc}	10.16	kW	$T_j = +20\text{ °C}$	EER_d	14.67	%
Degradation efficient conditioners**	co-air C_d	0.25	-				
Power consumption in modes other than 'active mode'				Crankcase heater mode			
Off mode	P_{OFF}	0.048	kW	Standby mode	P_{SB}	0.048	kW
Thermostat-off mode	P_{TO}	0.018	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}	76	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		2088	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: PURY-P200YNW-A1/TR (-BS) Indoor: PEFY-P50VMA3-E×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	$P_{rated,h}$	22.40	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	155.0	%
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}	11.28	kW	$T_j = -7\text{ °C}$	COP_d	2.48	%
$T_j = +2\text{ °C}$	P_{dh}	6.87	kW	$T_j = +2\text{ °C}$	COP_d	3.58	%
$T_j = +7\text{ °C}$	P_{dh}	4.41	kW	$T_j = +7\text{ °C}$	COP_d	6.04	%
$T_j = +12\text{ °C}$	P_{dh}	5.01	kW	$T_j = +12\text{ °C}$	COP_d	7.74	%
$T_j = \text{bivalent temperature}$	P_{dh}	12.75	kW	$T_j = \text{bivalent temperature}$	COP_d	2.00	%
$T_j = \text{operation limit}$	P_{dh}	11.25	kW	$T_j = \text{operation limit}$	COP_d	1.90	%
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}	-10.0	°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}	0.048	kW	Electric back-up heating capacity *	$elbu$	0.000	kW
Thermostat-off mode	P_{TO}	0.110	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0.018	kW	Standby mode	P_{SB}	0.125	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	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 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: PURY-P250YNW-A1/TR (-BS) Indoor: PEFY-P63VMA3-E×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	$\eta_{s,c}$	275.0	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio 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	3.86	%
$T_j = +30\text{ °C}$	P_{dc}	20.63	kW	$T_j = +30\text{ °C}$	EER_d	4.42	%
$T_j = +25\text{ °C}$	P_{dc}	13.26	kW	$T_j = +25\text{ °C}$	EER_d	8.37	%
$T_j = +20\text{ °C}$	P_{dc}	8.93	kW	$T_j = +20\text{ °C}$	EER_d	16.12	%
Degradation efficient air	$co-C_d$	0.25	-				
Power consumption in modes other than 'active mode'				Crankcase heater mode			
Off mode	P_{OFF}	0.048	kW	Standby mode	P_{SB}	0.018	kW
Thermostat-off mode	P_{TO}	0.018	kW			0.048	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	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		2088	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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Outdoor heat exchanger of air conditioner: air			
Indoor heat exchanger of air conditioner: air			
Indication if the heater is equipped with a supplementary heater: no			
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.			
Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	28.00	kW
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j			
$T_j = -7\text{ °C}$	P_{dh}	14.22	kW
$T_j = +2\text{ °C}$	P_{dh}	8.86	kW
$T_j = +7\text{ °C}$	P_{dh}	5.56	kW
$T_j = +12\text{ °C}$	P_{dh}	4.93	kW
$T_j = \text{bivalent temperature}$	P_{dh}	16.07	kW
$T_j = \text{operation limit}$	P_{dh}	12.60	kW
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	P_{dh}	-	kW
Bivalent temperature	T_{biv}	-10.0	°C
Degradation coefficient of heat pumps**	C_{dh}	0.25	-
Power consumption in modes other than 'active mode'			
Off mode	P_{OFF}	0.048	kW
Thermostat-off mode	P_{TO}	0.110	kW
Crankcase heater mode	P_{CK}	0.018	kW
Other items			
Capacity control	variable		
Sound power level, indoor / outdoor measured	L_{WA}	80	dB
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh
GWP of the refrigerant		2088	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: PURY-P300YNW-A1/TR (-BS) Indoor: PEFY-P50VMA3-E×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	$\eta_{s,c}$	262.0	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio 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	3.73	%
$T_j = +30\text{ °C}$	P_{dc}	24.68	kW	$T_j = +30\text{ °C}$	EER_d	4.24	%
$T_j = +25\text{ °C}$	P_{dc}	15.87	kW	$T_j = +25\text{ °C}$	EER_d	8.13	%
$T_j = +20\text{ °C}$	P_{dc}	11.26	kW	$T_j = +20\text{ °C}$	EER_d	14.27	%
Degradation efficient air	$co-C_d$	0.25	-				
Power consumption in modes other than 'active mode'				Crankcase heater mode			
Off mode	P_{OFF}	0.056	kW	Standby mode	P_{SB}	0.056	kW
Thermostat-off mode	P_{TO}	0.021	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	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		2088	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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Outdoor heat exchanger of air conditioner: air			
Indoor heat exchanger of air conditioner: air			
Indication if the heater is equipped with a supplementary heater: no			
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.			
Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	33.50	kW
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j			
$T_j = -7\text{ °C}$	P_{dh}	16.92	kW
$T_j = +2\text{ °C}$	P_{dh}	10.30	kW
$T_j = +7\text{ °C}$	P_{dh}	6.62	kW
$T_j = +12\text{ °C}$	P_{dh}	6.73	kW
$T_j = \text{bivalent temperature}$	P_{dh}	19.13	kW
$T_j = \text{operation limit}$	P_{dh}	15.00	kW
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	P_{dh}	-	kW
Bivalent temperature	T_{biv}	-10.0	°C
Degradation coefficient of heat pumps**	C_{dh}	0.25	-
Power consumption in modes other than 'active mode'			
Off mode	P_{OFF}	0.056	kW
Thermostat-off mode	P_{TO}	0.119	kW
Crankcase heater mode	P_{CK}	0.021	kW
Other items			
Capacity control	variable		
Sound power level, indoor / outdoor measured	L_{WA}	86	dB
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh
GWP of the refrigerant		2088	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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PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates: Outdoor: PURY-P350YNW-A1/TR (-BS) Indoor: PEFY-P63VMA3-E×4 units, PEFY-P50VMA3-E×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	$\eta_{s,c}$	261.0	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio 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	3.64	%
$T_j = +30\text{ °C}$	P_{dc}	29.47	kW	$T_j = +30\text{ °C}$	EER_d	4.50	%
$T_j = +25\text{ °C}$	P_{dc}	18.95	kW	$T_j = +25\text{ °C}$	EER_d	7.63	%
$T_j = +20\text{ °C}$	P_{dc}	11.33	kW	$T_j = +20\text{ °C}$	EER_d	14.35	%
Degradation efficient air	$co-C_d$	0.25	-				
Power consumption in modes other than 'active mode'				Crankcase heater mode			
Off mode	P_{OFF}	0.068	kW	Standby mode	P_{SB}	0.068	kW
Thermostat-off mode	P_{TO}	0.025	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}	81	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		2088	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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Outdoor heat exchanger of air conditioner: air			
Indoor heat exchanger of air conditioner: air			
Indication if the heater is equipped with a supplementary heater: no			
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.			
Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	40.00	kW
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j			
$T_j = -7\text{ °C}$	P_{dh}	20.35	kW
$T_j = +2\text{ °C}$	P_{dh}	12.38	kW
$T_j = +7\text{ °C}$	P_{dh}	7.96	kW
$T_j = +12\text{ °C}$	P_{dh}	6.82	kW
$T_j = \text{bivalent temperature}$	P_{dh}	23.00	kW
$T_j = \text{operation limit}$	P_{dh}	18.00	kW
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)		-	kW
Bivalent temperature	T_{biv}	-10.0	°C
Degradation coefficient of heat pumps**	C_{dh}	0.25	-
Power consumption in modes other than 'active mode'			
Off mode	P_{OFF}	0.068	kW
Thermostat-off mode	P_{TO}	0.130	kW
Crankcase heater mode	P_{CK}	0.025	kW
Other items			
Capacity control	variable		
Sound power level, indoor / outdoor measured	L_{WA}	83	dB
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh
GWP of the refrigerant		2088	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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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	$\eta_{s,c}$	249.0	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio 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	3.08	%
$T_j = +30\text{ °C}$	P_{dc}	33.16	kW	$T_j = +30\text{ °C}$	EER_d	4.19	%
$T_j = +25\text{ °C}$	P_{dc}	21.32	kW	$T_j = +25\text{ °C}$	EER_d	7.21	%
$T_j = +20\text{ °C}$	P_{dc}	12.41	kW	$T_j = +20\text{ °C}$	EER_d	15.62	%
Degradation efficient air	$co-C_d$	0.25	-				
Power consumption in modes other than 'active mode'				Crankcase heater mode			
Off mode	P_{OFF}	0.068	kW	Standby mode	P_{SB}	0.068	kW
Thermostat-off mode	P_{TO}	0.025	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	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		2088	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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Outdoor heat exchanger of air conditioner: air			
Indoor heat exchanger of air conditioner: air			
Indication if the heater is equipped with a supplementary heater: no			
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.			
Item	Symbol	Value	Unit
Rated heating capacity	$P_{rated,h}$	45.00	kW
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j			
$T_j = -7\text{ °C}$	P_{dh}	22.58	kW
$T_j = +2\text{ °C}$	P_{dh}	13.73	kW
$T_j = +7\text{ °C}$	P_{dh}	8.83	kW
$T_j = +12\text{ °C}$	P_{dh}	7.96	kW
$T_j = \text{bivalent temperature}$	P_{dh}	25.50	kW
$T_j = \text{operation limit}$	P_{dh}	20.00	kW
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)		-	kW
Bivalent temperature	T_{biv}	-10.0	°C
Degradation coefficient of heat pumps**	C_{dh}	0.25	-
Power consumption in modes other than 'active mode'			
Off mode	P_{OFF}	0.068	kW
Thermostat-off mode	P_{TO}	0.130	kW
Crankcase heater mode	P_{CK}	0.025	kW
Other items			
Capacity control	variable		
Sound power level, indoor / outdoor measured	L_{WA}	88	dB
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh
GWP of the refrigerant		2088	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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PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates: Outdoor: PURY-P450YNW-A1/TR (-BS) Indoor: PEFY-P63VMA3-E×4 units, PEFY-P50VMA3-E×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	$\eta_{s,c}$	253.0	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio 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}	36.84	kW	$T_j = +30\text{ °C}$	EER_d	4.20	%
$T_j = +25\text{ °C}$	P_{dc}	23.68	kW	$T_j = +25\text{ °C}$	EER_d	7.24	%
$T_j = +20\text{ °C}$	P_{dc}	15.37	kW	$T_j = +20\text{ °C}$	EER_d	15.92	%
Degradation efficient air	$co-C_d$	0.25	-				
Power consumption in modes other than 'active mode'				Crankcase heater mode			
Off mode	P_{OFF}	0.076	kW	Standby mode	P_{SB}	0.076	kW
Thermostat-off mode	P_{TO}	0.028	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	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		2088	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: PURY-P450YNW-A1/TR (-BS) Indoor: PEFY-P63VMA3-E×4 units, PEFY-P50VMA3-E×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
Rated heating capacity	$P_{rated,h}$	50.00	kW
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j			
$T_j = -7\text{ °C}$	P_{dh}	25.26	kW
$T_j = +2\text{ °C}$	P_{dh}	15.38	kW
$T_j = +7\text{ °C}$	P_{dh}	9.89	kW
$T_j = +12\text{ °C}$	P_{dh}	8.28	kW
$T_j = \text{bivalent temperature}$	P_{dh}	28.56	kW
$T_j = \text{operation limit}$	P_{dh}	22.40	kW
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	P_{dh}	-	kW
Bivalent temperature	T_{biv}	-10.0	°C
Degradation coefficient of heat pumps**	C_{dh}	0.25	-
Power consumption in modes other than 'active mode'			
Off mode	P_{OFF}	0.076	kW
Thermostat-off mode	P_{TO}	0.139	kW
Crankcase heater mode	P_{CK}	0.028	kW
Other items			
Capacity control	variable		
Sound power level, indoor / outdoor measured	L_{WA}	89	dB
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh
GWP of the refrigerant		2088	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: PURY-P500YNW-A1/TR (-BS) Indoor: PEFY-P63VMA3-E×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	$\eta_{s,c}$	250.0	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio 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	3.02	%
$T_j = +30\text{ °C}$	P_{dc}	41.26	kW	$T_j = +30\text{ °C}$	EER_d	3.81	%
$T_j = +25\text{ °C}$	P_{dc}	26.53	kW	$T_j = +25\text{ °C}$	EER_d	7.85	%
$T_j = +20\text{ °C}$	P_{dc}	14.09	kW	$T_j = +20\text{ °C}$	EER_d	15.22	%
Degradation efficient air	$co-C_d$	0.25	-				
Power consumption in modes other than 'active mode'				Crankcase heater mode			
Off mode	P_{OFF}	0.076	kW	Standby mode	P_{SB}	0.076	kW
Thermostat-off mode	P_{TO}	0.028	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	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		2088	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: PURY-P500YNW-A1/TR (-BS) Indoor: PEFY-P63VMA3-E×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
Rated heating capacity	$P_{rated,h}$	56.00	kW
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j			
$T_j = -7\text{ °C}$	P_{dh}	28.42	kW
$T_j = +2\text{ °C}$	P_{dh}	17.30	kW
$T_j = +7\text{ °C}$	P_{dh}	11.12	kW
$T_j = +12\text{ °C}$	P_{dh}	9.90	kW
$T_j = \text{bivalent temperature}$	P_{dh}	32.13	kW
$T_j = \text{operation limit}$	P_{dh}	25.20	kW
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)		-	kW
Bivalent temperature	T_{biv}	-10.0	°C
Degradation coefficient of heat pumps**	C_{dh}	0.25	-
Power consumption in modes other than 'active mode'			
Off mode	P_{OFF}	0.076	kW
Thermostat-off mode	P_{TO}	0.147	kW
Crankcase heater mode	P_{CK}	0.028	kW
Other items			
Capacity control	variable		
Sound power level, indoor / outdoor measured	L_{WA}	84	dB
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh
GWP of the refrigerant		2088	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: PURY-P550YNW-A1/TR (-BS) Indoor: PEFY-P71VMA3-E×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	$P_{rated,c}$	63.00	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	239.0	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j = +35\text{ °C}$	P_{dc}	63.00	kW	$T_j = +35\text{ °C}$	EER_d	2.84	%
$T_j = +30\text{ °C}$	P_{dc}	46.42	kW	$T_j = +30\text{ °C}$	EER_d	3.51	%
$T_j = +25\text{ °C}$	P_{dc}	29.84	kW	$T_j = +25\text{ °C}$	EER_d	7.24	%
$T_j = +20\text{ °C}$	P_{dc}	14.10	kW	$T_j = +20\text{ °C}$	EER_d	16.85	%
Degradation efficient air	$co-C_d$	0.25	-				
Power consumption in modes other than 'active mode'				Crankcase heater mode			
Off mode	P_{OFF}	0.076	kW	Standby mode	P_{SB}	0.076	kW
Thermostat-off mode	P_{TO}	0.028	kW				
Other items				For air-to-air air conditioner: Nominal air flow rate, outdoor measured			
Capacity control	variable					19500	m ³ /h
Sound power level, outdoor	L_{WA}	83	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		2088	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: PURY-P550YNW-A1/TR (-BS) Indoor: PEFY-P71VMA3-E×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
Rated heating capacity	$P_{rated,h}$	63.00	kW
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j			
$T_j = -7\text{ °C}$	P_{dh}	31.13	kW
$T_j = +2\text{ °C}$	P_{dh}	18.95	kW
$T_j = +7\text{ °C}$	P_{dh}	12.18	kW
$T_j = +12\text{ °C}$	P_{dh}	9.90	kW
$T_j = \text{bivalent temperature}$	P_{dh}	35.19	kW
$T_j = \text{operation limit}$	P_{dh}	27.60	kW
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	P_{dh}	-	kW
Bivalent temperature	T_{biv}	-10.0	°C
Degradation coefficient of heat pumps**	C_{dh}	0.25	-
Power consumption in modes other than 'active mode'			
Off mode	P_{OFF}	0.076	kW
Thermostat-off mode	P_{TO}	0.147	kW
Crankcase heater mode	P_{CK}	0.028	kW
Other items			
Capacity control	variable		
Sound power level, indoor / outdoor measured	L_{WA}	89	dB
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh
GWP of the refrigerant		2088	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: PURY-EP200YNW-A1/TR (-BS) Indoor: PEFY-P50VMA3-E×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	$\eta_{s,c}$	303.0	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio 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	4.72	%
$T_j = +30\text{ °C}$	P_{dc}	16.51	kW	$T_j = +30\text{ °C}$	EER_d	5.70	%
$T_j = +25\text{ °C}$	P_{dc}	10.61	kW	$T_j = +25\text{ °C}$	EER_d	9.70	%
$T_j = +20\text{ °C}$	P_{dc}	8.26	kW	$T_j = +20\text{ °C}$	EER_d	13.21	%
Degradation efficient air	$co-C_d$	0.25	-				
Power consumption in modes other than 'active mode'				Crankcase heater mode			
Off mode	P_{OFF}	0.048	kW	Standby mode	P_{SB}	0.018	kW
Thermostat-off mode	P_{TO}	0.018	kW			0.048	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}	76	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		2088	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: PURY-EP200YNW-A1/TR (-BS) Indoor: PEFY-P50VMA3-E×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
Rated heating capacity	$P_{rated,h}$	22.40	kW
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j			
$T_j = -7\text{ °C}$	P_{dh}	11.28	kW
$T_j = +2\text{ °C}$	P_{dh}	6.87	kW
$T_j = +7\text{ °C}$	P_{dh}	4.41	kW
$T_j = +12\text{ °C}$	P_{dh}	5.01	kW
$T_j = \text{bivalent temperature}$	P_{dh}	12.75	kW
$T_j = \text{operation limit}$	P_{dh}	11.25	kW
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	P_{dh}	-	kW
Bivalent temperature	T_{biv}	-10.0	°C
Degradation coefficient of heat pumps**	C_{dh}	0.25	-
Power consumption in modes other than 'active mode'			
Off mode	P_{OFF}	0.048	kW
Thermostat-off mode	P_{TO}	0.110	kW
Crankcase heater mode	P_{CK}	0.018	kW
Other items			
Capacity control	variable		
Sound power level, indoor / outdoor measured	L_{WA}	78	dB
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh
GWP of the refrigerant		2088	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 : PURY-EP250YNW-A1/TR (-BS) Indoor: PEFY-P63VMA3-E×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	$\eta_{s,c}$	286.0	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio 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	4.06	%
$T_j = +30\text{ °C}$	P_{dc}	20.63	kW	$T_j = +30\text{ °C}$	EER_d	5.71	%
$T_j = +25\text{ °C}$	P_{dc}	13.26	kW	$T_j = +25\text{ °C}$	EER_d	8.71	%
$T_j = +20\text{ °C}$	P_{dc}	10.00	kW	$T_j = +20\text{ °C}$	EER_d	12.20	%
Degradation efficient air	$co-C_d$	0.25	-				
Power consumption in modes other than 'active mode'				Crankcase heater mode			
Off mode	P_{OFF}	0.048	kW	Standby mode	P_{SB}	0.018	kW
Thermostat-off mode	P_{TO}	0.018	kW			0.048	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	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		2088	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: PURY-EP250YNW-A1/TR (-BS) Indoor: PEFY-P63VMA3-E×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	$P_{rated,h}$	28.00	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	167.0	%
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}	14.22	kW	$T_j = -7\text{ °C}$	COP_d	2.70	%
$T_j = +2\text{ °C}$	P_{dh}	8.86	kW	$T_j = +2\text{ °C}$	COP_d	4.03	%
$T_j = +7\text{ °C}$	P_{dh}	5.56	kW	$T_j = +7\text{ °C}$	COP_d	5.79	%
$T_j = +12\text{ °C}$	P_{dh}	5.15	kW	$T_j = +12\text{ °C}$	COP_d	8.05	%
$T_j = \text{bivalent temperature}$	P_{dh}	16.07	kW	$T_j = \text{bivalent temperature}$	COP_d	1.97	%
$T_j = \text{operation limit}$	P_{dh}	12.60	kW	$T_j = \text{operation limit}$	COP_d	1.78	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	P_{dh}	-	kW	For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	COP_d	-	%
Bivalent temperature	T_{biv}	-10.0	°C	For water-to-air heat pumps: Operation limit temperature	T_{ol}	-	°C
Degradation coefficient of heat pumps**	C_{dh}	0.25	-				
Power consumption in modes other than 'active mode'				Supplementary heater			
Off mode	P_{OFF}	0.048	kW	Electric back-up heating capacity *	e_{lbu}	0.000	kW
Thermostat-off mode	P_{TO}	0.110	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0.018	kW	Standby mode	P_{SB}	0.125	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	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 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: PURY-EP300YNW-A1/TR (-BS) Indoor: PEFY-P50VMA3-E×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	$\eta_{s,c}$	268.0	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio 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	4.10	%
$T_j = +30\text{ °C}$	P_{dc}	24.68	kW	$T_j = +30\text{ °C}$	EER_d	4.51	%
$T_j = +25\text{ °C}$	P_{dc}	15.87	kW	$T_j = +25\text{ °C}$	EER_d	8.09	%
$T_j = +20\text{ °C}$	P_{dc}	10.05	kW	$T_j = +20\text{ °C}$	EER_d	13.54	%
Degradation efficient air	$co-C_d$	0.25	-				
Power consumption in modes other than 'active mode'				Crankcase heater mode			
Off mode	P_{OFF}	0.056	kW	Standby mode	P_{SB}	0.056	kW
Thermostat-off mode	P_{TO}	0.021	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	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		2088	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: PURY-EP300YNW-A1/TR (-BS) Indoor: PEFY-P50VMA3-E×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	$P_{rated,h}$	33.50	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	162.0	%
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}	16.92	kW	$T_j = -7\text{ °C}$	COP_d	2.77	%
$T_j = +2\text{ °C}$	P_{dh}	10.30	kW	$T_j = +2\text{ °C}$	COP_d	3.58	%
$T_j = +7\text{ °C}$	P_{dh}	6.62	kW	$T_j = +7\text{ °C}$	COP_d	6.41	%
$T_j = +12\text{ °C}$	P_{dh}	6.30	kW	$T_j = +12\text{ °C}$	COP_d	7.95	%
$T_j = \text{bivalent temperature}$	P_{dh}	19.13	kW	$T_j = \text{bivalent temperature}$	COP_d	1.92	%
$T_j = \text{operation limit}$	P_{dh}	15.00	kW	$T_j = \text{operation limit}$	COP_d	1.74	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	P_{dh}	-	kW	For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	COP_d	-	%
Bivalent temperature	T_{biv}	-10.0	°C	For water-to-air heat pumps: Operation limit temperature	T_{ol}	-	°C
Degradation coefficient of heat pumps**	C_{dh}	0.25	-				
Power consumption in modes other than 'active mode'				Supplementary heater			
Off mode	P_{OFF}	0.056	kW	Electric back-up heating capacity *	e_{lbu}	0.000	kW
Thermostat-off mode	P_{TO}	0.119	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0.021	kW	Standby mode	P_{SB}	0.134	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}	86	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 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: PURY-EP350YNW-A1/TR (-BS) Indoor: PEFY-P63VMA3-E×4 units, PEFY-P50VMA3-E×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	$\eta_{s,c}$	263.0	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio 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	4.01	%
$T_j = +30\text{ °C}$	P_{dc}	29.47	kW	$T_j = +30\text{ °C}$	EER_d	4.28	%
$T_j = +25\text{ °C}$	P_{dc}	18.95	kW	$T_j = +25\text{ °C}$	EER_d	7.89	%
$T_j = +20\text{ °C}$	P_{dc}	9.98	kW	$T_j = +20\text{ °C}$	EER_d	13.98	%
Degradation efficient air	$co-C_d$	0.25	-				
Power consumption in modes other than 'active mode'				Crankcase heater mode			
Off mode	P_{OFF}	0.068	kW	Standby mode	P_{SB}	0.068	kW
Thermostat-off mode	P_{TO}	0.025	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}	81	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		2088	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: PURY-EP350YNW-A1/TR (-BS) Indoor: PEFY-P63VMA3-E×4 units, PEFY-P50VMA3-E×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
Rated heating capacity	$P_{rated,h}$	40.00	kW
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j			
$T_j = -7\text{ °C}$	P_{dh}	20.35	kW
$T_j = +2\text{ °C}$	P_{dh}	12.38	kW
$T_j = +7\text{ °C}$	P_{dh}	7.96	kW
$T_j = +12\text{ °C}$	P_{dh}	7.80	kW
$T_j = \text{bivalent temperature}$	P_{dh}	23.00	kW
$T_j = \text{operation limit}$	P_{dh}	18.00	kW
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)		-	kW
Bivalent temperature	T_{biv}	-10.0	°C
Degradation coefficient of heat pumps**	C_{dh}	0.25	-
Power consumption in modes other than 'active mode'			
Off mode	P_{OFF}	0.068	kW
Thermostat-off mode	P_{TO}	0.130	kW
Crankcase heater mode	P_{CK}	0.025	kW
Other items			
Capacity control	variable		
Sound power level, indoor / outdoor measured	L_{WA}	83	dB
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh
GWP of the refrigerant		2088	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: PURY-EP400YNW-A1/TR (-BS) Indoor: PEFY-P71VMA3-E×2 units, PEFY-P63VMA3-E×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	$P_{rated,c}$	45.00	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	262.0	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio 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	3.45	%
$T_j = +30\text{ °C}$	P_{dc}	33.16	kW	$T_j = +30\text{ °C}$	EER_d	4.31	%
$T_j = +25\text{ °C}$	P_{dc}	21.32	kW	$T_j = +25\text{ °C}$	EER_d	7.55	%
$T_j = +20\text{ °C}$	P_{dc}	9.48	kW	$T_j = +20\text{ °C}$	EER_d	15.60	%
Degradation efficient air	$co-C_d$	0.25	-				
Power consumption in modes other than 'active mode'				Crankcase heater mode			
Off mode	P_{OFF}	0.068	kW	Standby mode	P_{SB}	0.068	kW
Thermostat-off mode	P_{TO}	0.025	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	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		2088	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: PURY-EP400YNW-A1/TR (-BS) Indoor: PEFY-P71VMA3-E×2 units, PEFY-P63VMA3-E×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
Rated heating capacity	$P_{rated,h}$	45.00	kW
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j			
$T_j = -7\text{ °C}$	P_{dh}	22.56	kW
$T_j = +2\text{ °C}$	P_{dh}	13.73	kW
$T_j = +7\text{ °C}$	P_{dh}	8.83	kW
$T_j = +12\text{ °C}$	P_{dh}	8.00	kW
$T_j = \text{bivalent temperature}$	P_{dh}	25.50	kW
$T_j = \text{operation limit}$	P_{dh}	20.00	kW
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)		-	kW
Bivalent temperature	T_{biv}	-10.0	°C
Degradation coefficient of heat pumps**	C_{dh}	0.25	-
Power consumption in modes other than 'active mode'			
Off mode	P_{OFF}	0.068	kW
Thermostat-off mode	P_{TO}	0.130	kW
Crankcase heater mode	P_{CK}	0.025	kW
Other items			
Capacity control	variable		
Sound power level, indoor / outdoor measured	L_{WA}	88	dB
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh
GWP of the refrigerant		2088	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: PURY-EP450YNW-A1/TR (-BS) Indoor: PEFY-P63VMA3-E×4 units, PEFY-P50VMA3-E×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	$\eta_{s,c}$	261.0	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio 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	3.61	%
$T_j = +30\text{ °C}$	P_{dc}	36.84	kW	$T_j = +30\text{ °C}$	EER_d	4.37	%
$T_j = +25\text{ °C}$	P_{dc}	23.68	kW	$T_j = +25\text{ °C}$	EER_d	7.42	%
$T_j = +20\text{ °C}$	P_{dc}	12.70	kW	$T_j = +20\text{ °C}$	EER_d	15.50	%
Degradation efficient air	$co-C_d$	0.25	-				
Power consumption in modes other than 'active mode'				Crankcase heater mode			
Off mode	P_{OFF}	0.076	kW	Standby mode	P_{SB}	0.028	kW
Thermostat-off mode	P_{TO}	0.028	kW			0.076	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	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		2088	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: PURY-EP450YNW-A1/TR (-BS) Indoor: PEFY-P63VMA3-E×4 units, PEFY-P50VMA3-E×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
Rated heating capacity	$P_{rated,h}$	50.00	kW
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j			
$T_j = -7\text{ °C}$	P_{dh}	25.26	kW
$T_j = +2\text{ °C}$	P_{dh}	15.38	kW
$T_j = +7\text{ °C}$	P_{dh}	9.89	kW
$T_j = +12\text{ °C}$	P_{dh}	9.00	kW
$T_j = \text{bivalent temperature}$	P_{dh}	28.56	kW
$T_j = \text{operation limit}$	P_{dh}	22.40	kW
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	P_{dh}	-	kW
Bivalent temperature	T_{biv}	-10.0	°C
Degradation coefficient of heat pumps**	C_{dh}	0.25	-
Power consumption in modes other than 'active mode'			
Off mode	P_{OFF}	0.076	kW
Thermostat-off mode	P_{TO}	0.139	kW
Crankcase heater mode	P_{CK}	0.028	kW
Other items			
Capacity control	variable		
Sound power level, indoor / outdoor measured	L_{WA}	89	dB
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh
GWP of the refrigerant		2088	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: PURY-EP500YNW-A1/TR (-BS) Indoor: PEFY-P63VMA3-E×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	$\eta_{s,c}$	256.0	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio 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	3.02	%
$T_j = +30\text{ °C}$	P_{dc}	41.26	kW	$T_j = +30\text{ °C}$	EER_d	4.01	%
$T_j = +25\text{ °C}$	P_{dc}	26.53	kW	$T_j = +25\text{ °C}$	EER_d	7.83	%
$T_j = +20\text{ °C}$	P_{dc}	14.16	kW	$T_j = +20\text{ °C}$	EER_d	16.08	%
Degradation efficient air	$co-C_d$	0.25	-				
Power consumption in modes other than 'active mode'				Crankcase heater mode			
Off mode	P_{OFF}	0.076	kW	Standby mode	P_{SB}	0.076	kW
Thermostat-off mode	P_{TO}	0.028	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	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		2088	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: PURY-EP500YNW-A1/TR (-BS) Indoor: PEFY-P63VMA3-E×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	$P_{rated,h}$	56.00	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	161.0	%
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}	28.42	kW	$T_j = -7\text{ °C}$	COP_d	2.71	%
$T_j = +2\text{ °C}$	P_{dh}	17.30	kW	$T_j = +2\text{ °C}$	COP_d	3.54	%
$T_j = +7\text{ °C}$	P_{dh}	11.12	kW	$T_j = +7\text{ °C}$	COP_d	6.59	%
$T_j = +12\text{ °C}$	P_{dh}	10.10	kW	$T_j = +12\text{ °C}$	COP_d	7.27	%
$T_j = \text{bivalent temperature}$	P_{dh}	32.13	kW	$T_j = \text{bivalent temperature}$	COP_d	2.02	%
$T_j = \text{operation limit}$	P_{dh}	25.20	kW	$T_j = \text{operation limit}$	COP_d	2.01	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	P_{dh}	-	kW	For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	COP_d	-	%
Bivalent temperature	T_{biv}	-10.0	°C	For water-to-air heat pumps: Operation limit temperature	T_{ol}	-	°C
Degradation coefficient of heat pumps**	C_{dh}	0.25	-				
Power consumption in modes other than 'active mode'				Supplementary heater			
Off mode	P_{OFF}	0.076	kW	Electric back-up heating capacity *	e_{lbu}	0.000	kW
Thermostat-off mode	P_{TO}	0.147	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0.028	kW	Standby mode	P_{SB}	0.153	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}	84	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 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: PURY-EP550YNW-A1/TR (-BS) Indoor: PEFY-P71VMA3-E×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	$P_{rated,c}$	63.00	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	245.0	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j = +35\text{ °C}$	P_{dc}	63.00	kW	$T_j = +35\text{ °C}$	EER_d	2.86	%
$T_j = +30\text{ °C}$	P_{dc}	46.42	kW	$T_j = +30\text{ °C}$	EER_d	3.75	%
$T_j = +25\text{ °C}$	P_{dc}	29.84	kW	$T_j = +25\text{ °C}$	EER_d	7.50	%
$T_j = +20\text{ °C}$	P_{dc}	14.21	kW	$T_j = +20\text{ °C}$	EER_d	15.62	%
Degradation efficient air	$co-C_d$	0.25	-				
Power consumption in modes other than 'active mode'				Crankcase heater mode			
Off mode	P_{OFF}	0.076	kW	Standby mode	P_{SB}	0.028	kW
Thermostat-off mode	P_{TO}	0.028	kW			0.076	kW
Other items				For air-to-air air conditioner: Nominal air flow rate, outdoor measured			
Capacity control	variable					19500	m ³ /h
Sound power level, outdoor	L_{WA}	83	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		2088	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 : PURY-EP550YNW-A1/TR (-BS) Indoor : PEFY-P71VMA3-E×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	$P_{rated,h}$	63.00	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	161.0	%
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}	31.14	kW	$T_j = -7\text{ °C}$	COP_d	2.81	%
$T_j = +2\text{ °C}$	P_{dh}	18.95	kW	$T_j = +2\text{ °C}$	COP_d	3.61	%
$T_j = +7\text{ °C}$	P_{dh}	12.18	kW	$T_j = +7\text{ °C}$	COP_d	6.21	%
$T_j = +12\text{ °C}$	P_{dh}	10.10	kW	$T_j = +12\text{ °C}$	COP_d	6.85	%
$T_j = \text{bivalent temperature}$	P_{dh}	35.19	kW	$T_j = \text{bivalent temperature}$	COP_d	1.96	%
$T_j = \text{operation limit}$	P_{dh}	27.60	kW	$T_j = \text{operation limit}$	COP_d	1.86	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	P_{dh}	-	kW	For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	COP_d	-	%
Bivalent temperature	T_{biv}	-10.0	°C	For water-to-air heat pumps: Operation limit temperature	T_{ol}	-	°C
Degradation coefficient of heat pumps**	C_{dh}	0.25	-				
Power consumption in modes other than 'active mode'				Supplementary heater			
Off mode	P_{OFF}	0.076	kW	Electric back-up heating capacity *	e_{lbu}	0.000	kW
Thermostat-off mode	P_{TO}	0.147	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0.028	kW	Standby mode	P_{SB}	0.153	kW
Other items							
Capacity control	variable			For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	25200	m ³ /h
Sound power level, indoor / outdoor measured	L_{WA}	89	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 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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