PRODUCT INFORMATION PURY-EP* * * YLM-A1(-BS) For Europe Regulation

Model(s): Information t	o identify	y the mo	del(s) to whi	ich the information r	elates :			
Outdoor : PURY-EP20)YLM-A	1(-BS)	Indoor	: PEFY-P50VMHS2	-E×4units			
Outdoor heat exchanger	of air co	ndition	er: air					
Indoor heat exchanger of	of air con	ditioner	: air					
Type: compressor drive	n vapour	compre	ssion					
if applicable: driver of o								
Item	Symbol			Item	Symbol		Value	Unit
				Seasonal space	2			
Rated cooling capacity	P _{rated,c}	22.40	kW	cooling energy efficiency	$\eta_{s,c}$	2	288.2	%
Declared cooling capa outdoor temperatures (dry/wet bulb)					efficiency ratio ary energy factor fo rres T _i			
$T_1 = +35 \ ^{\circ}C$	Pdc	22.40	kW	$T_i = +35 \ ^{\circ}C$	EER _d	-	4.08	<u>%</u>
$T_{i} = +30 ^{\circ}C$	Pdc	16.51		$T_{j} = +30 \ ^{\circ}C$	EER _d		6.79	<u>%</u>
$T_{i} = +25 ^{\circ}C$	Pdc	10.61		$T_{i} = +25 \ ^{\circ}C$	EER _d		10.44	
$T_{i} = +20 ^{\circ}C$	Pdc		kW	$T_i = +20 \ ^{\circ}C$	EER _d		11.53	
J				,	ŭ			
Degradation co- efficient air	C	0.25						
efficient air conditioners**	C_d	0.25	-					
Power consumption in	modes	other	hon 'activa					
mode'	modes	other	nan active					
Off mode	POFF	0.000	kW	Crankcase h mode	eater P _{CK}	(0.044	kW
Thermostat-off mode	\mathbf{P}_{TO}	0.089	kW	Standby mode	\mathbf{P}_{SB}		0.084	kW
Other items	[•		
Capacity control	variable			For air-to-air conditioner: Non air flow rate, ou measured		11100	m ^a	9/h
Sound power level, outdoor	L _{WA}	32.5	dB					
if engine driven: Emissions of nitrogen oxides	NO _x -		mg/kWh fuel input GCV					
GWP of the refrigerant	2		kg CO _{2 eq} (100 years)					
Contact details	AIR-CC	BISHI E NDITI(ELECTRIC C ONING & RI	CORPORATION EFRIGERATION S ^v ama-City 640-8686,		·		
** If C _d is not determin Where information rela the basis of the perfor	ed by me tes to mu	asureme lti-split	ent then the d air condition	efault degradation contents, the test result and	pefficient air conditi nd performance data	ı may be	obtair	ned or
manufacturer or import			,					-

Information to identify the					
Outdoor : PURY-EP200				: PEFY-P50VMHS2-E×4units	
Outdoor heat exchanger			ir		
Indoor heat exchanger of					
Indication if the heater is					
	ared for	the aver	age heating	season, parameters for the warmer and colder heating se	easons
are optional.					
Item	Symbo	l Value	Unit	Item Symbol Value	Unit
Rated heating capacity	$P_{\text{rated},h}$	25.00	kW	$ \begin{array}{ccc} Seasonal & space \\ heating & energy \ \eta_{s,h} \\ efficiency \end{array} \qquad $	%
Declared heating capacitemperature 20 °C and o				Declared coefficient of performance or gas utili efficiency / auxiliary energy factor for part load at outdoor temperatures T _i	
$T_i = -7 \ ^{\circ}C$	Pdh	22.00	kW	$T_{i} = -7 ^{\circ}C$ COP_{d} 2.51	<u>%</u>
$T_i = +2 ^{\circ}C$	Pdh	13.46	kW	$T_j = +2 ^{\circ}C$ COP _d 3.72	<u>%</u>
$T_i = +7 ^{\circ}C$	Pdh	8.65	kW	$T_{i} = +7 ^{\circ}C$ COP _d 6.31	<u>%</u>
$T_{j} = +12 ^{\circ}C$	Pdh	5.40	kW	$T_{i} = +12 ^{\circ}C$ COP _d 6.41	%
$\vec{J_j} = bivalent$ temperature	Pdh	21.15		$T_j = bivalent$ temperature COP_d 2.32	<u>⁰⁄₀</u>
$T_i = operation limit$	Pdh	14.90	kW	$T_i = operation limit COP_d$ 1.46	<u>%</u>
For air-to-water heat	1 011	14.20		For water-to-air heat	/0
pumps: $T_j = -15$ °C (if $T_{OL} < -20$ °C)	Pdh	-	kW	pumps: $T_j = -15 \text{ °C } \text{COP}_d$ (if $T_{OL} < -20 \text{ °C}$)	<u>%</u>
Bivalent temperature	T_{biv}	-6.0	°C	For water-to-air heat pumps: Operation T_{ol} -	°C
Degradation co-	C	0.25	-	limit temperature	
efficient heat pumps** Power consumption in	C _{dh}				
mode'			1	Supplementary heater Electric back-up allow	
Off mode	P _{OFF}	0.000		heating capacity * elbu 0.000	kW
Thermostat-off mode	P _{TO}	0.089		Type of energy input	1 337
Crankcase heater mode	P _{CK}	0.044	kW	Standby modePSB0.084	кW
Other items Capacity control	variabl	e		For air-to-air heat pumps: Nominal air flow rate, outdoor - 11100 m ³ measured	9/h
Sound power level, indoor / outdoor measured		82.5	dB	For water-/brine-to- air heat pumps: Rated brine or water m ³	9/h
Emissions of nitrogen oxides (if applicable)	NO _x	-	mg/kWh	flow rate, outdoor heat exchanger	
GWP of the refrigerant		2088	kg CO _{2 eq} (100 years)		
Contact details	AIR-C 5-66,T	ONDITI ebira 6 (ONING & I Chome,Waka	CORPORATION REFRIGERATION SYSTEMS WORKS ayama-City 640-8686,Japan	
Where information relat	es to m ce of t	ulti-split	heat pumps	default degradation coefficient of heat pumps shall be 0,2 s, the test result and performance data may be obtained with a combination of indoor unit(s) recommended b	on th

Model(s): Information t	o identify	y the mo	del(s) to whi	ch the information r	elates :			
Outdoor : PURY-EP250)YLM-A	1(-BS)	Indoor	: PEFY-P63VMHS2	-E×4units			
Outdoor heat exchanger	of air co	onditione	er: air					
Indoor heat exchanger of	of air con	ditioner	: air					
Type: compressor drive								
if applicable: driver of c	compress	or: elect	ric motor					
Item	Symbol	Value	Unit	Item	Symbol		Value	Unit
Rated cooling capacity	P _{rated,c}	28.00	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$		300.6	%
Declared cooling capa outdoor temperatures (dry/wet bulb)					efficiency ratio ary energy factor four res T _j			
$T_{j} = +35 \ ^{\circ}C$	Pdc	28.00	kW	$T_j = +35 \ ^{\circ}C$	EER _d	E.	3.86	%
$T_{j} = +30 \ ^{\circ}C$	Pdc	20.63	kW	$T_{j} = +30 \ ^{\circ}C$	EER _d		6.98	%
$T_{j} = +25 \ ^{\circ}C$	Pdc	13.26	kW	$T_{j} = +25 \ ^{\circ}C$	EER _d	Γ	10.73	%
$T_j = +20 \ ^{\circ}C$	Pdc	10.00	kW	$T_j = + 20 \ ^{\circ}C$	EER _d	F	11.85	%
Degradation co- efficient air conditioners**	C_d	0.25	-			-		
Power consumption ir mode'	n modes	other 1	han 'active					
Off mode	P_{OFF}	0.000	kW	Crankcase h mode	PCK		0.044	kW
Thermostat-off mode	P_{TO}	0.089	kW	Standby mode	\mathbf{P}_{SB}		0.084	kW
Other items						_		
Capacity control	variable			For air-to-air conditioner: Nor air flow rate, ou measured		11100	m ^a	³⁄h
Sound power level, outdoor	L _{WA}	33.5	dB					
if engine driven: Emissions of nitrogen oxides	NO _x		mg/kWh fuel input GCV					
GWP of the refrigerant	2		kg CO _{2 eq} (100 years)					
Contact details	AIR-CC	BISHI E NDITI(ELECTRIC C ONING & RI	CORPORATION EFRIGERATION S ^v ama-City 640-8686,				
** If C _d is not determin Where information rela the basis of the perfor manufacturer or importe	ed by me tes to mu mance of	asureme lti-split	ent then the d air condition	efault degradation concerns, the test result a	pefficient air conditi nd performance data	ı may be	obtair	ned on

Information to identify the		. ,						
Outdoor : PURY-EP250				: PEFY-P63VMHS2-	$E \times 4units$			
Outdoor heat exchanger								
Indoor heat exchanger of				. 1 .				
Indication if the heater is					.1 1	11 1		
Parameters shall be decla	ared for	the aver	age heating	season, parameters fo	or the warmer and	colder he	eating s	eason
are optional.	<u> </u>	1 77 1	TT •	T .	a 1 1		** 1	
Item	Symbo	l Value	Unit	Item	Symbol		Value	Unit
Rated heating capacity	P _{rated,h}	31.50	kW	efficiency	gy $\eta_{s,h}$		153.4	
Declared heating capacitemperature 20 °C and o				Declared coefficie efficiency / auxilia outdoor temperature	ry energy factor			
$T_j = -7 \ ^{\circ}C$	Pdh	22.20	kW	$T_{j} = -7 \ ^{\circ}C$	COP _d		2.44	<u>⁰∕₀</u>
$T_j = +2 °C$	Pdh	13.46	kW	$T_j = +2 \ ^{\circ}C$	COP _d		3.62	<u>⁰∕₀</u>
$T_j = +7 \ ^{\circ}C$	Pdh	8.65	kW	$T_{j} = +7 \ ^{o}C$	COP _d		6.14	%
$T_{i} = +12 ^{\circ}C$	Pdh	5.40	kW	$T_i = +12 ^{\circ}C$	COP _d		6.55	%
$T_j = bivalent$ temperature	Pdh	25.25	kW	$T_j = bivalent$ temperature	COP _d		2.72	%
$T_i = operation limit$	Pdh	14.90	kW	$T_i = operation limit$	COP _d		1.71	%
For air-to-water heat	1 011	11.20		For water-to-air he			1.71	/0
pumps: $T_j = -15$ °C (if	Pdh	-	kW	pumps: $T_j = -15$			-	<u>%</u>
$T_{OL} < -20 ^{\circ}\text{C}$	1 un	-	K VV	$(if T_{OL} < -20 \text{ °C})$			-	70
10L < 20 C)				For water-to-air he	at			-
Bivalent temperature	$T_{biv} \\$	-4.8	°C	pumps: Operational limit temperature			-	°C
Degradation co- efficient heat pumps**	C_{dh}	0.25	-					-
Power consumption in mode'	modes	other t	han 'active	Supplementary heat	ter			-
Off mode	POFF	0.000	kW	Electric back- heating capacity *	^{up} elbu		0.000	kW
Thermostat-off mode	P _{TO}	0.089	kW	Type of energy input	ut			
Crankcase heater mode	P _{CK}	0.044	kW	Standby mode	P _{SB}		0.084	kW
Other items			•					
Capacity control	variabl	e		For air-to-air he pumps: Nominal a flow rate, outdo measured	air	11100	m	³/h
Sound power level,	[[For water-/brine-t	0-			
indoor / outdoor	Lwa	83.5	dB	air heat pump		1		
measured	2- w A			Rated brine or wat		-	m	³/h
Emissions of nitrogen	ł			flow rate, outdo				, 11
oxides (if applicable)	NO _x		mg/kWh	heat exchanger	01			
GWP of the refrigerant		2000	kg CO _{2 eq} (100 years)					
Contact details	AIR-C	ONDITI	ONING & I	CORPORATION REFRIGERATION S		S		
** 100				yama-City 640-8686			11.1 0	25
** If C_d is not determine								
Where information relates basis of the performan	ce of t							
manufacturer or importer	r.							

Model(s): Information t	o identify	y the mo	del(s) to whi	ch the information r	elates :			
Outdoor : PURY-EP300	-			PEFY-P50VMHS2				
Outdoor heat exchanger			er: air					
Indoor heat exchanger of								
Type: compressor drive								
if applicable: driver of c								
Item	Symbol			Item	Symbol		Value	Unit
	~)			Seasonal space				
Rated cooling capacity	P _{rated,c}	33.50	kW	cooling energy efficiency	$\eta_{s,c}$		274.6	%
Declared cooling capa outdoor temperatures (dry/wet bulb)					efficiency ratio ary energy factor four four four four four four four fo			
$T_i = +35 \ ^{\circ}C$	Pdc	33.50	kW	$T_{i} = +35 \ ^{\circ}C$	EER _d		3.64	<u>%</u>
$T_{j} = +30 ^{\circ}C$	Pdc	24.70	kW	$T_{j} = +30 \ ^{\circ}C$	EER _d	:	5.26	<u>%</u>
$T_{i} = +25 ^{\circ}C$	Pdc	15.88	kW	$T_{i} = +25 \ ^{\circ}C$	EER _d	:	8.94	<u>%</u>
$T_j = +20 \ ^{\circ}C$	Pdc	11.97		$T_{j} = +20 \ ^{\circ}C$	EER _d		14.38	
Degradation co- efficient air conditioners**	C _d	0.25	-					
Power consumption ir mode'			1	Crankcase h	neater P _{CK}			1
Off mode	POFF	0.000	kW	mode	P _{CK}		0.043	kW
Thermostat-off mode	\mathbf{P}_{TO}	0.090	kW	Standby mode	\mathbf{P}_{SB}		0.084	kW
Other items			l					
Capacity control	variable			For air-to-air conditioner: Nor air flow rate, ou measured		13800	m ^a	³⁄h
Sound power level, outdoor	L _{WA}	86.0	dB					
if engine driven: Emissions of nitrogen oxides	NO _x		mg/kWh fuel input GCV					
GWP of the refrigerant	2		kg CO _{2 eq} (100 years)					
Contact details	AIR-CC	BISHI E NDITI(ELECTRIC C ONING & RI	ORPORATION EFRIGERATION S ^v ama-City 640-8686,				
** If C _d is not determin Where information rela the basis of the perfor manufacturer or importe	ed by me tes to mu mance o	asureme Ilti-split	ent then the d air condition	efault degradation concerns, the test result a	pefficient air conditi nd performance data	a may be	obtair	ned of

Outdoor : PURY-EP300 Outdoor heat exchanger				: PEFY-P50VMHS2-E				
Indoor heat exchanger of								
Indication if the heater is				tary heater: no				
Parameters shall be decla					the warmer and c	older he	eating s	easor
are optional.		uie uvei	uge neuting	season, parameters for t			ating 5	cusor
Item	Symbo	l Value	Unit	Item	Symbol		Value	Uni
item	Symoo			Seasonal space			varue	OIII
Rated heating capacity	P _{rated,h}	37.50	kW	heating energy efficiency			151.0	%
Declared heating capaci temperature 20 °C and or				Declared coefficient efficiency / auxiliary outdoor temperatures	energy factor for			
$T_i = -7 \ ^{\circ}C$	Pdh	27.52	kW	$T_{j} = -7 \ ^{\circ}C$	COP _d		1.98	%
$T_i = +2 ^{\circ}C$	Pdh	20.24	kW	$T_i = +2 °C$	COP _d		3.53	%
$T_i = +7 ^{\circ}C$	Pdh	13.02	kW	$T_i = +7 °C$	COP _d		5.47	<u>%</u>
$T_i = +12 ^{\circ}C$	Pdh	7.29		$T_i = +12 ^{\circ}C$	COP _d		7.69	%
$T_j = bivalent$ temperature	Pdh	31.45		$T_j = bivalent$ temperature	COP _d		2.85	%
$T_j = operation limit$ For air-to-water heat	Pdh	11.93	kW	$T_j = operation limit$ For water-to-air heat	COP _d		1.94	%
pumps: $T_j = -15$ °C (if $T_{OL} < -20$ °C)	Pdh	-	kW	pumps: $T_j = -15$ °C (if $T_{OL} < -20$ °C)			-	<u>%</u>
Bivalent temperature	T_{biv}	-5.8	°C	For water-to-air heat pumps: Operation limit temperature			-	°C
Degradation co- efficient heat pumps**	C_{dh}	0.25	-					
Power consumption in mode'	modes	other the	han 'active	Supplementary heater				_
Off mode	POFF	0.000	kW	Electric back-up heating capacity *	elbu		0.000	kW
Thermostat-off mode	P _{TO}	0.090	kW	Type of energy input				
Crankcase heater mode	P _{CK}	0.043	kW	Standby mode	P _{SB}		0.084	kW
Other items			•					
Capacity control	variabl	e		For air-to-air heat pumps: Nominal air flow rate, outdoor measured	_	13800	m	³/h
Sound power level, indoor / outdoor measured		86.0	dB	For water-/brine-to- air heat pumps: Rated brine or water	-	-	m	³/h
Emissions of nitrogen oxides (if applicable)	NO _x	-	mg/kWh	flow rate, outdoor heat exchanger				
GWP of the refrigerant		2088	kg CO _{2 eq} (100 years)					
Contact details	AIR-C 5-66,T	ONDITI ebira 6 C	ONING & I Chome,Waka	CORPORATION REFRIGERATION SYS ayama-City 640-8686,Ja	pan			
** If C _d is not determine Where information relate basis of the performan manufacturer or importer	es to mu ce of t	ılti-split	heat pumps	, the test result and perl	formance data ma	ay be ob	tained	on th

Model(s): Information t			• •				
Outdoor : PURY-EP350				FY-P63VMHS2-E>	<4units, PEFY-P50	VMHS2-E×	2units
Outdoor heat exchanger							
Indoor heat exchanger of							
Type: compressor drive if applicable: driver of d							
Item	Symbol			Item	Symbol	Valu	e Unit
Item	Symbol	value	Oint	Seasonal space	Symbol	v ait	
Rated cooling capacity	P _{rated,c}	40.00	kW	cooling energy efficiency	$\eta_{s,c}$	259.	4 %
Declared cooling capa outdoor temperatures (dry/wet bulb)		indoo	r 27°/19°C	efficiency / auxil outdoor temperate	5		at given
$T_j = +35 \ ^{\circ}C$	Pdc	40.00		$T_j = +35 \ ^{\circ}C$	EER _d	3.18	
$T_j = +30 \ ^{\circ}C$	Pdc	29.48		$T_j = + 30 \ ^{\circ}C$	EER _d	4.89	
$T_j = + 25 \ ^{\circ}C$	Pdc	18.97		$T_j = +\ 25 \ ^{o}C$	EER _d	8.74	
$T_j = + 20 \ ^{o}C$	Pdc	13.82	kW	$T_j = + \ 20 \ ^{o}C$	EER _d	12.3	4 %
Degradation co- efficient air conditioners**	C _d	0.25	-				
Power consumption in mode'	n modes	other	than 'active				
Off mode	P _{OFF}	0.000	kW	Crankcase l mode	PCK	0.05	1 kW
Thermostat-off mode	P _{TO}	0.081	kW	Standby mode	P_{SB}	0.07	6 kW
Other items							
Capacity control	variable			For air-to-air conditioner: No air flow rate, ou measured	-	13800	m³/h
Sound power level, outdoor	L _{WA}	86.0	dB				
if engine driven: Emissions of nitrogen oxides	NO _x		mg/kWh fuel input GCV				
GWP of the refrigerant		2088	kg CO _{2 eq} (100 years)				
Contact details	AIR-CC	ONDITI	ONING & RI	ORPORATION EFRIGERATION S ama-City 640-8686			
** If C _d is not determin Where information rela the basis of the perfor manufacturer or importe	ed by me tes to mu mance o	asureme Ilti-split	ent then the d air condition	efault degradation c ers, the test result a	oefficient air conditi nd performance data	n may be obta	ained or

Information to identify the	ne mode	el(s) to w	hich the inf	formation relates :	
				$EFY-P63VMHS2-E \times 4units$, $PEFY-P50VMHS2-E \times 2u$	units
Outdoor heat exchanger					
Indoor heat exchanger of					
Indication if the heater is					
	ared for	the aver	age heating	season, parameters for the warmer and colder heating s	easons
are optional.					
Item	Symbo	l Value	Unit	Item Symbol Value	Unit
Rated heating capacity	P _{rated,h}	45.00	kW	$ \begin{array}{c c} Seasonal & space \\ heating & energy \eta_{s,h} \\ efficiency \end{array} $	%
Declared heating capaci temperature 20 °C and or				Declared coefficient of performance or gas util efficiency / auxiliary energy factor for part load at outdoor temperatures T _i	
$T_i = -7 \ ^{\circ}C$	Pdh	32.24	kW	$T_{i} = -7 ^{\circ}C$ COP_{d} 2.05	<u>%</u>
$T_i = +2 °C$	Pdh	24.24		$T_{j} = +2 °C$ COP_{d} 2.90	%
$T_i = +7 °C$	Pdh	15.59		$T_{i} = +7 ^{\circ}\text{C}$ COP _d 5.41	%
$T_{i} = +12 \ ^{\circ}C$	Pdh	8.34		$T_i = +12 ^{\circ}{\rm C}$ COP _d 8.18	<u>%</u>
$T_j = bivalent$ temperature	Pdh	35.96		$T_{j} = bivalent temperature COP_{d} $ 3.12	%
$T_i = operation limit$	Pdh	23.10	ĿW	$T_i = operation limit COP_d$ 2.24	<u>%</u>
For air-to-water heat	i un	23.10	K VV	For water-to-air heat	70
pumps: $T_j = -15$ °C (if $T_{OL} < -20$ °C)	Pdh	-	kW	pumps: $T_j = -15$ °C COP _d (if $T_{OL} < -20$ °C)	<u>%</u>
Bivalent temperature	T_{biv}	-4.8	°C	For water-to-air heat pumps: Operation T_{ol} - limit temperature	°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}	0.000		Electric back-up heating capacity * elbu	kW
	P _{TO}	0.081	kW	Type of energy input	
Crankcase heater mode	P _{CK}	0.051	kW	Standby mode P_{SB} 0.076	kW
Other items					
Capacity control	variabl	e		For air-to-air heat pumps: Nominal air flow rate, outdoor - 13800 m measured	³/h
Sound power level, indoor / outdoor measured	L _{WA}	86.0	dB	For water-/brine-to- air heat pumps:	³/h
Emissions of nitrogen oxides (if applicable)	NO _x	-	mg/kWh	flow rate, outdoor heat exchanger	
GWP of the refrigerant	-	2088	kg CO _{2 eq} (100 years)		
Contact details	AIR-C 5-66,T	ONDITI ebira 6 O	ONING & D Chome,Waka	CORPORATION REFRIGERATION SYSTEMS WORKS ayama-City 640-8686,Japan	
Where information relate	es to m ce of t	ulti-split	heat pumps	default degradation coefficient of heat pumps shall be 0, s, the test result and performance data may be obtained with a combination of indoor unit(s) recommended	on the

Model(s): Information t							
Outdoor : PURY-EP400				FY-P71VMHS2-E>	< 5units, PEFY-P50	VMHS2-E>	<1unit
Outdoor heat exchanger							
Indoor heat exchanger of							
Type: compressor drive							
if applicable: driver of c				T.	0 1 1	17.1	TT '
Item	Symbol	Value	Unit	Item	Symbol	Vali	ie Unit
Rated cooling capacity	P _{rated,c}	45.00	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	267.	8 %
Declared cooling capa outdoor temperatures (dry/wet bulb)	T_j and	indoo	r 27°/19°C	efficiency / auxili outdoor temperatu	5	or part load	at given
$T_j = +35 \ ^{\circ}C$	Pdc	45.00		$T_j = +35 \ ^{\circ}C$	EER _d	3.58	
$T_{j} = + 30 \ ^{\circ}C$	Pdc	33.18		$T_j = + 30 \ ^{\circ}C$	EER _d	5.17	
$T_j = + 25 \ ^{\circ}C$	Pdc	21.33		$T_j = +\ 25 \ ^oC$	EER _d	7.79	
$T_j = + 20 \ ^{\circ}C$	Pdc	15.47	kW	$T_j = + \ 20 \ ^{o}C$	EER _d	14.9	2 %
Degradation co- efficient air conditioners**	C _d	0.25	-				_
Power consumption in mode'	n modes	other	than 'active				
Off mode	P _{OFF}	0.000	kW	Crankcase h mode	PCK	0.05	4 kW
Thermostat-off mode	\mathbf{P}_{TO}	0.078	kW	Standby mode	\mathbf{P}_{SB}	0.07	3 kW
Other items			I				
Capacity control	variable			For air-to-air conditioner: No air flow rate, ou measured	-	19200	m³/h
Sound power level, outdoor	L _{WA}	86.0	dB				
if engine driven: Emissions of nitrogen oxides	NO _x		mg/kWh fuel input GCV				
GWP of the refrigerant		2088	kg CO _{2 eq} (100 years)				
Contact details	AIR-CC	ONDITI	ONING & RI	ORPORATION EFRIGERATION S ama-City 640-8686			
** If C _d is not determin Where information rela the basis of the perfor manufacturer or importe	ed by me tes to mu mance o	asureme Ilti-split	ent then the d air condition	efault degradation control ers, the test result as	oefficient air conditi nd performance data	may be obt	ained or

Information to identify the					
				$EFY-P71VMHS2-E \times 5units$, $PEFY-P50VMHS2-E \times 10^{-1}$	unit
Outdoor heat exchanger					
Indoor heat exchanger of					
Indication if the heater is					
	ared for	the aver	age heating	season, parameters for the warmer and colder heating s	easons
are optional.					
Item	Symbo	l Value	Unit		Unit
Rated heating capacity	$P_{\text{rated},h}$	50.00	kW	$ \begin{array}{ccc} Seasonal & space \\ heating & energy \\ \eta_{s,h} \end{array} $	%
Declared heating capacitemperature 20 °C and or	utdoor t	emperat	ure T _j	efficiency Declared coefficient of performance or gas util efficiency / auxiliary energy factor for part load at outdoor temperatures T _j	giver
$T_j = -7 \ ^{\circ}C$	Pdh	37.26		$T_{j} = -7 \ ^{\circ}C \qquad COP_{d} \qquad 2.44$	<u>%</u>
$T_j = +2 °C$	Pdh	26.94		$T_{j} = +2 °C \qquad COP_{d} \qquad 3.12$	%
$T_j = +7 \ ^{\circ}C$	Pdh	17.32		$T_{j} = +7 \ ^{\circ}C$ COP _d 5.15	<u>%</u>
$T_{j} = +12 \ ^{\circ}C$	Pdh	8.27	kW	$T_j = +12 ^{\circ}C$ COP _d 6.04	%
$T_j = bivalent$ temperature	Pdh	40.71	kW	$\begin{array}{c} T_j = bivalent \\ temperature \end{array} COP_d \qquad \qquad$	<u>%</u>
$T_i = operation limit$	Pdh	24.87	kW	$T_i = operation limit COP_d$ 2.21	%
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 COP _d (if $T_{OL} < -20$ °C)	<u>⁰⁄</u> ₀
Bivalent temperature	T_{biv}	-5.2	°C	For water-to-air heat pumps: Operation T _{ol} - limit temperature	°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}	0.000		Electric back-up heating capacity * elbu 0.000	kW
	P _{TO}	0.078		Type of energy input	
Crankcase heater mode	P _{CK}	0.054	kW	Standby mode P _{SB} 0.073	kW
Other items		•	•		
Capacity control	variabl	e		For air-to-air heat pumps: Nominal air flow rate, outdoor - 19200 m measured	³/h
Sound power level, indoor / outdoor measured		86.0	dB	For water-/brine-to- air heat pumps: Rated brine or water m	³/h
Emissions of nitrogen oxides (if applicable)	NO _x	-	mg/kWh	flow rate, outdoor heat exchanger	
GWP of the refrigerant		2088	kg CO _{2 eq} (100 years)		
Contact details	AIR-C 5-66,T	ONDITI ebira 6 (ONING & D Chome,Waka	CORPORATION REFRIGERATION SYSTEMS WORKS ayama-City 640-8686,Japan	
Where information relate	es to m ce of t	ulti-split	heat pumps	default degradation coefficient of heat pumps shall be 0, s, the test result and performance data may be obtained with a combination of indoor unit(s) recommended	on th

Model(s): Information t	-						
Outdoor : PURY-EP450				FY-P63VMHS2-E×	4units, PEFY-P50	VMHS2-E	× 4units
Outdoor heat exchanger							
Indoor heat exchanger of Type: compressor drive							
if applicable: driver of c							
Item	Symbol			Item	Symbol	Vol	ue Unit
	Symbol	Value	Oint	Seasonal space	Symbol	v ai	
Rated cooling capacity	P _{rated,c}	50.00	kW	cooling energy efficiency	$\eta_{s,c}$	258	5.6 %
Declared cooling capa outdoor temperatures (dry/wet bulb)	T_j and	indoo	r 27°/19°C	efficiency / auxili outdoor temperatu	0	or part load	at given
$T_j = +35 \ ^{\circ}C$	Pdc	50.00		$T_j = +35 \ ^{\circ}C$	EER _d	3.3	
$T_{j} = +30 ^{\circ}C$	Pdc	36.86		$T_j = +30 \ ^{\circ}C$	EERd	4.9	
$T_j = +25 \ ^{\circ}C$	Pdc	23.70		$T_j = +25 \ ^{\circ}C$	EERd	7.6	
$T_j = + 20 \ ^{\circ}C$	Pdc	15.81	kW	$T_j = + 20 \ ^{\circ}C$	EER _d	13.	68 %
Degradation co- efficient air conditioners**	C _d	0.25	-				
Power consumption ir mode'	n modes	other	than 'active			·	
Off mode	P_{OFF}	0.000	kW	Crankcase h mode	PCK	0.0	54 kW
Thermostat-off mode	\mathbf{P}_{TO}	0.084	kW	Standby mode	\mathbf{P}_{SB}	0.0′	73 kW
Other items							
Capacity control	variable			For air-to-air conditioner: Non air flow rate, ou measured	_	19200	m³/h
Sound power level, outdoor	L _{WA}	36.0	dB				
if engine driven: Emissions of nitrogen oxides	NO _x		mg/kWh fuel input GCV				
GWP of the refrigerant	2	2088	kg CO _{2 eq} (100 years)				
Contact details	AIR-CC	NDITI	ONING & RI	CORPORATION EFRIGERATION SY rama-City 640-8686,			
** If C _d is not determin Where information rela the basis of the perfor manufacturer or importe	ed by me tes to mu mance o	asureme lti-split	ent then the d air condition	efault degradation co ers, the test result an	pefficient air conditi nd performance data	may be ob	tained on

Information to identify the									
Outdoor : PURY-EP450				-P63VMHS2-E	$\times 4$ un	its, PEFY-P50	VMHS2	$2 - E \times 4$	units
Outdoor heat exchanger									
Indoor heat exchanger of									
Indication if the heater is									
Parameters shall be decla	ared for	the aver	age heating	son, parameters	for th	e warmer and c	older he	eating s	easons
are optional.									
Item	Symbo	l Value	Unit	tem		Symbol		Value	Unit
Rated heating capacity	P _{rated,h}	56.00	kW	eating en fficiency	pace lergy			140.2	
Declared heating capacitemperature 20 °C and o				Declared coeffic fficiency / auxi utdoor temperat	liary e	energy factor fo			
$T_{i} = -7 \ ^{\circ}C$	Pdh	37.35	kW	$C_i = -7 ^{\circ}C$	(COP _d		2.67	%
$T_j = +2 °C$	Pdh	30.16		$f_j = +2 ^{\circ}C$	(COP _d		3.16	%
$T_i = +7 °C$	Pdh	19.40		$f_{i} = +7 ^{\circ}C$		COPd		5.51	%
$T_{j} = +12 ^{\circ}C$	Pdh	8.63		$f_{i} = +12 ^{\circ}\text{C}$		COPd		6.57	<u>%</u>
$\vec{T_j} = bivalent$ temperature	Pdh	41.12		$f_j = bivalent$ emperature		COP _d		2.95	%
$T_i = operation limit$	Pdh	24.28	kW	$f_i = operation lin$	nit (COP _d		2.08	%
For air-to-water heat	1 011	24.20	K ()	or water-to-air				2.00	/0
pumps: $T_j = -15$ °C (if	Pdh	-	kW	umps: $T_j = -1$		COP		-	<u>⁰∕₀</u>
$T_{OL} < -20 ^{\circ}\text{C}$	1 011	_	K VV	if $T_{OL} < -20 \text{ °C}$	50			_	/0
102 (20 0)				for water-to-air	heat				-
Bivalent temperature	$T_{biv} \\$	-3.1	°C		ation '	T _{ol}		-	°C
Degradation co- efficient heat pumps**	C_{dh}	0.25	-						_
Power consumption in mode'	modes	other t	han 'active	upplementary h	eater				
Off mode	P _{OFF}	0.000	kW	lectric back eating capacity ³	k-up *	elbu		0.000	kW
Thermostat-off mode	P _{TO}	0.084	kW	ype of energy in					
Crankcase heater mode	P _{CK}	0.054	kW	tandby mode	-	P _{SB}		0.073	kW
Other items				2		~~			
Capacity control	variabl	e		or air-to-air umps: Nominal ow rate, out neasured	l air	-	19200	m	³ /h
Sound power level, indoor / outdoor	L _{WA}	86.0	dB	or water-/bring ir heat pu	mps:				3/L
measured Emissions of nitrogen oxides (if applicable)	NO _x	-	mg/kWh	ated brine or w ow rate, out		-	-	m	3⁄h
GWP of the refrigerant	·		kg CO _{2 eq} (100 years)	eat exchanger		·			
Contact details	AIR-C	ONDITI	ELECTRIC ONING &	RPORATION FRIGERATION ma-City 640-868				I	
** If C _d is not determine Where information relate basis of the performan manufacturer or importer	d by me es to m ce of t	asureme ulti-split	ent then the heat pumps	ult degradation e test result and	coeffic l perfo	cient of heat pur rmance data ma	iy be ob	otained	on the

Model(s): Information to	identi	fy the mo	odel(s) to whi	ch the information	n relates :			
Outdoor : PURY-EP500	YLM-A	A1(-BS)	Indoor :	PEFY-P63VMH	S2-E \times 8units			
Outdoor heat exchanger	of air c	ondition	er: air					
Indoor heat exchanger of	f air co	nditioner	: air					
Type: compressor driven	vapou	r compre	ession					
if applicable: driver of co	ompres	sor: elect	tric motor					
	-	Value	Unit	Item	Symbol	Val	ue Ur	nit
				Seasonal spa	ce			
Rated cooling capacity F	rated,c	56.00	kW	cooling energy efficiency	gy $\eta_{s,c}$	245	.4 %	
Declared cooling capac outdoor temperatures (dry/wet bulb)					gy efficiency rativities rativities and the second			
$T_i = +35 \ ^{\circ}C$	Pdc	56.00	kW	$T_i = +35 \ ^{\circ}C$		3.0	6 %	,
$T_i = +30 ^{\circ}C$	Pdc	41.28	kW	$T_{i} = +30 \ ^{\circ}C$	EERd	4.2		
$T_i = +25 ^{\circ}C$	Pdc	26.54	kW	$T_i = +25 \ ^{\circ}C$	EERd	7.4		
$T_{i} = +20 ^{\circ}C$	Pdc	18.30	kW	$T_{i} = +20 \ ^{\circ}C$	EERd	14.		
5				<u>.</u>				
Degradation co- efficient air conditioners**	C _d	0.25	-					
Power consumption in mode'	mode	s other	than 'active					
Off mode	P _{OFF}	0.000	kW	Crankcase mode	heater P _{CK}	0.0	47 kV	N
Thermostat-off mode	P _{TO}	0.091	kW	Standby mode	\mathbf{P}_{SB}	0.0	80 kV	N
Other items			1					
Capacity control	variable		For air-to-air air conditioner: Nominal air flow rate, outdoor - measured 228		22800	00 m³/h		
Sound power level, outdoor	L_{WA}	87.0	dB					
if engine driven:			mg/kWh					
Emissions of nitrogen oxides	NO _x	-	fuel input GCV					
GWP of the refrigerant		2088	kg CO _{2 eq} (100 years)					
Contact details	AIR-0	CONDIT	IONING & R	CORPORATION EFRIGERATION yama-City 640-86	N SYSTEMS WORK 686,Japan	KS		
** If C _d is not determine Where information relate the basis of the perform manufacturer or importer	d by m es to m nance	easurem ulti-split	ent then the de air condition	efault degradation ers, the test result	n coefficient air cond t and performance da	ata may be c	btained	on

Rated heating capacity I Declared heating capacity emperature 20 °C and out $\Gamma_j = -7$ °C I	air cond equipped red for t Symbol P _{rated,h} y for pa	itioner: d with a he aver	air a supplemen age heating	season, parameters for Item	the warmer and c Symbol	older he	ating s	eason		
Indication if the heater is e Parameters shall be declar are optional.ItemSItemSRated heating capacityFDeclared heating capacity emperature 20 °C and out $G = -7 °C$	equipped red for t Symbol P _{rated,h} y for pa	d with a he aver Value	a supplemen age heating	season, parameters for Item		older he	ating s	eason		
Parameters shall be declar are optional. (tem S Rated heating capacity F Declared heating capacity emperature 20 °C and out $\Gamma_j = -7$ °C F	red for t Symbol P _{rated,h} y for pa	he aver Value	age heating	season, parameters for Item		older he	ating s	eason		
are optional. item S Rated heating capacity H Declared heating capacity H Declared heating capacity H $G_j = -7 \ ^{\circ}C$ H	Symbol P _{rated,h} y for pa	Value		Item			aning s			
temSRated heating capacityHDeclared heating capacityemperature 20 °C and out $\Gamma_j = -7$ °CH	P _{rated,h} y for pa		Unit		Symbol					
Rated heating capacity I Declared heating capacity emperature 20 °C and out $\Gamma_j = -7$ °C I	P _{rated,h} y for pa						Value	Unit		
Declared heating capacity emperature 20 °C and out $\Gamma_j = -7$ °C	y for pa	63.00		Seasonal space			v urue			
emperature 20 °C and out $\Gamma_j = -7 °C$ H	y for pa		kW	heating energy efficiency			139.0	%		
$\Gamma_j = -7 \ ^{\circ}C$	- 4	art load	l at indoor	Declared coefficient efficiency / auxiliary						
	tdoor ter	mperati	are T _j	outdoor temperatures		or part i	ouu ui	5110		
	Pdh	39.57	kW	$T_j = -7 \ ^{\circ}C$	COPd		2.26	%		
$\Gamma_i = +2 ^{\circ}C$ If	Pdh	33.94		$T_i = +2 °C$	COPd		2.95	%		
5	Pdh	21.82		$T_i = +7 °C$	COP _d		5.59	%		
5	Pdh	10.93		$T_{i} = +12 \text{ °C}$	COPd		<u>8.93</u>	%		
$\vec{\Gamma} - bivalent$				$T_j = + 12$ C $T_i = bivalent$						
emperature	Pdh	45.88		temperature	COP _d		3.12	%		
j 1	Pdh	27.00	kW	$T_j = operation limit$	COP _d		2.25	%		
For air-to-water heat				For water-to-air heat						
pumps: $T_j = -15$ °C (if H	Pdh	-	kW	pumps: $T_j = -15 $ °C	COP _d		-	%		
$\Gamma_{\rm OL} < -20 ^{\circ}{\rm C})$				$(if T_{OL} < -20 °C)$						
				For water-to-air heat						
Bivalent temperature	T_{biv}	-2.9	°C	pumps: Operation	T _{ol}		-	°C		
				limit temperature						
encient neat pumps***	C_{dh}	0.25	-							
Power consumption in m node'	modes o	other th	nan 'active	Supplementary heater						
Off mode I	Poff	0.000	kW	Electric back-up heating capacity *	elbu		0.000	kW		
Thermostat-off mode	P _{TO}	0.091	kW	Type of energy input						
Crankcase heater mode	P _{CK}	0.047	kW	Standby mode	P _{SB}		0.080	kW		
Other items										
				For air-to-air heat						
Capacity control	variable			pumps: Nominal air		22800	m	³/h		
	variable	-		flow rate, outdoor		22000		/11		
				measured						
Sound power level,				For water-/brine-to-						
ndoor / outdoor I	L _{WA} 8	7.0	dB	air heat pumps						
measured				Rated brine or water		-	m	³/h		
Emissions of nitrogen Poxides (if applicable)	NO _x -		mg/kWh	flow rate, outdoor heat exchanger						
GWP of the refrigerant	2		kg CO _{2 eq} (100 years)							
Contact details	MITSUBISHI ELECTRIC CORPORATION									
	AIR-CONDITIONING & REFRIGERATION SYSTEMS WORKS									
	5-66, Tebira 6 Chome, Wakayama-City 640-8686, Japan									
** If C _d is not determined						mps shal	1 be 0,2	25.		
Where information relates										

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