PRODUCT INFORMATION

PURY-RP＊＊＊YJM-B(-BS)

For Europe Regulation

PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates : Outdoor : PURY-RP200YJM-B(-BS) Indoor : PEFY-P50VMHS2-E×4units							
Outdoor heat exchanger of air conditioner: air							
Indoor heat exchanger of air conditioner: air							
Type: compressor driven vapour compression							
if applicable: driver of compressor: electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	**22.40**	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	**239.4**	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27º/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	**4.52**	~~%~~
T_j = + 30 ºC	Pdc	**16.52**	kW	T_j = + 30 ºC	EER_d	**4.41**	~~%~~
T_j = + 25 ºC	Pdc	**10.62**	kW	T_j = + 25 ºC	EER_d	**8.02**	~~%~~
T_j = + 20 ºC	Pdc	**10.15**	kW	T_j = + 20 ºC	EER_d	**11.70**	~~%~~
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}	**0.035**	kW
Thermostat-off mode	P_{TO}	**0.089**	kW	Standby mode	P_{SB}	**0.084**	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: Nominal air flow rate, outdoor measured	-	**13500**	m^3/h
Sound power level, outdoor	L_{WA}	**76.0**	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	**-**	mg/kWh fuel input GCV				
GWP of the refrigerant		**2088**	kg $CO_{2\ eq}$ (100 years)				
Contact details	MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66,Tebira 6 Chome,Wakayama-City 640-8686,Japan						
** If C_d is not determined by measurement then the default degradation coefficient air conditioners shall be 0.25. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.							

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

PRODUCT INFORMATION(1)

Information to identify the model(s) to which the information relates :
Outdoor : PURY-RP200YJM-B(-BS) Indoor : PEFY-P50VMHS2-E×4units

Outdoor heat exchanger of heat pump: air

Indoor heat exchanger of heat pump: air

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

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

Item	Symbol	Value	Unit
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	**20.70**	kW
T_j = + 2 ºC	Pdh	**13.48**	kW
T_j = + 7 ºC	Pdh	**8.67**	kW
T_j = + 12 ºC	Pdh	**5.64**	kW
T_j = bivalent temperature	Pdh	**21.15**	kW
T_j = operation limit	Pdh	**15.13**	kW
For air-to-water heat pumps: T_j = - 15 ºC (if T_{OL} < - 20 ºC)	Pdh	-	kW
Bivalent temperature	T_{biv}	**-6.0**	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}	**0.035**	kW
Other items			
Capacity control	variable		
Sound power level, indoor / outdoor measured	L_{WA}	**76.0**	dB
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh
GWP of the refrigerant		**2088**	kg CO_2 eq (100 years)

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	$\eta_{s,h}$	**153.0**	%
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	**2.17**	~~%~~
T_j = + 2 ºC	COP_d	**3.42**	~~%~~
T_j = + 7 ºC	COP_d	**6.25**	~~%~~
T_j = + 12 ºC	COP_d	**8.03**	~~%~~
T_j = bivalent temperature	COP_d	**2.61**	~~%~~
T_j = operation limit	COP_d	**1.99**	~~%~~
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}	**0.084**	kW
For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	**13500**	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 of heat pumps shall be 0,25.
Where information relates to multi-split heat pumps, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.

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

PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates : Outdoor : PURY-RP250YJM-B(-BS) Indoor : PEFY-P63VMHS2-E×4units							
Outdoor heat exchanger of air conditioner: air							
Indoor heat exchanger of air conditioner: air							
Type: compressor driven vapour compression							
if applicable: driver of compressor: electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	**28.00**	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	**222.2**	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27º/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	**4.10**	~~%~~
T_j = + 30 ºC	Pdc	**20.64**	kW	T_j = + 30 ºC	EER_d	**3.81**	~~%~~
T_j = + 25 ºC	Pdc	**13.27**	kW	T_j = + 25 ºC	EER_d	**7.11**	~~%~~
T_j = + 20 ºC	Pdc	**8.93**	kW	T_j = + 20 ºC	EER_d	**11.29**	~~%~~
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}	**0.045**	kW
Thermostat-off mode	P_{TO}	**0.089**	kW	Standby mode	P_{SB}	**0.084**	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: Nominal air flow rate, outdoor measured	-	**13500**	m^3/h
Sound power level, outdoor	L_{WA}	**77.0**	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	**-**	mg/kWh fuel input GCV				
GWP of the refrigerant		**2088**	kg $CO_{2\ eq}$ (100 years)				
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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 manufacturer or importer.							

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PRODUCT INFORMATION(1)

Information to identify the model(s) to which the information relates :
Outdoor : PURY-RP250YJM-B(-BS) Indoor : PEFY-P63VMHS2-E×4units

Outdoor heat exchanger of air conditioner: air

Indoor heat exchanger of air conditioner: air

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

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

Item	Symbol	Value	Unit
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}	**-5.2**	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}	**0.045**	kW
Other items			
Capacity control	variable		
Sound power level, indoor / outdoor measured	L_{WA}	**77.0**	dB
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh
GWP of the refrigerant		**2088**	kg CO_2 eq (100 years)

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	$\eta_{s,h}$	**151.4**	%
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	**2.28**	~~%~~
T_j = + 2 ºC	COP_d	**3.28**	~~%~~
T_j = + 7 ºC	COP_d	**5.91**	~~%~~
T_j = + 12 ºC	COP_d	**9.38**	~~%~~
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}	**0.084**	kW
For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	**13500**	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 of heat pumps shall be 0,25.
Where information relates to multi-split heat pumps, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.

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PRODUCT INFORMATION(1)

Model(s): Information to identify the model(s) to which the information relates : Outdoor : PURY-RP300YJM-B(-BS) Indoor : PEFY-P50VMHS2-E×6units							
Outdoor heat exchanger of air conditioner: air							
Indoor heat exchanger of air conditioner: air							
Type: compressor driven vapour compression							
if applicable: driver of compressor: electric motor							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	**33.50**	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	**241.0**	%
Declared cooling capacity for part load at given outdoor temperatures T_j and indoor 27º/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	**4.01**	~~%~~
T_j = + 30 ºC	Pdc	**24.70**	kW	T_j = + 30 ºC	EER_d	**4.28**	~~%~~
T_j = + 25 ºC	Pdc	**15.88**	kW	T_j = + 25 ºC	EER_d	**7.33**	~~%~~
T_j = + 20 ºC	Pdc	**11.25**	kW	T_j = + 20 ºC	EER_d	**13.20**	~~%~~
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}	**0.045**	kW
Thermostat-off mode	P_{TO}	**0.090**	kW	Standby mode	P_{SB}	**0.084**	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: Nominal air flow rate, outdoor measured	-	**13500**	m^3/h
Sound power level, outdoor	L_{WA}	**79.0**	dB				
if engine driven: Emissions of nitrogen oxides	NO_x	**-**	mg/kWh fuel input GCV				
GWP of the refrigerant		**2088**	kg $CO_{2\ eq}$ (100 years)				
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PRODUCT INFORMATION(1)

Information to identify the model(s) to which the information relates :
Outdoor : PURY-RP300YJM-B(-BS) Indoor : PEFY-P50VMHS2-E×6units

Outdoor heat exchanger of air conditioner: air

Indoor heat exchanger of air conditioner: air

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

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

Item	Symbol	Value	Unit
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	**29.42**	kW
T_j = + 2 ºC	Pdh	**20.21**	kW
T_j = + 7 ºC	Pdh	**12.99**	kW
T_j = + 12 ºC	Pdh	**7.45**	kW
T_j = bivalent temperature	Pdh	**31.80**	kW
T_j = operation limit	Pdh	**19.93**	kW
For air-to-water heat pumps: T_j = - 15 ºC (if T_{OL} < - 20 ºC)	Pdh	-	kW
Bivalent temperature	T_{biv}	**-6.1**	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}	**0.090**	kW
Crankcase heater mode	P_{CK}	**0.045**	kW

Other items

Capacity control	variable		
Sound power level, indoor / outdoor measured	L_{WA}	**79.0**	dB
Emissions of nitrogen oxides (if applicable)	NO_x	-	mg/kWh
GWP of the refrigerant		**2088**	kg CO_2 eq (100 years)

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	$\eta_{s,h}$	**150.2**	%

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	**2.27**	~~%~~
T_j = + 2 ºC	COP_d	**3.27**	~~%~~
T_j = + 7 ºC	COP_d	**6.05**	~~%~~
T_j = + 12 ºC	COP_d	**8.84**	~~%~~
T_j = bivalent temperature	COP_d	**2.69**	~~%~~
T_j = operation limit	COP_d	**1.87**	~~%~~
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}	**0.084**	kW

For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	**13500**	m³/h
For water-/brine-to-air heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m³/h

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Where information relates to multi-split heat pumps, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.

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