PRODUCT INFORMATION

PUHY-EP＊＊＊YLM-A1(-BS)

For Europe Regulation

PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates to: Outdoor : PUHY-EP200YLM-A1(-BS) Indoor : PEFY-P50VMHS2-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	$\eta_{s,c}$	**308.2**	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27ºC/19ºC (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 ºC	Pdc	**22.40**	kW	T_j = +35 ºC	EER_d	**4.31**	~~%~~
T_j = + 30 ºC	Pdc	**16.51**	kW	T_j = + 30 ºC	EER_d	**7.00**	~~%~~
T_j = + 25 ºC	Pdc	**10.62**	kW	T_j = + 25 ºC	EER_d	**11.07**	~~%~~
T_j = + 20 ºC	Pdc	**8.53**	kW	T_j = + 20 ºC	EER_d	**12.54**	~~%~~
Degradation co-efficient air conditioners**	C_d	**0.25**	-				
Power consumption in modes other than 'active mode'							
Off mode	P_{OFF}	**0.000**	kW	Crankcase heater mode	P_{CK}	**0.044**	kW
Thermostat-off mode	P_{TO}	**0.068**	kW	Standby mode	P_{SB}	**0.063**	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: Nominal air flow rate, outdoor measured	-	**10500**	m^3/h
Sound power level, outdoor	L_{WA}	**79.5**	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 manufacture 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 to:
Outdoor : PUHY-EP200YLM-A1(-BS) Indoor : PEFY-P50VMHS2-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
Rated heating capacity	$P_{rated,h}$	**25.00**	kW
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j			
T_j = - 7 ºC	Pdh	**22.00**	kW
T_j = + 2 ºC	Pdh	**13.45**	kW
T_j = + 7 ºC	Pdh	**8.65**	kW
T_j = + 12 ºC	Pdh	**5.91**	kW
T_j = bivalent temperature	Pdh	**19.23**	kW
T_j = operation limit	Pdh	**17.00**	kW
For air-to-water heat pumps: T_j = - 15 ºC (if T_{OL} < - 20 ºC)	Pdh	**-**	kW
Bivalent temperature	T_{biv}	**-4.0**	ºC
Degradation co-efficient heat pumps**	C_{dh}	**0.25**	-
Power consumption in modes other than 'active mode'			
Off mode	P_{OFF}	**0.063**	kW
Thermostat-off mode	P_{TO}	**0.068**	kW
Crankcase heater mode	P_{CK}	**0.044**	kW
Other items			
Capacity control	variable		
Sound power level, indoor / outdoor measured	L_{WA}	**79.5**	dB
Emissions of nitrogen oxides (if applicable)	NO_x	**-**	mg/kWh
GWP of the refrigerant		2088	kg $CO_{2\,ep}$ (100 years)

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	$\eta_{s,h}$	**165.0**	%
Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j = - 7 ºC	COP_d	**2.77**	~~%~~
T_j = + 2 ºC	COP_d	**3.67**	~~%~~
T_j = + 7 ºC	COP_d	**6.79**	~~%~~
T_j = + 12 ºC	COP_d	**9.84**	~~%~~
T_j = bivalent temperature	COP_d	**2.94**	~~%~~
T_j = operation limit	COP_d	**2.25**	~~%~~
For water-to-air heat pumps: T_j = - 15 ºC (if T_{OL} < -20 ºC)	COP_d	**-**	~~%~~
For water-to-air heat pumps: Operation limit temperature	T_{ol}	**-**	ºC
Supplementary heater			
Electric back-up heating capacity *	elbu	**0.000**	kW
Type of energy input			
Standby mode	P_{SB}	**0.063**	kW
For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	**10500**	m³/h
For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	**-**	m³/h

Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66,Tebira 6 Chome,Wakayama-City 640-8686,Japan

** If C_d is not determined by measurement then the default degradation coefficient air conditioners shall be 0.25. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacture 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 to: Outdoor : PUHY-EP250YLM-A1(-BS) Indoor : PEFY-P63VMHS2-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	$\eta_{s,c}$	**317.0**	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27ºC/19ºC (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 ºC	Pdc	**28.00**	kW	T_j = +35 ºC	EER_d	**4.06**	~~%~~
T_j = + 30 ºC	Pdc	**20.65**	kW	T_j = + 30 ºC	EER_d	**6.76**	~~%~~
T_j = + 25 ºC	Pdc	**13.28**	kW	T_j = + 25 ºC	EER_d	**11.38**	~~%~~
T_j = + 20 ºC	Pdc	**10.09**	kW	T_j = + 20 ºC	EER_d	**12.99**	~~%~~
Degradation co-efficient air conditioners**	C_d	**0.25**	-				
Power consumption in modes other than 'active mode'							
Off mode	P_{OFF}	**0.000**	kW	Crankcase heater mode	P_{CK}	**0.044**	kW
Thermostat-off mode	P_{TO}	**0.068**	kW	Standby mode	P_{SB}	**0.063**	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: Nominal air flow rate, outdoor measured	-	**10500**	m^3/h
Sound power level, outdoor	L_{WA}	**80.0**	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	**-**	mg/kWh fuel input GCV				
GWP of the refrigerant		2088	kg $CO_{2\,ep}$ (100 years)				
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** 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 manufacture or importer.							

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PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates to:
Outdoor : PUHY-EP250YLM-A1(-BS) Indoor : PEFY-P63VMHS2-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	$P_{rated,h}$	**31.50**	kW
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j			
T_j = - 7 ºC	Pdh	**23.01**	kW
T_j = + 2 ºC	Pdh	**16.96**	kW
T_j = + 7 ºC	Pdh	**10.91**	kW
T_j = + 12 ºC	Pdh	**5.87**	kW
T_j = bivalent temperature	Pdh	**25.71**	kW
T_j = operation limit	Pdh	**15.35**	kW
For air-to-water heat pumps: T_j = - 15 ºC (if T_{OL} < - 20 ºC)	Pdh	**-**	kW
Bivalent temperature	T_{biv}	**-5.22**	ºC
Degradation co-efficient heat pumps**	C_{dh}	**0.25**	-
Power consumption in modes other than 'active mode'			
Off mode	P_{OFF}	**0.000**	kW
Thermostat-off mode	P_{TO}	**0.089**	kW
Crankcase heater mode	P_{CK}	**0.044**	kW
Other items			
Capacity control	variable		
Sound power level, indoor / outdoor measured	L_{WA}	**80.0**	dB
Emissions of nitrogen oxides (if applicable)	NO_x	**-**	mg/kWh
GWP of the refrigerant		2088	kg $CO_{2\,ep}$ (100 years)

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	$\eta_{s,h}$	**154.6**	%
Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j = - 7 ºC	COP_d	**2.34**	~~%~~
T_j = + 2 ºC	COP_d	**3.37**	~~%~~
T_j = + 7 ºC	COP_d	**6.06**	~~%~~
T_j = + 12 ºC	COP_d	**10.06**	~~%~~
T_j = bivalent temperature	COP_d	**2.95**	~~%~~
T_j = operation limit	COP_d	**2.00**	~~%~~
For water-to-air heat pumps: T_j = - 15 ºC (if T_{OL} < -20 ºC)	COP_d	**-**	~~%~~
For water-to-air heat pumps: Operation limit temperature	T_{ol}	**-**	ºC
Supplementary heater			
Electric back-up heating capacity *	elbu	**0.000**	kW
Type of energy input			
Standby mode	P_{SB}	**0.063**	kW
For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	**10500**	m³/h
For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	**-**	m³/h

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 to: Outdoor : PUHY-EP300YLM-A1(-BS) Indoor : PEFY-P50VMHS2-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	$\eta_{s,c}$	**302.6**	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27ºC/19ºC (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 ºC	Pdc	**33.50**	kW	T_j = +35 ºC	EER_d	**3.91**	~~%~~
T_j = + 30 ºC	Pdc	**26.02**	kW	T_j = + 30 ºC	EER_d	**6.35**	~~%~~
T_j = + 25 ºC	Pdc	**16.07**	kW	T_j = + 25 ºC	EER_d	**9.89**	~~%~~
T_j = + 20 ºC	Pdc	**12.77**	kW	T_j = + 20 ºC	EER_d	**13.74**	~~%~~
Degradation co-efficient air conditioners**	C_d	**0.25**	-				
Power consumption in modes other than 'active mode'							
Off mode	P_{OFF}	**0.000**	kW	Crankcase heater mode	P_{CK}	**0.043**	kW
Thermostat-off mode	P_{TO}	**0.069**	kW	Standby mode	P_{SB}	**0.063**	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}	**82.0**	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)				
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PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates to:
Outdoor : PUHY-EP300YLM-A1(-BS) Indoor : PEFY-P50VMHS2-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
Rated heating capacity	$P_{rated,h}$	**37.50**	kW
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j			
T_j = - 7 ºC	Pdh	**31.13**	kW
T_j = + 2 ºC	Pdh	**20.19**	kW
T_j = + 7 ºC	Pdh	**12.98**	kW
T_j = + 12 ºC	Pdh	**7.81**	kW
T_j = bivalent temperature	Pdh	**30.29**	kW
T_j = operation limit	Pdh	**20.40**	kW
For air-to-water heat pumps: T_j = - 15 ºC (if T_{OL} < - 20 ºC)	Pdh	**-**	kW
Bivalent temperature	T_{biv}	**-5.0**	ºC
Degradation co-efficient heat pumps**	C_{dh}	**0.25**	-
Power consumption in modes other than 'active mode'			
Off mode	P_{OFF}	**0.063**	kW
Thermostat-off mode	P_{TO}	**0.069**	kW
Crankcase heater mode	P_{CK}	**0.043**	kW
Other items			
Capacity control	variable		
Sound power level, indoor / outdoor measured	L_{WA}	**82.0**	dB
Emissions of nitrogen oxides (if applicable)	NO_x	**-**	mg/kWh
GWP of the refrigerant		2088	kg $CO_{2\,ep}$ (100 years)

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	$\eta_{s,h}$	**157.8**	%
Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j = - 7 ºC	COP_d	**2.48**	~~%~~
T_j = + 2 ºC	COP_d	**3.71**	~~%~~
T_j = + 7 ºC	COP_d	**5.69**	~~%~~
T_j = + 12 ºC	COP_d	**9.79**	~~%~~
T_j = bivalent temperature	COP_d	**2.78**	~~%~~
T_j = operation limit	COP_d	**2.19**	~~%~~
For water-to-air heat pumps: T_j = - 15 ºC (if T_{OL} < -20 ºC)	COP_d	**-**	~~%~~
For water-to-air heat pumps: Operation limit temperature	T_{ol}	**-**	ºC
Supplementary heater			
Electric back-up heating capacity *	elbu	**0.000**	kW
Type of energy input			
Standby mode	P_{SB}	**0.063**	kW
For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	**12000**	m³/h
For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	**-**	m³/h

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 to: Outdoor : PUHY-EP350YLM-A1(-BS) Indoor : PEFY-P63VMHS2-E×4 units, PEFY-P50VMHS2-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	$\eta_{s,c}$	**291.4**	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27ºC/19ºC (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 ºC	Pdc	**40.00**	kW	T_j = +35 ºC	EER_d	**3.42**	~~%~~
T_j = + 30 ºC	Pdc	**29.49**	kW	T_j = + 30 ºC	EER_d	**5.84**	~~%~~
T_j = + 25 ºC	Pdc	**18.97**	kW	T_j = + 25 ºC	EER_d	**9.94**	~~%~~
T_j = + 20 ºC	Pdc	**12.36**	kW	T_j = + 20 ºC	EER_d	**12.05**	~~%~~
Degradation co-efficient air conditioners**	C_d	**0.25**	-				
Power consumption in modes other than 'active mode'							
Off mode	P_{OFF}	**0.000**	kW	Crankcase heater mode	P_{CK}	**0.043**	kW
Thermostat-off mode	P_{TO}	**0.069**	kW	Standby mode	P_{SB}	**0.063**	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}	**82.5**	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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PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates to:
Outdoor : PUHY-EP350YLM-A1(-BS) Indoor : PEFY-P63VMHS2-E×4 units, PEFY-P50VMHS2-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	$P_{rated,h}$	**45.00**	kW
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j			
T_j = - 7 ºC	Pdh	**33.56**	kW
T_j = + 2 ºC	Pdh	**24.23**	kW
T_j = + 7 ºC	Pdh	**15.56**	kW
T_j = + 12 ºC	Pdh	**7.86**	kW
T_j = bivalent temperature	Pdh	**37.90**	kW
T_j = operation limit	Pdh	**26.01**	kW
For air-to-water heat pumps: T_j = - 15 ºC (if T_{OL} < - 20 ºC)	Pdh	**-**	kW
Bivalent temperature	T_{biv}	**-5.9**	ºC
Degradation co-efficient heat pumps**	C_{dh}	**0.25**	-
Power consumption in modes other than 'active mode'			
Off mode	P_{OFF}	**0.055**	kW
Thermostat-off mode	P_{TO}	**0.060**	kW
Crankcase heater mode	P_{CK}	**0.051**	kW
Other items			
Capacity control	variable		
Sound power level, indoor / outdoor measured	L_{WA}	**82.5**	dB
Emissions of nitrogen oxides (if applicable)	NO_x	**-**	mg/kWh
GWP of the refrigerant		2088	kg $CO_{2\,ep}$ (100 years)

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	$\eta_{s,h}$	**142.2**	%
Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j = - 7 ºC	COP_d	**2.32**	~~%~~
T_j = + 2 ºC	COP_d	**2.99**	~~%~~
T_j = + 7 ºC	COP_d	**5.37**	~~%~~
T_j = + 12 ºC	COP_d	**8.15**	~~%~~
T_j = bivalent temperature	COP_d	**2.98**	~~%~~
T_j = operation limit	COP_d	**2.27**	~~%~~
For water-to-air heat pumps: T_j = - 15 ºC (if T_{OL} < -20 ºC)	COP_d	**-**	~~%~~
For water-to-air heat pumps: Operation limit temperature	T_{ol}	**-**	ºC
Supplementary heater			
Electric back-up heating capacity *	elbu	**0.000**	kW
Type of energy input			
Standby mode	P_{SB}	**0.063**	kW
For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	**12000**	m³/h
For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	**-**	m³/h

Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66,Tebira 6 Chome,Wakayama-City 640-8686,Japan

** If C_d is not determined by measurement then the default degradation coefficient air conditioners shall be 0.25. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacture or importer.

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Model(s): Information to identify the model(s) to which the information relates to: Outdoor : PUHY-EP400YLM-A1(-BS) Indoor : PEFY-P71VMHS2-E×5 units, PEFY-P50VMHS2-E×1 unit							
Outdoor heat exchanger of air conditioner: air							
Indoor heat exchanger of air conditioner: air							
Type: compressor driven vapour compression							
if applicable: driver of compressor: electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	**45.00**	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	**273.8**	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27ºC/19ºC (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 ºC	Pdc	**45.00**	kW	T_j = +35 ºC	EER_d	**3.67**	~~%~~
T_j = + 30 ºC	Pdc	**33.19**	kW	T_j = + 30 ºC	EER_d	**5.58**	~~%~~
T_j = + 25 ºC	Pdc	**21.34**	kW	T_j = + 25 ºC	EER_d	**8.06**	~~%~~
T_j = + 20 ºC	Pdc	**16.12**	kW	T_j = + 20 ºC	EER_d	**12.99**	~~%~~
Degradation co-efficient air conditioners**	C_d	**0.25**	-				
Power consumption in modes other than 'active mode'							
Off mode	P_{OFF}	**0.000**	kW	Crankcase heater mode	P_{CK}	**0.054**	kW
Thermostat-off mode	P_{TO}	**0.057**	kW	Standby mode	P_{SB}	**0.052**	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: Nominal air flow rate, outdoor measured	-	**19200**	m^3/h
Sound power level, outdoor	L_{WA}	**82.5**	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	**-**	mg/kWh fuel input GCV				
GWP of the refrigerant		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 manufacture 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 to:
Outdoor : PUHY-EP400YLM-A1(-BS) Indoor : PEFY-P71VMHS2-E×5 units, PEFY-P50VMHS2-E×1 unit

Outdoor heat exchanger of air conditioner: air

Indoor heat exchanger of air conditioner: air

Indication if the heater is equipped with a supplementary heater: no

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.

Item	Symbol	Value	Unit
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 ºC	Pdh	**35.63**	kW
T_j = + 2 ºC	Pdh	**26.92**	kW
T_j = + 7 ºC	Pdh	**17.31**	kW
T_j = + 12 ºC	Pdh	**9.69**	kW
T_j = bivalent temperature	Pdh	**38.46**	kW
T_j = operation limit	Pdh	**25.96**	kW
For air-to-water heat pumps: T_j = - 15 ºC (if T_{OL} < - 20 ºC)	Pdh	**-**	kW
Bivalent temperature	T_{biv}	**-4.0**	ºC
Degradation co-efficient heat pumps**	C_{dh}	**0.25**	-
Power consumption in modes other than 'active mode'			
Off mode	P_{OFF}	**0.052**	kW
Thermostat-off mode	P_{TO}	**0.057**	kW
Crankcase heater mode	P_{CK}	**0.054**	kW
Other items			
Capacity control	variable		
Sound power level, indoor / outdoor measured	L_{WA}	**82.5**	dB
Emissions of nitrogen oxides (if applicable)	NO_x	**-**	mg/kWh
GWP of the refrigerant		2088	kg $CO_{2\,ep}$ (100 years)

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	$\eta_{s,h}$	**139.8**	%
Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j = - 7 ºC	COP_d	**2.44**	~~%~~
T_j = + 2 ºC	COP_d	**2.87**	~~%~~
T_j = + 7 ºC	COP_d	**5.92**	~~%~~
T_j = + 12 ºC	COP_d	**8.11**	~~%~~
T_j = bivalent temperature	COP_d	**2.91**	~~%~~
T_j = operation limit	COP_d	**2.18**	~~%~~
For water-to-air heat pumps: T_j = - 15 ºC (if T_{OL} < -20 ºC)	COP_d	**-**	~~%~~
For water-to-air heat pumps: Operation limit temperature	T_{ol}	**-**	ºC
Supplementary heater			
Electric back-up heating capacity *	elbu	**0.000**	kW
Type of energy input			
Standby mode	P_{SB}	**0.052**	kW
For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	**19200**	m³/h
For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	**-**	m³/h

Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66,Tebira 6 Chome,Wakayama-City 640-8686,Japan

** If C_d is not determined by measurement then the default degradation coefficient air conditioners shall be 0.25. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacture 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 to: Outdoor : PUHY-EP450YLM-A1(-BS) Indoor : PEFY-P63VMHS2-E×4 units, PEFY-P50VMHS2-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	$\eta_{s,c}$	**299.0**	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27ºC/19ºC (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 ºC	Pdc	**50.00**	kW	T_j = +35 ºC	EER_d	**3.38**	~~%~~
T_j = + 30 ºC	Pdc	**36.86**	kW	T_j = + 30 ºC	EER_d	**5.75**	~~%~~
T_j = + 25 ºC	Pdc	**23.71**	kW	T_j = + 25 ºC	EER_d	**9.44**	~~%~~
T_j = + 20 ºC	Pdc	**14.34**	kW	T_j = + 20 ºC	EER_d	**14.60**	~~%~~
Degradation co-efficient air conditioners**	C_d	**0.25**	-				
Power consumption in modes other than 'active mode'							
Off mode	P_{OFF}	**0.000**	kW	Crankcase heater mode	P_{CK}	**0.054**	kW
Thermostat-off mode	P_{TO}	**0.063**	kW	Standby mode	P_{SB}	**0.052**	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: Nominal air flow rate, outdoor measured	-	**22200**	m^3/h
Sound power level, outdoor	L_{WA}	**83.0**	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 manufacture or importer.							

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PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates to:
Outdoor : PUHY-EP450YLM-A1(-BS) Indoor : PEFY-P63VMHS2-E×4 units, PEFY-P50VMHS2-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	$P_{rated,h}$	**56.00**	kW

Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature T_j

T_j = - 7 ºC	Pdh	**38.07**	kW
T_j = + 2 ºC	Pdh	**34.96**	kW
T_j = + 7 ºC	Pdh	**19.26**	kW
T_j = + 12 ºC	Pdh	**10.11**	kW
T_j = bivalent temperature	Pdh	**44.37**	kW
T_j = operation limit	Pdh	**25.50**	kW
For air-to-water heat pumps: T_j = - 15 ºC (if T_{OL} < - 20 ºC)	Pdh	**-**	kW
Bivalent temperature	T_{biv}	**-4.6**	ºC
Degradation co-efficient heat pumps**	C_{dh}	**0.25**	-

Power consumption in modes other than 'active mode'

Off mode	P_{OFF}	**0.052**	kW
Thermostat-off mode	P_{TO}	**0.063**	kW
Crankcase heater mode	P_{CK}	**0.054**	kW

Other items

Capacity control	variable		
Sound power level, indoor / outdoor measured	L_{WA}	**83.0**	dB
Emissions of nitrogen oxides (if applicable)	NO_x	**-**	mg/kWh
GWP of the refrigerant		2088	kg $CO_{2\,ep}$ (100 years)

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	$\eta_{s,h}$	**141.8**	%

Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j

T_j = - 7 ºC	COP_d	**2.37**	~~%~~
T_j = + 2 ºC	COP_d	**2.81**	~~%~~
T_j = + 7 ºC	COP_d	**6.20**	~~%~~
T_j = + 12 ºC	COP_d	**9.53**	~~%~~
T_j = bivalent temperature	COP_d	**2.95**	~~%~~
T_j = operation limit	COP_d	**2.08**	~~%~~
For water-to-air heat pumps: T_j = - 15 ºC (if T_{OL} < -20 ºC)	COP_d	**-**	~~%~~
For water-to-air heat pumps: Operation limit temperature	T_{ol}	**-**	ºC

Supplementary heater

Electric back-up heating capacity *	elbu	**0.000**	kW
Type of energy input			
Standby mode	P_{SB}	**0.052**	kW

For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	**22200**	m³/h
For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	**-**	m³/h

Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66,Tebira 6 Chome,Wakayama-City 640-8686,Japan

** If C_d is not determined by measurement then the default degradation coefficient air conditioners shall be 0.25. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacture or importer.

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PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates to: Outdoor : PUHY-EP500YLM-A1(-BS) Indoor : PEFY-P63VMHS2-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	$\eta_{s,c}$	**264.6**	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27ºC/19ºC (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 ºC	Pdc	**56.00**	kW	T_j = +35 ºC	EER_d	**2.99**	~~%~~
T_j = + 30 ºC	Pdc	**38.90**	kW	T_j = + 30 ºC	EER_d	**4.70**	~~%~~
T_j = + 25 ºC	Pdc	**24.51**	kW	T_j = + 25 ºC	EER_d	**8.40**	~~%~~
T_j = + 20 ºC	Pdc	**15.31**	kW	T_j = + 20 ºC	EER_d	**13.58**	~~%~~
Degradation co-efficient air conditioners**	C_d	**0.25**	-				
Power consumption in modes other than 'active mode'							
Off mode	P_{OFF}	**0.000**	kW	Crankcase heater mode	P_{CK}	**0.047**	kW
Thermostat-off mode	P_{TO}	**0.070**	kW	Standby mode	P_{SB}	**0.059**	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: Nominal air flow rate, outdoor measured	-	**22200**	m^3/h
Sound power level, outdoor	L_{WA}	**83.5**	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	**-**	mg/kWh fuel input GCV				
GWP of the refrigerant		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 manufacture or importer.							

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PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates to:
Outdoor : PUHY-EP500YLM-A1(-BS) Indoor : PEFY-P63VMHS2-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 ºC	Pdh	**41.40**	kW
T_j = + 2 ºC	Pdh	**30.07**	kW
T_j = + 7 ºC	Pdh	**21.71**	kW
T_j = + 12 ºC	Pdh	**11.29**	kW
T_j = bivalent temperature	Pdh	**45.80**	kW
T_j = operation limit	Pdh	**28.46**	kW
For air-to-water heat pumps: T_j = - 15 ºC (if T_{OL} < - 20 ºC)	Pdh	**-**	kW
Bivalent temperature	T_{biv}	**-2.9**	ºC
Degradation co-efficient heat pumps**	C_{dh}	**0.25**	-
Power consumption in modes other than 'active mode'			
Off mode	P_{OFF}	**0.059**	kW
Thermostat-off mode	P_{TO}	**0.070**	kW
Crankcase heater mode	P_{CK}	**0.047**	kW
Other items			
Capacity control	variable		
Sound power level, indoor / outdoor measured	L_{WA}	**83.5**	dB
Emissions of nitrogen oxides (if applicable)	NO_x	**-**	mg/kWh
GWP of the refrigerant		2088	kg $CO_{2\,ep}$ (100 years)

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	$\eta_{s,h}$	**140.2**	%
Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures T_j			
T_j = - 7 ºC	COP_d	**2.35**	~~%~~
T_j = + 2 ºC	COP_d	**3.00**	~~%~~
T_j = + 7 ºC	COP_d	**5.51**	~~%~~
T_j = + 12 ºC	COP_d	**8.38**	~~%~~
T_j = bivalent temperature	COP_d	**3.19**	~~%~~
T_j = operation limit	COP_d	**2.45**	~~%~~
For water-to-air heat pumps: T_j = - 15 ºC (if T_{OL} < -20 ºC)	COP_d	**-**	~~%~~
For water-to-air heat pumps: Operation limit temperature	T_{ol}	**-**	ºC
Supplementary heater			
Electric back-up heating capacity *	elbu	**0.000**	kW
Type of energy input			
Standby mode	P_{SB}	**0.059**	kW
For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	**22200**	m³/h
For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	**-**	m³/h

Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66,Tebira 6 Chome,Wakayama-City 640-8686,Japan

** If C_d is not determined by measurement then the default degradation coefficient air conditioners shall be 0.25. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacture or importer.

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