

PRODUCT INFORMATION
PURY-M * * * YXM-A(-BS)
PURY-EM * * * YXM-A/TR(-BS)
For Europe Regulation

PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates: Outdoor: PURY-M200YXM-A(-BS) Indoor: PEFY-MS50VMA-A1×4 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	$\eta_{s,c}$	305.8	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio 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	4.05	%
$T_j = +30\text{ °C}$	P_{dc}	16.51	kW	$T_j = +30\text{ °C}$	EER_d	6.22	%
$T_j = +25\text{ °C}$	P_{dc}	12.21	kW	$T_j = +25\text{ °C}$	EER_d	10.12	%
$T_j = +20\text{ °C}$	P_{dc}	12.70	kW	$T_j = +20\text{ °C}$	EER_d	13.88	%
Degradation co-efficient air conditioners**	C_{dc}	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							
Capacity control	variable			For air-to-air air conditioner: Nominal air flow rate, outdoor measured	-	10200	m³/h
Sound power level, outdoor	L_{WA}	75	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		675	kg CO ₂ eq (100 years)				
Contact details	MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. 700/406 MOO 7, TAMBON DON HUA ROH, AMPHUR MUANG, CHONBURI 20000, THAILAND						
** If C_{dc} 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-M200YXM-A(-BS) Indoor: PEFY-MS50VMA-A1×4 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	$\eta_{s,h}$	184.6	%
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}	10.11	kW	$T_j = -7\text{ °C}$	COP_d	2.80	%
$T_j = +2\text{ °C}$	P_{dh}	6.40	kW	$T_j = +2\text{ °C}$	COP_d	5.10	%
$T_j = +7\text{ °C}$	P_{dh}	7.44	kW	$T_j = +7\text{ °C}$	COP_d	6.36	%
$T_j = +12\text{ °C}$	P_{dh}	8.87	kW	$T_j = +12\text{ °C}$	COP_d	7.70	%
$T_j = \text{bivalent temperature}$	P_{dh}	11.43	kW	$T_j = \text{bivalent temperature}$	COP_d	2.09	%
$T_j = \text{operation limit}$	P_{dh}	11.43	kW	$T_j = \text{operation limit}$	COP_d	2.09	%
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 co-efficient 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 *	el_{bu}	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 fuel input GCV				
GWP of the refrigerant		675	kg CO ₂ eq (100 years)				
Contact details	MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. 700/406 MOO 7, TAMBON DON HUA ROH, AMPHUR MUANG, CHONBURI 20000, THAILAND						
** If C_{dh} 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-M250YXM-A(-BS) Indoor: PEFY-MS63VMA-A1×4 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	$\eta_{s,c}$	291.8	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio 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	3.59	%
$T_j = +30\text{ °C}$	P_{dc}	20.63	kW	$T_j = +30\text{ °C}$	EER_d	5.38	%
$T_j = +25\text{ °C}$	P_{dc}	13.26	kW	$T_j = +25\text{ °C}$	EER_d	9.44	%
$T_j = +20\text{ °C}$	P_{dc}	12.53	kW	$T_j = +20\text{ °C}$	EER_d	14.23	%
Degradation co-efficient air conditioners**	C_{dc}	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							
Capacity control	variable			For air-to-air air conditioner: Nominal air flow rate, outdoor measured	-	10200	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		675	kg CO ₂ eq (100 years)				
Contact details	MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. 700/406 MOO 7, TAMBON DON HUA ROH, AMPHUR MUANG, CHONBURI 20000, THAILAND						
** If C_{dc} 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-M250YXM-A(-BS) Indoor: PEFY-MS63VMA-A1×4 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	$\eta_{s,h}$	183.4	%
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j				Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j = -7\text{ °C}$	P_{dh}	12.63	kW	$T_j = -7\text{ °C}$	COP_d	2.68	%
$T_j = +2\text{ °C}$	P_{dh}	7.69	kW	$T_j = +2\text{ °C}$	COP_d	4.89	%
$T_j = +7\text{ °C}$	P_{dh}	7.39	kW	$T_j = +7\text{ °C}$	COP_d	6.46	%
$T_j = +12\text{ °C}$	P_{dh}	8.92	kW	$T_j = +12\text{ °C}$	COP_d	7.92	%
$T_j =$ bivalent temperature	P_{dh}	14.28	kW	$T_j =$ bivalent temperature	COP_d	2.00	%
$T_j =$ operation limit	P_{dh}	14.28	kW	$T_j =$ operation limit	COP_d	2.00	%
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 co-efficient 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 *	$elbu$	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}	79	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 fuel input GCV				
GWP of the refrigerant		675	kg CO ₂ eq (100 years)				
Contact details	MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. 700/406 MOO 7, TAMBON DON HUA ROH, AMPHUR MUANG, CHONBURI 20000, THAILAND						
** If C_{dh} 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-M300YXM-A(-BS) Indoor: PEFY-MS50VMA-A1×6 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	$\eta_{s,c}$	303.4	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j = +35\text{ °C}$	P_{dc}	33.50	kW	$T_j = +35\text{ °C}$	EER_d	3.55	%
$T_j = +30\text{ °C}$	P_{dc}	24.68	kW	$T_j = +30\text{ °C}$	EER_d	5.56	%
$T_j = +25\text{ °C}$	P_{dc}	15.87	kW	$T_j = +25\text{ °C}$	EER_d	9.58	%
$T_j = +20\text{ °C}$	P_{dc}	13.28	kW	$T_j = +20\text{ °C}$	EER_d	16.00	%
Degradation co-efficient air conditioners**	C_{dc}	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							
Capacity control	variable			For air-to-air air conditioner: Nominal air flow rate, outdoor measured	-	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		675	kg CO ₂ eq (100 years)				
Contact details	MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. 700/406 MOO 7, TAMBON DON HUA ROH, AMPHUR MUANG, CHONBURI 20000, THAILAND						
** If C_{dc} 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-M300YXM-A(-BS) Indoor: PEFY-MS50VMA-A1×6 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	$\eta_{s,h}$	183.4	%
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j				Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j = -7\text{ °C}$	P_{dh}	15.13	kW	$T_j = -7\text{ °C}$	COP_d	2.62	%
$T_j = +2\text{ °C}$	P_{dh}	9.21	kW	$T_j = +2\text{ °C}$	COP_d	4.76	%
$T_j = +7\text{ °C}$	P_{dh}	7.42	kW	$T_j = +7\text{ °C}$	COP_d	6.69	%
$T_j = +12\text{ °C}$	P_{dh}	9.01	kW	$T_j = +12\text{ °C}$	COP_d	8.31	%
$T_j =$ bivalent temperature	P_{dh}	17.10	kW	$T_j =$ bivalent temperature	COP_d	1.87	%
$T_j =$ operation limit	P_{dh}	17.10	kW	$T_j =$ operation limit	COP_d	1.87	%
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 co-efficient 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 *	$elbu$	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	-	12600	m ³ /h
Sound power level, indoor / outdoor measured	L_{WA}	83	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 fuel input GCV				
GWP of the refrigerant		675	kg CO _{2 eq} (100 years)				
Contact details	MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. 700/406 MOO 7, TAMBON DON HUA ROH, AMPHUR MUANG, CHONBURI 20000, THAILAND						
** If C_{dh} 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-M350YXM-A(-BS) Indoor: PEFY-MS63VMA-A1×4 units, PEFY-MS50VMA-A1×2 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	$\eta_{s,c}$	312.6	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j = +35\text{ °C}$	P_{dc}	40.00	kW	$T_j = +35\text{ °C}$	EER_d	3.44	%
$T_j = +30\text{ °C}$	P_{dc}	29.47	kW	$T_j = +30\text{ °C}$	EER_d	5.42	%
$T_j = +25\text{ °C}$	P_{dc}	18.95	kW	$T_j = +25\text{ °C}$	EER_d	9.92	%
$T_j = +20\text{ °C}$	P_{dc}	13.35	kW	$T_j = +20\text{ °C}$	EER_d	18.63	%
Degradation co-efficient air conditioners**	C_{dc}	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							
Capacity control	variable			For air-to-air air conditioner: Nominal air flow rate, outdoor measured	-	12000	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		675	kg CO ₂ eq (100 years)				
Contact details	MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. 700/406 MOO 7, TAMBON DON HUA ROH, AMPHUR MUANG, CHONBURI 20000, THAILAND						
** If C_{dc} 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-M350YXM-A(-BS) Indoor:PEFY-MS63VMA-A1×4 units, PEFY-MS50VMA-A1×2 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	$P_{rated,h}$	40.00	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	185.4	%
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j				Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j = -7\text{ °C}$	P_{dh}	18.06	kW	$T_j = -7\text{ °C}$	COP_d	2.51	%
$T_j = +2\text{ °C}$	P_{dh}	10.99	kW	$T_j = +2\text{ °C}$	COP_d	4.75	%
$T_j = +7\text{ °C}$	P_{dh}	7.73	kW	$T_j = +7\text{ °C}$	COP_d	6.95	%
$T_j = +12\text{ °C}$	P_{dh}	9.33	kW	$T_j = +12\text{ °C}$	COP_d	8.61	%
$T_j =$ bivalent temperature	P_{dh}	20.41	kW	$T_j =$ bivalent temperature	COP_d	1.80	%
$T_j =$ operation limit	P_{dh}	20.41	kW	$T_j =$ operation limit	COP_d	1.80	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)				For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)			
	P_{dh}	-	kW		COP_d	-	%
Bivalent temperature	T_{biv}	-10.0	°C	For water-to-air heat pumps: Operation limit temperature	T_{ol}	-	°C
Degradation co-efficient heat pumps**	C_{dh}	0.25	-				
Power consumption in modes other than 'active mode'				Supplementary heater			
Off mode	P_{OFF}	0.068	kW	Electric back-up heating capacity *	$elbu$	0.000	kW
Thermostat-off mode	P_{TO}	0.130	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0.025	kW	Standby mode	P_{SB}	0.145	kW
Other items							
Capacity control	variable			For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	12600	m ³ /h
Sound power level, indoor / outdoor measured	L_{WA}	82	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 fuel input GCV				
GWP of the refrigerant		675	kg CO _{2 eq} (100 years)				
Contact details	MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. 700/406 MOO 7, TAMBON DON HUA ROH, AMPHUR MUANG, CHONBURI 20000, THAILAND						
** If C_{dh} 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-M400YXM-A(-BS) Indoor: PEFY-MS71VMA-A1×2 units, PEFY-MS63VMA-A1×4 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	$\eta_{s,c}$	298.2	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j = +35\text{ °C}$	P_{dc}	45.00	kW	$T_j = +35\text{ °C}$	EER_d	3.36	%
$T_j = +30\text{ °C}$	P_{dc}	33.16	kW	$T_j = +30\text{ °C}$	EER_d	5.21	%
$T_j = +25\text{ °C}$	P_{dc}	21.32	kW	$T_j = +25\text{ °C}$	EER_d	8.89	%
$T_j = +20\text{ °C}$	P_{dc}	14.47	kW	$T_j = +20\text{ °C}$	EER_d	18.56	%
Degradation co-efficient air conditioners**	C_{dc}	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							
Capacity control	variable			For air-to-air air conditioner: Nominal air flow rate, outdoor measured	-	13800	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		675	kg CO ₂ eq (100 years)				
Contact details	MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. 700/406 MOO 7, TAMBON DON HUA ROH, AMPHUR MUANG, CHONBURI 20000, THAILAND						
** If C_{dc} 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-M400YXM-A(-BS) Indoor: PEFY-MS71VMA-A1×2 units, PEFY-MS63VMA-A1×4 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	$P_{rated,h}$	45.00	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	179.4	%
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j				Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j = -7\text{ °C}$	P_{dh}	20.31	kW	$T_j = -7\text{ °C}$	COP_d	2.49	%
$T_j = +2\text{ °C}$	P_{dh}	12.36	kW	$T_j = +2\text{ °C}$	COP_d	4.46	%
$T_j = +7\text{ °C}$	P_{dh}	8.99	kW	$T_j = +7\text{ °C}$	COP_d	7.02	%
$T_j = +12\text{ °C}$	P_{dh}	10.52	kW	$T_j = +12\text{ °C}$	COP_d	8.73	%
$T_j =$ bivalent temperature	P_{dh}	22.96	kW	$T_j =$ bivalent temperature	COP_d	1.75	%
$T_j =$ operation limit	P_{dh}	22.96	kW	$T_j =$ operation limit	COP_d	1.75	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)				For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)			
	P_{dh}	-	kW		COP_d	-	%
Bivalent temperature	T_{biv}	-10.0	°C	For water-to-air heat pumps: Operation limit temperature			
					T_{ol}	-	°C
Degradation co-efficient heat pumps**							
	C_{dh}	0.25	-	Supplementary heater			
Power consumption in modes other than 'active mode'				Electric back-up heating capacity *			
Off mode	P_{OFF}	0.068	kW	Type of energy input	el_{bu}	0.000	kW
Thermostat-off mode	P_{TO}	0.130	kW	Standby mode	P_{SB}	0.145	kW
Crankcase heater mode	P_{CK}	0.025	kW				
Other items							
Capacity control	variable			For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	15600	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 fuel input GCV				
GWP of the refrigerant		675	kg CO _{2 eq} (100 years)				
Contact details	MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. 700/406 MOO 7, TAMBON DON HUA ROH, AMPHUR MUANG, CHONBURI 20000, THAILAND						
** If C_{dh} 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-M450YXM-A(-BS) Indoor: PEFY-MS63VMA-A1×4 units, PEFY-MS50VMA-A1×4 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	$\eta_{s,c}$	294.2	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j = +35\text{ °C}$	P_{dc}	50.00	kW	$T_j = +35\text{ °C}$	EER_d	3.23	%
$T_j = +30\text{ °C}$	P_{dc}	36.84	kW	$T_j = +30\text{ °C}$	EER_d	5.06	%
$T_j = +25\text{ °C}$	P_{dc}	23.68	kW	$T_j = +25\text{ °C}$	EER_d	8.73	%
$T_j = +20\text{ °C}$	P_{dc}	14.66	kW	$T_j = +20\text{ °C}$	EER_d	19.17	%
Degradation co-efficient air conditioners**							
	C_{dc}	0.25	-				
Power consumption in modes other than 'active mode'							
Off mode	P_{OFF}	0.076	kW	Crankcase heater mode	P_{CK}	0.028	kW
Thermostat-off mode	P_{TO}	0.028	kW	Standby mode	P_{SB}	0.076	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: Nominal air flow rate, outdoor measured	-	15000	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		675	kg CO ₂ eq (100 years)				
Contact details	MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. 700/406 MOO 7, TAMBON DON HUA ROH, AMPHUR MUANG, CHONBURI 20000, THAILAND						
** If C_{dc} 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-M450YXM-A(-BS) Indoor: PEFY-MS63VMA-A1×4 units, PEFY-MS50VMA-A1×4 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	$P_{rated,h}$	50.00	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	175.0	%
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}	22.56	kW	$T_j = -7\text{ °C}$	COP_d	2.43	%
$T_j = +2\text{ °C}$	P_{dh}	13.73	kW	$T_j = +2\text{ °C}$	COP_d	4.22	%
$T_j = +7\text{ °C}$	P_{dh}	8.89	kW	$T_j = +7\text{ °C}$	COP_d	7.09	%
$T_j = +12\text{ °C}$	P_{dh}	10.53	kW	$T_j = +12\text{ °C}$	COP_d	8.86	%
$T_j =$ bivalent temperature	P_{dh}	25.50	kW	$T_j =$ bivalent temperature	COP_d	1.68	%
$T_j =$ operation limit	P_{dh}	25.50	kW	$T_j =$ operation limit	COP_d	1.68	%
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 co-efficient 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 *	$elbu$	0.000	kW
Thermostat-off mode	P_{TO}	0.139	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	-	18000	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 fuel input GCV				
GWP of the refrigerant		675	kg CO ₂ eq (100 years)				
Contact details	MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. 700/406 MOO 7, TAMBON DON HUA ROH, AMPHUR MUANG, CHONBURI 20000, THAILAND						
** If C_{dh} 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-M500YXM-A(-BS) Indoor: PEFY-MS63VMA-A1×8 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	$\eta_{s,c}$	277.0	%
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	2.84	%
$T_j = +30\text{ °C}$	P_{dc}	41.26	kW	$T_j = +30\text{ °C}$	EER_d	4.70	%
$T_j = +25\text{ °C}$	P_{dc}	26.53	kW	$T_j = +25\text{ °C}$	EER_d	8.11	%
$T_j = +20\text{ °C}$	P_{dc}	14.71	kW	$T_j = +20\text{ °C}$	EER_d	19.19	%
Degradation co-efficient air conditioners**	C_{dc}	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							
Capacity control	variable			For air-to-air air conditioner: Nominal air flow rate, outdoor measured	-	18300	m ³ /h
Sound power level, outdoor	L_{WA}	87	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		675	kg CO ₂ eq (100 years)				
Contact details	MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. 700/406 MOO 7, TAMBON DON HUA ROH, AMPHUR MUANG, CHONBURI 20000, THAILAND						
** If C_{dc} 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-M500YXM-A(-BS) Indoor: PEFY-MS63VMA-A1×8 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	$\eta_{s,h}$	171.0	%
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}	25.26	kW	$T_j = -7\text{ °C}$	COP_d	2.35	%
$T_j = +2\text{ °C}$	P_{dh}	15.37	kW	$T_j = +2\text{ °C}$	COP_d	4.05	%
$T_j = +7\text{ °C}$	P_{dh}	9.88	kW	$T_j = +7\text{ °C}$	COP_d	7.16	%
$T_j = +12\text{ °C}$	P_{dh}	10.54	kW	$T_j = +12\text{ °C}$	COP_d	9.12	%
$T_j =$ bivalent temperature	P_{dh}	28.55	kW	$T_j =$ bivalent temperature	COP_d	1.77	%
$T_j =$ operation limit	P_{dh}	28.55	kW	$T_j =$ operation limit	COP_d	1.77	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)				For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)			
	P_{dh}	-	kW		COP_d	-	%
Bivalent temperature	T_{biv}	-10.0	°C	For water-to-air heat pumps: Operation limit temperature	T_{ol}	-	°C
Degradation co-efficient heat pumps**	C_{dh}	0.25	-				
Power consumption in modes other than 'active mode'				Supplementary heater			
Off mode	P_{OFF}	0.076	kW	Electric back-up heating capacity *	$elbu$	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	-	18300	m ³ /h
Sound power level, indoor / outdoor measured	L_{WA}	91	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 fuel input GCV				
GWP of the refrigerant		675	kg CO ₂ eq (100 years)				
Contact details	MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. 700/406 MOO 7, TAMBON DON HUA ROH, AMPHUR MUANG, CHONBURI 20000, THAILAND						
** If C_{dh} 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-EM200YXM-A/TR(-BS) Indoor:PEFY-MS50VMA-A1×4 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	$\eta_{s,c}$	345.0	%
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	4.65	%
$T_j = +30\text{ °C}$	P_{dc}	16.51	kW	$T_j = +30\text{ °C}$	EER_d	6.81	%
$T_j = +25\text{ °C}$	P_{dc}	12.21	kW	$T_j = +25\text{ °C}$	EER_d	11.48	%
$T_j = +20\text{ °C}$	P_{dc}	12.70	kW	$T_j = +20\text{ °C}$	EER_d	16.74	%
Degradation co-efficient air conditioners**	C_{dc}	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							
Capacity control	variable			For air-to-air air conditioner: Nominal air flow rate, outdoor measured	-	10200	m ³ /h
Sound power level, outdoor	L_{WA}	75	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		675	kg CO ₂ eq (100 years)				
Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66, Tebira 6 Chome, Wakayama-City 640-8686, Japan						
** If C_{dc} 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-EM200YXM-A/TR(-BS) Indoor: PEFY-MS50VMA-A1×4 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	$P_{rated,h}$	22.40	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	185.0	%
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}	10.11	kW	$T_j = -7\text{ °C}$	COP_d	2.80	%
$T_j = +2\text{ °C}$	P_{dh}	6.40	kW	$T_j = +2\text{ °C}$	COP_d	5.11	%
$T_j = +7\text{ °C}$	P_{dh}	7.44	kW	$T_j = +7\text{ °C}$	COP_d	6.38	%
$T_j = +12\text{ °C}$	P_{dh}	8.87	kW	$T_j = +12\text{ °C}$	COP_d	7.73	%
$T_j = \text{bivalent temperature}$	P_{dh}	11.43	kW	$T_j = \text{bivalent temperature}$	COP_d	2.09	%
$T_j = \text{operation limit}$	P_{dh}	11.43	kW	$T_j = \text{operation limit}$	COP_d	2.09	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)				For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)			
	P_{dh}	-	kW		COP_d	-	%
Bivalent temperature	T_{biv}	-10.0	°C	For water-to-air heat pumps: Operation limit temperature			
					T_{ol}	-	°C
Degradation co-efficient heat pumps**	C_{dh}	0.25	-				
Power consumption in modes other than 'active mode'				Supplementary heater			
Off mode	P_{OFF}	0.048	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 fuel input GCV				
GWP of the refrigerant		675	kg CO ₂ eq (100 years)				
Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66, Tebira 6 Chome, Wakayama-City 640-8686, Japan						
** If C_{dh} 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-EM250YXM-A/TR(-BS) Indoor:PEFY-MS63VMA-A1×4 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	$\eta_{s,c}$	331.4	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j = +35\text{ °C}$	P_{dc}	28.00	kW	$T_j = +35\text{ °C}$	EER_d	4.11	%
$T_j = +30\text{ °C}$	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	10.78	%
$T_j = +20\text{ °C}$	P_{dc}	12.53	kW	$T_j = +20\text{ °C}$	EER_d	17.03	%
Degradation co-efficient air conditioners**	C_{dc}	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							
Capacity control	variable			For air-to-air air conditioner: Nominal air flow rate, outdoor measured	-	10200	m³/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		675	kg CO ₂ eq (100 years)				
Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66, Tebira 6 Chome, Wakayama-City 640-8686, Japan						
** If C_{dc} 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-EM250YXM-A/TR(-BS) Indoor: PEFY-MS63VMA-A1×4 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	$\eta_{s,h}$	184.2	%
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j				Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j = -7\text{ °C}$	P_{dh}	12.63	kW	$T_j = -7\text{ °C}$	COP_d	2.68	%
$T_j = +2\text{ °C}$	P_{dh}	7.69	kW	$T_j = +2\text{ °C}$	COP_d	4.94	%
$T_j = +7\text{ °C}$	P_{dh}	7.39	kW	$T_j = +7\text{ °C}$	COP_d	6.46	%
$T_j = +12\text{ °C}$	P_{dh}	8.92	kW	$T_j = +12\text{ °C}$	COP_d	7.92	%
$T_j =$ bivalent temperature	P_{dh}	14.28	kW	$T_j =$ bivalent temperature	COP_d	2.00	%
$T_j =$ operation limit	P_{dh}	14.28	kW	$T_j =$ operation limit	COP_d	2.00	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)				For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)			
	P_{dh}	-	kW		COP_d	-	%
Bivalent temperature	T_{biv}	-10.0	°C	For water-to-air heat pumps: Operation limit temperature			
					T_{ol}	-	°C
Degradation co-efficient heat pumps**							
	C_{dh}	0.25	-	Supplementary heater			
Power consumption in modes other than 'active mode'				Electric back-up heating capacity *			
Off mode	P_{OFF}	0.048	kW	Type of energy input	el_{bu}	0.000	kW
Thermostat-off mode	P_{TO}	0.110	kW	Standby mode	P_{SB}	0.125	kW
Crankcase heater mode	P_{CK}	0.018	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}	79	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 fuel input GCV				
GWP of the refrigerant		675	kg CO ₂ eq (100 years)				
Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66, Tebira 6 Chome, Wakayama-City 640-8686, Japan						
** If C_{dh} 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-EM300YXM-A/TR(-BS) Indoor:PEFY-MS50VMA-A1×6 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	$\eta_{s,c}$	349.4	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j = +35\text{ °C}$	P_{dc}	33.50	kW	$T_j = +35\text{ °C}$	EER_d	4.12	%
$T_j = +30\text{ °C}$	P_{dc}	24.68	kW	$T_j = +30\text{ °C}$	EER_d	6.22	%
$T_j = +25\text{ °C}$	P_{dc}	15.87	kW	$T_j = +25\text{ °C}$	EER_d	11.17	%
$T_j = +20\text{ °C}$	P_{dc}	13.28	kW	$T_j = +20\text{ °C}$	EER_d	19.47	%
Degradation co-efficient air conditioners**	C_{dc}	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							
Capacity control	variable			For air-to-air air conditioner: Nominal air flow rate, outdoor measured	-	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		675	kg CO ₂ eq (100 years)				
Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66, Tebira 6 Chome, Wakayama-City 640-8686, Japan						
** If C_{dc} 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-EM300YXM-A/TR(-BS) Indoor: PEFY-MS50VMA-A1×6 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	$\eta_{s,h}$	185.4	%
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j				Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j = -7\text{ °C}$	P_{dh}	15.13	kW	$T_j = -7\text{ °C}$	COP_d	2.62	%
$T_j = +2\text{ °C}$	P_{dh}	9.21	kW	$T_j = +2\text{ °C}$	COP_d	4.81	%
$T_j = +7\text{ °C}$	P_{dh}	7.42	kW	$T_j = +7\text{ °C}$	COP_d	6.79	%
$T_j = +12\text{ °C}$	P_{dh}	9.01	kW	$T_j = +12\text{ °C}$	COP_d	8.44	%
$T_j =$ bivalent temperature	P_{dh}	17.10	kW	$T_j =$ bivalent temperature	COP_d	1.87	%
$T_j =$ operation limit	P_{dh}	17.10	kW	$T_j =$ operation limit	COP_d	1.87	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)				For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)			
	P_{dh}	-	kW		COP_d	-	%
Bivalent temperature	T_{biv}	-10.0	°C	For water-to-air heat pumps: Operation limit temperature			
					T_{ol}	-	°C
Degradation co-efficient heat pumps**	C_{dh}	0.25	-				
Power consumption in modes other than 'active mode'				Supplementary heater			
Off mode	P_{OFF}	0.056	kW	Electric back-up heating capacity *	$elbu$	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	-	12000	m ³ /h
Sound power level, indoor / outdoor measured	L_{WA}	83	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 fuel input GCV				
GWP of the refrigerant		675	kg CO _{2 eq} (100 years)				
Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66, Tebira 6 Chome, Wakayama-City 640-8686, Japan						
** If C_{dh} 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-EM350YXM-A/TR(-BS) Indoor: PEFY-MS63VMA-A1×4 units, PEFY-MS50VMA-A1×2 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	$\eta_{s,c}$	327.8	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio 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	3.67	%
$T_j = +30\text{ °C}$	P_{dc}	29.47	kW	$T_j = +30\text{ °C}$	EER_d	5.60	%
$T_j = +25\text{ °C}$	P_{dc}	18.95	kW	$T_j = +25\text{ °C}$	EER_d	10.29	%
$T_j = +20\text{ °C}$	P_{dc}	13.35	kW	$T_j = +20\text{ °C}$	EER_d	20.49	%
Degradation co-efficient air conditioners**							
	C_{dc}	0.25	-				
Power consumption in modes other than 'active mode'							
Off mode	P_{OFF}	0.068	kW	Crankcase heater mode	P_{CK}	0.025	kW
Thermostat-off mode	P_{TO}	0.025	kW	Standby mode	P_{SB}	0.068	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: Nominal air flow rate, outdoor measured	-	12600	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		675	kg CO ₂ eq (100 years)				
Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66, Tebira 6 Chome, Wakayama-City 640-8686, Japan						
** If C_{dc} 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-EM350YXM-A/TR(-BS) Indoor: PEFY-MS63VMA-A1×4 units, PEFY-MS50VMA-A1×2 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	$P_{rated,h}$	40.00	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	185.8	%
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j				Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j = -7\text{ °C}$	P_{dh}	18.06	kW	$T_j = -7\text{ °C}$	COP_d	2.51	%
$T_j = +2\text{ °C}$	P_{dh}	10.99	kW	$T_j = +2\text{ °C}$	COP_d	4.77	%
$T_j = +7\text{ °C}$	P_{dh}	7.73	kW	$T_j = +7\text{ °C}$	COP_d	6.94	%
$T_j = +12\text{ °C}$	P_{dh}	9.33	kW	$T_j = +12\text{ °C}$	COP_d	8.67	%
$T_j = \text{bivalent temperature}$	P_{dh}	20.41	kW	$T_j = \text{bivalent temperature}$	COP_d	1.80	%
$T_j = \text{operation limit}$	P_{dh}	20.41	kW	$T_j = \text{operation limit}$	COP_d	1.80	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)				For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)			
	P_{dh}	-	kW		COP_d	-	%
Bivalent temperature	T_{biv}	-10.0	°C	For water-to-air heat pumps: Operation limit temperature	T_{ol}	-	°C
Degradation co-efficient heat pumps**	C_{dh}	0.25	-				
Power consumption in modes other than 'active mode'				Supplementary heater			
Off mode	P_{OFF}	0.068	kW	Electric back-up heating capacity *	$elbu$	0.000	kW
Thermostat-off mode	P_{TO}	0.130	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0.025	kW	Standby mode	P_{SB}	0.145	kW
Other items							
Capacity control	variable			For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	13200	m ³ /h
Sound power level, indoor / outdoor measured	L_{WA}	82	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 fuel input GCV				
GWP of the refrigerant		675	kg CO ₂ eq (100 years)				
Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66, Tebira 6 Chome, Wakayama-City 640-8686, Japan						
** If C_{dh} 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-EM400YXM-A/TR(-BS) Indoor: PEFY-MS71VMA-A1×2 units, PEFY-MS63VMA-A1×4 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	$\eta_{s,c}$	313.8	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio 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	3.58	%
$T_j = +30\text{ °C}$	P_{dc}	33.16	kW	$T_j = +30\text{ °C}$	EER_d	5.36	%
$T_j = +25\text{ °C}$	P_{dc}	21.32	kW	$T_j = +25\text{ °C}$	EER_d	9.23	%
$T_j = +20\text{ °C}$	P_{dc}	14.47	kW	$T_j = +20\text{ °C}$	EER_d	21.06	%
Degradation co-efficient air conditioners**							
	C_{dc}	0.25	-				
Power consumption in modes other than 'active mode'							
Off mode	P_{OFF}	0.068	kW	Crankcase heater mode	P_{CK}	0.025	kW
Thermostat-off mode	P_{TO}	0.025	kW	Standby mode	P_{SB}	0.068	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: Nominal air flow rate, outdoor measured	-	14400	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		675	kg CO ₂ eq (100 years)				
Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66, Tebira 6 Chome, Wakayama-City 640-8686, Japan						
** If C_{dc} 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-EM400YXM-A/TR(-BS) Indoor: PEFY-MS71VMA-A1×2 units, PEFY-MS63VMA-A1×4 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	$P_{rated,h}$	45.00	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	179.4	%
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j				Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
$T_j = -7\text{ °C}$	P_{dh}	20.31	kW	$T_j = -7\text{ °C}$	COP_d	2.49	%
$T_j = +2\text{ °C}$	P_{dh}	12.36	kW	$T_j = +2\text{ °C}$	COP_d	4.46	%
$T_j = +7\text{ °C}$	P_{dh}	8.99	kW	$T_j = +7\text{ °C}$	COP_d	7.02	%
$T_j = +12\text{ °C}$	P_{dh}	10.52	kW	$T_j = +12\text{ °C}$	COP_d	8.73	%
$T_j = \text{bivalent temperature}$	P_{dh}	22.96	kW	$T_j = \text{bivalent temperature}$	COP_d	1.75	%
$T_j = \text{operation limit}$	P_{dh}	22.96	kW	$T_j = \text{operation limit}$	COP_d	1.75	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)				For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)			
	P_{dh}	-	kW		COP_d	-	%
Bivalent temperature	T_{biv}	-10.0	°C	For water-to-air heat pumps: Operation limit temperature			
					T_{ol}	-	°C
Degradation co-efficient heat pumps**	C_{dh}	0.25	-				
Power consumption in modes other than 'active mode'				Supplementary heater			
Off mode	P_{OFF}	0.068	kW	Electric back-up heating capacity *	$elbu$	0.000	kW
Thermostat-off mode	P_{TO}	0.130	kW	Type of energy input			
Crankcase heater mode	P_{CK}	0.025	kW	Standby mode	P_{SB}	0.145	kW
Other items							
Capacity control	variable			For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	16200	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 fuel input GCV				
GWP of the refrigerant		675	kg CO ₂ eq (100 years)				
Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66, Tebira 6 Chome, Wakayama-City 640-8686, Japan						
** If C_{dh} 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-EM450YXM-A/TR(-BS) Indoor: PEFY-MS63VMA-A1×4 units, PEFY-MS50VMA-A1×4 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	$\eta_{s,c}$	309.8	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27°/19°C (dry/wet bulb)				Declared energy efficiency ratio 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	5.31	%
$T_j = +25\text{ °C}$	P_{dc}	23.68	kW	$T_j = +25\text{ °C}$	EER_d	9.05	%
$T_j = +20\text{ °C}$	P_{dc}	14.66	kW	$T_j = +20\text{ °C}$	EER_d	21.66	%
Degradation co-efficient air conditioners**							
	C_{dc}	0.25	-				
Power consumption in modes other than 'active mode'							
Off mode	P_{OFF}	0.076	kW	Crankcase heater mode	P_{CK}	0.028	kW
Thermostat-off mode	P_{TO}	0.028	kW	Standby mode	P_{SB}	0.076	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: Nominal air flow rate, outdoor measured	-	15600	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		675	kg CO ₂ eq (100 years)				
Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66, Tebira 6 Chome, Wakayama-City 640-8686, Japan						
** If C_{dc} 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-EM450YXM-A/TR(-BS) Indoor: PEFY-MS63VMA-A1×4 units, PEFY-MS50VMA-A1×4 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	$P_{rated,h}$	50.00	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	175.0	%
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}	22.56	kW	$T_j = -7\text{ °C}$	COP_d	2.43	%
$T_j = +2\text{ °C}$	P_{dh}	13.73	kW	$T_j = +2\text{ °C}$	COP_d	4.22	%
$T_j = +7\text{ °C}$	P_{dh}	8.89	kW	$T_j = +7\text{ °C}$	COP_d	7.09	%
$T_j = +12\text{ °C}$	P_{dh}	10.53	kW	$T_j = +12\text{ °C}$	COP_d	8.86	%
$T_j =$ bivalent temperature	P_{dh}	25.50	kW	$T_j =$ bivalent temperature	COP_d	1.68	%
$T_j =$ operation limit	P_{dh}	25.50	kW	$T_j =$ operation limit	COP_d	1.68	%
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 co-efficient 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 *	$elbu$	0.000	kW
Thermostat-off mode	P_{TO}	0.139	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	-	18600	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 fuel input GCV				
GWP of the refrigerant		675	kg CO ₂ eq (100 years)				
Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66, Tebira 6 Chome, Wakayama-City 640-8686, Japan						
** If C_{dh} 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-EM500YXM-A/TR(-BS) Indoor:PEFY-MS63VMA-A1×8 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	$\eta_{s,c}$	291.0	%
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	3.23	%
$T_j = +30\text{ °C}$	P_{dc}	41.26	kW	$T_j = +30\text{ °C}$	EER_d	4.79	%
$T_j = +25\text{ °C}$	P_{dc}	26.53	kW	$T_j = +25\text{ °C}$	EER_d	8.27	%
$T_j = +20\text{ °C}$	P_{dc}	14.71	kW	$T_j = +20\text{ °C}$	EER_d	21.55	%
Degradation co-efficient air conditioners**	C_{dc}	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							
Capacity control	variable			For air-to-air air conditioner: Nominal air flow rate, outdoor measured	-	18900	m ³ /h
Sound power level, outdoor	L_{WA}	87	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV				
GWP of the refrigerant		675	kg CO ₂ eq (100 years)				
Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66, Tebira 6 Chome, Wakayama-City 640-8686, Japan						
** If C_{dc} 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: <div style="display: flex; justify-content: space-around;"> Outdoor : PURY-EM500YXM-A/TR(-BS) Indoor : PEFY-MS63VMA-A1×8 units </div>							
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	$\eta_{s,h}$	171.0	%
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}	25.26	kW	$T_j = -7\text{ °C}$	COP_d	2.35	%
$T_j = +2\text{ °C}$	P_{dh}	15.37	kW	$T_j = +2\text{ °C}$	COP_d	4.04	%
$T_j = +7\text{ °C}$	P_{dh}	9.88	kW	$T_j = +7\text{ °C}$	COP_d	7.16	%
$T_j = +12\text{ °C}$	P_{dh}	10.54	kW	$T_j = +12\text{ °C}$	COP_d	9.10	%
$T_j =$ bivalent temperature	P_{dh}	28.55	kW	$T_j =$ bivalent temperature	COP_d	1.76	%
$T_j =$ operation limit	P_{dh}	28.55	kW	$T_j =$ operation limit	COP_d	1.76	%
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	P_{dh}	-	kW	For water-to-air heat pumps: $T_j = -15\text{ °C}$ (if $T_{OL} < -20\text{ °C}$)	COP_d	-	%
Bivalent temperature	T_{biv}	-10.0	°C	For water-to-air heat pumps: Operation limit temperature	T_{ol}	-	°C
Degradation co-efficient heat pumps**	C_{dh}	0.25	-				
Power consumption in modes other than 'active mode'				Supplementary heater			
Off mode	P_{OFF}	0.076	kW	Electric back-up heating capacity *	$elbu$	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	-	18900	m ³ /h
Sound power level, indoor / outdoor measured	L_{WA}	91	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 fuel input GCV				
GWP of the refrigerant		675	kg CO ₂ eq (100 years)				
Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66, Tebira 6 Chome, Wakayama-City 640-8686, Japan						
** If C_{dh} 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

KR79G252H01