PRODUCT INFORMATION
PURY-P\*\*\*YNW-A2/TR2/RU2(-BS)
PURY-EP\*\*\*YNW-A2/TR2/RU2(-BS)
For Europe Regulation

N. 1.1( ) T. C	. 1				TORMATION(I)					
Model(s): Information to identify the model(s) to which the information relates:  Outdoor:PURY-P200YNW-A2/TR2/RU2(-BS) Indoor:PEFY-M50VMA-A1×4 units										
Outdoor heat exchanger	of air cor			0 1	11 (W 112) II(2) II(02( BB) III(001).	D1 1 14150	, v 1v12 t	711 Tullits		
Indoor heat exchanger o										
Type: compressor driver	n vapour o	compressi	ion							
if applicable: driver of c	ompresso	r: electric	motor							
Item	Symbol	Value	Unit		Item Symbol		Valu	e Unit		
Rated cooling capacity	$P_{\text{rated,c}}$	22.40	kW		Seasonal space cooling $\eta_{s,c}$ energy efficiency		287.0	%		
Declared cooling capacity for part load at give outdoor temperatures $T_j$ and indoor 27°/19°C (dry/we bulb) $T_j = +35 \text{ °C} \qquad \text{Pdc} \qquad \boxed{22.40} \text{ kW}$					Declared energy efficiency ratio of auxiliary energy factor for pattemperatures $T_j$ $T_j = +35$ °C EER <sub>d</sub>	_		•		
$T_i = +30  ^{\circ}\text{C}$	Pdc	16.51	kW		$T_i = +30  ^{\circ}\text{C}$ EER <sub>d</sub>		5.09	— <del>%</del>		
$T_i = +25  ^{\circ}C$	Pdc	10.61	kW		$T_i = +25  ^{\circ}\text{C}$ EER <sub>d</sub>		9.83	— <del>%</del>		
$T_i = +20  ^{\circ}\text{C}$	Pdc	8.02	kW		$T_i = +20  ^{\circ}\text{C}$ EER <sub>d</sub>		14.4			
			1		j			7		
Degradation co- efficient air conditioners**	$C_d$	0.25	-							
Power consumption in modes other than 'active mode'										
Off mode Thermostat-off mode	P <sub>OFF</sub> P <sub>TO</sub>	0.048	kW kW		$ \begin{array}{ccc} \text{Crankcase heater mode} & P_{CK} \\ \text{Standby mode} & P_{SB} \end{array} $		0.018 0.048			
Other items		•	•							
Capacity control	variable				For air-to-air air conditioner: Nominal air flow rate, outdoor measured	10200	r	m³/h		
Sound power level, outdoor	$L_{WA}$	76	dB							
if engine driven: Emissions of nitrogen oxides		-	mg/kWh fuel input GCV							
GWP of the refrigerant		2088	kg CO <sub>2 ep</sub> (100 years)							
MITSUBISHI ELECTRIC CORPORATION  Contact details  AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS  5-66, Tebira 6 Chome, Wakayama-City 640-8686, Japan										
** If C <sub>d</sub> 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

Model(s): Information to identify the model(s) to which the information relates: Outdoor:PURY-P200YNW-A2/TR2/RU2(-BS) Indoor:PEFY-M50VMA-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. Symbol Value Unit Symbol Value Unit Item Item Seasonal space heating % 22.40 kW 157.0 Rated heating capacity P<sub>rated.h</sub>  $\eta_{s,h}$ energy efficiency Declared coefficient of performance or gas utilization Declared heating capacity for part load at indoor efficiency / auxiliary energy factor for part load at given temperature 20 °C and outdoor temperature T<sub>i</sub> outdoor temperatures T<sub>i</sub>  $T_i = -7$  °C  $T_i = -7$  °C Pdh **11.28** kW  $COP_d$ 1.72 %  $T_i = +2$  °C Pdh  $T_i = +2$  °C 6.87 kW  $COP_d$ 4.23 <del>%</del>  $T_i = +7$  °C Pdh 4.41 kW  $T_i = +7$  °C  $COP_d$ 6.13 <del>%</del>  $T_i = + 12 \, {}^{\circ}\text{C}$ Pdh 4.12  $T_i = +12 \, {}^{\circ}C$ 7.35 kW  $COP_d$ <del>%</del>  $T_i = bivalent$  $T_i = bivalent$ Pdh 12.75 kW  $COP_d$ 1.67 % temperature temperature 12.75 kW 1.67  $T_i = operation limit$ Pdh  $T_i$  = operation limit  $COP_d$ % For air-to-water heat For water-to-air heat pumps:  $T_i = -15$  °C (if Pdh pumps:  $T_i = -15$  °C (if kW  $COP_d$ <del>%</del>  $T_{OL} < -20 \, {}^{\circ}C)$  $T_{OL} < -20$  °C) For water-to-air heat °С °C  $T_{\rm biv}$ -10.0 Bivalent temperature pumps: Operation limit  $T_{ol}$ temperature co- C<sub>dh</sub> Degradation 0.25 efficient heat pumps\*\* Power consumption in modes other than 'active mode' Supplementary heater Electric back-up 0.048 Off mode POFF kW 0.000 elbu kW heating capacity \* Thermostat-off mode 0.110 kW Type of energy input  $P_{SB}$ 0.018 Crankcase heater mode P<sub>CK</sub> kW 0.125 kW Standby mode Other items For air-to-air heat pumps: Nominal air variable 10200 m³/h Capacity control flow rate, outdoor measured level. water-/brine-to-air Sound power outdoor L<sub>WA</sub> dΒ 76 heat Rated indoor pumps: measured brine or water flow m³/h Emissions of nitrogen rate, outdoor heat mg/kWh oxides (if applicable) exchanger kg CO<sub>2</sub> ep 2088 GWP of the refrigerant (100 years) MITSUBISHI ELECTRIC CORPORATION Contact details AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66, Tebira 6 Chome, Wakayama-City 640-8686, Japan \*\* If  $C_d$  is not determined by measurement then the default degradation coefficient of heat pumps shall be 0,25. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the

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basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or

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Model(s): Information to	o identify				the information relates: YNW-A2/TR2/RU2(-BS) Indoor:PI	FV_M63	WMA_	1×4 unite		
Outdoor heat exchanger	of air cor			0	11\\\-\A2\\\1\\2\\\\02\(-\D3\) ilidoor.11	71 1-10103	V 1V1/1-1	11/4 ullits		
Indoor heat exchanger o										
Type: compressor driver										
if applicable: driver of c	ompresso	r: electric	motor							
Item	Symbol	Value	Unit		Item Symbol		Value	Unit		
Rated cooling capacity	$P_{\text{rated,c}}$	28.00	kW		Seasonal space cooling energy efficiency $\eta_{s,c}$		271.0	%		
Declared cooling capa	city for	part load	d at given		Declared energy efficiency ratio or	gas utili:	zation e	fficiency /		
outdoor temperatures $T_j$ bulb)	and indo	or 27º/19	°C (dry/wet		auxiliary energy factor for par temperatures T <sub>i</sub>	load a	it give	n outdoor		
$T_j = +35 ^{\circ}\text{C}$	Pdc	28.00	kW		$T_i = +35 ^{\circ}\text{C}$ EER <sub>d</sub>		2.73	<u>%</u>		
$T_i = +30  ^{\circ}\text{C}$	Pdc	20.63	kW		$T_j = +30  ^{\circ}\text{C}$ EER <sub>d</sub>		4.77	-  <del> %</del>		
$T_i = +25  ^{\circ}\text{C}$	Pdc	13.26	kW		$T_i = +25 ^{\circ}\text{C}$ EER <sub>d</sub>		8.95	-  <del>70</del> <del>%</del>		
$T_i = +20 \text{ °C}$	Pdc	7.32	kW		$T_i = +20 ^{\circ}\text{C}$ EER <sub>d</sub>		14.42	-  <del>70</del>		
1 j - 1 20 C	1 uc	7.52	- K VV		lij – † 20°C – EERd		14,42	<sup>→</sup>		
Degradation co- efficient air	$C_d$	0.25	-							
Power consumption in modes other than 'active mode'										
Off mode	$P_{OFF}$	0.048	kW		Crankcase heater mode P <sub>CK</sub>		0.018	kW		
Thermostat-off mode	P <sub>TO</sub>	0.048	kW		Standby mode $P_{SB}$		0.018	kW		
Thermostat-off mode	110	0.010	-		Standby mode 1 SB		0.040	K VV		
Other items		<u>'</u>								
Capacity control	variable				For air-to-air air conditioner: Nominal air flow rate, outdoor measured	11100	m <sup>2</sup>	<sup>3</sup> /h		
Sound power level, outdoor	$L_{WA}$	78	dB							
if engine driven: Emissions of nitrogen oxides		-	mg/kWh fuel input GCV							
GWP of the refrigerant		2088	kg CO <sub>2 ep</sub> (100 years)							
Contact details	AIR-COI 5-66,Teb	NDITION oira 6 Cho	NING & RE me,Wakaya	Fl m	RPORATION RIGERATION SYSTEMS WORKS 1a-City 640-8686,Japan					
** If C <sub>d</sub> is not determine	ed by mea	surement	then the de	fa	ult degradation coefficient air condit	ioners sh	all be 0	.25.		
Where information relation	toc to mul	ti amlit ai	r conditions		the test result and performance de	to moss h	a obtoi	nad on tha		

basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or

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Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the

Model(s): Information to identify the model(s) to which the information relates: Outdoor:PURY-P250YNW-A2/TR2/RU2(-BS) Indoor:PEFY-M63VMA-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 Seasonal space heating kW Rated heating capacity P<sub>rated,h</sub> 28.00 157.0 % energy efficiency Declared coefficient of performance or gas utilization Declared heating capacity for part load at indoor efficiency / auxiliary energy factor for part load at given temperature 20 °C and outdoor temperature T<sub>i</sub> outdoor temperatures T<sub>i</sub>  $T_i = -7$  °C Pdh 11.28 kW  $T_i = -7$  °C  $COP_d$ 1.75 %  $T_i = +2$  °C  $T_i = +2 \, ^{\circ}C$ Pdh 4.42 <del>%</del> 6.87 kW  $COP_d$  $T_i = +7$  °C Pdh  $T_i = +7$  °C  $COP_d$ 4.41 kW 5.60 %  $T_{i} = +12 \, {}^{\circ}\text{C}$ Pdh 3.60 kW  $T_i = +12 \, {}^{\circ}C$  $COP_d$ 6.97 <u>%</u>  $T_i = bivalent$  $T_i = bivalent$ Pdh 12.75 kW  $COP_d$ 1.34 % temperature temperature  $T_i$  = operation limit Pdh 12.75 kW  $T_i = operation limit$ COP<sub>4</sub> 1.34 0/0 For water-to-air heat For air-to-water heat pumps:  $T_i = -15$  °C (if pumps:  $T_i = -15$  °C (if Pdh kW  $COP_d$ <del>%</del>  $T_{OL} < -20 \, {}^{\circ}C)$  $T_{OL} < -20 \, ^{\circ}C$ For water-to-air heat  $T_{\text{biv}} \\$ Bivalent temperature -10.0 °C pumps: Operation limit  $T_{ol}$  $^{\circ}C$ temperature co- C<sub>dh</sub> Degradation 0.25 efficient heat pumps\*\* Power consumption in modes other than 'active mode' Supplementary heater Electric back-up Off mode POFF 0.048 kW 0.000 kW elbu heating capacity \* 0.110 Thermostat-off mode  $P_{TO}$ kW Type of energy input Crankcase heater mode P<sub>CK</sub> 0.018 kW Standby mode  $P_{SB}$ 0.125 kW Other items For air-to-air heat pumps: Nominal air Capacity control variable 13200 m³/h flow rate, outdoor measured Sound power level. For water-/brine-to-air outdoor L<sub>WA</sub> 83 dΒ Rated indoor pumps: brine or water flow m<sup>3</sup>/h measured Emissions of nitrogen rate, outdoor heat NO, mg/kWh oxides (if applicable) exchanger kg CO<sub>2</sub> ep 2088 GWP of the refrigerant (100 years) MITSUBISHI ELECTRIC CORPORATION Contact details AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66, Tebira 6 Chome, Wakayama-City 640-8686, Japan \*\* If C<sub>d</sub> 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

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

Model(s): Information to	o identify			the information related YNW-A2/TR2/RU2(-		EV M50V		1×6 unite		
Outdoor heat exchanger	of air cor			INW-AZ/INZ/NOZ	-D3) IIIQOOLL LA	[ 1 -1VI JU V	V IVIA-A	1^0 umo		
Indoor heat exchanger o										
Type: compressor driver										
if applicable: driver of c										
Item	Symbol			Item	Symbol		Value	Unit		
Rated cooling capacity	P <sub>rated,c</sub>	33.50	kW	Seasonal space coo energy efficiency	$_{\eta_{s,c}}$		250.0	%		
Declared cooling capa	city for	part loa	d at given	Declared energy eff	iciency ratio or	gas utiliz	ation ef	ficiency /		
outdoor temperatures T <sub>j</sub>				auxiliary energy f	actor for part	load at	given	outdoor		
bulb)				temperatures T <sub>j</sub>		_				
$T_j = +35  ^{\circ}\text{C}$	Pdc	33.50	kW	$T_j = +35  ^{\circ}\text{C}$	$EER_d$	[	2.85	<del>%</del>		
$T_j = +30  ^{\circ}\text{C}$	Pdc	24.68	kW	$T_j = +30  ^{\circ}\text{C}$	$EER_d$	[	4.53	<del>%</del>		
$T_i = +25  {}^{\circ}\text{C}$	Pdc	15.87	kW	$T_j = +25  ^{\circ}C$	$EER_d$	Ī	7.94	<del>%</del>		
$T_i = +20  {}^{\circ}\text{C}$	Pdc	9.37	kW	$T_{i} = +20  {}^{\circ}\text{C}$	$EER_d$	1	12.39	<del>%</del>		
			1	,		1		1		
Degradation co- efficient air	$C_d$	0.25								
Power consumption in modes other than 'active mode'										
Off mode	$P_{OFF}$	0.056	kW	Crankcase heater mo	ode P <sub>CK</sub>		0.021	kW		
Thermostat-off mode	$P_{TO}$	0.021	kW	Standby mode	$\mathrm{P}_{\mathrm{SB}}$		0.056	kW		
			1							
Other items										
Capacity control	variable			For air-to-air conditioner: Nomin flow rate, ou measured	air al air utdoor	12000	m <sup>3</sup> /	h		
Sound power level, outdoor	L <sub>WA</sub>	80	dB							
if engine driven: Emissions of nitrogen oxides		-	mg/kWh fuel input GCV							
GWP of the refrigerant		2088	kg CO <sub>2 ep</sub> (100 years)							
				RPORATION						
Contact details				RIGERATION SYST						
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** If C <sub>d</sub> is not determine										
Where information relat		-			•	-				
basis of the performance	e of the of	ataoor un	it, with a con	ibination of indoor un	iit(s) recommend	iea by the	: manur	acturer or		

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

Model(s): Information to identify the model(s) to which the information relates: Outdoor:PURY-P300YNW-A2/TR2/RU2(-BS) Indoor:PEFY-M50VMA-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 Seasonal space heating 33.50 kW Rated heating capacity P<sub>rated,h</sub> 157.0 % energy efficiency Declared coefficient of performance or gas utilization Declared heating capacity for part load at indoor efficiency / auxiliary energy factor for part load at given temperature 20 °C and outdoor temperature T<sub>i</sub> outdoor temperatures T<sub>i</sub> Pdh 11.28 kW  $T_i = -7$  °C  $COP_d$ 1.72 %  $T_i = +2 \, ^{\circ}C$ Pdh  $T_i = +2 \, ^{\circ}C$ 4.42 <del>%</del> 6.87 kW  $COP_d$  $T_i = +7$  °C Pdh  $T_i = +7$  °C  $COP_d$ 5.89 <del>0/0</del> 4.41 kW  $T_{i} = +12 \, {}^{\circ}\text{C}$ Pdh 5.52 kW  $T_i = +12 \, {}^{\circ}C$  $COP_d$ 6.76 <del>%</del>  $T_i = bivalent$  $T_i = bivalent$ Pdh 12.75 kW  $COP_d$ 1.30 % temperature temperature  $T_i$  = operation limit 12.75 kW  $T_i = operation limit$ COP<sub>4</sub> 1.30 0/0 For water-to-air heat For air-to-water heat pumps:  $T_i = -15$  °C (if pumps:  $T_i = -15$  °C (if Pdh kW  $COP_d$ %  $T_{OL} < -20 \, {}^{\circ}C)$  $T_{OL} < -20 \, ^{\circ}C$ For water-to-air heat  $T_{\text{biv}}$ Bivalent temperature -10.0 °C pumps: Operation limit  $T_{ol}$  $^{\circ}C$ temperature co- C<sub>dh</sub> Degradation 0.25 efficient heat pumps\*\* Power consumption in modes other than 'active mode' Supplementary heater Electric back-up Off mode POFF 0.056 kW 0.000 kW elbu heating capacity \* 0.119 Thermostat-off mode  $P_{TO}$ kW Type of energy input Crankcase heater mode P<sub>CK</sub> 0.021 kW Standby mode  $P_{SB}$ 0.134 kW Other items For heat air-to-air pumps: Nominal air Capacity control variable 14400 m³/h flow rate, outdoor measured Sound power level. For water-/brine-to-air 86 dΒ Rated indoor outdoor L<sub>WA</sub> pumps: brine flow m<sup>3</sup>/h measured or water Emissions of nitrogen rate, outdoor heat NO, mg/kWh oxides (if applicable) exchanger kg CO<sub>2</sub> ep 2088 GWP of the refrigerant (100 years) MITSUBISHI ELECTRIC CORPORATION Contact details AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66, Tebira 6 Chome, Wakayama-City 640-8686, Japan \*\* If C<sub>d</sub> 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

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

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Model(s): Information to						DEEX MEO		12
Outdoor:PURY-P35 Outdoor heat exchanger				oor:PEFY-M63\	/MA-A1×4 units,	PEFY-M50	VMA-A	1×2 units
Indoor heat exchanger o								
Type: compressor driver								
if applicable: driver of c								
Item	Symbol	Value		Item	Symbol		Value	Unit
Rated cooling capacity	•	40.00	kW	Seasonal space energy efficien	e cooling n		236.0	%
Declared cooling capa	city for	part loa	d at given	Declared energ	gy efficiency ratio	or gas utiliz	zation ef	ficiency /
outdoor temperatures $T_j$ bulb)	-	_	-	_	gy factor for p	_		-
$T_j = +35  ^{\circ}\text{C}$	Pdc	40.00	kW	$T_j = +35  ^{\circ}\text{C}$	$EER_d$		2.68	<del>%</del>
$T_{j} = +30  {}^{\circ}\text{C}$	Pdc	29.47	kW	$T_{j} = +30  {}^{\circ}\text{C}$	$EER_d$		4.07	<del>%</del>
$T_i = +25  {}^{\circ}\text{C}$	Pdc	18.95	kW	$T_{i} = +25  {}^{\circ}\text{C}$	$EER_d$		6.94	<del>%</del>
$T_j = +20 \text{ °C}$	Pdc	9.67	kW	$T_j = +20  ^{\circ}C$	$EER_d$		14.57	<del>%</del>
Degradation co- efficient air	$C_d$	0.25	-					
Power consumption in n	nodes other	er than 'ac	ctive mode'					
Off mode	$\mathbf{P}_{\mathrm{OFF}}$	0.068	kW	Crankcase heat	ter mode P <sub>CK</sub>		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- conditioner: N flow rate, measured		15000	m <sup>3</sup> /	h
Sound power level, outdoor	$L_{WA}$	81	dB					
if engine driven: Emissions of nitrogen oxides			mg/kWh fuel input GCV					
GWP of the refrigerant		2088	kg CO <sub>2 ep</sub> (100 years)					
Contact details	AIR-CO 5-66,Teb	NDITION oira 6 Cho	NING & REF ome,Wakayar	na-City 640-8680				
** If C <sub>d</sub> is not determine	ed by mea	surement	then the defa	ault degradation	coefficient air con	iditioners sha	all be 0.2	25.
Where information rela-								
basis of the performance	e of the ou	utdoor un	it, with a con	nbination of indo	or unit(s) recomm	nended by the	e manufa	acturer or

importer.

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

Model(s): Information to identify the model(s) to which the information relates: Outdoor:PURY-P350YNW-A2/TR2/RU2(-BS) Indoor:PEFY-M63VMA-A1×4 units, PEFY-M50VMA-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 Seasonal space heating kW Rated heating capacity P<sub>rated,h</sub> 40.00 138.0 % energy efficiency Declared coefficient of performance or gas utilization Declared heating capacity for part load at indoor efficiency / auxiliary energy factor for part load at given temperature 20 °C and outdoor temperature T<sub>i</sub> outdoor temperatures T<sub>i</sub>  $T_i = -7$  °C 12.56  $T_i = -7$  °C  $COP_d$ 2.06 Pdh kW %  $T_i = +2 \, ^{\circ}C$ Pdh  $T_i = +2 \, ^{\circ}C$ <del>%</del> 7.65 kW  $COP_d$ 3.14  $T_i = +7$  °C Pdh  $T_i = +7$  °C 4.92 kW  $COP_d$ 6.03 %  $T_{i} = +12 \, {}^{\circ}\text{C}$ Pdh 4.91 kW  $T_i = +12 \, {}^{\circ}\text{C}$  $COP_d$ 6.76 <u>%</u>  $T_i = bivalent$  $T_i = bivalent$ Pdh 14.20 kW  $COP_d$ 1.86 % temperature temperature  $T_i$  = operation limit Pdh 14.20 kW  $T_i = operation limit$ COP<sub>4</sub> 1.86 0/0 For water-to-air heat For air-to-water heat pumps:  $T_i = -15$  °C (if pumps:  $T_i = -15$  °C (if Pdh kW  $COP_d$ %  $T_{OL} < -20 \, {}^{\circ}C)$  $T_{OL} < -20 \, ^{\circ}C$ For water-to-air heat  $T_{\text{biv}}$ Bivalent temperature -10.0 °C pumps: Operation limit  $T_{ol}$  $^{\circ}C$ temperature co- C<sub>dh</sub> Degradation 0.25 efficient heat pumps\*\* Power consumption in modes other than 'active mode' Supplementary heater Electric back-up Off mode POFF 0.068 kW 0.000 kW elbu heating capacity \* 0.130 Thermostat-off mode  $P_{TO}$ kW Type of energy input Crankcase heater mode P<sub>CK</sub> 0.025 kW Standby mode  $P_{SB}$ 0.145 kW Other items For heat air-to-air pumps: Nominal air 15000 Capacity control variable m³/h flow rate, outdoor measured Sound power level. For water-/brine-to-air 83 dΒ Rated indoor outdoor L<sub>WA</sub> pumps: brine flow m<sup>3</sup>/h measured or water Emissions of nitrogen rate, outdoor heat NO, mg/kWh oxides (if applicable) exchanger kg CO<sub>2</sub> ep 2088 GWP of the refrigerant (100 years) MITSUBISHI ELECTRIC CORPORATION Contact details AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66, Tebira 6 Chome, Wakayama-City 640-8686, Japan \*\* If C<sub>d</sub> 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

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

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Model(s): Information to										
				do	or:PEFY-M71VMA-A1×2 uni	its, PEF	Y-M63	VMA-A	1×4 units	
Outdoor heat exchanger				_						
Indoor heat exchanger o				_						
Type: compressor driver				_						
if applicable: driver of c				_	T. C. 1	1		3.7.1	TT '.	
Item	Symbol	Value	Unit		Item Symb	001		Value	Unit	
Rated cooling capacity	$P_{\text{rated,c}}$	45.00	kW		Seasonal space cooling $\eta_{s,c}$ energy efficiency			229.0	%	
Declared cooling capa	city for	part load	d at given		Declared energy efficiency ra	tio or g	as utiliz	zation e	fficiency /	
outdoor temperatures T <sub>j</sub>	and indoo	or 27º/19º	°C (dry/wet		auxiliary energy factor for	part	load a	t givei	n outdoor	
bulb)					temperatures T <sub>j</sub>					
$T_i = +35  ^{\circ}\text{C}$	Pdc	45.00	kW		$T_j = +35  ^{\circ}\text{C}$ EER <sub>c</sub>	i		2.29	<del>%</del>	
$T_{i} = +30  {}^{\circ}\text{C}$	Pdc	33.16	kW		$T_j = +30  ^{\circ}\text{C}$ EER <sub>c</sub>	ı		4.05	<del>%</del>	
$T_i = +25  ^{\circ}C$	Pdc	21.32	kW		$T_j = +25 ^{\circ}\text{C}$ EER <sub>d</sub>			6.74	<del>%</del>	
$T_i = +20  ^{\circ}\text{C}$	Pdc	11.42	kW		$T_i = +20 ^{\circ}\text{C}$ EER <sub>d</sub>			14.89	<del>%</del>	
	1 dc	11.72	-			1		14.07	- 70	
Degradation co- efficient air	$C_d$	0.25	†  -							
Power consumption in modes other than 'active mode'										
Off mode	$P_{OFF}$	0.068	kW		Crankcase heater mode P <sub>Ck</sub>	_		0.025	kW	
Thermostat-off mode	P <sub>TO</sub>		kW		Standby mode $P_{SB}$			0.023	kW	
Thermostat-off mode	r <sub>TO</sub>	0.025	- K W		Standay mode F <sub>SB</sub>	3		0.008	K VV	
Other items										
				П	For air-to-air air					
G '4 4 1	rramialala				conditioner: Nominal air		1.(200	3	/1_	
Capacity control	variable				flow rate, outdoor		16200	m <sup>3</sup>	/ <b>II</b>	
					measured					
Sound power level, outdoor	L <sub>WA</sub>	83	dB							
if engine driven:			mg/kWh							
Emissions of nitrogen			fuel input							
oxides			GCV							
	$\vdash$			Н				_		
GWP of the refrigerant		2088	kg CO <sub>2 ep</sub> (100 years)							
					RPORATION					
Contact details					RIGERATION SYSTEMS WO	ORKS				
					a-City 640-8686,Japan					
					alt degradation coefficient air o					
Where information rela-	tes to mul	ti-split ai	r conditione	ers	, the test result and performar	nce data	may b	e obtair	ned on the	

basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or

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

Model(s): Information to identify the model(s) to which the information relates: Outdoor:PURY-P400YNW-A2/TR2/RU2(-BS) Indoor:PEFY-M71VMA-A1×2 units, PEFY-M63VMA-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 Seasonal space heating kW Rated heating capacity P<sub>rated,h</sub> 45.00 137.0 % energy efficiency Declared coefficient of performance or gas utilization Declared heating capacity for part load at indoor efficiency / auxiliary energy factor for part load at given temperature 20 °C and outdoor temperature T<sub>i</sub> outdoor temperatures T<sub>i</sub> 12.56  $T_i = -7$  °C  $COP_d$ Pdh kW 1.87 %  $T_i = +2 \, ^{\circ}C$ Pdh  $T_i = +2 \, ^{\circ}C$ <del>%</del> 7.65 kW  $COP_d$ 3.31  $T_i = +7$  °C Pdh  $T_i = +7$  °C 4.92 kW  $COP_d$ 5.81 %  $T_{i} = +12 \, {}^{\circ}\text{C}$ Pdh 5.60 kW  $T_i = +12 \, {}^{\circ}\text{C}$  $COP_d$ 6.12 <u>%</u>  $T_i = bivalent$  $T_i = bivalent$ Pdh 14.20 kW  $COP_d$ 1.86 % temperature temperature  $T_i$  = operation limit Pdh 14.20 kW  $T_i = operation limit$ COP<sub>4</sub> 1.86 0/0 For water-to-air heat For air-to-water heat pumps:  $T_i = -15$  °C (if pumps:  $T_i = -15$  °C (if Pdh kW  $COP_d$ %  $T_{OL} < -20 \, {}^{\circ}C)$  $T_{OL} < -20 \, ^{\circ}C$ For water-to-air heat  $T_{\text{biv}}$ Bivalent temperature -10.0 °C pumps: Operation limit  $T_{ol}$  $^{\circ}C$ temperature co- C<sub>dh</sub> Degradation 0.25 efficient heat pumps\*\* Power consumption in modes other than 'active mode' Supplementary heater Electric back-up Off mode POFF 0.068 kW 0.000 kW elbu heating capacity \* 0.130 Thermostat-off mode  $P_{TO}$ kW Type of energy input Crankcase heater mode P<sub>CK</sub> 0.025 kW Standby mode  $P_{SB}$ 0.145 kW Other items For air-to-air heat pumps: Nominal air 18900 Capacity control variable m³/h flow rate, outdoor measured Sound power level. For water-/brine-to-air outdoor L<sub>WA</sub> 88 dΒ Rated indoor pumps: flow m<sup>3</sup>/h measured brine or water Emissions of nitrogen rate, outdoor heat NO, mg/kWh oxides (if applicable) exchanger kg CO<sub>2</sub> ep 2088 GWP of the refrigerant (100 years) MITSUBISHI ELECTRIC CORPORATION Contact details AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66, Tebira 6 Chome, Wakayama-City 640-8686, Japan \*\* If C<sub>d</sub> 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

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

			ODCCI		11 014/11111011(1)						
Model(s): Information to	-										
				dc	or:PEFY-M63VMA-A1×4	units, PEF	Y-M50	VMA-A	1×4 units		
Outdoor heat exchanger				_							
Indoor heat exchanger of				_							
Type: compressor driver if applicable: driver of c				_							
	Symbol			_	Itam Cyr	mbol		Value	Unit		
Item	Syllibol	Value	Unit	ı				Value	I		
Rated cooling capacity	$P_{\text{rated,c}}$	50.00	kW		Seasonal space cooling $\eta_{s,c}$ energy efficiency	;		252.0	%		
Declared cooling capa	city for	part load	d at given	ĺ	Declared energy efficiency	ratio or g	as utiliz	zation et	ficiency /		
outdoor temperatures T <sub>j</sub>	and indo	or 27°/19	°C (dry/wet	ı	auxiliary energy factor	for part	load a	t given	outdoor		
bulb)			_		temperatures T <sub>j</sub>				_		
$T_j = +35  ^{\circ}\text{C}$	Pdc	50.00	kW		$T_j = +35  ^{\circ}\text{C}$ EE	$R_d$		2.52	<del>%</del>		
$T_{i} = +30  {}^{\circ}\text{C}$	Pdc	36.84	kW		$T_j = +30  ^{\circ}\text{C}$ EE	$R_d$		4.17	<del>%</del>		
$T_i = +25  {}^{\circ}\text{C}$	Pdc	23.68	kW		$T_i = +25 ^{\circ}\text{C}$ EE	$R_d$		7.39	<del>%</del>		
$T_{i} = +20  {}^{\circ}\text{C}$	Pdc	11.78	kW	ı		$R_d$		18.88	<del>%</del>		
J .			1	ı	J	u			1′		
Degradation co-	~	l	1	ı					1		
efficient air	$C_d$	0.25	-	ı							
Power consumption in modes other than 'active mode'											
Power consumption in n	nodes othe	er than 'ac	ctive mode'								
Off mode	$P_{OFF}$	0.076	kW		Crankcase heater mode I	CK		0.028	kW		
Thermostat-off mode	$P_{TO}$	0.028	kW	ı	Standby mode I	SB		0.076	kW		
			1	ı							
Other items			•	ĺ							
					For air-to-air air						
Capacity control	variable				conditioner: Nominal air		16200	m³/	/h		
Capacity control	variable				flow rate, outdoor		10200	111 /	11		
				L	measured						
Sound power level,	L <sub>WA</sub>	83	dB	ı							
outdoor	ZwA .			L							
if engine driven:			mg/kWh								
Emissions of nitrogen		_	fuel input								
oxides	^		GCV								
				L							
GWP of the refrigerant		2088	kg CO <sub>2</sub> ep	ı							
S.71 of the ferrigerant		2000	(100 years)								
	MITSUB	BISHI EL	ECTRIC CO	ΟF	RPORATION						
Contact details	AIR-CO	NDITION	NING & RE	FI	RIGERATION SYSTEMS V	VORKS					
					a-City 640-8686,Japan						
** If C <sub>d</sub> is not determine	ed by mea	surement	then the de	fa	ult degradation coefficient a	ir conditio	ners sha	all be $0.2$	25.		
Where information relation	tag ta mul	ti anlit ai	n aanditian	<b>.</b> *.	the test result and perform	onaa data	morr h	a abtain	ad on the		

mporter.

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

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

Model(s): Information to identify the model(s) to which the information relates:

Outdoor:PURY-P450YNW-A2/TR2/RU2(-BS) Indoor:PEFY-M63VMA-A1×4 units, PEFY-M50VMA-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

importer.

optional.							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	$P_{\text{rated},h}$	50.00	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	137.0	
Declared heating capa temperature 20 °C and c				Declared coefficient o efficiency / auxiliary er outdoor temperatures T <sub>i</sub>	•	-	
$T_j = -7$ °C $T_j = +2$ °C $T_j = +7$ °C $T_j = +12$ °C $T_j = \text{bivalent}$ temperature $T_j = \text{operation limit}$ For air-to-water heat pumps: $T_j = -15$ °C (if $T_{OL} < -20$ °C)		15.13 9.21 5.92 5.65 17.10 17.10	kW kW kW kW kW kW	$T_j = -7$ °C $T_j = +2$ °C $T_j = +7$ °C $T_j = +12$ °C $T_j = bivalent$ temperature $T_j = operation limit$ For water-to-air heat  pumps: $T_j = -15$ °C (if $T_{OL} < -20$ °C)  For water-to-air heat  pumps: Operation limit  temperature	$COP_d$ $COP_d$ $COP_d$ $COP_d$ $COP_d$ $T_{ol}$	1.81 3.36 5.82 6.05 1.69	% % % % %
Degradation co- efficient heat pumps** Power consumption in n	C <sub>dh</sub>	0.25	-	Supplementary heater			
_			1	Supplementary heater  Electric back-up	11	0.000	], ,,,
Off mode	P <sub>OFF</sub>		kW	heating capacity *	elbu	0.000	kW
Thermostat-off mode Crankcase heater mode	$P_{TO}$ $P_{CK}$	0.139	kW kW	Type of energy input Standby mode	$P_{SB}$	0.153	kW
Other items					ļ		
Capacity control	variable			For air-to-air heat pumps: Nominal air flow rate, outdoor measured	- 18900	m³,	/h
Sound power level, indoor / outdoor measured	$L_{WA}$	89	dB	For water-/brine-to-air heat pumps: Rated brine or water flow		$m^3$	/h
Emissions of nitrogen oxides (if applicable)	NO <sub>x</sub>	-	mg/kWh	rate, outdoor heat exchanger			
GWP of the refrigerant		2088	kg CO <sub>2 ep</sub> (100 years)				
Contact details  ** If C <sub>d</sub> is not determine	AIR-CO: 5-66,Teb	NDITION oira 6 Cho	IING & RE me,Wakaya	DRPORATION FRIGERATION SYSTEMS ma-City 640-8686,Japan			

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

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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

Model(s): Information to				the information relates: DYNW-A2/TR2/RU2(-BS	) Indoor:PEEV M6	23/MA A	1 × Q unite			
Outdoor heat exchanger				1 N W -AZ/ 1 NZ/ NOZ(-DS	) IIIuuui 1 -1vio.	3 V 1V171-73	.1^0 uiiio			
Indoor heat exchanger of										
Type: compressor driver										
if applicable: driver of c										
	Symbol	Value		Item	Symbol	Value	Unit			
Rated cooling capacity	P <sub>rated,c</sub>	56.00	kW	Seasonal space cooling energy efficiency	$\dot{\eta}_{ m s,c}$	246.0	%			
Declared cooling capa	city for	part load	d at given	Declared energy efficie	ncy ratio or gas util	ization ef	ficiency /			
outdoor temperatures T <sub>j</sub>				auxiliary energy facto			-			
bulb)			_	temperatures T <sub>j</sub>			_			
J	Pdc	56.00	kW	$T_j = +35  ^{\circ}\text{C}$	$EER_d$	2.52	<del>%</del>			
	Pdc	41.26	kW	$T_{j} = +30  {}^{\circ}\text{C}$	$EER_d$	3.82	<del>%</del>			
	Pdc	26.53	kW	$T_j = +25  ^{\circ}\text{C}$	$EER_d$	8.08	<del>%</del>			
	Pdc	12.80	kW	$T_{i} = +20  {}^{\circ}\text{C}$	$EER_d$	15.27	<del>%</del>			
			1	'			1			
Degradation co- efficient air	$C_d$	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	<del>-</del>				<del>_</del>					
Capacity control	variable			For air-to-air a conditioner: Nominal a flow rate, outdo measured	1- 117700	m <sup>3</sup> /	'h			
Sound power level, outdoor	$L_{WA}$	82	dB							
if engine driven: Emissions of nitrogen oxides		-	mg/kWh fuel input GCV							
GWP of the refrigerant		2088	kg CO <sub>2 ep</sub> (100 years)							
				RPORATION						
Contact details				RIGERATION SYSTEM	IS WORKS					
** TCO : 1.4				ma-City 640-8686,Japan	1141	11.1 0.7	<u> </u>			
				ault degradation coefficien						
		-		rs, the test result and peri	•					
basis of the performance	e of the or	ataoor uni	it, with a com	nbination of indoor unit(s)	) recommended by t	ne manuī	acturer or			

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

Model(s): Information to identify the model(s) to which the information relates: Outdoor:PURY-P500YNW-A2/TR2/RU2(-BS) Indoor:PEFY-M63VMA-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 Seasonal space heating kW Rated heating capacity P<sub>rated,h</sub> 56.00 137.0 % energy efficiency Declared coefficient of performance or gas utilization Declared heating capacity for part load at indoor efficiency / auxiliary energy factor for part load at given temperature 20 °C and outdoor temperature T<sub>i</sub> outdoor temperatures T<sub>i</sub> Pdh 18.82  $T_i = -7$  °C  $COP_d$ kW 2.18 %  $T_i = +2 \, ^{\circ}C$ Pdh  $T_i = +2 \, ^{\circ}C$ 3.30 <del>%</del> 11.46 kW  $COP_d$  $T_i = +7$  °C Pdh  $T_i = +7$  °C 7.37 kW  $COP_d$ 5.21 %  $T_{i} = +12 \, {}^{\circ}\text{C}$ Pdh 6.51 kW  $T_i = +12 \, {}^{\circ}C$  $COP_d$ 5.90 <u>%</u>  $T_i = bivalent$  $T_i = bivalent$ Pdh 21.28 kW  $COP_d$ 1.56 % temperature temperature  $T_i$  = operation limit 21.28 kW  $T_i = operation limit$ COP<sub>4</sub> 1.56 0/0 For water-to-air heat For air-to-water heat pumps:  $T_i = -15$  °C (if pumps:  $T_i = -15$  °C (if Pdh kW  $COP_d$ %  $T_{OL} < -20 \, {}^{\circ}C)$  $T_{OL} < -20 \, ^{\circ}C$ For water-to-air heat  $T_{\text{biv}}$ Bivalent temperature -10.0 °C pumps: Operation limit  $T_{ol}$  $^{\circ}C$ temperature co- C<sub>dh</sub> Degradation 0.25 efficient heat pumps\*\* Power consumption in modes other than 'active mode' Supplementary heater Electric back-up Off mode POFF 0.076 kW 0.000 kW elbu heating capacity \* 0.147 Thermostat-off mode  $P_{TO}$ kW Type of energy input Crankcase heater mode P<sub>CK</sub> 0.028 kW Standby mode  $P_{SB}$ 0.153 kW Other items For air-to-air heat pumps: Nominal air Capacity control variable 17700 m<sup>3</sup>/h flow rate, outdoor measured Sound power level. water-/brine-to-air outdoor L<sub>WA</sub> dΒ Rated indoor pumps: flow m<sup>3</sup>/h measured brine or water Emissions of nitrogen rate, outdoor heat NO, mg/kWh oxides (if applicable) exchanger kg CO<sub>2</sub> ep 2088 GWP of the refrigerant (100 years) MITSUBISHI ELECTRIC CORPORATION Contact details AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66, Tebira 6 Chome, Wakayama-City 640-8686, Japan \*\* If C<sub>d</sub> 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

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

					MITORMATION(I)			
Model(s): Information to	o identify					DEEX M71	1 7 7 M A	A 1 × 0
Outdoor heat exchanger	of air cor			30	YNW-A2/TR2/RU2(-BS) Indoor:F	EF I-IVI/I	V WIA-	A1×8 umis
Indoor heat exchanger of								
Type: compressor driver								
if applicable: driver of c								
Item	Symbol		Unit		Item Symbol		Value	Unit
Rated cooling capacity	P <sub>rated,c</sub>	60.00	kW		Seasonal space cooling $\eta_{s,c}$ energy efficiency		247.0	%
Declared cooling capa	city for	part loa	d at given	1	Declared energy efficiency ratio of	or gas utili	zation	efficiency /
outdoor temperatures T <sub>j</sub> bulb)	and indo	or 27°/19	°C (dry/wet		auxiliary energy factor for pa temperatures T <sub>i</sub>	rt load a	at give	en outdoor
$T_i = +35  ^{\circ}\text{C}$	Pdc	60.00	kW	l	$T_j = +35  ^{\circ}\text{C}$ EER <sub>d</sub>		2.32	<del>%</del>
$T_{j} = +30  {}^{\circ}\text{C}$	Pdc	44.21	kW	l	$T_j = +30  ^{\circ}\text{C}$ EER <sub>d</sub>		3.87	<del>%</del>
$T_{i} = +25  {}^{\circ}\text{C}$	Pdc	28.42	kW		$T_j = +25  ^{\circ}\text{C}$ EER <sub>d</sub>		8.17	<del>%</del>
$T_j = +20  ^{\circ}C$	Pdc	13.01	kW		$T_j = +20  ^{\circ}\text{C}$ EER <sub>d</sub>		15.51	<del>%</del>
Degradation co- efficient air	$C_d$	0.25	-					
Power consumption in n	nodes othe	er than 'ac	tive mode'					
Off mode Thermostat-off mode	$\begin{array}{c} P_{OFF} \\ P_{TO} \end{array}$	0.076	kW kW				0.028 0.076	
Other items				ı				
Capacity control	variable				For air-to-air air conditioner: Nominal air flow rate, outdoor measured	24600	m	1 <sup>3</sup> /h
Sound power level, outdoor	$L_{WA}$	89	dB					
if engine driven: Emissions of nitrogen oxides		-	mg/kWh fuel input GCV					
GWP of the refrigerant		2088	kg CO <sub>2 ep</sub> (100 years)					
Contact details	AIR-COI 5-66,Teb	NDITION ira 6 Cho	IING & RE me,Wakaya	F] an	RPORATION RIGERATION SYSTEMS WORK na-City 640-8686,Japan			
					ult degradation coefficient air cond s, the test result and performance of			

basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.

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

Model(s): Information to identify the model(s) to which the information relates: Outdoor:PURY-P550YNW-A2/TR2/RU2(-BS) Indoor:PEFY-M71VMA-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 Seasonal space heating kW Rated heating capacity P<sub>rated,h</sub> 63.00 137.0 % energy efficiency Declared coefficient of performance or gas utilization Declared heating capacity for part load at indoor efficiency / auxiliary energy factor for part load at given temperature 20 °C and outdoor temperature T<sub>i</sub> outdoor temperatures T<sub>i</sub> 2.29 Pdh 21.18  $T_i = -7$  °C  $COP_d$ kW % 2.95  $T_i = +2 \, ^{\circ}C$ Pdh  $T_i = +2 \, ^{\circ}C$ <del>%</del> 12.89 kW  $COP_d$  $T_i = +7$  °C Pdh 8.29  $T_i = +7$  °C  $COP_d$ kW 6.00 %  $T_{i} = +12 \, {}^{\circ}\text{C}$ Pdh 6.52 kW  $T_i = +12 \, {}^{\circ}C$  $COP_d$ 7.32 <del>%</del>  $T_i = bivalent$  $T_i = bivalent$ Pdh 23.94 kW  $COP_d$ 1.71 % temperature temperature  $T_i$  = operation limit 23.94 kW  $T_i = operation limit$ COP<sub>4</sub> 1.71 0/0 For water-to-air heat For air-to-water heat pumps:  $T_i = -15$  °C (if pumps:  $T_i = -15$  °C (if Pdh kW  $COP_d$ %  $T_{OL} < -20 \, {}^{\circ}C)$  $T_{OL} < -20 \, ^{\circ}C$ For water-to-air heat  $T_{biv}$ Bivalent temperature -10.0 °C pumps: Operation limit  $T_{ol}$  $^{\circ}C$ temperature co- C<sub>dh</sub> Degradation 0.25 efficient heat pumps\*\* Power consumption in modes other than 'active mode' Supplementary heater Electric back-up Off mode POFF 0.076 kW 0.000 kW elbu heating capacity \* 0.147 Thermostat-off mode  $P_{TO}$ kW Type of energy input  $P_{SB}$ Crankcase heater mode P<sub>CK</sub> 0.028 kW Standby mode 0.153 kW Other items For air-to-air heat pumps: Nominal air Capacity control variable 24600 m³/h flow rate, outdoor measured Sound power level. water-/brine-to-air 89 dΒ Rated indoor outdoor L<sub>WA</sub> pumps: brine flow m<sup>3</sup>/h measured or water Emissions of nitrogen rate, outdoor heat NO, mg/kWh oxides (if applicable) exchanger kg CO<sub>2</sub> ep 2088 GWP of the refrigerant (100 years) MITSUBISHI ELECTRIC CORPORATION Contact details AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66, Tebira 6 Chome, Wakayama-City 640-8686, Japan \*\* If C<sub>d</sub> 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

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

Model(s): Information to	•			the information relates: YNW-A2/TR2/RU2(-E		EV M50	 Μ.Μ.Δ.Δ	1×1 units		
Outdoor heat exchanger				1 IN W-AZ/ 1 KZ/ KUZ(-L	) IIIuooi.i L	Γ 1 -1V1.JU	V 1V177-73	1^4 umo		
Indoor heat exchanger o										
Type: compressor driver										
if applicable: driver of c										
Item	Symbol	Value		Item	Symbol		Value	Unit		
Rated cooling capacity	P <sub>rated,c</sub>	22.40	kW	Seasonal space coolin	$_{\eta_{s,c}}$		295.0	%		
Declared cooling capa	city for	part load	d at given	Declared energy effic	iency ratio or	gas utiliz	ation ef	ficiency /		
outdoor temperatures T <sub>j</sub>				auxiliary energy fac	ctor for part	load at	t given	outdoor		
bulb)				temperatures T <sub>j</sub>						
$T_j = +35  ^{\circ}\text{C}$	Pdc	22.40	kW	$T_j = +35  ^{\circ}\text{C}$	$EER_d$		3.51	<del>%</del>		
$T_j = +30  ^{\circ}\text{C}$	Pdc	16.51	kW	$T_j = +30  ^{\circ}\mathrm{C}$	$EER_d$		5.23	<del>%</del>		
$T_i = +25  {}^{\circ}\text{C}$	Pdc	10.61	kW	$T_j = +25  ^{\circ}C$	$EER_d$		10.05	<del>%</del>		
$T_{i} = +20  {}^{\circ}\text{C}$	Pdc	8.02	kW	$T_{i} = +20  {}^{\circ}\text{C}$	$EER_d$		14.78	<del>%</del>		
			1	J				1		
Degradation co- efficient air	$C_d$	0.25	-  -  -					• 		
Power consumption in modes other than 'active mode'										
Off mode	$P_{OFF}$	0.048	kW	Crankcase heater mod	le P <sub>CK</sub>		0.018	kW		
Thermostat-off mode	$P_{TO}$	0.018	kW	Standby mode	$P_{SB}$		0.048	kW		
			1							
Other items										
Capacity control	variable			For air-to-air conditioner: Nominal flow rate, out measured	air l air door	10200	m <sup>3</sup> /	h		
Sound power level, outdoor	L <sub>WA</sub>	76	dB							
if engine driven: Emissions of nitrogen oxides		-	mg/kWh fuel input GCV							
GWP of the refrigerant		2088	kg CO <sub>2 ep</sub> (100 years)							
				RPORATION						
Contact details				RIGERATION SYSTE						
## ICC : . 1 . :				na-City 640-8686,Japan		1	11.1 0.4	25		
** If C <sub>d</sub> is not determine										
Where information relat				-		-				
basis of the performance	e of the or	atdoor un	it, with a com	ibination of indoor unit	(s) recommend	led by the	e manut	acturer or		

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

Model(s): Information to identify the model(s) to which the information relates: Outdoor:PURY-EP200YNW-A2/TR2/RU2(-BS) Indoor:PEFY-M50VMA-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 Seasonal space heating kW Rated heating capacity P<sub>rated,h</sub> 22.40 137.0 % energy efficiency Declared coefficient of performance or gas utilization Declared heating capacity for part load at indoor efficiency / auxiliary energy factor for part load at given temperature 20 °C and outdoor temperature T<sub>i</sub> outdoor temperatures T<sub>i</sub>  $T_i = -7$  °C Pdh 11.28 kW  $T_i = -7$  °C  $COP_d$ 1.70 %  $T_i = +2$  °C  $T_i = +2 \, ^{\circ}C$ Pdh <del>%</del> 6.87 kW  $COP_d$ 3.51  $T_i = +7$  °C Pdh  $T_i = +7$  °C  $COP_d$ 5.28 4.41 kW %  $T_{i} = +12 \, {}^{\circ}\text{C}$ Pdh 4.12 kW  $T_i = +12 \, {}^{\circ}C$  $COP_d$ 7.00 <u>%</u>  $T_i = bivalent$  $T_i = bivalent$ Pdh 12.75 kW  $COP_d$ % 1.68 temperature temperature  $T_i$  = operation limit 12.75 kW  $T_i = operation limit$ COP<sub>4</sub> 1.68 0/0 For water-to-air heat For air-to-water heat pumps:  $T_i = -15$  °C (if pumps:  $T_i = -15$  °C (if Pdh kW  $COP_d$ <del>%</del>  $T_{OL} < -20 \, {}^{\circ}C)$  $T_{OL} < -20 \, ^{\circ}C$ For water-to-air heat  $T_{\text{biv}} \\$ Bivalent temperature -10.0 °C pumps: Operation limit  $T_{ol}$  $^{\circ}C$ temperature co- C<sub>dh</sub> Degradation 0.25 efficient heat pumps\*\* Power consumption in modes other than 'active mode' Supplementary heater Electric back-up Off mode POFF 0.048 kW 0.000 kW elbu heating capacity \* 0.110 Thermostat-off mode  $P_{TO}$ kW Type of energy input Crankcase heater mode P<sub>CK</sub> 0.018 kW Standby mode  $P_{SB}$ 0.125 kW Other items For air-to-air heat pumps: Nominal air Capacity control variable 10200 m³/h flow outdoor rate, measured Sound power level. water-/brine-to-air 76 dΒ Rated indoor outdoor L<sub>WA</sub> pumps: brine or water flow m<sup>3</sup>/h measured Emissions of nitrogen rate, outdoor heat NO, mg/kWh oxides (if applicable) exchanger kg CO<sub>2</sub> ep 2088 GWP of the refrigerant (100 years) MITSUBISHI ELECTRIC CORPORATION Contact details AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66, Tebira 6 Chome, Wakayama-City 640-8686, Japan \*\* If C<sub>d</sub> 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

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

Model(s): Information to	identify				he information relates:				
Outdoor:PURY-EP250YNW-A2/TR2/RU2(-BS) Indoor:PEFY-M63VMA-A1×4 units									
Outdoor heat exchanger									
Indoor heat exchanger o				_					
Type: compressor driver				_					
if applicable: driver of c				_					
Item	Symbol	Value	Unit			mbol		Value	Unit
Rated cooling capacity	$P_{\text{rated,c}}$	28.00	kW		Seasonal space cooling $\eta_{s,}$ energy efficiency	с		279.0	%
Declared cooling capa		_	-		Declared energy efficiency	ratio or g	as utiliz	zation et	ficiency /
outdoor temperatures T <sub>j</sub>	and indoo	or 27º/19º	°C (dry/wet		auxiliary energy factor	for part	load a	t given	outdoor
bulb)			_		temperatures T <sub>j</sub>				_
$T_j = +35  ^{\circ}\text{C}$	Pdc	28.00	kW		$T_j = +35  ^{\circ}\text{C}$ EH	$ER_d$		2.87	<del>%</del>
$T_{j} = +30  {}^{\circ}\text{C}$	Pdc	20.63	kW		$T_j = +30  ^{\circ}\text{C}$ EF	$ER_d$		5.00	<del>%</del>
$T_i = +25  ^{\circ}C$	Pdc	13.26	kW		$T_j = +25  ^{\circ}\text{C}$ EF	$ER_d$		9.12	<del>%</del>
$T_i = +20  {}^{\circ}\text{C}$	Pdc	7.32	kW			$ER_d$		14.51	<del>%</del>
,			1		J				1
Degradation co- efficient air	$C_d$	0.25	]-						
Power consumption in modes other than 'active mode'									
Off mode	$P_{OFF}$	0.048	kW		Crankcase heater mode	$P_{CK}$		0.018	kW
Thermostat-off mode	$P_{TO}$	0.018	kW		Standby mode	$P_{SB}$		0.048	kW
			1						
Other items									
Capacity control	variable				For air-to-air air conditioner: Nominal air flow rate, outdoor measured		11100	m <sup>3</sup> /	'h
Sound power level, outdoor	L <sub>WA</sub>	78	dB						
if engine driven: Emissions of nitrogen oxides	NO <sub>x</sub>		mg/kWh fuel input GCV						
Emissions of nitrogen oxides (if applicable)	NO <sub>x</sub>	-	mg/kWh						
GWP of the refrigerant		2088	kg CO <sub>2 ep</sub> (100 years)						
	MITSUB	ISHI ELI	ECTRIC CO	)R	PORATION			•	
Contact details					LIGERATION SYSTEMS V	WORKS			
					a-City 640-8686,Japan				
** If C <sub>d</sub> 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

Model(s): Information to identify the model(s) to which the information relates: Outdoor:PURY-EP250YNW-A2/TR2/RU2(-BS) Indoor:PEFY-M63VMA-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 Seasonal space heating kW Rated heating capacity P<sub>rated,h</sub> 28.00 137.0 % energy efficiency Declared coefficient of performance or gas utilization Declared heating capacity for part load at indoor efficiency / auxiliary energy factor for part load at given temperature 20 °C and outdoor temperature T<sub>i</sub> outdoor temperatures T<sub>i</sub>  $T_i = -7$  °C 11.28 kW  $T_i = -7$  °C  $COP_d$ Pdh 1.50 %  $T_i = +2 \, ^{\circ}C$ Pdh  $T_i = +2 \, ^{\circ}C$ <u>%</u> 6.87 kW  $COP_d$ 3.51  $T_i = +7$  °C Pdh  $T_i = +7$  °C 4.41 kW  $COP_d$ 5.94 %  $T_{i} = +12 \, {}^{\circ}\text{C}$ Pdh 3.60 kW  $T_i = +12 \, {}^{\circ}\text{C}$  $COP_d$ <del>%</del> 6.68  $T_i = bivalent$  $T_i = bivalent$ Pdh 12.75 kW  $COP_d$ 1.68 % temperature temperature  $T_i$  = operation limit Pdh 12.75 kW  $T_i = operation limit$ COP<sub>4</sub> 1.68 0/0 For water-to-air heat For air-to-water heat pumps:  $T_i = -15$  °C (if pumps:  $T_i = -15$  °C (if Pdh kW  $COP_d$ %  $T_{OL} < -20 \, {}^{\circ}C)$  $T_{OL} < -20 \, ^{\circ}C$ For water-to-air heat  $T_{\text{biv}}$ Bivalent temperature -10.0 °C pumps: Operation limit  $T_{ol}$  $^{\circ}C$ temperature co- C<sub>dh</sub> Degradation 0.25 efficient heat pumps\*\* Power consumption in modes other than 'active mode' Supplementary heater Electric back-up Off mode POFF 0.048 kW 0.000 kW elbu heating capacity \* 0.110 Thermostat-off mode  $P_{TO}$ kW Type of energy input Crankcase heater mode P<sub>CK</sub> 0.018 kW Standby mode  $P_{SB}$ 0.125 kW Other items For air-to-air heat pumps: Nominal air Capacity control variable 11100 m³/h flow rate, outdoor measured Sound power level. For water-/brine-to-air outdoor L<sub>WA</sub> 80 dΒ Rated indoor pumps: brine flow m<sup>3</sup>/h measured or water Emissions of nitrogen rate, outdoor heat NO, mg/kWh oxides (if applicable) exchanger kg CO<sub>2</sub> ep 2088 GWP of the refrigerant (100 years) MITSUBISHI ELECTRIC CORPORATION Contact details AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66, Tebira 6 Chome, Wakayama-City 640-8686, Japan \*\* If C<sub>d</sub> 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

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

Model(s): Information to	-			the information relates		EV M50V		1×6 unite		
Outdoor heat exchanger				1 NW-A2/1 N2/NO2(-1	33) IIIUUUI.1 L	Γ I -1VI3U V	V IVIA-A	1^0 units		
Indoor heat exchanger o										
Type: compressor driver										
if applicable: driver of c										
Item	Symbol	Value		Item	Symbol		Value	Unit		
Rated cooling capacity	P <sub>rated,c</sub>	33.50	kW	Seasonal space cooli energy efficiency	$^{\mathrm{ng}}_{\eta_{\mathrm{s,c}}}$		256.0	%		
Declared cooling capa	city for	part load	d at given	Declared energy effic	ciency ratio or	gas utiliz	ation ef	ficiency /		
outdoor temperatures T <sub>j</sub>				auxiliary energy fa	ctor for part	load at	given	outdoor		
bulb)				temperatures T <sub>j</sub>		_				
$T_j = +35  ^{\circ}\text{C}$	Pdc	33.50	kW	$T_j = +35  ^{\circ}\text{C}$	$EER_d$	[	2.99	<del>%</del>		
$T_j = +30  ^{\circ}\text{C}$	Pdc	24.68	kW	$T_j = +30  ^{\circ}C$	$EER_d$	[	4.59	<del>%</del>		
$T_i = +25  {}^{\circ}\text{C}$	Pdc	15.87	kW	$T_j = +25  ^{\circ}C$	$EER_d$	Ī	8.18	<del>%</del>		
$T_{i} = +20  {}^{\circ}\text{C}$	Pdc	9.37	kW	$T_{i} = +20  {}^{\circ}\text{C}$	$EER_d$	1	12.45	<del>%</del>		
J			1		=	ľ		1,**		
Degradation co- efficient air	$C_d$	0.25								
Power consumption in modes other than 'active mode'										
Off mode	$P_{OFF}$	0.056	kW	Crankcase heater mod	de P <sub>CK</sub>		0.021	kW		
Thermostat-off mode	$P_{TO}$	0.021	kW	Standby mode	$P_{\mathrm{SB}}$		0.056	kW		
			1							
Other items										
Capacity control	variable			For air-to-air conditioner: Nomina flow rate, out measured	air 1 air door	12000	m <sup>3</sup> /	h		
Sound power level, outdoor	L <sub>WA</sub>	80	dB							
if engine driven: Emissions of nitrogen oxides		-	mg/kWh fuel input GCV							
GWP of the refrigerant		2088	kg CO <sub>2 ep</sub> (100 years)							
				RPORATION	_					
Contact details				RIGERATION SYSTE						
the ICC : 11				ma-City 640-8686,Japan			11.1 0.0			
** If C <sub>d</sub> is not determine										
Where information relat				-		-				
basis of the performance	e of the or	atdoor un	it, with a com	ibination of indoor unit	(s) recommend	ded by the	: manut	acturer or		

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

Model(s): Information to identify the model(s) to which the information relates: Outdoor:PURY-EP300YNW-A2/TR2/RU2(-BS) Indoor:PEFY-M50VMA-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 Seasonal space heating 33.50 Rated heating capacity P<sub>rated,h</sub> kW 138.0 % energy efficiency Declared coefficient of performance or gas utilization Declared heating capacity for part load at indoor efficiency / auxiliary energy factor for part load at given temperature 20 °C and outdoor temperature T<sub>i</sub> outdoor temperatures T<sub>i</sub> Pdh 11.28 kW  $T_i = -7$  °C  $COP_d$ 1.62 %  $T_i = +2 \, ^{\circ}C$ Pdh  $T_i = +2 \, ^{\circ}C$ <del>%</del> 6.87 kW  $COP_d$ 3.51  $T_i = +7$  °C Pdh  $T_i = +7$  °C 5.90 4.41 kW  $COP_d$ %  $T_{i} = +12 \, {}^{\circ}\text{C}$ Pdh 5.52 kW  $T_i = +12 \, {}^{\circ}C$  $COP_d$ 6.77 <del>%</del>  $T_i = bivalent$  $T_i = bivalent$ Pdh 12.75 kW  $COP_d$ % 1.68 temperature temperature  $T_i$  = operation limit 12.75 kW  $T_i = operation limit$ COP<sub>4</sub> 1.68 0/0 For water-to-air heat For air-to-water heat pumps:  $T_i = -15$  °C (if pumps:  $T_i = -15$  °C (if Pdh kW  $COP_d$ %  $T_{OL} < -20 \, {}^{\circ}C)$  $T_{OL} < -20 \, ^{\circ}C$ For water-to-air heat  $T_{\text{biv}}$ Bivalent temperature -10.0 °C pumps: Operation limit  $T_{ol}$  $^{\circ}C$ temperature co- C<sub>dh</sub> Degradation 0.25 efficient heat pumps\*\* Power consumption in modes other than 'active mode' Supplementary heater Electric back-up Off mode POFF 0.056 kW 0.000 kW elbu heating capacity \* 0.119 Thermostat-off mode  $P_{TO}$ kW Type of energy input  $P_{SB}$ Crankcase heater mode P<sub>CK</sub> 0.021 kW Standby mode 0.134 kW Other items For air-to-air heat pumps: Nominal air Capacity control variable 14400 m³/h flow rate, outdoor measured Sound power level. For water-/brine-to-air outdoor L<sub>WA</sub> 86 dΒ Rated indoor pumps: brine flow m<sup>3</sup>/h measured or water Emissions of nitrogen rate, outdoor heat NO, mg/kWh oxides (if applicable) exchanger kg CO<sub>2</sub> ep 2088 GWP of the refrigerant (100 years) MITSUBISHI ELECTRIC CORPORATION Contact details AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66, Tebira 6 Chome, Wakayama-City 640-8686, Japan \*\* If C<sub>d</sub> 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

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

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Model(s): Information to	•		` /			PEEX	7.34501		12
Outdoor:PURY-EP35 Outdoor heat exchanger				do	or:PEFY-M63VMA-A1×4 unit	s, PEFY	<u>r-M50'</u>	VMA-A	1×2 units
Indoor heat exchanger o									
Type: compressor driver									
if applicable: driver of compressor: electric motor									
Item	Symbol	Value		_	Item Symbo	ol		Value	Unit
Rated cooling capacity	•	40.00	kW		Seasonal space cooling $\eta_{s,c}$ energy efficiency			238.0	%
Declared cooling capa	icity for	part loa	d at given		Declared energy efficiency rat	io or ga	ıs utiliz	ation e	fficiency /
outdoor temperatures T <sub>j</sub> and indoor 27°/19°C (dry/wet bulb)					auxiliary energy factor for temperatures T <sub>i</sub>	_			-
$T_j = +35  ^{\circ}\text{C}$	Pdc	40.00	$\rceil_{\mathrm{kW}}$		$T_j = +35  ^{\circ}\text{C}$ EER <sub>d</sub>			2.81	<u>%</u>
$T_i = +30  ^{\circ}\text{C}$	Pdc	29.47	kW		$T_j = +30  ^{\circ}\text{C}$ EER <sub>d</sub>			4.07	<del>%</del>
$T_i = +25  ^{\circ}C$	Pdc	18.95	kW		$T_i = +25  ^{\circ}\text{C}$ EER <sub>d</sub>			6.95	<del>%</del>
$T_j = +20  ^{\circ}C$	Pdc	9.67	kW		$T_j = +20  ^{\circ}\text{C}$ EER <sub>d</sub>			14.58	<del>%</del>
Degradation co- efficient air	$C_d$	0.25	-						-
Power consumption in n	nodes othe	r than 'ac	ctive mode'						
Off mode	$P_{OFF}$	0.068	kW		Crankcase heater mode P <sub>CK</sub>			0.025	kW
Thermostat-off mode	$P_{TO}$	0.025	kW		Standby mode P <sub>SB</sub>			0.068	kW
Other items				Ц					
Capacity control	variable				For air-to-air air conditioner: Nominal air flow rate, outdoor measured	1	5000	m³,	/h
Sound power level, outdoor	L <sub>WA</sub> 8	81	dB						
if engine driven: Emissions of nitrogen oxides		-	mg/kWh fuel input GCV						
GWP of the refrigerant		2088	kg CO <sub>2 ep</sub> (100 years)						
Contact details	AIR-CON 5-66,Tebi	NDITION ira 6 Cho	ome,Wakayan	FR	LIGERATION SYSTEMS WO a-City 640-8686,Japan				
					ılt degradation coefficient air co				
		_			, the test result and performance		-		
basis of the performance	e of the ou	tdoor un	it, with a con	mŀ	pination of indoor unit(s) recom	ımended	d by the	e manuf	facturer or

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

Model(s): Information to identify the model(s) to which the information relates: Outdoor:PURY-EP350YNW-A2/TR2/RU2(-BS) Indoor:PEFY-M63VMA-A1×4 units, PEFY-M50VMA-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 Seasonal space heating 40.00 kW Rated heating capacity P<sub>rated,h</sub> 139.0 % energy efficiency Declared coefficient of performance or gas utilization Declared heating capacity for part load at indoor efficiency / auxiliary energy factor for part load at given temperature 20 °C and outdoor temperature T<sub>i</sub> outdoor temperatures T<sub>i</sub> Pdh 12.56 kW  $T_i = -7$  °C  $COP_d$ 2.07 %  $T_i = +2 \, ^{\circ}C$  $T_i = +2 \, ^{\circ}C$ Pdh <del>%</del> 7.65 kW  $COP_d$ 3.15  $T_i = +7$  °C Pdh  $T_i = +7$  °C  $COP_d$ 6.24 4.92 kW %  $T_{i} = +12 \, {}^{\circ}\text{C}$ Pdh 4.91 kW  $T_i = +12 \, {}^{\circ}C$  $COP_d$ 6.77 <u>%</u>  $T_i = bivalent$  $T_i = bivalent$ Pdh 14.20 kW  $COP_d$ 1.89 % temperature temperature  $T_i$  = operation limit 14.20 lkW  $T_i = operation limit$ COP<sub>4</sub> 1.89 0/0 For water-to-air heat For air-to-water heat pumps:  $T_i = -15$  °C (if pumps:  $T_i = -15$  °C (if Pdh kW  $COP_d$ <del>%</del>  $T_{OL} < -20 \, {}^{\circ}C)$  $T_{OL} < -20 \, ^{\circ}C$ For water-to-air heat  $T_{\text{biv}} \\$ Bivalent temperature -10.0 °C pumps: Operation limit  $T_{ol}$  $^{\circ}C$ temperature co- C<sub>dh</sub> Degradation 0.25 efficient heat pumps\*\* Power consumption in modes other than 'active mode' Supplementary heater Electric back-up Off mode POFF 0.068 kW 0.000 kW elbu heating capacity \* 0.130 Thermostat-off mode  $P_{TO}$ kW Type of energy input Crankcase heater mode P<sub>CK</sub> 0.025 kW Standby mode  $P_{SB}$ 0.145 kW Other items For air-to-air heat pumps: Nominal air 15000 Capacity control variable m<sup>3</sup>/h flow outdoor rate, measured Sound power level. For water-/brine-to-air outdoor L<sub>WA</sub> 83 dΒ Rated indoor pumps: brine or water flow m<sup>3</sup>/h measured Emissions of nitrogen rate, outdoor heat NO, mg/kWh oxides (if applicable) exchanger kg CO<sub>2</sub> ep 2088 GWP of the refrigerant (100 years) MITSUBISHI ELECTRIC CORPORATION Contact details AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66, Tebira 6 Chome, Wakayama-City 640-8686, Japan \*\* If C<sub>d</sub> 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

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

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Model(s): Information to identify the model(s) to which the information relates:  Outdoor:PURY-EP400YNW-A2/TR2/RU2(-BS) Indoor:PEFY-M71VMA-A1×2 units, PEFY-M63VMA-A1×4 units										
Outdoor heat exchanger of air conditioner: air										
Indoor heat exchanger of air conditioner: air										
Type: compressor drive				_						
if applicable: driver of compressor: electric motor										
Item	Symbol	Value	Unit		Item Symbol		Value	Unit		
Rated cooling capacity	$P_{\text{rated,c}}$	45.00	kW		Seasonal space cooling $\eta_{s,c}$ energy efficiency		241.0	%		
Declared cooling capacity for part load at given					Declared energy efficiency ratio or §	gas utiliz	zation e	fficiency /		
outdoor temperatures T <sub>j</sub> and indoor 27°/19°C (dry/wet			°C (dry/wet		auxiliary energy factor for part	load a	t give	1 outdoor		
bulb)			_		temperatures $T_j$			_		
$T_j = +35  ^{\circ}\text{C}$	Pdc		kW		$T_j = +35 ^{\circ}\text{C}$ EER <sub>d</sub>		2.40	<del>%</del>		
$T_{j} = +30  {}^{\circ}\text{C}$	Pdc	33.16	kW		$T_j = +30  ^{\circ}\text{C}$ EER <sub>d</sub>		4.15	<del>%</del>		
$T_j = +25  ^{\circ}\mathrm{C}$	Pdc	21.32	kW		$T_j = +25  ^{\circ}\text{C}$ EER <sub>d</sub>		7.17	<del>%</del>		
$T_j = +20 ^{\circ}\text{C}$	Pdc	11.42	kW		$T_j = +20  ^{\circ}\text{C}$ EER <sub>d</sub>		16.07	<del>%</del>		
Degradation co- efficient air	$C_d$	0.25	-  -							
Power consumption in r	nodes other	er than 'ac	etive mode'							
Off mode	$P_{OFF}$	0.068	7 <sub>kW</sub>		Crankcase heater mode P <sub>CK</sub>		0.025	kW		
Thermostat-off mode	$P_{TO}$	0.025	kW		Standby mode $P_{SB}$		0.068	kW		
Other items										
Other rems	Π			Н	For air-to-air air					
Capacity control	variable				conditioner: Nominal air flow rate, outdoor measured	16200	m <sup>3</sup>	/h		
Sound power level, outdoor	L <sub>WA</sub>	83	dB							
if engine driven: Emissions of nitrogen oxides			mg/kWh fuel input GCV							
GWP of the refrigerant		2088	kg CO <sub>2 ep</sub> (100 years)							
Contact details	MITSUBISHI ELECTRIC CORPORATION  Contact details AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS  5-66,Tebira 6 Chome,Wakayama-City 640-8686,Japan									
** If C <sub>d</sub> is not determine	ed by mea	surement	then the defa	aı	ult degradation coefficient air condition	oners sha	all be 0.	.25.		
Where information rela	tes to mul	lti-split ai	r conditione	rs	s, the test result and performance dat	a may b	e obtair	ned on the		

importer.

basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or

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

Model(s): Information to identify the model(s) to which the information relates: Outdoor:PURY-EP400YNW-A2/TR2/RU2(-BS) Indoor:PEFY-M71VMA-A1×2 units, PEFY-M63VMA-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 Seasonal space heating kW Rated heating capacity P<sub>rated,h</sub> 45.00 139.0 % energy efficiency Declared coefficient of performance or gas utilization Declared heating capacity for part load at indoor efficiency / auxiliary energy factor for part load at given temperature 20 °C and outdoor temperature T<sub>i</sub> outdoor temperatures T<sub>i</sub> Pdh 12.56  $T_i = -7$  °C  $COP_d$ 1.90 kW %  $T_i = +2 \, ^{\circ}C$ Pdh  $T_i = +2 \, ^{\circ}C$ 3.32 <del>%</del> 7.65 kW  $COP_d$  $T_i = +7$  °C Pdh  $T_i = +7$  °C  $COP_d$ 4.92 kW 6.16 %  $T_{i} = +12 \, {}^{\circ}\text{C}$ Pdh 5.60 kW  $T_i = +12 \, {}^{\circ}C$  $COP_d$ 6.15 <del>%</del>  $T_i = bivalent$  $T_i = bivalent$ Pdh 14.20 kW  $COP_d$ 1.89 % temperature temperature  $T_i$  = operation limit Pdh 14.20 kW  $T_i = operation limit$ COP<sub>4</sub> 1.89 0/0 For water-to-air heat For air-to-water heat pumps:  $T_i = -15$  °C (if pumps:  $T_i = -15$  °C (if Pdh kW  $COP_d$ %  $T_{OL} < -20 \, {}^{\circ}C)$  $T_{OL} < -20 \, ^{\circ}C$ For water-to-air heat  $T_{\text{biv}}$ Bivalent temperature -10.0 °C pumps: Operation limit  $T_{ol}$  $^{\circ}C$ temperature co- C<sub>dh</sub> Degradation 0.25 efficient heat pumps\*\* Power consumption in modes other than 'active mode' Supplementary heater Electric back-up Off mode POFF 0.068 kW 0.000 kW elbu heating capacity \* 0.130 Thermostat-off mode  $P_{TO}$ kW Type of energy input Crankcase heater mode P<sub>CK</sub> 0.025 kW Standby mode  $P_{SB}$ 0.145 kW Other items For air-to-air heat pumps: Nominal air 18900 Capacity control variable m³/h outdoor flow rate, measured Sound power level. For water-/brine-to-air outdoor L<sub>WA</sub> 88 dΒ Rated indoor pumps: brine flow m<sup>3</sup>/h measured or water Emissions of nitrogen rate, outdoor heat NO, mg/kWh oxides (if applicable) exchanger kg CO<sub>2</sub> ep 2088 GWP of the refrigerant (100 years) MITSUBISHI ELECTRIC CORPORATION Contact details AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66, Tebira 6 Chome, Wakayama-City 640-8686, Japan \*\* If  $C_d$  is not determined by measurement then the default degradation coefficient of heat pumps shall be 0,25. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or

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

			0201	_	(1)				
Model(s): Information to	-								
				do	or:PEFY-M63VMA-A1×4 u	nits, PEF	Y-M50	VMA-A	1×4 units
Outdoor heat exchanger									
Indoor heat exchanger of Type: compressor driver									
if applicable: driver of c									
Item	Symbol	Value			Item Syr	nbol		Value	Unit
Item	Symbol	Value	Ollit	ı				Value	I
Rated cooling capacity	$P_{\text{rated,c}}$	50.00	kW		Seasonal space cooling $_{\eta_{s,c}}$ energy efficiency			260.0	%
Declared cooling capa	city for	part load	d at given		Declared energy efficiency	ratio or g	as utiliz	zation ef	ficiency /
outdoor temperatures T <sub>j</sub>	and indo	or 27°/19	°C (dry/wet		auxiliary energy factor f	or part	load a	t given	outdoor
bulb)			_		temperatures T <sub>j</sub>				_
$T_j = +35  ^{\circ}\text{C}$	Pdc	50.00	kW		$T_j = +35  ^{\circ}\text{C}$ EEI	$R_d$		2.64	<del>9/0</del>
$T_{i} = +30  {}^{\circ}\text{C}$	Pdc	36.84	kW		$T_j = +30  ^{\circ}\text{C}$ EEI	$R_d$		4.24	<del>%</del>
$T_i = +25  {}^{\circ}\text{C}$	Pdc	23.68	kW		$T_i = +25 ^{\circ}\text{C}$ EEI	$R_d$		7.78	<del>%</del>
$T_{i} = +20  {}^{\circ}\text{C}$	Pdc	11.78	kW		$T_i = +20  ^{\circ}\text{C}$ EEI	$R_d$		18.92	<del>%</del>
J			1		J				1
Degradation co-			1						1
efficient air	$C_d$	0.25	-						
Power consumption in n	nodes othe	er than 'ac	ctive mode'					•	•
Off mode	$P_{OFF}$	0.076	kW		Crankcase heater mode P	CK		0.028	kW
Thermostat-off mode	P <sub>TO</sub>	0.028	kW			SB		0.076	kW
Thermostat-off mode	110	0.020			Standay mode 1	SB		0.070	KVV
Other items		_ <b>I</b>	I						
				Г	For air-to-air air				
C1	variable				conditioner: Nominal air		16200	$m^3$	'la
Capacity control	variable				flow rate, outdoor		10200	1111-7	11
				L	measured				
Sound power level,	L <sub>WA</sub>	83	dB						
outdoor	E <sub>WA</sub>		ub	L					
if engine driven:			mg/kWh						
Emissions of nitrogen		_	fuel input						
oxides	^		GCV						
				L				_	
GWP of the refrigerant		2088	kg CO <sub>2</sub> ep						
	<u> </u>		(100 years)	L					
					RPORATION				_
Contact details					RIGERATION SYSTEMS W	ORKS			
					a-City 640-8686,Japan				
					ult degradation coefficient air				
Where information relation	tec to mul	ti enlit oi	r conditions	<b>&gt;</b> r-	the test result and perform	anna data	mos h	a abtain	ad on the

basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or

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

Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the

Model(s): Information to identify the model(s) to which the information relates: Outdoor:PURY-EP450YNW-A2/TR2/RU2(-BS) Indoor:PEFY-M63VMA-A1×4 units, PEFY-M50VMA-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 Seasonal space heating 50.00 kW Rated heating capacity P<sub>rated,h</sub> 139.0 % energy efficiency Declared coefficient of performance or gas utilization Declared heating capacity for part load at indoor efficiency / auxiliary energy factor for part load at given temperature 20 °C and outdoor temperature T<sub>i</sub> outdoor temperatures T<sub>i</sub> Pdh 15.13 kW  $T_i = -7$  °C  $COP_d$ 1.82 %  $T_i = +2 \, ^{\circ}C$ Pdh  $T_i = +2 \, ^{\circ}C$ 3.37 <del>%</del> 9.21 kW  $COP_d$  $T_i = +7$  °C Pdh 5.92  $T_i = +7$  °C  $COP_d$ kW 6.16 %  $T_{i} = +12 \, {}^{\circ}\text{C}$ Pdh 5.65 kW  $T_i = +12 \, {}^{\circ}C$  $COP_d$ 6.07 <u>%</u>  $T_i = bivalent$  $T_i = bivalent$ Pdh 17.10 kW  $COP_d$ 1.70 % temperature temperature  $T_i$  = operation limit Pdh 17.10 kW  $T_i = operation limit$ COP<sub>4</sub> 1.70 0/0 For water-to-air heat For air-to-water heat pumps:  $T_i = -15$  °C (if pumps:  $T_i = -15$  °C (if Pdh kW  $COP_d$ <del>%</del>  $T_{OL} < -20 \, {}^{\circ}C)$  $T_{OL} < -20 \, ^{\circ}C$ For water-to-air heat  $T_{\text{biv}} \\$ Bivalent temperature -10.0 °C pumps: Operation limit  $T_{ol}$  $^{\circ}C$ temperature co- C<sub>dh</sub> Degradation 0.25 efficient heat pumps\*\* Power consumption in modes other than 'active mode' Supplementary heater Electric back-up Off mode POFF 0.076 kW 0.000 kW elbu heating capacity \* 0.139 Thermostat-off mode  $P_{TO}$ kW Type of energy input Crankcase heater mode P<sub>CK</sub> 0.028 kW Standby mode  $P_{SB}$ 0.153 kW Other items For air-to-air heat pumps: Nominal air 18900 Capacity control variable m³/h flow outdoor rate, measured Sound power level. For water-/brine-to-air 89 dΒ Rated indoor outdoor L<sub>WA</sub> pumps: brine or water flow m<sup>3</sup>/h measured Emissions of nitrogen rate, outdoor heat NO, mg/kWh oxides (if applicable) exchanger kg CO<sub>2</sub> ep 2088 GWP of the refrigerant (100 years) MITSUBISHI ELECTRIC CORPORATION Contact details AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66, Tebira 6 Chome, Wakayama-City 640-8686, Japan \*\* If C<sub>d</sub> 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

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

Model(s): Information to	•			the information relates: YNW-A2/TR2/RU2(-BS	C) Indoor:PEI	EV M631		1×Q unite	
Outdoor heat exchanger				1 IV W - M2/ I N2/ NO2(-D)	3) IIIuooi.i Li	7 1-10105	V IVIA-A	1^0 unto	
Indoor heat exchanger o									
Type: compressor driver									
if applicable: driver of compressor: electric motor									
Item	Symbol	Value		Item	Symbol		Value	Unit	
Rated cooling capacity	P <sub>rated,c</sub>	56.00	kW	Seasonal space coolin energy efficiency	$g_{\eta_{s,c}}$		252.0	%	
Declared cooling capa	city for	part load	d at given	Declared energy effici	ency ratio or	gas utiliz	ation ef	ficiency /	
outdoor temperatures T <sub>j</sub>				auxiliary energy fact	tor for part	load at	given	outdoor	
bulb)				temperatures T <sub>j</sub>		_			
$T_j = +35  ^{\circ}\text{C}$	Pdc	56.00	kW	$T_j = +35  ^{\circ}\text{C}$	$EER_d$	[	2.57	<del>%</del>	
$T_j = +30  ^{\circ}\text{C}$	Pdc	41.26	kW	$T_j = +30  ^{\circ}\mathrm{C}$	$EER_d$	[	3.99	<del>%</del>	
$T_i = +25  {}^{\circ}\text{C}$	Pdc	26.53	kW	$T_j = +25  ^{\circ}C$	$EER_d$	1	8.20	<del>%</del>	
$T_{i} = +20  {}^{\circ}\text{C}$	Pdc	12.80	kW	$T_{i} = +20  {}^{\circ}\text{C}$	$EER_d$	-	15.34	<del>%</del>	
J			1	J		Ì		1, 3	
Degradation co- efficient air	$C_d$	0.25	1 					•	
Power consumption in n	nodes othe	er than 'ac	etive mode'						
Off mode	$P_{OFF}$	0.076	kW	Crankcase heater mode	e P <sub>CK</sub>		0.028	kW	
Thermostat-off mode	$P_{TO}$	0.028	kW	Standby mode	$P_{SB}$		0.076	kW	
			1						
Other items									
Capacity control	variable			For air-to-air conditioner: Nominal flow rate, outd measured	I-	17700	m <sup>3</sup> /	h	
Sound power level, outdoor	L <sub>WA</sub>	82	dB						
if engine driven: Emissions of nitrogen oxides		-	mg/kWh fuel input GCV						
GWP of the refrigerant		2088	kg CO <sub>2 ep</sub> (100 years)						
				RPORATION					
Contact details				RIGERATION SYSTEM	MS WORKS				
** TCC ' 1-4				na-City 640-8686,Japan	, ' 1'4'		11.1 - 0.4		
** If C <sub>d</sub> is not determine									
Where information relat				-		-			
basis of the performance	e of the or	atdoor un	it, with a com	nbination of indoor unit(s	s) recommend	ed by the	: manut	acturer or	

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

Model(s): Information to	-					1 . DEI	TV 1462	5.73.4.A	A 1 1 0 '4
Outdoor heat exchanger				/ - /	A2/TR2/RU2(-BS) In	ndoor : PEl	4 Y -M163	V MA-A	A1×8 units
Indoor heat exchanger o									
Indication if the heater i				rī	heater no				
					ason, parameters for the w	armer and o	colder he	eating s	easons are
optional.	14164 101	ino avera	ge meaning s	-	son, parameters for the w	arriver una v	oraci in	Juling 5	casons are
Item	Symbol	Value	Unit	_	Item	Symbol		Value	Unit
Rated heating capacity	P <sub>rated,h</sub>	56.00	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$		138.0	
Declared heating capa	city for	nart load	l at indoor	ĺ	Declared coefficient of	•		_	
temperature 20 °C and o	-	_			efficiency / auxiliary er outdoor temperatures T <sub>i</sub>	nergy facto	r for pa	art load	l at given
$T_i = -7  ^{\circ}C$	Pdh	18.82	kW		$T_i = -7 ^{\circ}C$	$COP_d$		2.19	<u>%</u>
$T_i = +2  ^{\circ}C$	Pdh	11.46	kW		$T_i = +2  ^{\circ}C$	$COP_d$		3.31	
$T_i = +7$ °C	Pdh	7.37	kW		$T_i = +7  ^{\circ}C$	$COP_d$		5.36	-  <del>%</del>
$T_i = +12 ^{\circ}\text{C}$	Pdh	6.51	kW		$T_i = +12 ^{\circ}\text{C}$	$COP_d$		5.91	-  <del>%</del>
$T_i = bivalent$	1 UII	0.51	- ~ ~ ~		$T_i = bivalent$			3.71	78
l '	Pdh	21.28	kW		,	$COP_d$		1.59	<del>9/0</del>
temperature $T_i$ = operation limit	Pdh	21.28	kW		temperature	$COP_d$		1.59	
For air-to-water heat		21.20	K W		T <sub>j</sub> = operation limit For water-to-air heat	$COP_d$		1.59	-  <del>*'0</del>
			1 337			COD			0/
pumps: $T_j = -15$ °C (if	Pan	-	kW		pumps: $T_j = -15$ °C (if	$COP_d$		-	<del>0/0</del>
$T_{OL} < -20  ^{\circ}C)$			4		$T_{OL} < -20  ^{\circ}\text{C}$				4
	Tr.	100	0.6		For water-to-air heat	<b></b>			
Bivalent temperature	$T_{\rm biv}$	-10.0	°C		pumps: Operation limit	$T_{ol}$		-	°C
			4		temperature				_
Degradation co-		-	-						1
lefficient heat numns**	$C_{dh}$	0.25	-						
Degradation coefficient heat pumps**				l					
Power consumption in n	nodes oth	er than 'ac	ctive mode'		Supplementary heater				
Off mode	$P_{OFF}$	0.076	kW		Electric back-up	elbu		0.000	kW
Thermostat-off mode	$P_{TO}$	0.147	kW		heating capacity * Type of energy input				
Crankcase heater mode	$P_{CK}$	0.028	kW		Standby mode	$P_{SB}$		0.153	kW
Other items					-				
				H	For air-to-air heat				
					pumps: Nominal air				
Capacity control	variable				flow rate, outdoor	-	17700	m <sup>3</sup>	3/h
					measured				
Sound power level,				r	For water-/brine-to-air				
indoor / outdoor		84	dB		heat pumps: Rated				
measured	Z W A	0.			brine or water flow	_	_	m <sup>3</sup>	3/h
Emissions of nitrogen	1			H	rate, outdoor heat				711
oxides (if applicable)	$NO_x$	-	mg/kWh		exchanger				
oxides (if applicable)	$\vdash$			┝	Cachanger				
GWP of the refrigerant		2088	kg CO <sub>2 ep</sub> (100 years)						
	MITSUE	BISHI EL	ECTRIC CO	ΟF	RPORATION				
Contact details	AIR-CO	NDITION	NING & RE	FΙ	RIGERATION SYSTEMS	WORKS			
	5-66,Tel	oira 6 Cho	me,Wakaya	ım	na-City 640-8686,Japan				
** If C <sub>d</sub> is not determine					ult degradation coefficient	of heat pur	nps shal	1 be 0,2	5.
	-				s, the test result and perfo	_	_		
					bination of indoor unit(s)				
l. *							-		

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

Model(s): Information to	-			the information relates: YNW-A2/TR2/RU2(-BS)	Indoor: PEEV_MO	71 X/N / A _ A	1×Q unite		
Outdoor heat exchanger				1 IN W-AZ/ I NZ/ NUZ(-DS)	) IIIQOOLF 121 1 -1v1 /	1 V IVIA-A	.1^o uiiis		
Indoor heat exchanger o									
Type: compressor driver									
if applicable: driver of compressor: electric motor									
Item	Symbol	Value		Item	Symbol	Value	Unit		
Rated cooling capacity	P <sub>rated,c</sub>	60.00	kW	Seasonal space cooling energy efficiency		253.0	%		
Declared cooling capa	city for	part load	d at given	Declared energy efficien	ncy ratio or gas uti	lization ef	ficiency /		
outdoor temperatures T <sub>j</sub>				auxiliary energy facto	or for part load	at given	outdoor		
bulb)			_	temperatures T <sub>j</sub>			_		
$T_j = +35$ °C	Pdc	60.00	kW	$T_j = +35  ^{\circ}\text{C}$	$EER_d$	2.33	<del>%</del>		
$T_{j} = +30  {}^{\circ}\text{C}$	Pdc	44.21	kW	$T_j = +30  ^{\circ}\mathrm{C}$	$EER_d$	4.08	<del>%</del>		
$T_{j} = +25  {}^{\circ}\text{C}$	Pdc	28.42	kW	$T_j = +25  ^{\circ}\mathrm{C}$	$EER_d$	8.29	<del>%</del>		
$T_{\rm j} = +20  {\rm ^{o}C}$	Pdc	13.01	kW	$T_j = +20  ^{\circ}\mathrm{C}$	$EER_d$	15.62	<del>%</del>		
			]				]		
Degradation co- efficient air	C <sub>d</sub>	0.25							
Power consumption in n	nodes othe	er than 'ac	ctive 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				<u> </u>	<del> </del>				
Capacity control	variable			For air-to-air a conditioner: Nominal a flow rate, outdo measured	1- 124600	$m^3$	'h		
Sound power level, outdoor	$^{\prime}L_{\mathrm{WA}}$	89	dB						
if engine driven: Emissions of nitrogen oxides		-	mg/kWh fuel input GCV						
GWP of the refrigerant		2088	kg CO <sub>2 ep</sub> (100 years)						
				RPORATION		_	_		
Contact details				RIGERATION SYSTEM	IS WORKS				
** TCC :- not determine				ma-City 640-8686,Japan	· in dition one o	1 -11 1- 0 /	35		
				ault degradation coefficier					
				rs, the test result and perf	•				
basis of the performance	e of the of	ataoor uni	it, with a con	nbination of indoor unit(s)	recommended by t	ine manui	acturer or		

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

Model(s): Information to identify the model(s) to which the information relates: Outdoor:PURY-EP550YNW-A2/TR2/RU2(-BS) Indoor:PEFY-M71VMA-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 Seasonal space heating kW Rated heating capacity P<sub>rated,h</sub> 63.00 137.0 % energy efficiency Declared coefficient of performance or gas utilization Declared heating capacity for part load at indoor efficiency / auxiliary energy factor for part load at given temperature 20 °C and outdoor temperature T<sub>i</sub> outdoor temperatures T<sub>i</sub> 2.29 21.18  $T_i = -7$  °C  $COP_d$ Pdh kW % 2.95  $T_i = +2 \, ^{\circ}C$ Pdh  $T_i = +2 \, ^{\circ}C$ <del>%</del> 12.89 kW  $COP_d$  $T_i = +7$  °C Pdh 8.29  $T_i = +7$  °C kW  $COP_d$ 6.00 %  $T_{i} = +12 \, {}^{\circ}\text{C}$ Pdh 6.52 kW  $T_i = +12 \, {}^{\circ}C$  $COP_d$ 7.32 <del>%</del>  $T_i = bivalent$  $T_i = bivalent$ Pdh 23.94 kW  $COP_d$ 1.71 % temperature temperature  $T_i$  = operation limit 23.94 kW  $T_i = operation limit$ COP<sub>4</sub> 1.71 0/0 For water-to-air heat For air-to-water heat pumps:  $T_i = -15$  °C (if pumps:  $T_i = -15$  °C (if Pdh kW  $COP_d$ %  $T_{OL} < -20 \, {}^{\circ}C)$  $T_{OL} < -20 \, ^{\circ}C$ For water-to-air heat  $T_{\text{biv}}$ Bivalent temperature -10.0 °C pumps: Operation limit  $T_{ol}$  $^{\circ}C$ temperature co- C<sub>dh</sub> Degradation 0.25 efficient heat pumps\*\* Power consumption in modes other than 'active mode' Supplementary heater Electric back-up Off mode POFF 0.076 kW 0.000 kW elbu heating capacity \* 0.147 Thermostat-off mode  $P_{TO}$ kW Type of energy input Crankcase heater mode P<sub>CK</sub> 0.028 kW Standby mode  $P_{SB}$ 0.153 kW Other items For air-to-air heat pumps: Nominal air Capacity control variable 24600 m³/h flow rate, outdoor measured Sound power level. For water-/brine-to-air outdoor L<sub>WA</sub> 89 dΒ Rated indoor pumps: brine flow m<sup>3</sup>/h measured or water Emissions of nitrogen rate, outdoor heat NO, mg/kWh oxides (if applicable) exchanger kg CO<sub>2</sub> ep 2088 GWP of the refrigerant (100 years) MITSUBISHI ELECTRIC CORPORATION Contact details AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66, Tebira 6 Chome, Wakayama-City 640-8686, Japan \*\* If C<sub>d</sub> 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

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