PRODUCT INFORMATION
PURY-M***YNW-A1 (-BS)
PURY-EM***YNW-A1 (-BS)
For Europe Regulation

${\bf PRODUCT\ INFORMATION}^{(1)}$

Model(s): Information to Outdoor: PUR	•				he information relates: door: PEFY-W50VMA2-A×4 units				
Outdoor heat exchanger				.11	3001 . TET 1-W 30 V W 12-11×4 units				
Indoor heat exchanger of									
Type: compressor drive									
if applicable: driver of c									
Item	Symbol	Value	Unit		Item Symbol		Value		Unit
Rated cooling capacity	P _{rated,c}	22.40	kW		Seasonal space cooling $\eta_{s,c}$ energy efficiency		246		%
Declared cooling capa	acity for	part load	d at given		Declared energy efficiency ratio or	gas utili	ization	effi	ciency /
outdoor temperatures T _j bulb)					auxiliary energy factor for part temperatures T _i				
$T_i = +35 ^{\circ}\text{C}$	Pdc	22.40	kW		$T_i = +35 ^{\circ}\text{C}$ EER _d		4.05		0/o
$T_i = +30 ^{\circ}\text{C}$	Pdc	16.51	kW		$T_j = +30 ^{\circ}\text{C}$ EER _d		5.88	_	%
$T_i = +25 ^{\circ}\text{C}$	Pdc	10.61	kW		$T_i = +25 ^{\circ}\text{C}$ EER _d		8.73	_	%
$T_i = +20 ^{\circ}\text{C}$	Pdc	12.65	kW		$T_i = +20 ^{\circ}\text{C}$ EER _d		7.96	_	%
	ruc	12.00	- K VV		1j = 1 20 C 221td		7.50		70
Degradation co- efficient air conditioners**	· C _d	0.25	-						
Power consumption in r	nodes oth	er than 'ac	tive mode'						
Off mode Thermostat-off mode	$\begin{array}{c} P_{OFF} \\ P_{TO} \end{array}$	0.000	kW kW		Crankcase heater mode P_{CK} Standby mode P_{SB}		0.035 0.063		kW kW
Other items									
Capacity control	variable				For air-to-air air conditioner: Nominal air flow rate, outdoor measured	10200		m³/ŀ	1
Sound power level, outdoor	L_{WA}	76.0	dB						
if engine driven: Emissions of nitrogen oxides		-	mg/kWh fuel input GCV						
GWP of the refrigerant		675	kg CO _{2 ep} (100 years)						
Contact details	AIR-CO	NDITION	ING & REF	R	PORATION IGERATION SYSTEMS WORKS 1-City 640-8686,Japan				
** If C _d is not determine	ed by mea	surement	then the defa	aι	lt degradation coefficient air condition	ners sha	all be ().25.	
Where information rela	tes to mu	ılti-split ai	r conditione	rs	, the test result and performance date	a mav l	be obta	aine	d on the
					pination of indoor unit(s) recommend				

⁽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-M200YNW-A1 (-BS) Indoor: PEFY-W50VMA2-A×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. Value Unit Symbol Value Unit Symbol Item Item Seasonal space heating 22.50 kW 142 % Rated heating capacity Prated,h energy efficiency gas utilization Declared coefficient of performance or Declared heating capacity for part load at indoor efficiency / auxiliary energy factor for part load at given temperature 20 °C and outdoor temperature T_i outdoor temperatures Ti $T_i = -7$ °C Pdh 19.90 kW $T_i = -7$ °C COP_d 2.29 $T_i = +2 \, ^{\circ}C$ 12.12 $T_i = +2 \, {}^{\circ}C$ 3.39 0/0 Pdh kW COP_d $T_i = +7$ °C $T_i = +7$ °C Pdh 7.79 kW COP_d 5.31 0/o $T_i = +12 \,{}^{\circ}\text{C}$ 6.36 kW $T_i = +12 \, {}^{\circ}\text{C}$ 0/0 Pdh COP_d 5.76 $T_i = bivalent$ $T_i = bivalent$ % Pdh 22.50 kW COP_d 2.10 temperature temperature 12.10 1.84 T_i = operation limit Pdh kW T_i = operation limit COP_d % For air-to-water heat For water-to-air heat pumps: $T_i = -15$ °C (if Pdh kW pumps: $T_i = -15$ °C (if COP_d % T_{OL} < -20 °C) $T_{OL} < -20 \, {}^{\circ}\text{C})$ For water-to-air heat 10.0 °C pumps: Operation limit °C Bivalent temperature T_{ol} temperature efficient heat pumps** 0.25 Power consumption in modes other than 'active mode' Supplementary heater Electric back-up Poff 0.000 kW 0.000 kW Off mode elbu heating capacity * Thermostat-off mode P_{TO} 0.071 kW Type of energy input 0.035 kW P_{SB} 0.063 kW Crankcase heater mode P_{CK} Standby mode Other items For air-to-air heat pumps: Nominal air 10200 variable m³/h Capacity control flow rate, outdoor measured power level water-/brine-to-air outdoor L_{WA} dB indoor 78.0 pumps: Rated measured brine or water flow m³/h outdoor Emissions of nitrogen rate, NO_x mg/kWh exchanger oxides (if applicable) kg CO₂ ep GWP of the refrigerant 675 (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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Model(s): Information t										
Outdoor : PUR'				[n	door: PEFY-W63VMA2	-A×4 units				
Outdoor heat exchanger										
Indoor heat exchanger of										
Type: compressor drive										
if applicable: driver of o					T. (·		X7 - 1	_	TT 1
Item	Symbol	Value	Unit	ı		Symbol		Valu	e	Unit
Rated cooling capacity	$P_{\text{rated},c}$	28.00	kW		Seasonal space cooling renergy efficiency	ls,c		233		%
Declared cooling capa	acity for	part loa	d at given		Declared energy efficiend	cy ratio or	gas utili	ization	ı eff	iciency
outdoor temperatures T	and inde	oor 27°/19	°C (dry/wet		auxiliary energy factor	for part	load	at giv	ven	outdoor
bulb)					temperatures T _j					
$T_i = +35 ^{\circ}\text{C}$	Pdc	28.00	kW		$T_i = +35 ^{\circ}\text{C}$	EER_d		3.33		9/o
$T_{i} = +30 {}^{\circ}\text{C}$	Pdc	20.63	kW		$T_i = +30 ^{\circ}\text{C}$	EER_d		4.95		%
$T_i = +25 ^{\circ}\text{C}$	Pdc	13.26	kW		$T_i = +25 ^{\circ}\text{C}$	EER_d		8.73		%
$T_i = +20 ^{\circ}C$	Pdc	12.39	kW		*	EER_d		7.36		9/o
,			1		,					
Degradation co-										
efficient air	C_d	0.25	-							
conditioners**										
Power consumption in r	nodes oth	ner than 'ac	ctive mode'							
			_		C	D		0.025	_	1 337
Off mode	P _{OFF}	0.000	kW		Crankcase heater mode	P _{CK}		0.035		kW
Thermostat-off mode	P_{TO}	0.071	kW		Standby mode	P_{SB}		0.063	5	kW
Other items										
					For air-to-air air					
Composity, comtact	variable				conditioner: Nominal air	•	11100		m³/.	h
Capacity control	variable				flow rate, outdoor	-	11100		1116/	11
					measured					
Sound power level,	L_{WA}	78.5	dB							
outdoor	-wA									
if engine driven:			mg/kWh							
Emissions of nitrogen	NO_x	-	fuel input							
oxides			GCV							
GWP of the refrigerant		675	kg CO ₂ ep							
			(100 years)							
					PORATION					
Contact details					IGERATION SYSTEMS	WORKS				
					a-City 640-8686,Japan					
					alt degradation coefficient					
		•			, the test result and perfo		•			
Ibasis of the performance	e of the c	nitdoor iin	if with a coi	m	bination of indoor unit(s)	recommend	ded by tl	he mai	nufa	cturer 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-M250YNW-A1 (-BS) Indoor: PEFY-W63VMA2-A×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. Symbol Value Value Unit Symbol Unit Item Item Seasonal space heating 22.50 kW 138 Rated heating capacity Prated,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_i outdoor temperatures Ti $T_i = -7 \, ^{\circ}C$ Pdh 19.90 kW $T_i = -7$ °C COP_d 2.41 $T_i = +2$ °C Pdh 12.12 kW $T_i = +2 \, {}^{\circ}C$ COP_d 3.29 0/0 $T_i = +7$ °C Pdh 7.79 $T_i = +7$ °C 5.04 kW COP_d % $T_i = +12 \,{}^{\circ}\text{C}$ Pdh 6.42 kW $T_i = +12 \, {}^{\circ}C$ 5.06 % COP_d $T_i = bivalent$ $T_i = bivalent$ 2.14 Pdh 22.50 kW COP_d % temperature temperature T_i = operation limit Pdh 12.10 kW T_i = operation limit COP_d 1.82 0/0 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 % $T_{OL} < -20 \, {}^{\circ}\text{C})$ T_{OL} < -20 °C) For water-to-air heat °C °C 10.0 Bivalent temperature pumps: Operation limit T_{ol} temperature efficient heat pumps** 0.25 Power consumption in modes other than 'active mode' Supplementary heater Electric back-up Off mode POFF 0.000 kW elbu 0.000 kW heating capacity * P_{TO} Thermostat-off mode 0.071 kW Type of energy input Crankcase heater mode P_{CK} 0.035 kW kW P_{SB} 0.063 Standby mode Other items For air-to-air heat pumps: Nominal air 11100 m³/h Capacity control variable flow rate, outdoor measured For water-/brine-to-air Sound power level, 80.0 dΒ indoor outdoor L_{WA} heat pumps: Rated brine or water flow m³/h measured Emissions of nitrogen rate, outdoor heat NO, mg/kWh exchanger oxides (if applicable) kg CO2 ep 675 GWP of the refrigerant (100 years) MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS Contact details 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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					MICKWIATION					
Model(s): Information to	_						·			
Outdoor : PURY				n	door: PEFY-W50VMA2	-A×6 units				
Outdoor heat exchanger				_						
Indoor heat exchanger o				_						
Type: compressor driver				_						
if applicable: driver of c	Symbol			_	T4	Symbol		Value		T I :4
Item	Syllibol	Value	Unit	Ì				vaiue	; 	Unit
Rated cooling capacity	P _{rated,c}	33.50	kW		Seasonal space cooling energy efficiency	ls,c		252		%
Declared cooling capa	city for	part load	d at given	ĺ	Declared energy efficien	cy ratio or	gas utili	ization	eff	iciency .
outdoor temperatures T _i					auxiliary energy factor	for part	load	at giv	en	outdoo
bulb)				ĺ	temperatures T _j					
$T_i = +35 ^{\circ}\text{C}$	Pdc	33.50	kW	ĺ	$T_i = +35 ^{\circ}C$	EER _d		3.39		9/0
· ·	Pdc	24.68	kW	ĺ	· ·	EER _d		5.02		9/o
	Pdc	15.87	kW	ĺ	3	EER_d		9.23		0/0
· ·	Pdc	13.60	kW			EER _d		9.00		9/0
J			1	ĺ	,	u				
Degradation co- efficient air conditioners**	C_d	0.25	-							
Power consumption in n	nodes oth	er than 'ac	tive mode'	ĺ						
Off mode	P_{OFF}	0.000	kW	ĺ	Crankcase heater mode	P_{CK}		0.035	;	kW
Thermostat-off mode	P_{TO}	0.081	kW		Standby mode	P_{SB}		0.069)	kW
			1	ĺ						
Other items		•		L						
					For air-to-air air	r				
Capacity control	variable				conditioner: Nominal air flow rate, outdoor measured	_	12000		m³/l	ı
Sound power level,	1			H	measured					
outdoor	L_{WA}	80.0	dB							
if engine driven: Emissions of nitrogen oxides	NO _x	-	mg/kWh fuel input GCV							
GWP of the refrigerant		675	kg CO _{2 ep} (100 years)							
Contact details	AIR-CO	NDITION	ING & REF	R	PORATION LIGERATION SYSTEMS a-City 640-8686,Japan	WORKS				
					alt degradation coefficient	air condition	oners sha	all be ().25	
					s, the test result and perfo					

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Model(s): Information to identify the model(s) to which the information relates: Outdoor: PURY-M300YNW-A1 (-BS) Indoor: PEFY-W50VMA2-A×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. Symbol Symbol Value Value Unit Unit Item Item Seasonal space heating 22.50 kW 138 Rated heating capacity Prated,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_i outdoor temperatures Ti $T_i = -7 \, ^{\circ}C$ Pdh 19.90 kW $T_i = -7$ °C COP_d 2.19 $T_i = +2$ °C Pdh 12.12 kW $T_i = +2 \, {}^{\circ}C$ COP_d 3.15 0/0 $T_i = +7$ °C Pdh 7.79 $T_i = +7$ °C 5.70 kW COP_d % $T_i = +12 \,{}^{\circ}\text{C}$ Pdh 6.38 kW $T_i = +12 \, {}^{\circ}C$ 6.10 % COP_d $T_i = bivalent$ $T_i = bivalent$ Pdh 22.50 kW COP_d 2.38 % temperature temperature T_i = operation limit Pdh 12.10 kW T_i = operation limit COP_d 1.78 0/0 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 % $T_{OL} < -20 \, {}^{\circ}\text{C})$ T_{OL} < -20 °C) For water-to-air heat °C °C Bivalent temperature -10.0pumps: Operation limit T_{ol} temperature efficient heat pumps** 0.25 Power consumption in modes other than 'active mode' Supplementary heater Electric back-up Off mode POFF 0.000 kW elbu 0.000 kW heating capacity * $P_{TO} \\$ Thermostat-off mode 0.081 kW Type of energy input 0.035 kW kW P_{SB} 0.069 Crankcase heater mode P_{CK} Standby mode Other items For air-to-air heat pumps: Nominal air 14400 m³/h Capacity control variable flow rate, outdoor measured For water-/brine-to-air Sound power level 86.5 dΒ indoor outdoor L_{WA} pumps: Rated m³/h measured brine or water flow Emissions of nitrogen rate, outdoor heat NO, mg/kWh exchanger oxides (if applicable) kg CO2 ep 675 GWP of the refrigerant (100 years) MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS Contact details 5-66, Tebira 6 Chome, Wakayama-City 640-8686, Japan ** If C_d is not determined by measurement then the default degradation coefficient of heat pumps shall be 0,25. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or

importer.

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_				I I ORIVITION				
Model(s): Information to Outdoor: PURY-M				the information relates: PEFY-W63VMA2-A×4		-W50VM	IA2-A	×2 units
Outdoor heat exchanger				<u> </u>	1 41110, 122	110012		2 611165
Indoor heat exchanger o								
Type: compressor drive	n vapour	compressi	on					
if applicable: driver of c	compresso	or: electric	motor					
Item	Symbol	Value	Unit	Item	Symbol		Value	Unit
Rated cooling capacity	P _{rated,c}	40.00	kW	Seasonal space coolin energy efficiency	$\eta_{ m s,c}$		264	%
Declared cooling capa outdoor temperatures T _j bulb)	and indo	oor 27°/19		Declared energy effic auxiliary energy fac temperatures T _j	ctor for part	-	at giv	-
$T_j = +35 ^{\circ}C$	Pdc	40.00	kW	$T_j = +35 ^{\circ}\text{C}$	EER_d		3.29	%
$T_j = +30 ^{\circ}\text{C}$	Pdc	29.47	kW	$T_j = +30 ^{\circ}\text{C}$	EER_d		4.99	%
$T_j = +25 ^{\circ}C$	Pdc	18.95	kW	$T_j = +25 ^{\circ}C$	EER_d		9.25	%
$T_i = +20 ^{\circ}C$	Pdc	13.48	kW	$T_{i} = +20 {}^{\circ}\text{C}$	EER_d		10.77	%
,			1 ['				7
Degradation co- efficient air conditioners**		0.25	- -					
Power consumption in r	nodes oth	ner than 'ac	ctive mode'					
Off mode Thermostat-off mode	$\begin{array}{c} P_{OFF} \\ P_{TO} \end{array}$	0.000	kW kW	Crankcase heater mod Standby mode	le P _{CK} P _{SB}		0.034 0.070	
Other items								
Capacity control	variable			For air-to-air conditioner: Nominal flow rate, out measured	air air loor	15000	1	m³/h
Sound power level, outdoor	L_{WA}	81.0	dB					
if engine driven: Emissions of nitrogen oxides		-	mg/kWh fuel input GCV					
GWP of the refrigerant		675	kg CO _{2 ep} (100 years)					
Contact details	AIR-CO 5-66,Tel	ONDITION bira 6 Cho	IING & REFI me,Wakayam	RPORATION RIGERATION SYSTE na-City 640-8686,Japan				
** If C _d is not determine	ed by mea	asurement	then the defa	ult degradation coeffici	ent air conditi	oners sha	all be 0	1.25.
Where information relabasis of the performance								

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PRODUCT INFORMATION⁽¹⁾ Model(s): Information to identify the model(s) to which the information relates: Outdoor: PURY-M350YNW-A1 (-BS) Indoor: PEFY-W63VMA2-A×4 units, PEFY-W50VMA2-A×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. Symbol Value Value Unit Symbol Unit Item Item Seasonal space heating 28.00 kW 137 Rated heating capacity Prated,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_i outdoor temperatures Ti $T_i = -7 \, ^{\circ}C$ Pdh 24.77 kW $T_i = -7$ °C COP_d 2.24 $T_i = +2$ °C Pdh 15.08 kW $T_i = +2 \, {}^{\circ}C$ COP_d 3.11 0/0 $T_i = +7$ °C Pdh 9.69 $T_i = +7$ °C kW COP_d 5.43 % $T_i = +12 \,{}^{\circ}\text{C}$ Pdh 7.31 kW $T_i = +12 \, {}^{\circ}C$ 6.52 % COP_d $T_i = bivalent$ $T_i = bivalent$ Pdh 28.00 kW COP_d 2.85 % temperature temperature 15.04 T_i = operation limit Pdh kW T_i = operation limit COP_d 2.21 0/0 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 % T_{OL} < -20 °C) $T_{OL} < -20 \, {}^{\circ}\text{C})$ For water-to-air heat °C °C 10.0 Bivalent temperature pumps: Operation limit T_{ol} temperature efficient heat pumps** 0.25 Power consumption in modes other than 'active mode' Supplementary heater Electric back-up Off mode POFF 0.000 kW elbu 0.000 kW heating capacity * P_{TO} Thermostat-off mode 0.082 kW Type of energy input Crankcase heater mode P_{CK} 0.034 kW kW P_{SB} 0.070 Standby mode Other items For air-to-air heat pumps: Nominal air 15000 m³/h Capacity control variable flow rate, outdoor measured For water-/brine-to-air Sound power level 83.0 dΒ indoor outdoor L_{WA} pumps: Rated brine or water flow m³/h measured Emissions of nitrogen rate, outdoor heat NO, mg/kWh exchanger oxides (if applicable) kg CO2 ep 675 GWP of the refrigerant (100 years) MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS Contact details 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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		Pr	KODUCI.	INFORMATION				
Model(s): Information t				the information relates: PEFY-W71VMA2-A×5 u	nite DEEV	W/50VA	ЛА2-А ×	' Lunit
Outdoor heat exchanger				El 1-W/IVWIAZ-A/Sul	11115, 1 121 1 -	VV 30 V IV	IAZ-A	\ 1 uiiit
Indoor heat exchanger								
Type: compressor drive								
if applicable: driver of o	compresso	or: electric	motor					
Item	Symbol	Value	Unit	Item S	Symbol		Value	Unit
Rated cooling capacity	$P_{\text{rated,c}}$	45.00	kW	Seasonal space cooling renergy efficiency	ls,c		242	%
Declared cooling capa outdoor temperatures T bulb)				Declared energy efficient auxiliary energy factor temperatures T_j				
$T_j = +35 ^{\circ}\text{C}$	Pdc	45.00	kW	$T_j = +35 ^{\circ}\text{C}$	EER_d		2.97	%
$T_{i} = +30 {}^{\circ}\text{C}$	Pdc	33.16	kW	$T_i = +30 ^{\circ}\text{C}$	EER _d		4.57	%
$T_i = +25 ^{\circ}\text{C}$	Pdc	21.32	kW		EER_d		8.42	%
$T_i = +20 ^{\circ}\text{C}$	Pdc	18.08	kW		EER _d		9.75	%
,			1 1	,				
Degradation co- efficient air conditioners**	· C _d	0.25	-					
Power consumption in a	modes oth	er than 'ac	tive mode'					
Off mode	P_{OFF}	0.000	kW	Crankcase heater mode	P_{CK}		0.033	kW
Thermostat-off mode	P_{TO}	0.083	kW	Standby mode	P_{SB}		0.071	kW
Other items								
Capacity control	variable			For air-to-air air conditioner: Nominal air flow rate, outdoor measured		16200	m	³ /h
Sound power level, outdoor	L_{WA}	83.0	dB					
if engine driven: Emissions of nitrogen oxides		-	mg/kWh fuel input GCV					
GWP of the refrigerant		675	kg CO _{2 ep} (100 years)					
Contact details	AIR-CO 5-66,Teb	NDITION oira 6 Choi	ING & REFI ne,Wakayam	RPORATION RIGERATION SYSTEMS a-City 640-8686,Japan			•	
** If C _d is not determine	ed by mea	surement	then the defa	ult degradation coefficient	air conditio	ners sha	all be 0.2	5.
Where information rela	ites to mu	ılti-split ai	r conditioner	s, the test result and perfo	rmance dat	a may l	oe obtair	ned on the
	C .1			1				e .

⁽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-M400YNW-A1 (-BS) Indoor: PEFY-W71VMA2-A×5 units, PEFY-W50VMA2-A×1 unit Outdoor heat exchanger of air conditioner: air Indoor heat exchanger of air conditioner: air Indication if the heater is equipped with a supplementary heater: no Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional. Symbol Value Value Unit Symbol Unit Item Item Seasonal space heating 37.02 kW 137 Rated heating capacity Prated,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_i outdoor temperatures Ti $T_i = -7 \, ^{\circ}C$ Pdh 32.75 kW $T_i = -7$ °C COP_d 2.35 $T_i = +2$ °C Pdh 19.94 kW $T_i = +2 \, {}^{\circ}C$ COP_d 3.02 0/0 $T_i = +7$ °C Pdh 12.82 $T_i = +7$ °C kW COP_d 5.60 % $T_i = +12 \,{}^{\circ}\text{C}$ Pdh 9.88 kW $T_i = +12 \, {}^{\circ}C$ 6.33 % COP_d $T_i = bivalent$ $T_i = bivalent$ 2.41 Pdh 37.02 kW COP_d % temperature temperature 19.89 T_i = operation limit Pdh kW T_i = operation limit COP_d 2.25 0/0 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 % $T_{OL} < -20 \, {}^{\circ}\text{C})$ T_{OL} < -20 °C) For water-to-air heat °C °C 10.0 Bivalent temperature pumps: Operation limit T_{ol} temperature efficient heat pumps** 0.25 Power consumption in modes other than 'active mode' Supplementary heater Electric back-up Off mode POFF 0.000 kW elbu 0.000 kW heating capacity * P_{TO} 0.083 Thermostat-off mode kW Type of energy input Crankcase heater mode P_{CK} 0.033 kW kW P_{SB} 0.071 Standby mode Other items For air-to-air heat pumps: Nominal air 18900 variable m³/h Capacity control flow rate, outdoor measured For water-/brine-to-air Sound power level, 88.0 dΒ indoor outdoor L_{WA} heat pumps: Rated m³/h measured brine or water flow Emissions of nitrogen rate, outdoor NO, mg/kWh exchanger oxides (if applicable) kg CO2 ep 675 GWP of the refrigerant (100 years) MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS Contact details 5-66, Tebira 6 Chome, Wakayama-City 640-8686, Japan ** If C_d is not determined by measurement then the default degradation coefficient of heat pumps shall be 0,25. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.

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

				INFORMATI						
Model(s): Information to Outdoor: PURY-Man						its, PEFY-	W50VN	1A2-A	×4 un	iits
Outdoor heat exchanger										
Indoor heat exchanger of										
Type: compressor drive	n vapour	compressi	on							
if applicable: driver of c	ompresso	or: electric	motor							
Item	Symbol	Value	Unit	Item	S	Symbol		Value	e Un	nit
Rated cooling capacity	P _{rated,c}	50.00	kW	Seasonal space energy efficiency	cooling y	s,c		259	%	
Declared cooling capa outdoor temperatures T_j bulb) $T_j = +35$ °C				Declared energy auxiliary energy temperatures T_j $T_j = +35$ °C	y factor					ıtdoor
$T_j = +30 ^{\circ}\text{C}$	Pdc	36.84	kW	$T_{j} = +30 {}^{\circ}\text{C}$	F	EER_d		4.59	%	
$T_i = +25 ^{\circ}\text{C}$	Pdc	23.68	kW	$T_i = +25 ^{\circ}\text{C}$	F	EER_d		8.50	%	
$T_i = +20 ^{\circ}\text{C}$	Pdc	19.99	kW	$T_{i} = +20 {}^{\circ}\text{C}$		EER _d		12.77		
J			-	J		u			⊣ ``	
Degradation co- efficient air conditioners**	C_d	0.25	-							
Power consumption in r	nodes oth	ner than 'ac	ctive mode'							
Off mode	P_{OFF}	0.000	kW	Crankcase heate	r mode	P_{CK}		0.033	kW	V
Thermostat-off mode	P _{TO}	0.087	kW	Standby mode		P _{SB}		0.071		
Thermostat on mode	- 10	0.007	-	Standey mode		- 3B		0.071		•
Other items			-							
Capacity control	variable			For air-to-a conditioner: No flow rate, measured			16200		m³/h	
Sound power level, outdoor	L_{WA}	83.0	dB							
if engine driven: Emissions of nitrogen oxides		-	mg/kWh fuel input GCV							
GWP of the refrigerant		675	kg CO _{2 ep} (100 years)							
Contact details	AIR-CO 5-66,Tel	ONDITION bira 6 Chor	IING & REFI me,Wakayan	RPORATION RIGERATION SY na-City 640-8686,J	Japan					
** If C _d is not determine	ed by me	asurement	then the defa	ult degradation co	efficient	air conditio	oners sha	all be C).25.	
Where information rela	tes to mi	ulti-split ai	ir conditioner	rs, the test result a	and perfo	rmance dat	ta may l	be obta	ained o	on the
basis of the performance	a of tha	outdoor un	it with a con	nhination of indoc	or unit(c)	racommani	lad by t	ha mar	nifoctii	ror or

⁽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-M450YNW-A1 (-BS) Indoor: PEFY-W63VMA2-A×4 units, PEFY-W50VMA2-A×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. Symbol Value Value Unit Symbol Unit Item Item Seasonal space heating 37.00 kW 137 Rated heating capacity Prated,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_i outdoor temperatures Ti $T_i = -7 \, ^{\circ}C$ Pdh 32.73 kW $T_i = -7$ °C COP_d 2.33 $T_i = +2 \, ^{\circ}C$ Pdh 19.92 $T_i = +2 \, {}^{\circ}C$ COP_d 2.91 0/0 kW $T_i = +7$ °C Pdh 12.81 kW $T_i = +7$ °C COP_d 6.07 % 9.91 $T_i = +12 \,{}^{\circ}\text{C}$ Pdh kW $T_i = +12 \, {}^{\circ}C$ 6.24 COP_d % $T_i = bivalent$ $T_i = bivalent$ Pdh 37.00 kW COP_d 2.59 % temperature temperature 19.89 T_i = operation limit Pdh kW T_i = operation limit COP_d 2.28 0/0 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 % T_{OL} < -20 °C) $T_{OL} < -20 \, {}^{\circ}\text{C})$ For water-to-air heat °C °C 10.0 Bivalent temperature pumps: Operation limit T_{ol} temperature Degradation $^{\text{co-}}_{\cdot \cdot} \, C_{dh}$ 0.25 efficient heat pumps** Power consumption in modes other than 'active mode' Supplementary heater Electric back-up Off mode POFF 0.000 kW elbu 0.000 kW heating capacity * P_{TO} 0.087 Thermostat-off mode kW Type of energy input Crankcase heater mode P_{CK} 0.033 kW kW P_{SB} 0.071 Standby mode Other items For air-to-air heat pumps: Nominal air 18900 m³/h Capacity control variable rate, outdoor measured For water-/brine-to-air Sound power level 89.0 dΒ indoor outdoor L_{WA} pumps: Rated m³/h measured brine or water flow Emissions of nitrogen rate, outdoor NO, mg/kWh exchanger oxides (if applicable) kg CO2 ep 675 GWP of the refrigerant (100 years)

5-66, Tebira 6 Chome, Wakayama-City 640-8686, Japan

AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS

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.

MITSUBISHI ELECTRIC CORPORATION

Contact details

^{**} If C_d is not determined by measurement then the default degradation coefficient of heat pumps shall be 0,25.

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

_					TORMATION					
Model(s): Information t	_									
Outdoor : PUR'				lnc	loor: PEFY-W63VMA2-	A×8 units				
Outdoor heat exchanger										
Indoor heat exchanger of										
Type: compressor drive										
if applicable: driver of o	Symbol	Value	Unit		Itam C	ymbol		Value	a I	Jnit
Item	Symbol	varue	Ullit			-		v aruv		IIII
Rated cooling capacity	$P_{\text{rated,c}}$	56.00	kW		Seasonal space cooling η energy efficiency	s,c		232	%	ò
Declared cooling capa	acity for	part loa	d at given		Declared energy efficience	cy ratio or	gas utili	ization	effic	iency
outdoor temperatures T	and indo	or 27°/19	°C (dry/wet		auxiliary energy factor	for part	load	at giv	ven c	outdoo
bulb)					temperatures T _j					
$T_j = +35 ^{\circ}\text{C}$	Pdc	56.00	kW		$T_i = +35 ^{\circ}\text{C}$	ER_d		2.51	9/	6
$T_j = +30 ^{\circ}\text{C}$	Pdc	41.26	kW		$T_i = +30 ^{\circ}\text{C}$	ER _d		3.94	<u>o,</u>	6
$T_i = +25 ^{\circ}\text{C}$	Pdc	26.53	kW		$T_i = +25 ^{\circ}\text{C}$	ER_d		7.48	9/	6
$T_i = +20 ^{\circ}\text{C}$	Pdc	19.57	kW		$T_i = +20 ^{\circ}\text{C}$	ER_d		13.16	5 %	6
,					j					
Degradation co-										
efficient air	\cdot C_d	0.25	-							
conditioners**										
Power consumption in 1	nodes oth	er than 'ac	ctive mode'							
•			_			_			_	
Off mode	P _{OFF}	0.000	kW		Crankcase heater mode	P_{CK}		0.034		W
Thermostat-off mode	P_{TO}	0.086	kW		Standby mode	P_{SB}		0.070) k	W
0.1				ŀ						
Other items				H	For air-to-air air	1	1			
					conditioner: Nominal air					
Capacity control	variable				flow rate, outdoor	_	17700		m³/h	
					measured					
Sound power level,	_			H	- Incusured					
outdoor	L_{WA}	82.0	dB							
			m o /lrW/h							
if engine driven: Emissions of nitrogen			mg/kWh fuel input							
oxides	NO_{x}	-	GCV							
Oxides			GCV							
CIMD C1 C:		(75	kg CO ₂ ep							
GWP of the refrigerant		675	(100 years)							
	MITSUE	BISHI ELI	ECTRIC CO	RI	PORATION	<u> </u>	<u> </u>			
Contact details					IGERATION SYSTEMS	WORKS				
	5-66,Teb	oira 6 Cho	me,Wakayar	na	-City 640-8686,Japan					
** If C _d is not determin					It degradation coefficient	air conditio	oners sha	all be (0.25.	
					, the test result and perfo					on the
1		-			•		•			

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

			CODCCI	_	THE CHAIN THE TOTAL					
Model(s): Information t	-									
Outdoor: PUR				ln	door: PEFY-W63VMA2-	-A×8 units				
Outdoor heat exchange										
Indoor heat exchanger of Indication if the heater				** 7	haatari na					
				-	son, parameters for the w	armer and	colder h	eating	F 609	acone are
optional.	laicu ioi	the averag	ge meaning s	Ca	ison, parameters for the w	armer and	COIGCI I	icating	; sca	isons are
Item	Symbol	Value	Unit		Item	Symbol		Valı	ue	Unit
	-			Ì	Seasonal space heating			12		
Rated heating capacity	P _{rated,h}	37.50	kW		energy efficiency	$\eta_{s,h}$		13'	/	%
Declared heating capa	ecity for	nart load	at indoor		Declared coefficient o	-		_		
temperature 20 °C and					efficiency / auxiliary en	nergy facto	or for p	art lo	ad	at given
			-1		outdoor temperatures T _j					•
$T_j = -7 ^{\circ}C$	Pdh	33.17	kW		$T_j = -7 ^{\circ}C$	COP_d		2.45		%
$T_j = +2 ^{\circ}C$	Pdh	20.19	kW		$T_j = +2 {}^{\circ}C$	COP_d		3.06		%
$T_j = +7 ^{\circ}C$	Pdh	12.98	kW		$T_j = +7$ °C	COP_d		5.05		%
$T_j = +12 ^{\circ}C$	Pdh	10.29	kW		$T_j = +12 ^{\circ}\text{C}$	COP_d		6.92		%
$T_j = bivalent$	Pdh	37.50	kW		$T_j = bivalent$	COP_d		2.84		%
temperature T _i = operation limit	Pdh	20.13	kW		temperature $T_i = \text{operation limit}$	COR		2.45		9/ 0
For air-to-water heat		20.13	K W		For water-to-air heat	COP_d		2.43		70
pumps: $T_i = -15$ °C (if		_	kW		pumps: $T_i = -15$ °C (if	COP_d				%
$T_{OL} < -20 ^{\circ}\text{C}$	1 dii	_	K VV		T_{OL} < -20 °C)	COI d		-		70
					For water-to-air heat					
Bivalent temperature	$T_{\rm biv}$	-10.0	°C			T_{ol}		_		°C
1	biv .				temperature	OI .				
			1		•					
Degradation co-		0.25								
efficient heat pumps**	C_{dh}	0.25	-							
Power consumption in	modes oth	er than 'ac	tive mode'		Supplementary heater					
F			7							
Off mode	P_{OFF}	0.000	kW		Electric back-up	elbu		0.000)	kW
Thermostat-off mode	P_{TO}	0.086	kW		heating capacity * Type of energy input					
			- K VV		Type of energy input					
Crankcase heater mode	P_{CK}	0.034	kW		Standby mode	P_{SB}		0.070)	kW
Other items			•			1				
					For air-to-air heat					
Capacity control	variable				pumps: Nominal air		17700		m³/	h
Capacity control	variable				flow rate, outdoor		17700		111 /	11
			1		measured					
Sound power level,		0.4.0	15		For water-/brine-to-air					
indoor / outdoor	L_{WA}	84.0	dB		heat pumps: Rated				3/	1.
measured					brine or water flow rate, outdoor heat	-	-		m³/	n
Emissions of nitrogen oxides (if applicable)	NO _x	-	mg/kWh		rate, outdoor heat exchanger					
oxides (ii applicable)					CACHAIIgCI					
GWP of the refrigerant		675	kg CO ₂ ep							
			(100 years)							
					PORATION					
Contact details					IGERATION SYSTEMS	WORKS				
** ICC :					a-City 640-8686,Japan	C1 :		11 0	25	
					alt degradation coefficient					1 .1
					s, the test result and perfo					
basis of the performance	e or the o	utaoor un	ii, with a co	m	bination of indoor unit(s)	recommen	aea by ti	ne mai	iuIa	icturer or

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

				n ii Olamiiioi						
Model(s): Information t Outdoor: PUR				the information relate Indoor: PEFY-W50		-A×4 unit	S			
Outdoor heat exchanger										
Indoor heat exchanger of	of air con	ditioner: ai	r							
Type: compressor drive										
if applicable: driver of o	compress	or: electric								
Item	Symbol	Value	Unit	Item	Sy	ymbol		Valu	e	Unit
Rated cooling capacity	$P_{\text{rated,c}}$	22.40	kW	Seasonal space coor energy efficiency	oling η_s	i,c		259		%
Declared cooling capa outdoor temperatures T bulb)				Declared energy ef auxiliary energy temperatures T _j						
$T_j = +35 ^{\circ}\text{C}$	Pdc	22.40	kW	$T_j = +35 ^{\circ}\text{C}$	E	ER_d		4.36		0/0
$T_j = +30 ^{\circ}\text{C}$	Pdc	16.51	kW	$T_j = +30 {}^{\circ}\mathrm{C}$	E	ER_d		6.53		%
$T_j = +25 ^{\circ}C$	Pdc	10.61	kW	$T_{j} = +25 {}^{\circ}\text{C}$	E	ER_d		9.36		0/o
$T_{i} = +20 {}^{\circ}\text{C}$	Pdc	12.67	kW	$T_{i} = +20 {}^{\circ}\text{C}$	E	ER_d		7.73		9/0
Degradation co- efficient air conditioners**	· C _d	0.25	-							
Power consumption in r	nodes otl	ner than 'ac	tive mode'							
Off mode Thermostat-off mode	P_{OFF} P_{TO}	0.000	kW kW	Crankcase heater m Standby mode		P _{CK} P _{SB}		0.035		kW kW
Other items										
Capacity control	variable			For air-to-air conditioner: Nomin flow rate, o measured	air nal air outdoor	-	10200		m³/l	1
Sound power level, outdoor	L_{WA}	76.0	dB							
if engine driven: Emissions of nitrogen oxides		-	mg/kWh fuel input GCV							
GWP of the refrigerant		675	kg CO _{2 ep} (100 years)							
Contact details	AIR-CC 5-66,Te	ONDITION bira 6 Cho	ING & REFI me,Wakayam	RPORATION RIGERATION SYST na-City 640-8686,Jap	an					
** If C _d is not determine	ed by me	asurement	then the defa	ult degradation coeff	ficient a	ir conditio	oners sh	all be	0.25	•
Where information rela	ites to m	ulti-split ai	r conditioner	s, the test result and	l perfor	mance dat	ta may	be obt	aine	d on the
hasis of the performance	e of the o	outdoor un	it with a con	nhination of indoor u	init(s) r	ecommeno	led by t	he mai	nufa	cturer or

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

			CODCCI		THE CHANGE OF THE CASE					
Model(s): Information t	to identify	the mode	l(s) to whicl	h t	the information relates:					
Outdoor: PUR	Y-EM200	YNW-A1	(-BS)]	Indoor: PEFY-W50VMA	2-A×4 unit	ts			
Outdoor heat exchanger	r of air co	nditioner:	air							
Indoor heat exchanger of										
Indication if the heater				_						
	clared for	the averag	ge heating s	ea	ason, parameters for the w	armer and	colder h	eating	g sea	asons are
optional.				_						
Item	Symbol	Value	Unit	1	Item	Symbol		Val	ue	Unit
Rated heating capacity	$P_{\text{rated},h}$	22.50	kW		Seasonal space heating energy efficiency	$\eta_{s,h} \\$		14	7	%
D 1 11 4	·. c			1	Declared coefficient of	of perform	nance o	r gas	s u	tilization
Declared heating capa temperature 20 °C and of					efficiency / auxiliary en	nergy facto	or for p	art lo	oad	at given
			_		outdoor temperatures T _j					7
$T_j = -7 ^{\circ}C$	Pdh	19.90	kW		$T_j = -7$ °C	COP_d		2.40		%
$T_j = +2 ^{\circ}C$	Pdh	12.12	kW		$T_j = + 2 ^{\circ}C$	COP_d		3.52		%
$T_j = +7$ °C	Pdh	7.79	kW		$T_j = +7$ °C	COP_d		5.39		%
$T_j = +12 ^{\circ}C$	Pdh	6.40	kW		$T_j = +12 ^{\circ}C$	COP_d		5.75		%
$T_j = bivalent$	Pdh	22.50	kW		$T_j = bivalent$	COP_d		2.07		9/0
temperature	D. II	10.10	4		temperature			1.05		
$T_j = \text{operation limit}$	Pdh	12.10	kW		T_j = operation limit	COP_d		1.85		%
For air-to-water heat			1 337		For water-to-air heat	COD				
pumps: $T_j = -15$ °C (if	Pan	-	kW		pumps: $T_j = -15$ °C (if	COP_d		-		%
$T_{OL} < -20 ^{\circ}\text{C}$			-		$T_{OL} < -20 ^{\circ}\text{C}$					
D:1	т	10.0	9C		For water-to-air heat	т				°C
Bivalent temperature	$T_{ m biv}$	-10.0	°C		pumps: Operation limit	T_{ol}		-		-C
		-	-		temperature					ł
Degradation co-		-	4							ł
Degradation co- efficient heat pumps**	C_{dh}	0.25	-							
Power consumption in 1	modes oth	or than 'ac	etiva moda!	1	Supplementary heater					<u>. </u>
rower consumption in i	modes our	ei man ac	- Hode		Supplementary heater					-
Off mode	P_{OFF}	0.000	kW		Electric back-up	elbu		0.000)	kW
					heating capacity *	-				1.,,
Thermostat-off mode	P_{TO}	0.071	kW		Type of energy input					
Crankcase heater mode	P_{CK}	0.035	kW		Standby mode	P_{SB}		0.063	3	kW
Other items			1	1		1				
				1	For air-to-air heat					
G ' 1	:-1-1-				pumps: Nominal air		10200		3	/I_
Capacity control	variable				flow rate, outdoor	-	10200		m ³ /	n
					measured					
Sound power level,	,			1	For water-/brine-to-air					
indoor / outdoor	L_{WA}	78.0	dB		heat pumps: Rated					
measured					brine or water flow	-	-		m ³ /	'h
Emissions of nitrogen	NO.	_	mg/kWh		rate, outdoor heat					
oxides (if applicable)	1 , O X		ing it iii	Ļ	exchanger					
GWP of the refrigerant		675	kg CO _{2 ep} (100 years)							
	MITSUF	BISHI ELF	ECTRIC CO)R	PORATION					
Contact details					RIGERATION SYSTEMS	WORKS				
					a-City 640-8686,Japan					
** If C _d is not determin					ult degradation coefficient	of heat pur	mps shal	l be 0.	,25.	
					s, the test result and perfo					ed on the
					bination of indoor unit(s)					

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

					MICKWIATION				
Model(s): Information t							•.		
Outdoor: PUR'				I	Indoor: PEFY-W63VMA	12-A×4 un	its		
Outdoor heat exchanger of Indoor heat exchanger of									
Type: compressor drive									
if applicable: driver of o		_							
Item	Symbol	Value	Unit		Item	Symbol		Value	e Unit
				l					
Rated cooling capacity	P _{rated,c}	28.00	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$		263	%
Declared cooling capa					Declared energy efficier				
outdoor temperatures T	_j and indo	oor 27°/19°	°C (dry/wet		auxiliary energy facto	r for pai	rt load	at giv	ven outdoor
bulb)			-		temperatures T _j				
$T_j = +35 ^{\circ}\text{C}$	Pdc	28.00	kW		J	EER_d		3.64	9/0
$T_j = +30 ^{\circ}C$	Pdc	20.63	kW		J	EER_d		5.56	%
$T_j = +25 ^{\circ}\mathrm{C}$	Pdc	13.26	kW		J	EER_d		9.48	9/0
$T_j = +20 ^{\circ}\text{C}$	Pdc	12.76	kW		$T_j = +20 ^{\circ}C$	EER _d		9.39	0/0
Degradation co-			1					-	
-	\cdot C_d	0.25	_						
conditioners**	u								
Power consumption in 1	nodes oth	ner than 'ac	tive mode'						
Off mode	P_{OFF}	0.000	kW		Crankcase heater mode	P_{CK}		0.035	5 kW
Thermostat-off mode	P _{TO}	0.071	kW		Standby mode	P _{SB}		0.063	
Thermostat-off mode	1 10	0.071	K VV		Standby mode	- SB		0.005	, KV
Other items									
					For air-to-air air	ir			
C	vomi oblo				conditioner: Nominal a	ir	11100		3/la
Capacity control	variable				flow rate, outdoo	or	11100		m³/h
					measured				
Sound power level,	L_{WA}	78.5	dB						
outdoor	-wA								
if engine driven:			mg/kWh						
Emissions of nitrogen	NO_x	-	fuel input						
oxides			GCV						
Emissions of nitrogen				-					
oxides (if applicable)	NO_x	-	mg/kWh						
, II /			kg CO _{2 ep}						
GWP of the refrigerant		675	(100 years)						
	MITSUI	BISHI ELE	ECTRIC CO	R	PORATION		_1		
Contact details					RIGERATION SYSTEMS	WORKS			
					a-City 640-8686,Japan				
** If C _d is not determine	ed by mea	asurement	then the def	aı	ılt degradation coefficient	air condit	ioners sha	all be (0.25.
Where information rela	ites to mu	ılti-split ai	r conditione	rs	s, the test result and perfe	ormance d	ata may l	be obt	ained on the

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

				_						
Model(s): Information t	-									
Outdoor: PUH				I	ndoor: PEFY-W63VMA	2-A×4 unit	S			
Outdoor heat exchanger										
Indoor heat exchanger of Indication if the heater					haatam na					
					son, parameters for the w	armar and	colder k	ooting	T CO.	acone are
optional.	lated 101	the averag	ge nearing s	ea	son, parameters for the w	armer and	colder i	leating	sea	asons are
Item	Symbol	Value	Unit		Item	Symbol		Val	116	Unit
				1	Seasonal space heating	Symbol		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	uc	
Rated heating capacity	P _{rated,h}	22.50	kW		energy efficiency	$\eta_{s,h} \\$		14	1	%
Declared heating capa	oity for	part load	at indoor		Declared coefficient o	f perform	ance o	r gas	s u	tilization
temperature 20 °C and of					efficiency / auxiliary en	nergy facto	or for p	art lo	oad	at given
	outuoor te		- ₁		outdoor temperatures T _j					•
$T_j = -7 ^{\circ}C$	Pdh	19.90	kW		$T_j = -7 ^{\circ}C$	COP_d		2.37		%
$T_j = + 2 ^{\circ}C$	Pdh	12.12	kW		$T_j = +2 {}^{\circ}C$	COP_d		3.36		%
$T_j = +7 ^{\circ}C$	Pdh	7.79	kW		$T_j = +7 ^{\circ}C$	COP_d		5.24		%
$T_j = + 12 ^{\circ}C$	Pdh	6.53	kW		$T_j = + 12 ^{\circ}\text{C}$	COP_d		5.25		%
$T_j = bivalent$	Pdh	22.50	kW		$T_j = bivalent$	COP_d		2.17		9/0
temperature		22.00	K VV		temperature	COId				70
T_j = operation limit	Pdh	12.10	kW		T_j = operation limit	COP_d		1.85		%
For air-to-water heat					For water-to-air heat					
pumps: $T_j = -15$ °C (if	Pdh	-	kW		pumps: $T_j = -15$ °C (if	COP_d		-		%
T_{OL} < - 20 °C)					$T_{OL} < -20 ^{\circ}\text{C}$					
					For water-to-air heat					
Bivalent temperature	T_{biv}	-10.0	°C		pumps: Operation limit	T_{ol}		-		°C
					temperature					
Degradation co-	C_{dh}	0.25								
efficient heat pumps**	C _{dh}	0.23	-							
Power consumption in a	nodes oth	ner than 'ac	tive mode'		Supplementary heater					
F			7							1
Off mode	P_{OFF}	0.000	kW		Electric back-up	elbu		0.000)	kW
TEI	D	0.071	1 337		heating capacity *			ļ		
Thermostat-off mode	P_{TO}	0.071	kW		Type of energy input					
Crankcase heater mode	P_{CK}	0.035	kW		Standby mode	P_{SB}		0.063	3	kW
Other items				1						
				T	For air-to-air heat					
					pumps: Nominal air		11100			
Capacity control	variable				flow rate, outdoor	-	11100		m ³ /	n
					measured					
Sound power level,					For water-/brine-to-air					
indoor / outdoor	L_{WA}	80.0	dB		heat pumps: Rated					
measured					brine or water flow	-	-		m³/	h
Emissions of nitrogen	NO _x		mg/kWh		rate, outdoor heat					
oxides (if applicable)	NO _x		ilig/K vv ii		exchanger					
			kg CO ₂ ep							
GWP of the refrigerant		675	(100 years)							
	MITCIII	ріспі ет г	-	D.	PORATION	<u> </u>				
Contact details					IGERATION SYSTEMS	WODKC				
Contact uctans					-City 640-8686,Japan	MOKKS				
** If C. is not determin					lt degradation coefficient	of heat num	nne chal	l he Ω	25	
-					, the test result and perfo					d on the
					bination of indoor unit(s)					
importer.	o or the C	JuluOO1 UII	u, willi a co	1111	omation of muoof unit(8)	reconnitell(ica by t	iic IIId	11416	iciuiti Ol
importer.										

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

r					NIORWATION					
Model(s): Information t	-					2 4				
Outdoor boat avalances					ndoor: PEFY-W50VMA	2-A×6 unii	S			
Outdoor heat exchanger of Indoor heat exchanger of										
Type: compressor drive										
if applicable: driver of o										
Item	Symbol		Unit		Item S	Symbol		Valu	e	Unit
Rated cooling capacity		33.50	kW		Seasonal space cooling energy efficiency			284		%
Declared cooling capa	acity for	part loa	d at given		Declared energy efficien	cy ratio or	gas util	izatior	ı eff	iciency
outdoor temperatures T					auxiliary energy factor	-	-			-
bulb)			. •		temperatures T _i	•				
$T_i = +35 ^{\circ}\text{C}$	Pdc	33.50	kW		$T_i = +35 ^{\circ}\text{C}$	EER _d		3.93		9/0
$T_i = +30 ^{\circ}\text{C}$	Pdc	24.68	kW		· ·	EER _d		6.02		0/o
$T_i = +25 ^{\circ}\text{C}$	Pdc	15.87	kW			EER _d		10.44	1	9/0
$T_i = +20 ^{\circ}\text{C}$	Pdc	13.61	kW		7	EER _d		9.49		%
1 200	1 00	10.01	- 1		1	u		<i></i>		70
Degradation co- efficient air conditioners**	C_d	0.25	-							
		41 !	4: 1-!					ı		
Power consumption in r	nodes ou	ner than ac	cuve mode							
Off mode	P_{OFF}	0.000	kW		Crankcase heater mode	P_{CK}		0.035	5	kW
Thermostat-off mode	P_{TO}	0.081	kW		Standby mode	P_{SB}		0.069	•	kW
Other items										
Capacity control	variable				For air-to-air ai conditioner: Nominal ai flow rate, outdoo measured	r -	12000		m³/	h
Sound power level, outdoor	L_{WA}	80.0	dB							
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV							
GWP of the refrigerant		675	kg CO _{2 ep} (100 years)							
Contact details	AIR-CC	NDITION	IING & REF	R	PORATION LIGERATION SYSTEMS a-City 640-8686,Japan	WORKS				
** If C _d is not determine	ed by me	asurement	then the def	aı	ılt degradation coefficient	air condition	oners sh	all be	0.25	
Where information rela	tes to m	ulti-split a	ir conditione	ers	s, the test result and perfo	rmance da	ta may	be obt	aine	d on the
					hingtion of indoor unit(s)					

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

Model(s): Information t Outdoor: PUR	•				he information relates: Indoor: PEFY-W50VMA	2-∆×6 uni	te			
Outdoor heat exchanger					indoor . TET 1-W30VIVIT	2-11×0 um				
Indoor heat exchanger of				_						
Indication if the heater				y	heater: no					
					son, parameters for the w	armer and	colder h	eating	g sea	asons are
optional.										
Item	Symbol	Value	Unit		Item	Symbol		Val	ue	Unit
Rated heating capacity	P _{rated,h}	22.50	kW		Seasonal space heating energy efficiency	$\eta_{s,h} \\$		14	1	%
Declared heating capa temperature 20 °C and of					Declared coefficient of efficiency / auxiliary efforts outdoor temperatures T _i					
T _i = - 7 °C	Pdh	19.90	kW		$T_i = -7 ^{\circ}\text{C}$	COP_d		2,22		%
$T_i = +2 ^{\circ}C$	Pdh	12.12	kW	l	$T_i = +2 ^{\circ}C$	COP_d		3.27		%
$T_i = +7 ^{\circ}\text{C}$	Pdh	7.79	kW	ĺ	$T_i = +7 ^{\circ}\text{C}$	COP_d		5.77		70 %
$T_i = +12 ^{\circ}\text{C}$	Pdh	6.09	kW	l	$T_i = +12 ^{\circ}\text{C}$	COP_d		5.67		%
$T_i = \text{bivalent}$	I un	0.03	- K VV	l	$T_i = \text{bivalent}$	COI d		3.07		70
temperature	Pdh	22.50	kW	l	temperature	COP_d		2.53		%
$T_i = operation limit$	Pdh	12.10	kW	l	$T_i = operation limit$	COP_d		1.82		%
For air-to-water heat		12.10	- K VV	l	For water-to-air heat	COI d		1.02		70
			kW	l	pumps: $T_j = -15$ °C (if	COP_d				0/
pumps: $T_j = -15$ °C (if	ruii	-	K VV	l		COP_d		-		0/0
$T_{OL} < -20 ^{\circ}\text{C}$		-	4	l	$T_{OL} < -20 ^{\circ}\text{C}$					
D: 1	т	10.0	00	l	For water-to-air heat	т				00
Bivalent temperature	$T_{\rm biv}$	-10.0	°C	l	pumps: Operation limit	T_{ol}		-		℃
			4	l	temperature					ļ
			4	l						
Degradation co- efficient heat pumps**	C_{dh}	0.25	-							
Power consumption in 1	nodes oth	er than 'ac	tive mode'		Supplementary heater					
			7	ĺ	Electric back-up					1
Off mode	P_{OFF}	0.000	kW	l	Electric back-up heating capacity *	elbu		0.000)	kW
Thermostat-off mode	P_{TO}	0.081	kW	l	Type of energy input					
Thermostat-off mode	1 TO	0.001	- K VV	ĺ	Type of energy input					
Crankcase heater mode	P_{CK}	0.035	kW		Standby mode	P_{SB}		0.069)	kW
Other items		•	•			•				
				l	For air-to-air heat					
Capacity control	variable			l	pumps: Nominal air		14400		m³/	'n
Capacity control	variable			l	flow rate, outdoor	ľ	14400		111 /	11
				L	measured					
Sound power level,				l	For water-/brine-to-air					
indoor / outdoor	L_{WA}	86.5	dB	l	heat pumps: Rated					
measured				L	brine or water flow	-	-		m ³ /	'h
Emissions of nitrogen	NO	_	mg/kWh		rate, outdoor heat					
oxides (if applicable)	TTO _X	_	ilig/K vv ii	L	exchanger					
GWP of the refrigerant		675	kg CO _{2 ep} (100 years)							
	MITSUE	ISHI ELE	ECTRIC CO	R	PORATION	•				
Contact details					LIGERATION SYSTEMS	WORKS				
					a-City 640-8686,Japan					
** If C _d is not determine					alt degradation coefficient	of heat pur	mps shal	1 be 0.	25.	
					s, the test result and perfo					ed on the
					bination of indoor unit(s)					
1	0			-					•	

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

				INFORMATI				
Model(s): Information t Outdoor: PURY-EN						Y-W50V	MA2-A	×2 units
Outdoor heat exchanger					,			
Indoor heat exchanger of	of air con	ditioner: a	ir					
Type: compressor drive	n vapour	compressi	on					
if applicable: driver of o	compress	or: electric	motor					
Item	Symbol	Value	Unit	Item	Symbol		Value	Unit
Rated cooling capacity	$P_{\text{rated,c}}$	40.00	kW	Seasonal space energy efficience	$\begin{array}{c} \text{cooling} \\ \eta_{s,c} \end{array}$		286	%
Declared cooling capa outdoor temperatures T					y efficiency ratio o y factor for pa	C		-
bulb)	J		. ()	temperatures T _i	J		6	
$T_i = +35 ^{\circ}\text{C}$	Pdc	40.00	kW	$T_i = +35 ^{\circ}\text{C}$	EER_d		3.53	9/o
$T_j = +30 ^{\circ}C$	Pdc	29.47	kW	$T_{i} = +30 {}^{\circ}\text{C}$	EER_d		5.61	%
$T_j = +25 ^{\circ}\text{C}$	Pdc	18.95	kW	$T_{i} = +25 {}^{\circ}\text{C}$	EER_d		10.08	%
$T_j = +20 ^{\circ}C$	Pdc	13.84	kW	$T_j = +20 ^{\circ}C$	EER_d		11.22	9/6
Degradation co- efficient air conditioners**	· C _d	0.25	_					
Power consumption in 1	modes oth	ner than 'ac	ctive mode'					
Off mode	P_{OFF}	0.000	kW	Crankcase heate	r mode P _{CK}		0.034	kW
Thermostat-off mode	P_{TO}	0.082	kW	Standby mode	P_{SB}		0.070	kW
Other items			1					
Capacity control	variable			For air-to-a conditioner: No flow rate, measured		15000	n	n³/h
Sound power level, outdoor	L_{WA}	81.0	dB					
if engine driven: Emissions of nitrogen oxides		-	mg/kWh fuel input GCV					
GWP of the refrigerant		675	kg CO _{2 ep} (100 years)					
Contact details	AIR-CO	NDITION	IING & REF	RPORATION RIGERATION SY 1a-City 640-8686,J				
** If C _d is not determin						tioners sh	all be 0.	25.
Where information rela								

⁽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-EM350YNW-A1 (-BS) Indoor: PEFY-W63VMA2-A×4 units, PEFY-W50VMA2-A×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. Symbol Value Value Unit Symbol Unit Item Item Seasonal space heating 28.00 kW 137 Rated heating capacity Prated,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_i outdoor temperatures Ti $T_i = -7 \, ^{\circ}C$ Pdh 24.77 kW $T_i = -7$ °C COP_d 2.25 $T_i = +2$ °C Pdh 15.08 kW $T_i = +2 \, {}^{\circ}C$ COP_d 3.11 0/0 $T_i = +7$ °C Pdh $T_i = +7$ °C 5.46 9.69 kW COP_d % $T_i = +12 \,{}^{\circ}\text{C}$ Pdh 7.41 kW $T_i = +12 \, {}^{\circ}C$ 6.36 % COP_d $T_i = bivalent$ $T_i = bivalent$ Pdh 28.00 kW COP_d 2.81 % temperature temperature 15.04 T_i = operation limit Pdh kW T_i = operation limit COP_d 2.20 0/0 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 % $T_{OL} < -20 \, {}^{\circ}\text{C})$ T_{OL} < -20 °C) For water-to-air heat °C °C 10.0 Bivalent temperature pumps: Operation limit T_{ol} temperature efficient heat pumps** 0.25 Power consumption in modes other than 'active mode' Supplementary heater Electric back-up Off mode POFF 0.000 kW elbu 0.000 kW heating capacity * P_{TO} Thermostat-off mode 0.082 kW Type of energy input Crankcase heater mode P_{CK} 0.034 kW P_{SB} 0.070 kW Standby mode Other items For air-to-air heat pumps: Nominal air 15000 m³/h Capacity control variable flow rate, outdoor measured For water-/brine-to-air Sound power level, 83.0 dΒ indoor outdoor L_{WA} heat pumps: Rated m³/h measured brine or water flow Emissions of nitrogen rate, outdoor heat NO, mg/kWh exchanger oxides (if applicable) kg CO2 ep 675 GWP of the refrigerant (100 years) MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS Contact details 5-66, Tebira 6 Chome, Wakayama-City 640-8686, Japan ** If C_d is not determined by measurement then the default degradation coefficient of heat pumps shall be 0,25. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.

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				INTORMAT					
Model(s): Information to Outdoor: PURY-EM						units, PEFY	-W50V	MA2- <i>i</i>	$\mathbf{A} \times 1$ unit
Outdoor heat exchanger									
Indoor heat exchanger of									
Type: compressor drive	n vapour	compressi	on						
if applicable: driver of c	compresso	or: electric	motor						
Item	Symbol	Value	Unit	Item	5	Symbol		Value	Unit
Rated cooling capacity	P _{rated,c}	45.00	kW	Seasonal space energy efficien	e cooling ncy	ls,c		261	%
Declared cooling capa outdoor temperatures T_j bulb) $T_j = +35$ °C				Declared energy auxiliary energy temperatures T $T_j = +35$ °C	rgy factor				
$T_{j} = +30 {}^{\circ}\text{C}$	Pdc	33.16	kW	$T_{j} = +30 {}^{\circ}\text{C}$	F	EER_d		5.16	%
$T_i = +25 ^{\circ}\text{C}$	Pdc	21.32	kW	$T_i = +25 ^{\circ}\text{C}$		EER_d		9.25	<u>%</u>
$T_i = +20 ^{\circ}\text{C}$	Pdc	18.35	kW	$T_i = +20 ^{\circ}C$		EER _d		9.71	%
1, 20 0	1	10.00	- 1	1,		-u			- '
Degradation co- efficient air conditioners**	· C _d	0.25	-						
Power consumption in r	nodes oth	ner than 'ac	tive mode'						
Off mode	P_{OFF}	0.000	kW	Crankcase hear	ter mode	P_{CK}		0.033	kW
Thermostat-off mode	P_{TO}	0.083	kW	Standby mode		P_{SB}		0.071	kW
Other items			1						
Capacity control	variable			For air-to- conditioner: N flow rate, measured		r -	16200	1	m³/h
Sound power level, outdoor	L_{WA}	83.0	dB						
if engine driven: Emissions of nitrogen oxides		-	mg/kWh fuel input GCV						
GWP of the refrigerant		675	kg CO _{2 ep} (100 years)						
Contact details	AIR-CO 5-66,Tel	NDITION bira 6 Chor	IING & REFI me,Wakayan	RPORATION RIGERATION S na-City 640-8686	5,Japan				
** If C _d is not determine	ed by mea	asurement	then the defa	ult degradation o	coefficient	air condition	oners sha	all be 0).25.
Where information rela	tes to mi	alti-split ai	r conditioner	rs, the test result	and perfo	rmance da	ta may l	be obta	ained on the
1 . 6 . 6	C .1	. 1		1	• • • •				c .

⁽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-EM400YNW-A1 (-BS) Indoor: PEFY-W71VMA2-A×5 units, PEFY-W50VMA2-A×1 unit Outdoor heat exchanger of air conditioner: air Indoor heat exchanger of air conditioner: air Indication if the heater is equipped with a supplementary heater: no Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional. Symbol Symbol Value Value Unit Unit Item Item Seasonal space heating Rated heating capacity Prated,h 35.80 kW 137 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_i outdoor temperatures Ti $T_i = -7 \, ^{\circ}C$ Pdh 31.67 kW $T_i = -7$ °C COP_d 2.36 $T_i = +2$ °C Pdh 19.28 kW $T_i = +2 \, {}^{\circ}C$ COP_d 3.01 0/0 $T_i = +7 \,^{\circ}C$ Pdh 12.39 $T_i = +7$ °C kW COP_d 5.64 % $T_i = +12 \,{}^{\circ}\text{C}$ Pdh 10.07 kW $T_i = +12 \, {}^{\circ}C$ 6.29 % COP_d $T_i = bivalent$ $T_i = bivalent$ Pdh 35.80 kW COP_d 2.54 % temperature temperature T_i = operation limit Pdh 19.24 kW T_i = operation limit COP_d 2.27 0/0 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 % $T_{OL} < -20 \, {}^{\circ}\text{C})$ T_{OL} < -20 °C) For water-to-air heat °C °C Bivalent temperature -10.0pumps: Operation limit T_{ol} temperature efficient heat pumps** 0.25 Power consumption in modes other than 'active mode' Supplementary heater Electric back-up Off mode POFF 0.000 kW elbu 0.000 kW heating capacity * P_{TO} Thermostat-off mode 0.083 kW Type of energy input 0.033 P_{SB} kW kW 0.071 Crankcase heater mode P_{CK} Standby mode Other items For air-to-air heat pumps: Nominal air 18900 m³/h Capacity control variable flow rate, outdoor measured For water-/brine-to-air Sound power level 88.0 dΒ indoor outdoor L_{WA} pumps: Rated m³/h measured brine or water flow Emissions of nitrogen rate, outdoor NO, mg/kWh exchanger oxides (if applicable) kg CO2 ep 675 GWP of the refrigerant (100 years) MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS Contact details 5-66, Tebira 6 Chome, Wakayama-City 640-8686, Japan ** If C_d is not determined by measurement then the default degradation coefficient of heat pumps shall be 0,25. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.

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

Model(s): Information t Outdoor: PURY-EM						nits, PEFY	-W50VI	MA2-A	\times 4 units
Outdoor heat exchanger						,			
Indoor heat exchanger of									
Type: compressor drive	n vapour	compress	ion						
if applicable: driver of o	compresso	or: electric	motor						
Item	Symbol	Value	Unit	Item	S	Symbol		Value	Unit
Rated cooling capacity	$P_{\text{rated},c}$	50.00	kW	Seasonal space energy efficien	cooling η	ls,c		268	%
Declared cooling capa outdoor temperatures T bulb)				Declared energ auxiliary ener temperatures T	rgy factor	-	0		-
$T_j = +35 ^{\circ}\text{C}$	Pdc	50.00	kW	$T_j = +35$ °C	E	EER_d		3.28	9/0
$T_j = +30 ^{\circ}\text{C}$	Pdc	36.84	kW	$T_j = +30$ °C	E	EER_d		5.53	%
$T_j = +25 ^{\circ}\text{C}$	Pdc	23.68	kW	$T_j = +25$ °C	F	EER_d		9.84	9/0
$T_j = +20 ^{\circ}C$	Pdc	17.28	kW	$T_j = +20 ^{\circ}C$	E	EER_d		8.54	9/0
Degradation co- efficient air conditioners**	· C _d	0.25	-						
Power consumption in 1	modes oth	er than 'a	ctive mode'						
Off mode	P_{OFF}	0.000	kW	Crankcase heat	ter mode	P_{CK}		0.033	kW
Thermostat-off mode	P_{TO}	0.087	kW	Standby mode		P_{SB}		0.071	kW
Other items									
Capacity control	variable			For air-to- conditioner: N flow rate, measured			16200	:	m³/h
Sound power level, outdoor	L_{WA}	83.0	dB						
if engine driven: Emissions of nitrogen oxides		-	mg/kWh fuel input GCV						
GWP of the refrigerant		675	kg CO _{2 ep} (100 years)						
Contact details	AIR-CO 5-66,Tel	NDITION oira 6 Cho	IING & REFI me,Wakayan	RPORATION RIGERATION S na-City 640-8686	5,Japan				
** If C _d is not determine	ed by mea	asurement	then the defa	ult degradation o	coefficient	air conditio	oners sh	all be 0	0.25.
Where information rela	ites to mi	ılti-split a	ir conditioner	rs, the test result	and perfo	rmance da	ta may	be obta	nined on the

⁽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-EM450YNW-A1 (-BS) Indoor: PEFY-W63VMA2-A×4 units, PEFY-W50VMA2-A×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. Symbol Value Value Unit Symbol Unit Item Item Seasonal space heating 37.00 kW 137 Rated heating capacity Prated,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_i outdoor temperatures Ti $T_i = -7 \, ^{\circ}C$ Pdh 32.73 kW $T_i = -7$ °C COP_d 2.23 $T_i = +2$ °C Pdh 19.92 kW $T_i = +2 \, {}^{\circ}C$ COP_d 2.88 0/0 $T_i = +7$ °C Pdh 12.81 $T_i = +7$ °C 6.10 kW COP_d % $T_i = +12 \,{}^{\circ}\text{C}$ Pdh 8.39 10.07 kW $T_i = +12 \, {}^{\circ}C$ % COP_d $T_i = bivalent$ $T_i = bivalent$ Pdh 37.00 kW COP_d 2.59 % temperature temperature 19.89 T_i = operation limit Pdh kW T_i = operation limit COP_d 2.58 0/0 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 % $T_{OL} < -20 \, {}^{\circ}\text{C})$ T_{OL} < -20 °C) For water-to-air heat °C °C 10.0 Bivalent temperature pumps: Operation limit T_{ol} temperature efficient heat pumps** 0.25 Power consumption in modes other than 'active mode' Supplementary heater Electric back-up Off mode POFF 0.000 kW elbu 0.000 kW heating capacity * P_{TO} 0.087 Thermostat-off mode kW Type of energy input Crankcase heater mode P_{CK} 0.033 kW kW P_{SB} 0.071 Standby mode Other items For air-to-air heat pumps: Nominal air 18900 m³/h Capacity control variable flow rate, outdoor measured For water-/brine-to-air Sound power level, 89.0 dΒ indoor outdoor L_{WA} heat pumps: Rated m³/h measured brine or water flow Emissions of nitrogen rate, outdoor heat NO, mg/kWh exchanger oxides (if applicable) kg CO2 ep 675 GWP of the refrigerant (100 years) MITSUBISHI ELECTRIC CORPORATION AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS Contact details 5-66, Tebira 6 Chome, Wakayama-City 640-8686, Japan ** If C_d is not determined by measurement then the default degradation coefficient of heat pumps shall be 0,25. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or

importer.

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

Model(s): Information t	o identify				he information relates:					
Outdoor : PUR'	-				ndoor: PEFY-W63VMA	2-A×8 unit	S			
Outdoor heat exchanger										
Indoor heat exchanger of										
Type: compressor drive										
if applicable: driver of o	compress	or: electric	motor							
Item	Symbol	Value	Unit			Symbol		Valu	e	Unit
Rated cooling capacity	$P_{\text{rated,c}}$	56.00	kW		Seasonal space cooling energy efficiency	ls,c		261		%
Declared cooling capa outdoor temperatures T bulb)					Declared energy efficien auxiliary energy factor temperatures T _j					
$T_j = +35 ^{\circ}\text{C}$	Pdc	56.00	kW		$T_j = +35 ^{\circ}\text{C}$	EER_d		3.10		%
$T_{i} = +30 {}^{\circ}\text{C}$	Pdc	41.26	kW		$T_{i} = +30 {}^{\circ}\text{C}$	EER_d		4.64		9/o
$T_i = +25 ^{\circ}\text{C}$	Pdc	26.53	kW		$T_i = +25 ^{\circ}\text{C}$	EER_d		8. 77		9/o
$T_j = +20 ^{\circ}C$	Pdc	19.31	kW		$T_j = +20 ^{\circ}\text{C}$	EER _d		11.8	1	9/0
Degradation co- efficient air conditioners**	C_d	0.25	-							
Power consumption in r	nodes otl	ner than 'ac	ctive mode'							
Off mode Thermostat-off mode	$\begin{array}{c} P_{OFF} \\ P_{TO} \end{array}$	0.000	kW kW		Crankcase heater mode Standby mode	$\begin{array}{c} P_{CK} \\ P_{SB} \end{array}$		0.034		kW kW
Other items			ı							
Capacity control	variable				For air-to-air ai conditioner: Nominal ai flow rate, outdoo measured	r _	17700		m³/	h
Sound power level, outdoor	L_{WA}	82.0	dB							
if engine driven: Emissions of nitrogen oxides		-	mg/kWh fuel input GCV							
GWP of the refrigerant		675	kg CO _{2 ep} (100 years)							
Contact details	AIR-CC 5-66,Te	NDITION bira 6 Cho	IING & REF me,Wakayar	R	PORATION LIGERATION SYSTEMS a-City 640-8686,Japan					
** If C _d is not determine	ed by me	asurement	then the def	aı	ılt degradation coefficient	air condition	oners sh	all be	0.25	
Where information rela	tes to m	ulti-split a	ir conditione	rs	s, the test result and perfe	rmance da	ta may	be obt	aine	d on the
hasis of the performance	e of the o	outdoor un	it with a co	m	bination of indoor unit(s)	recommen	ded by t	he ma	nufa	cturer o

importer.

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

${\bf PRODUCT~INFORMATION}^{(1)}$

Model(s): Information to	o identify				he information relates:					
Outdoor: PUR'	-				ndoor: PEFY-W63VMA	2-A×8 unit	S			
Outdoor heat exchanger				_			-			
Indoor heat exchanger of	of air cond	litioner: ai	r							
Indication if the heater i										
Parameters shall be dec	lared for	the averag	ge heating s	ea	son, parameters for the w	armer and	colder h	eating	sea	sons are
optional.										
Item	Symbol	Value	Unit	1	Item	Symbol		Valu	e	Unit
Rated heating capacity	P _{rated,h}	37.50	kW		Seasonal space heating	$\eta_{s,h}$		137	,	%
				l	energy efficiency Declared coefficient o	f perform	ance o	r gas	111	ilization
Declared heating capa				İ	efficiency / auxiliary en	•		_		
temperature 20 °C and o	outdoor te	mperature	T_j		outdoor temperatures T _i	iorgy ruck	n ioi p	urt 10t		at given
$T_i = -7 ^{\circ}C$	Pdh	33.17	kW		$T_i = -7 ^{\circ}C$	COP_d		2.30		%
$T_i = +2 ^{\circ}C$	Pdh	20.19	kW		$T_i = +2 ^{\circ}C$	COP_d		3.12	-	0/0
$T_i = +7 ^{\circ}C$	Pdh	12.98	kW	İ	$T_i = +7 ^{\circ}C$	COP_d		5.23	_	0/0
$T_i = +12 ^{\circ}\text{C}$	Pdh	7.84	kW		$T_i = +12 {}^{\circ}\text{C}$	COP_d		6.01		0/0
T_j = bivalent	Pdh			l	T_j = bivalent					
temperature	ruii	37.50	kW	l	temperature	COP_d		2.66		%
T_j = operation limit	Pdh	20.13	kW	l	T_j = operation limit	COP_d		3.88		0/o
For air-to-water heat				l	For water-to-air heat					
pumps: $T_j = -15$ °C (if	Pdh	-	kW		pumps: $T_j = -15$ °C (if	COP_d		-		0/o
T_{OL} < - 20 °C)					$T_{OL} < -20$ °C)					
	TD.	400			For water-to-air heat					. ~
Bivalent temperature	$T_{\rm biv}$	-10.0	°C		pumps: Operation limit	T_{ol}		-		°C
					temperature			-		
Degradation co-								-		
Degradation co- efficient heat pumps**	C_{dh}	0.25	-							
					G 1					
Power consumption in r	nodes oth	er than 'ac	tive mode'		Supplementary heater					
Off mode	P_{OFF}	0.000	kW		Electric back-up	elbu		0.000		kW
					heating capacity *	Clou		0.000		
Thermostat-off mode	P_{TO}	0.086	kW		Type of energy input					
Crankcase heater mode	P_{CK}	0.034	kW		Standby mode	P_{SB}		0.070		kW
Other items				l						-
Other richis				H	For air-to-air heat					
					pumps: Nominal air		1==00			
Capacity control	variable				flow rate, outdoor	-	17700	1	m³/ł	1
					measured					
Sound power level,					For water-/brine-to-air					
indoor / outdoor	L_{WA}	84.0	dB	l	heat pumps: Rated					
measured				L	brine or water flow	-	-	1	m³/ł	1
Emissions of nitrogen	NO,	-	mg/kWh	l	rate, outdoor heat					
oxides (if applicable)	^		<i>G</i> ···	L	exchanger					
GWP of the refrigerant		675	kg CO ₂ ep							
C of the ferrigerant		0,5	(100 years)	1						
	MITSUE	BISHI ELE	CTRIC CO	R	PORATION	-		<u> </u>		
Contact details					IGERATION SYSTEMS	WORKS				
					a-City 640-8686,Japan					
_					ılt degradation coefficient					
					s, the test result and perfo					
basis of the performanc	e of the o	utdoor uni	t, with a co	m	bination of indoor unit(s)	recommend	ied by th	ne man	ufa	cturer or

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