PRODUCT INFORMATION
PUHY-RP* * * YJM-B(-BS)
For Europe Regulation

		•			ch the information relates to:				
Outdoor: PUHY-RP20		` '		PE	FY-P50VMHS2-E×4 units				
Outdoor heat exchanger									
Indoor heat exchanger of									
Type: compressor drive									
if applicable: driver of o					Itam Crumbal			Value	Ilmit
Item	Symbol	value	Unit	1	ItemSymbolSeasonalspace			varue	Unit
Rated cooling capacity	$P_{\text{rated},c}$	22.40	kW		Seasonal space cooling energy efficiency s,c			251.0	%
Declared cooling capac outdoor temperatures (dry/wet bulb)					Declared energy efficiency r / auxiliary energy factor for temperatures T _i				
$T_j = +35 ^{\circ}\text{C}$	Pdc	22.40	kW		$T_j = +35 ^{\circ}\text{C}$ EER _d			3.94	0/0
$T_j = +30 ^{\circ}\text{C}$	Pdc	16.51			$T_i = +30 ^{\circ}\text{C}$ EER _d			5.39	%
$T_i = +25$ °C	Pdc	10.62	=		$T_i = +25 ^{\circ}\text{C}$ EER _d			8.53	0/o
$T_i = +20 ^{\circ}\text{C}$	Pdc	8.53	kW		$T_i = +20 ^{\circ}\text{C}$ EER _d			9.66	9/0
,					<i>j</i>				
Degradation co-									
	C_d	0.25	-						
conditioners**									
Power consumption in	modes	other th	nan 'active						
mode'			=						
Off mode	P_{OFF}	0.000			Crankcase heater mode Po			0.035	
Thermostat-off mode	P_{TO}	0.068	kW		Standby mode P _S	В		0.063	kW
Other items					T				
Capacity control	variable				For air-to-air air conditioner: Nominal air flow rate, outdoor measured		11100	m ³	³ /h
Sound power level, outdoor	L _{WA}	76.0	dB						
if engine driven:			mg/kWh						
Emissions of nitrogen	NO_x	-	fuel input						
oxides			GCV						
GWP of the refrigerant		2088	kg CO _{2 ep} (100 years)						
					ORPORATION				
Contact details					EFRIGERATION SYSTEMS	WORKS			
study TC CI					ama-City 640-8686,Japan			11.1	0.07
					efault degradation coefficient				
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									
		i the o	utdoor unit	,	with a combination of indoo	or unit(s) re	comm	enaea	by the
manufacture or importe	Ι.								

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

Model(s): Information to identify the model(s) to which the information relates to:											
Outdoor: PUHY-RP20	00YJM-1	B(-BS)	Indoor: F	PEFY-P50VMHS2-E×4	units						
Outdoor heat exchanger of heat pump: air											
Indoor heat exchanger of heat pump: air											
Indication if the heater											
	eclared f	for the	average hea	ting season, parameters	for the warmer	r and co	lder h	eating			
seasons are optional.	~ .										
Item	Symbo	l Value	Unit	Item	Symbol		Value	Unit			
Rated heating capacity	P _{rated,h}	25.00	kW	Seasonal space heating energy efficiency			159.0				
Declared heating capacitemperature 20 °C and				Declared coefficient efficiency / auxiliary outdoor temperatures	energy factor fo						
$T_i = -7$ °C	Pdh	22.00	kW	$T_j = -7 ^{\circ}C$	COP_d		2.64	%			
$T_j = +2 ^{\circ}C$	Pdh	13.45	kW	$T_i = +2 ^{\circ}C$	COP_d		3.50	%			
$T_j = +7$ °C	Pdh	8.65	kW	$T_j = +7 ^{\circ}\text{C}$	COP_d		6.46	%			
$T_{j} = +12 {}^{\circ}\text{C}$	Pdh	5.91	kW	$T_{j} = +12 {}^{\circ}\text{C}$	COP_d		9.37	%			
T_j = bivalent temperature	Pdh	19.23	kW	T_j = bivalent temperature	COP_{d}		2.94	%			
T_i = operation limit	Pdh	17.00	kW	$T_j = $ operation limit	COP_d		2.25	%			
For air-to-water heat				For water-to-air heat				1			
pumps: $T_j = -15$ °C (if $T_{OL} < -20$ °C)	Pdh	-	kW	pumps: $T_j = -15$ °C (if $T_{OL} < -20$ °C)	COP_d		-	9/0			
				For water-to-air heat				1			
Bivalent temperature	T_{biv}	-4.0	°C	pumps: Operation limit temperature	T_{ol}		-	°C			
Degradation co- efficient heat pumps** Power consumption in	C _{dh}	0.25 other t	- han 'active	Consideration leader							
mode'				Supplementary heater							
Off mode	P_{OFF}	0.063	kW	Electric back-up heating capacity *	elbu		0.000	kW			
Thermostat-off mode	P_{TO}	0.068	kW	Type of energy input							
Crankcase heater mode	P_{CK}	0.035	kW	Standby mode	P_{SB}		0.063	kW			
Other items		ı			l.						
Capacity control	variabl	e		For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	11100	m	1 ³ /h			
Sound power level, indoor / outdoor measured		76.0	dB	For water-/brine-to- air heat pumps: Rated brine or water	-	_	m	n³/h			
Emissions of nitrogen oxides (if applicable)	NO _x	-	mg/kWh	flow rate, outdoor heat exchanger							
GWP of the refrigerant		2088	kg CO _{2 ep} (100 years)								
Contact details	MITSUBISHI ELECTRIC CORPORATION										
** If C_d is not determined by measurement then the default degradation coefficient air conditioners shall be 0.25.											
Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the											
		of the o	utdoor unit,	with a combination of	indoor unit(s) r	recomme	nded b	y the			
manuracture or importe	T.	manufacture or importer.									

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		-			ch the information relates to:					
Outdoor: PUHY-RP25		, ,		PF	FY-P63VMHS2-E×4 units					
Outdoor heat exchanger										
Indoor heat exchanger of										
Type: compressor drive										
if applicable: driver of o					Itama Camahal			Value	T T., :4	
Item	Symbol	value	Unit	1	Item Symbol			Value	Unit	
Rated cooling capacity	$P_{\text{rated},c}$	28.00	kW		Seasonal space cooling energy efficiency s,c			233.0	%	
Declared cooling capac outdoor temperatures (dry/wet bulb)					Declared energy efficiency r / auxiliary energy factor f temperatures T _i					
$T_j = +35 ^{\circ}\text{C}$	Pdc	28.00	kW		$T_j = +35$ °C EER _d			3.67	0/0	
$T_j = +30 ^{\circ}\text{C}$	Pdc	20.65			$T_i = +30 ^{\circ}\text{C}$ EER _d			4.68	%	
$T_i = +25$ °C	Pdc	13.28	-1		$T_i = +25 ^{\circ}\text{C}$ EER _d			7.87	%	
$T_i = +20 ^{\circ}C$	Pdc	10.09	_		$T_i = +20 ^{\circ}\text{C}$ EER _d			8.98	9/0	
J					j					
Degradation co-										
_	C_d	0.25	-							
conditioners**										
Power consumption in	modes	other th	nan 'active							
mode'			_							
Off mode	P_{OFF}	0.000			Crankcase heater mode Po	CK		0.045	kW	
Thermostat-off mode	P_{TO}	0.068	kW		Standby mode Ps	SB		0.063	kW	
Other items	Г									
Capacity control	variable				For air-to-air air conditioner: Nominal air flow rate, outdoor measured		11100	m ³	³ /h	
Sound power level, outdoor	L _{WA}	77.0	dB							
if engine driven:			mg/kWh							
Emissions of nitrogen	NO_x	-	fuel input							
oxides			GCV	<u> </u>						
GWP of the refrigerant		2088	kg CO _{2 ep} (100 years)							
G 1					ORPORATION	HIODIC				
Contact details					EFRIGERATION SYSTEMS	S WORKS				
** ICC : 1					ama-City 640-8686,Japan	4		11 1	0.27	
	** If C _d is not determined by measurement then the default degradation coefficient air conditioners shall be 0.25.									
Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the										
		tne of	uaoor unit	,	viui a combination of indo	or unit(s) re	comm	enaea	by the	
manufacture or importe	1.									

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Model(s): Information to identify the model(s) to which the information relates to:										
Outdoor: PUHY-RP250YJM-B(-BS) Indoor: PEFY-P63VMHS2-E×4 units										
Outdoor heat exchanger of air conditioner: air										
Indoor heat exchanger										
Indication if the heater										
Parameters shall be de	eclared 1	for the	average heat	ing season, parameters	for the warmer	r and co	older h	eating		
seasons are optional.	C1	1 37-1	TT	T	C11		X 7 - 1	T T., 14		
Item	Symbo	l Value	Unit	Item Seasonal space	Symbol		vaiue	Unit		
Rated heating capacity	P _{rated,h}	31.50	kW	heating energy efficiency	s,h		149.0			
Declared heating capacitemperature 20 °C and				Declared coefficient efficiency / auxiliary outdoor temperatures	energy factor fo					
$T_i = -7 ^{\circ}C$	Pdh	23.01	kW	$T_j = -7$ °C	COPd		2.23	%		
$T_j = +2 ^{\circ}C$	Pdh	16.96		$T_j = +2 ^{\circ}C$	COP_d		3.21	9/0		
$T_j = +7$ °C	Pdh	10.91		$T_j = +7 ^{\circ}C$	COP_d		5.78	9/o		
$T_{j} = +12 {}^{\circ}\text{C}$	Pdh	5.87	kW	$T_i = +12 {}^{\circ}\text{C}$	COP_d		9.59	%		
$T_j = bivalent$ temperature	Pdh	25.71	kW	$T_j = bivalent$ temperature	COP_d		2.95	9/0		
T_i = operation limit	Pdh	15.35	kW	$T_i = \text{operation limit}$	COP_d		2.00	%		
For air-to-water heat				For water-to-air heat						
pumps: $T_j = -15$ °C (if $T_{OL} < -20$ °C)	Pdh	-	kW	pumps: $T_j = -15$ °C (if $T_{OL} < -20$ °C)			-	%		
				For water-to-air heat						
Bivalent temperature	$T_{\rm biv}$	-5.22	°C	pumps: Operation limit temperature	T_{ol}		-	°C		
Degradation co- efficient heat pumps** Power consumption in	C _{dh}	0.25	-							
mode'	inoucs	Other t	_ active	Supplementary heater				_		
Off mode	P_{OFF}	0.000	kW	Electric back-up heating capacity *	elbu		0.000	kW		
Thermostat-off mode	P_{TO}	0.089	kW	Type of energy input				•		
Crankcase heater mode	P_{CK}	0.045	kW	Standby mode	P_{SB}		0.063	kW		
Other items										
Capacity control	variabl	e		For air-to-air heat pumps: Nominal air flow rate, outdoor measured	_	11100	m	n³/h		
Sound power level, indoor / outdoor measured Emissions of nitrogen	-	77.0	dB	For water-/brine-to- air heat pumps: Rated brine or water flow rate, outdoor	-	-	m	1 ³ /h		
oxides (if applicable)	NO_x	-	mg/kWh	heat exchanger						
GWP of the refrigerant		2088	kg CO _{2 ep} (100 years)	now onemanger						
MITSUBISHI ELECTRIC CORPORATION Contact details AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS 5-66,Tebira 6 Chome,Wakayama-City 640-8686,Japan								0.27		
	** If C _d is not determined by measurement then the default degradation coefficient air conditioners shall be 0.25.									
Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the										
manufacture or importe		л ше 0	utaoor uiiil,	with a combination of	muoor unit(s) I	ecomme	mueu I	by the		
manaracture of importe	1.									

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

Model(s): Information t		•									
Outdoor: PUHY-RP30		, ,	Indoor: I	PEF	Y-P50VM	IHS2-E×	6 unit	S			
Outdoor heat exchanger											
Indoor heat exchanger of											
Type: compressor drive											
if applicable: driver of o							~ .				
Item	Symbol	Value	Unit		em		Syml	ool		Valu	e Unit
Rated cooling capacity	$P_{\text{rated,c}}$	33.50	kW	co	easonal poling fficiency	space energy				253.	0 %
Declared cooling capac outdoor temperatures (dry/wet bulb)				/		energy			gas utiliz t load at		
$T_j = +35$ °C	Pdc	33.50	kW	T	$_{\rm j} = +35$ °C	2	EER	i		3.73	%
$T_{j} = +30 {}^{\circ}\text{C}$	Pdc	26.02	kW	T	$_{\rm j} = +30$ °C	C	EER	i		5.14	%
$T_j = +25$ °C	Pdc	16.07	kW	T	$_{\rm j} = +25$ °C	С	EER	i		8.01	%
$T_j = +20$ °C	Pdc	12.77	kW	T	$_{\rm j} = +20^{\circ}$	С	EER.	i		11.1	2 %
Degradation coefficient air conditioners**	C_{d}	0.25	-								
Power consumption in mode'	modes	other th	nan 'active								
Off mode	P_{OFF}	0.000	kW	C	rankcase	heater m	ode	P_{CK}		0.04	5 kW
Thermostat-off mode	P_{TO}	0.069	kW	S	tandby m	ode		P_{SB}		0.06	3 kW
Other items											
Capacity control	variable	2		co fl	or air onditioner ow ran neasured		air nal air itdoor	-	1110	00 1	m³/h
Sound power level, outdoor	Lwa	79.0	dB								
if engine driven:			mg/kWh								
Emissions of nitrogen	NO_x	-	fuel input								
oxides			GCV								
GWP of the refrigerant		2088	kg CO _{2 ep} (100 years)								
			ELECTRIC				· · comp				
Contact details			ONING &						KKS		
** If C is not determine			home, Wak						m diti an a	ah a 11 1	0.025
** If C _d is not determin Where information rela											
the basis of the perfor											
are basis of the perior	mance C	ı uic o	ataooi uiiit	, wi	ui a com	omanon	OI III	aooi ullit	(3) ICCOIII	incinact	i by tile

manufacture 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 to:										
				PEFY-P50VMHS2-E×6	units					
Outdoor heat exchanger of air conditioner: air										
Indoor heat exchanger of air conditioner: air										
	Indication if the heater is equipped with a supplementary heater: no									
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating										
seasons are optional.										
Item	Symbo	l Value	Unit	Item	Symbol		Value	Unit		
Rated heating capacity	$P_{\text{rated},h}$	37.50	kW	Seasonal space heating energy efficiency			152.6			
Declared heating capacitemperature 20 °C and				Declared coefficient efficiency / auxiliary outdoor temperatures	energy factor fo					
$T_i = -7 ^{\circ}C$	Pdh	30.75	kW	$T_j = -7$ °C	COP _d		2.38	%		
$T_j = +2 ^{\circ}C$	Pdh	20.19		$T_i = +2 ^{\circ}C$	COP_d		3.55	%		
$T_i = +7$ °C	Pdh	12.98		$T_i = +7$ °C	COP_d		5.45	%		
$T_i = +12 ^{\circ}\text{C}$	Pdh	7.81	kW	$T_i = +12 ^{\circ}\text{C}$	COP_d		9.37	%		
$T_i = bivalent$				$T_i = bivalent$						
temperature	Pdh	30.29	kW	temperature	COP_d		2.78	0/0		
$T_i = $ operation limit	Pdh	20.40	kW	$T_j = $ operation limit	COP_d		2.19	%		
For air-to-water heat				For water-to-air heat				1		
pumps: $T_j = -15$ °C (if $T_{OL} < -20$ °C)	Pdh	-	kW	pumps: $T_j = -15$ °C (if $T_{OL} < -20$ °C)			-	%		
				For water-to-air heat						
Bivalent temperature	T_{biv}	-5.0	°C	pumps: Operation limit temperature	$T_{ m ol}$		-	°C		
Degradation co- efficient heat pumps**	C_{dh}	0.25	-					_		
Power consumption in mode'	modes	other t	han 'active	Supplementary heater				_		
Off mode	P_{OFF}	0.063		Electric back-up heating capacity *	elbu		0.000	kW		
Thermostat-off mode	P_{TO}	0.069	kW	Type of energy input						
Crankcase heater mode	P _{CK}	0.045	kW	Standby mode	P_{SB}		0.063	kW		
Other items										
Capacity control	variabl	e		For air-to-air heat pumps: Nominal air flow rate, outdoor measured	-	11100	m	1 ³ /h		
Sound power level,				For water-/brine-to-						
indoor / outdoor	L_{WA}	79.0	dB	air heat pumps:						
measured				Rated brine or water	-	-	m	³ /h		
Emissions of nitrogen	NO _x	_	mg/kWh	flow rate, outdoor						
oxides (if applicable)	1101		Ü	heat exchanger						
GWP of the refrigerant		2088	kg CO _{2 ep} (100 years)							
Contact details	MITSUBISHI ELECTRIC CORPORATION									
				ayama-City 640-8686,Ja						
** If C _d is not determined by measurement then the default degradation coefficient air conditioners shall be 0.25.										
Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the										
		of the o	utdoor unit,	with a combination of	indoor unit(s) r	ecomme	ended b	y the		
manufacture or importe	manufacture or importer.									

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Model(s): Information t	to identif	fy the mo	ndel(s) to w	hich the information	n relates to:			
Outdoor: PUHY-RP35		•		PEFY-P63VMHS2-I		SOVMHS2-I	∃×2 11	nite
Outdoor heat exchanger				LI 1-1 03 V WII 132-1	LA- units, I LI I-I S	70 V IVII 152-1	u	into
Indoor heat exchanger								
Type: compressor drive								
if applicable: driver of o								
Item		l Value		Item	Symbol	7	/alue	Unit
20011	z jiiio o			Seasonal space	•			
Rated cooling capacity	$P_{\text{rated},c}$	40.00	kW	cooling energy		2	42.6	%
Declared cooling capa outdoor temperatures (dry/wet bulb)	T _j and	indoor	27°/19°C	/ auxiliary energentemperatures T _j	efficiency ratio or g gy factor for part	load at giv	en o	utdoor
$T_j = +35$ °C	Pdc	40.00		$T_j = +35$ °C	EER_d		.39	%
$T_{j} = +30 {}^{\circ}\text{C}$	Pdc	29.49		$T_{j} = +30 {}^{\circ}\text{C}$	EER_d		.69	%
$T_j = +25$ °C	Pdc	18.97	-	$T_j = +25$ °C	EER_d		.97	%
$T_j = +20$ °C	Pdc	12.36	kW	$T_j = +20$ °C	EER_d	9	.67	%
conditioners**	C_{d}	0.25	-					
Power consumption in	modes	other th	nan 'active					
mode'			٦.					
Off mode	P_{OFF}	0.000		Crankcase heater			.045	
Thermostat-off mode	P_{TO}	0.069	kW	Standby mode	P_{SB}	0	.063	kW
Other items				D				
Capacity control	variable	variable		For air-to-air conditioner: Non flow rate, measured		11100	m ³	³/h
Sound power level, outdoor	LwA	80.0	dB					
if engine driven: Emissions of nitrogen oxides	NO _x	-	mg/kWh fuel input GCV					
GWP of the refrigerant		2088	kg CO _{2 ep} (100 years)					
Contact details	AIR-C0 5-66,Te	ONDITI ebira 6 C	ELECTRIC ONING & home,Wak	CORPORATION REFRIGERATION ayama-City 640-868	86,Japan			
** If C _d is not determin								
Where information rela	ites to m	ulti-split	air conditi	oners, the test result	and performance d	ata may be	obtaiı	ned on
the basis of the perfor	mance (of the or	utdoor unit	with a combination	on of indoor unit(s) recommer	ded	hy the

manufacture 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 to: $Outdoor: PUHY-RP350YJM-B(-BS) \quad Indoor: PEFY-P63VMHS2-E\times 4 \ units, PEFY-P50VMHS2-E\times 2 \ units$ 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 Unit Symbol Value Unit Item Item Seasonal space % Rated heating capacity Prated,h 40.00 kW heating energy 135.0 s,h 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 T_i $T_i = -7$ °C **33.56** kW $T_i = -7$ °C Pdh COP_d 2.23 % $T_i = +2 \, {}^{\circ}C$ $T_i = +2$ °C Pdh 24.23 kW COP_d 2.87 % $T_j = +7$ °C Pdh $T_i = +7$ °C 15.56 kW COP_d 5.17 % $T_i = +12$ °C Pdh 7.86 $T_i = +12 \,{}^{\circ}C$ % kW COP_d 7.84 $T_i = bivalent$ $T_i = bivalent$ Pdh COP_d 0/0 32.31 kW 2.98 temperature temperature 26.01 kW 2.27 % T_i = operation limit Pdh T_i = operation limit COP_d For air-to-water heat For water-to-air heat pumps: $T_j = -15$ °C (if Pdh kW pumps: $T_j = -15$ °C COP_d % $T_{OL} < -20$ °C) $(if T_{OL} < -20 \, ^{\circ}C)$ For water-to-air heat Bivalent temperature °C pumps: Operation Tol °C -5.0 limit temperature Degradation efficient heat pumps** C_{dh} 0.25 Power consumption in modes other than 'active Supplementary heater mode' Electric back-up Off mode elbu 0.055 kW 0.000 kW Poff heating capacity * 0.060 kW Thermostat-off mode P_{TO} Type of energy input Crankcase heater P_{CK} 0.045 kW Standby mode 0.063 kW P_{SB} mode 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-toindoor outdoor LwA dB 80.0 air heat pumps: Rated brine or water m³/h measured Emissions of nitrogen flow rate, outdoor NO_x mg/kWh oxides (if applicable) heat exchanger kg CO_{2 ep} GWP of the refrigerant 2088 (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 air conditioners shall be 0.25. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacture or importer.

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