PRODUCT INFORMATION
PQHY-P\* \* \* YLM-A/A1/A2
PQRY-P\* \* \* YLM-A/A1/A2
For Europe Regulation

Model(s): Information to Outdoor: PQHY-P200Y		•	. ,				:			
Outdoor heat exchanger										
Indoor heat exchanger of										
Type: compressor drive										
if applicable: driver of o										
Item		Value		Item		Symb	ool	7	/alue	Unit
Rated cooling capacity	P <sub>rated,c</sub>		kW	Seasonal cooling efficiency	space energy	-			322.0	%
Declared cooling capac outdoor temperatures (dry/wet bulb)				Declared en outdoor tem			ratio for par	t load at	given	
$T_j = +35$ °C	Pdc	22.40	kW	$T_j = +35$ °C		EER.	I	(	.42	<del>%</del>
$T_j = +30$ °C	Pdc	16.51	kW	$T_{\rm j} = +30  {\rm ^{o}C}$		EER <sub>d</sub>	l	8	3.64	<del>%</del>
$T_j = +25$ °C	Pdc	10.61	kW	$T_{j} = +25  {}^{\circ}C$		EER <sub>d</sub>	I	<u> </u>		4
$T_j = +20$ °C	Pdc	8.01	kW	$T_{\rm j} = +20  {}^{\rm o}{\rm C}$		EER <sub>d</sub>	I	1	1.98	<del>%</del>
Degradation coefficient air conditioners**  Power consumption in mode'	modes		_							
Off mode	Poff	0.000	-	Crankcase h		ode	P <sub>CK</sub>		0.032	
Thermostat-off mode	$P_{TO}$	0.080	kW	Standby mo	de		$P_{SB}$	(	.074	kW
Out.										
Other items	variable									
Capacity control Sound power level, outdoor	L <sub>WA</sub>	60.0	dB	For water/b conditioner:	Rated					
if engine driven:			mg/kWh	or water	flow	rate,	-	4	m <sup>3</sup>	<sup>3</sup> /h
Emissions of nitrogen	NO <sub>x</sub>	-	fuel input	outdoor	side	heat				
oxides			GCV	exchanger						
GWP of the refrigerant		2088	kg CO <sub>2eq</sub> (100years)							
Contact details	REFRIG 640-86	GERAT 86, Japan	ION SYSTE n	MS WORKS	5-66, Te	ebira, 6	DITIONING 5-Chome, Wal	kayama		
** If C <sub>d</sub> is not determin										
Where information rela	tes to m	ulti-split	air condition	ners, the test	result an	d perf	ormance data	may be	obtair	ned on

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

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

Information to identify				nformation relates : EFY-P50VMHS2-E ×4 uni	ita			
Outdoor heat exchange				EF 1-P30 VIVINS2-E ×4 uiii	its			
Indoor heat exchanger								
Indication if the heater				entary heater: no				
if applicable: driver of				chary heater. no				
				ating season, parameters	for the warmer	and co	lder h	eating
seasons are optional.	cerarea	ioi the	average nec	ung season, parameters	ioi the warmer	and co	raci in	cating
Item	Symbo	1 Value	Unit	Item	Symbol		Value	Unit
Rated heating	-			Seasonal space heating	•			
capacity	$P_{\text{rated,h}}$	25.00	kW	energy efficiency	$\eta_{s,h}$		193.2	%
Declared heating capac	city for	part loa	d at indoor	Declared coefficient of	performance for	or part l	oad at	given
temperature 20 °C and				outdoor temperatures T <sub>i</sub>	1	1		U
$T_i = -7$ °C	Pdh	22.12	, ,	$T_i = -7  ^{\circ}C$	$COP_d$		5.40	<del>%</del>
$T_i = +2 ^{\circ}C$	Pdh	13.46		$T_i = +2  ^{\circ}C$	$COP_d$		5.26	<del>%</del>
$T_i = +7 ^{\circ}C$	Pdh	8.65	kW	$T_i = +7 ^{\circ}C$	$COP_d$		4.95	<del>%</del>
$T_i = +12 {}^{\circ}\text{C}$	Pdh	6.78	kW	$T_{j}^{3} = +12  {}^{\circ}\text{C}$	$COP_d$		4.74	<u>%</u>
$T_i = bivalent$	D 11		1 337	$T_i$ = bivalent	COD			١,,
temperature	Pdh	25.00	kW	temperature	$COP_d$		5.36	<del>%</del>
$T_i$ = operation limit	Pdh	25.00	kW	$T_i$ = operation limit	$COP_d$		5.36	<del>%</del>
For air-to-water heat			1	For water-to-air heat				1
pumps: $T_i = -15$ °C	Pdh	-	kW	pumps: $T_i = -15$ °C (if	$COP_d$		-	<u>0/0</u>
$(if T_{OL} < -20  ^{\circ}C)$				$T_{OL} < -20$ °C)				
			1	For water-to-air heat				1
Bivalent temperature	$T_{\rm biv}$	-10	°C	pumps: Operation limit	$T_{ol}$		-10	°C
				temperature				
								1
Degradation co-								1
efficient heat	$C_{dh}$	0.25	-					
pumps**								
Power consumption in	modes	other t	han 'active	Supplementary heater				
mode'			_	Supplementary neater			1	_
Off mode	$P_{OFF}$	0.000	kW	Electric back-up	elbu		0.000	kW
			_	heating capacity *	Ciou		0.000	11. 11
Thermostat-off mode	$P_{TO}$	0.080	kW	Type of energy input				
Crankcase heater	$P_{CK}$	0.032	kW	Standby mode	$P_{SB}$		0.074	kW
mode					55			
Other items				<del></del>	ī	1	1	
				For air-to-air heat				
Capacity control	variable	e		pumps: Nominal air	-	-	m	<sup>3</sup> /h
				flow rate, outdoor				
C 1 1 1				measured				
Sound power level,	т	(1.5	1D	For water-/brine-to-air				
indoor / outdoor	LWA	61.5	dB	heat pumps: Rated brine or water flow				1 <sup>3</sup> /h
measured	-				-	6	111	.2/11
Emissions of nitrogen	$NO_x$	-	mg/kWh	· ·				
oxides (if applicable)			kg CO <sub>2eq</sub>	exchanger				
GWP of the refrigerant		2088	(100  years)					
	MITCI	БІСПІ		CORPORATION AIR-C	 	2 &		
Contact details				EMS WORKS 5-66, Tebir			City 6	540
Contact details	8686, J		1011 51511	EMS WORKS 5-00, I con	a, o-chome, w	akayam	i City (	) <del>4</del> 0-
** If C <sub>1</sub> is not determin			nent then the	e default degradation coeff	ricient of heat p	ımne eh	all he C	25
				s, the test result and perfo				
				with a combination of in				
manufacturer or import		540		a comomanon of in	um(b) 10			,

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

Model(s): Information						:			
Outdoor: PQRY-P200Y Outdoor heat exchange					×4 umits				
Indoor heat exchanger				IIIC					
Type: compressor drive									
if applicable: driver of									
Item	Symbo			Item	Sym	bol		Value	Unit
Rated cooling capacity	•	22.40		*	ace rgy $\eta_{s,c}$			313.6	%
Declared cooling capa outdoor temperatures (dry/wet bulb)				Declared energy outdoor temperat		y ratio fo	r part load a	nt given	1
$T_j = +35$ °C	Pdc	22.40	kW	$T_j = +35$ °C	EER	·d		6.42	<del>0/0</del>
$T_i = +30 {}^{\circ}\text{C}$	Pdc	16.51	_	$T_i = +30  ^{\circ}C$	EER	-d		8.64	<del>%</del>
$T_i = +25  ^{\circ}\text{C}$	Pdc	10.61	kW	$T_i = +25$ °C	EER	-d		10.26	<del>%</del>
$T_j = +20  ^{\circ}C$	Pdc	8.01	kW	$T_j = +20  ^{\circ}C$	EER	-d		11.98	<del>%</del>
Degradation co- efficient air conditioners**	$C_{d}$	0.25	-						_
Power consumption in mode'	modes	other t	han 'active						
Off mode	$P_{OFF}$	0.000	kW	Crankcase heater	mode	$P_{CK}$		0.032	kW
Thermostat-off mode	$P_{\text{TO}}$	0.101	kW	Standby mode		$P_{SB}$		0.095	kW
Other items									
	variable	<b>a</b>							
Sound power level, outdoor	L <sub>WA</sub>	60.0	dB	For water/brine-conditioner: Rat					
if engine driven: Emissions of nitrogen oxides	NO <sub>x</sub>	-	mg/kWh fuel input GCV	or water flow outdoor side exchanger			4	m	3/h
GWP of the refrigerant		2088	kg CO <sub>2eq</sub> (100years)						
Contact details	REFRI 640-86	GERAT 86, Japa	ION SYSTE	CORPORATION A EMS WORKS 5-66	, Tebira,	6-Chome,	, Wakayama		0.25
LET IT I LE not determin	ad hy m	Agenram	ant than tha	detaille degradation	n coattici	ant air coi	nattionare e	nall ha	11:75

<sup>\*\*</sup> If C<sub>d</sub> is not determined by measurement then the default degradation coefficient air conditioners shall be 0.25. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.

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

Information to identify					<b>t</b> a							
Outdoor: PQRY-P200YLM-A/A1/A2 Indoor: PEFY-P50VMHS2-E ×4 units Outdoor heat exchanger of heat pump: water/brine												
Indoor heat exchanger												
				antary haatary na								
Indication if the heater				entary neater. no								
if applicable: driver of				-4:	C 41		1					
	eciared i	or the	average nea	ating season, parameters	for the warmer a	and colde	r ne	aung				
seasons are optional.	Cl1	<b>V</b> /-1	T T:4	T+	C11	17.	.1	Unit				
Item Rated heating	Symbol	varue	Unit	Item	Symbol	V	iiue	Unit				
	$P_{rated,h}$	25.00	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	19	3.1	%				
capacity  Declared heating capacity		nomt 100	d at indoor	Declared coefficient of	manfammanaa fan	mont lood						
temperature 20 °C and				outdoor temperatures T <sub>i</sub>	•	part 10ac	. at §	given				
$T_i = -7 ^{\circ}\text{C}$	Pdh	22.12	,	$T_i = -7 ^{\circ}\text{C}$	$COP_d$	5.4	10	<del>%</del>				
$T_j = +2$ °C	Pdh	13.46	-1	1 1 -	$COP_d$	5.		<del>70</del>				
$T_j = +2$ C $T_j = +7$ °C	Pdh		kW	$ T_j = + 2 \text{ °C} $ $ T_i = + 7 \text{ °C} $	$COP_d$	4.9		<del>%</del>				
	Pdh	8.65	-1	1 1 3				4				
$T_j = +12  ^{\circ}C$	ruii	6.78	kW	$T_j = +12  ^{\circ}\text{C}$	$COP_d$	4.	/4	<del>%</del>				
$T_j = bivalent$	Pdh	25.00	kW	$T_j = bivalent$	$COP_d$	5.	36	<del>%</del>				
temperature	Dak	25.00	1-337	temperature	COD	<u></u>	26	0/				
$T_j$ = operation limit	Pdh	25.00	KW	$T_j$ = operation limit	$COP_d$	5	56	<del>%</del>				
For air-to-water heat	Dak		1-337	For water-to-air heat	COD			0/				
pumps: $T_j = -15$ °C	Pan	-	kW	pumps: $T_j = -15$ °C (if	$COP_d$	-		<del>%</del>				
$(if T_{OL} < -20  ^{\circ}C)$			<u> </u>	$T_{OL} < -20  ^{\circ}\text{C}$								
D:1	т	10	°C	For water-to-air heat	Т	1	^	°C				
Bivalent temperature	$T_{\rm biv}$	-10	10	pumps: Operation limit	I ol	-1	U	-C				
				temperature								
D 1			<u> </u>									
Degradation co-	C	0.25										
efficient heat	$C_{dh}$	0.25	-									
pumps**		-41 4	la a a dia a					<u> </u>				
Power consumption in	modes	otner t	nan acuve	Supplementary heater								
mode'			7	Electric beelcom				1				
Off mode	$P_{OFF}$	0.000	kW	Electric back-up	elbu	0.0	000	kW				
Thermostat-off mode	D	0.101	1-337	heating capacity *				<u> </u>				
	$P_{TO}$	0.101	KW	Type of energy input								
Crankcase heater mode	$P_{CK}$	0.032	kW	Standby mode	$P_{SB}$	0.0	095	kW				
Other items				Ess sints sin boot			$\overline{}$					
				For air-to-air heat								
Capacity control	variable	<b>;</b>		pumps: Nominal air		-	$m^3$	³/h				
				flow rate, outdoor measured								
Sound norman lavel				For water-/brine-to-air			+					
Sound power level, indoor / outdoor	T	61.5	dB									
measured	LWA	)1.5	uБ	heat pumps: Rated brine or water flow		<i>c</i>	m³	3/L				
Emissions of nitrogen	_				-	6	III	/11				
oxides (if applicable)	NO <sub>x</sub>	.	mg/kWh	rate, outdoor heat exchanger								
oxides (ii applicable)			la CO	exchanger			+-					
GWP of the refrigerant	1	2088	kg CO <sub>2eq</sub> (100years)									
	MITSII	Віспі		CORPORATION AIR-CO	NDITIONING	Яr	—					
Contact details				EMS WORKS 5-66, Tebir			ity 6	40-				
Contact details	8686, Ja		1014 0 1 0 1	LIVID WORKING J-00, I CUII	u, o chome, war	rayama C	ity O	10-				
** If C <sub>4</sub> is not determin			nent then the	e default degradation coeff	icient of heat pur	nns shall l	ne O	25				
				es, the test result and perform								
				with a combination of in								
manufacturer or import			assi uiiit,	a comomation of III			. <i>0</i>	,				

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

Model(s): Information to Outdoor: PQHY-P250Y							:			
Outdoor heat exchanger	r of air c	ondition	er: water/br	ine						
Indoor heat exchanger of	of air co	nditione	:: air							
Type: compressor drive										
if applicable: driver of	compres	sor: elec	tric motor							
Item	Symbol	Value	Unit	Item		Symb	ool	,	Value	Unit
Rated cooling capacity	$P_{\text{rated,c}}$	28.00	kW	Seasonal cooling efficiency	space energy	$\eta_{s,c}$		3	323.6	%
Declared cooling capa outdoor temperatures (dry/wet bulb)				Declared en outdoor tem			ratio for par	t load at	given	
$T_j = +35  ^{\circ}\text{C}$ $T_j = +30  ^{\circ}\text{C}$ $T_j = +25  ^{\circ}\text{C}$ $T_j = +20  ^{\circ}\text{C}$	Pdc Pdc Pdc Pdc	28.00 20.63 13.26 7.49	kW	$T_{j} = +35 \text{ °C}$ $T_{j} = +30 \text{ °C}$ $T_{j} = +25 \text{ °C}$ $T_{i} = +20 \text{ °C}$		EER CEER CEER CEER CEER CEER CEER CEER	i i	,	6.74 7.56 10.42 11.34	
Degradation co- efficient air conditioners**	$C_{d}$	0.25	-							
Power consumption in mode'	modes		_							
Off mode	$P_{OFF}$	0.000	-	Crankcase h		de	$P_{CK}$	(	0.032	kW
Thermostat-off mode	$P_{TO}$	0.080	kW	Standby mo	de		$P_{SB}$	(	0.074	kW
Other items Capacity control	variable	<u> </u>								
Sound power level, outdoor	L <sub>WA</sub>		dB	For water/b conditioner:	Rated	brine				
if engine driven: Emissions of nitrogen oxides	NO <sub>x</sub>	-	mg/kWh fuel input GCV	or water outdoor exchanger	flow side	rate, heat	-	5	m <sup>2</sup>	5/h
GWP of the refrigerant		2088	kg CO <sub>2eq</sub> (100years)							
Contact details	REFRIO 640-868	GERAT 86, Japai	ION SYSTE 1	CORPORATI EMS WORKS	5-66, Te	bira, (	6-Chome, Wa	kayama	•	0.25
** If C <sub>d</sub> is not determin	ed by me	easurem	ent then the	detault degrad	tation co	etticie	ent air conditi	oners sh	all be	J.25.

<sup>\*\*</sup> If C<sub>d</sub> is not determined by measurement then the default degradation coefficient air conditioners shall be 0.25. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.

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Information to identify							
				EFY-P63VMHS2-E ×4 uni	its		
Outdoor heat exchange							
Indoor heat exchanger Indication if the heater				antary haatary na			
if applicable: driver of				entary neater. no			
				otina aaaaan mamamatana	for the more	and solder 1	a a a tim a
	eciarea	for the	average nea	ating season, parameters	for the warmer	and colder i	ieating
seasons are optional.	Cl	1 37-1	. T.T.::4	T4	Carrala a 1	V-1	- T.T:4
Item 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Symbo	1 Value	Unit	Item	Symbol	vaiue	e Unit
Rated heating capacity	$P_{\text{rated},h}$	31.50	kW	Seasonal space heating	$\eta_{s,h}$	181.6	6 %
cupacity			4 -4 : 4	energy efficiency			
Declared heating capacitation and the second				Declared coefficient of		part load at	given
temperature 20 °C and	Pdh	<b>27.87</b>		outdoor temperatures T <sub>j</sub>		5.02	<u>0/o</u>
$T_j = -7$ °C	Pdh			$T_j = -7$ °C	COP <sub>d</sub>	5.02	
$T_j = +2$ °C	Pdh	16.96		$T_j = +2$ °C	COP <sub>d</sub>	5.04	<del>%</del>
$T_j = +7  ^{\circ}C$		10.90		$T_j = +7  ^{\circ}C$	COP <sub>d</sub>	4.65	<del>%</del>
$T_j = +12 ^{\circ}\text{C}$	Pdh	6.64	kW	$T_j = +12 ^{\circ}\text{C}$	$COP_d$	4.07	<del>%</del>
$T_j = bivalent$	Pdh	31.50	kW	$T_j = bivalent$	$COP_d$	5.03	<del>9/0</del>
temperature	D 11	21.50	1 337	temperature	COD	<b>5</b> .02	۱,,
$T_j$ = operation limit	Pdh	31.50	KW	$T_j$ = operation limit	$COP_d$	5.03	<del>%</del>
For air-to-water heat	D 11		1 337	For water-to-air heat	COD		
pumps: $T_j = -15$ °C	Pan	-	kW	pumps: $T_j = -15$ °C (if	$COP_d$	-	<del>%</del>
$(if T_{OL} < -20  ^{\circ}C)$				$T_{OL}$ < -20 °C)			_
D: 1		4.0	0.0	For water-to-air heat		10	0.0
Bivalent temperature	$T_{\rm biv}$	-10	°C	pumps: Operation limit	Tol	-10	°C
			_	temperature			_
							_
Degradation co-	a						
efficient heat	$C_{dh}$	0.25	-				
pumps**							
Power consumption in	n modes	other	than 'active	Supplementary heater			
mode'		_	_			Г	_
Off mode	$P_{OFF}$	0.000	kW	Electric back-up	elbu	0.000	kW
				heating capacity *			
Thermostat-off mode	$P_{TO}$	0.080	kW	Type of energy input			
Crankcase heater	$P_{CK}$	0.032	kW	Standby mode	$P_{SB}$	0.074	kW
mode	- 610				- 55		
Other items					<del> </del>		
				For air-to-air heat			
Capacity control	variable	e		pumps: Nominal air	_  ,	- ln	n³/h
				flow rate, outdoor			
				measured			
Sound power level,	_	- <b>-</b> 0		For water-/brine-to-air			
indoor / outdoor	Lwa	65.0	dB	heat pumps: Rated			2.7
measured	-			brine or water flow	-  ;	8 n	n³/h
Emissions of nitrogen	$NO_x$	_	mg/kWh	rate, outdoor heat			
oxides (if applicable)			- T	exchanger			
GWP of the refrigerant		2088	kg CO <sub>2eq</sub>				
			(100years)	GORDON LETTOTT IT			
G 1				CORPORATION AIR-CO			C 1 C
Contact details			TON SYST	EMS WORKS 5-66, Tebir	a, 6-Chome, Wal	kayama City	640-
** ICO	8686, J		, .1 .*	1.6.1, 1.1.2.22		1 11 1	0.27
				e default degradation coeff			
				s, the test result and perfo			
		the out	door unit, v	with a combination of in	idoor unit(s) rec	ommended	by the
manufacturer or import	ter.						

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

Model(s): Information t Outdoor: PQRY-P250Y										
Outdoor heat exchanger										
Indoor heat exchanger of	of air co	nditione	:: air							
Type: compressor drive	n vapou	r compre	ession							
if applicable: driver of o	compres	sor: elec	tric motor							
Item	Symbol	Value	Unit	Item		Syml	ool		Value	e Unit
сараспу	P <sub>rated,c</sub>		kW	Seasonal cooling efficiency	space energy	$\eta_{s,c}$			316.7	%
Declared cooling capac outdoor temperatures (dry/wet bulb)				Declared en outdoor tem		-	ratio fo	or part loa	nd at give	n
$T_j = +35$ °C	Pdc	28.00		$T_j = +35$ °C		EER	i		6.74	<del>%</del>
$T_j = +30$ °C	Pdc	20.63	kW	$T_{\rm j} = +30  {\rm ^{o}C}$		EER.	i		7.56	<del>%</del>
$T_j = +25$ °C	Pdc	13.26	kW	$T_{j} = +25  {}^{\circ}C$		EER.	i		10.42	2 <del>%</del>
$T_j = +\ 20\ ^{\circ}C$	Pdc	7.49	kW	$T_{\rm j} = +20  {}^{\circ}{\rm C}$		EER.	i		11.34	<del>%</del>
Degradation co- efficient air conditioners**  Power consumption in	- 4	<b>0.25</b>	- han 'active							
mode'			_							
Off mode	$P_{OFF}$	0.000		Crankcase h		ode	$P_{CK}$		0.032	kW
Thermostat-off mode	$P_{TO}$	0.101	kW	Standby mo	de		$P_{SB}$		0.095	kW
Other items								<b>.</b>		
Capacity control	variable	2								
Sound power level, outdoor	L <sub>WA</sub>	62.0	dB	For water/b conditioner:						
if engine driven: Emissions of nitrogen oxides	NO <sub>x</sub>	-	mg/kWh fuel input GCV	or water outdoor exchanger	flow side	rate, heat	1	5	n	n³/h
GWP of the refrigerant		2088	kg CO <sub>2eq</sub> (100years)							
Contact details	REFRI		ION SYSTE	CORPORATI EMS WORKS					ama City	
** If C <sub>d</sub> is not determin				default degrae	lation co	efficie	ent air co	nditioner	s 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.

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

Information to identify												
Outdoor: PQRY-P250YLM-A/A1/A2 Indoor: PEFY-P63VMHS2-E ×4 units Outdoor heat exchanger of heat pump: water/brine												
Indoor heat exchanger Indication if the heater				antom hootom no								
if applicable: driver of				entary neater. no								
				otina sassan manamatana	for the more	and solder	haatina					
	eciared	for the	average nea	nting season, parameters	for the warmer	and colder	neaung					
seasons are optional.	C1	1 37-1	. T.T:4	T4	C1 1	V-1-	I I:4					
Item	Symbo	1 Value	Unit	Item	Symbol	van	ie Unit					
Rated heating capacity	$P_{rated,h}$	31.50	kW	Seasonal space heating	$\eta_{s,h}$	181.	5 %					
cupacity			4 -4 : 4	energy efficiency			4 =:					
Declared heating capacitation and the second				Declared coefficient of		part load a	it given					
temperature 20 °C and	Pdh	<b>27.87</b>		outdoor temperatures T <sub>j</sub>		5.02	<u>0/o</u>					
$T_j = -7$ °C	Pdh			$T_j = -7$ °C	$COP_d$	5.02						
$T_j = +2$ °C	Pdh	16.96		$T_j = +2$ °C	COP <sub>d</sub>	5.04						
$T_j = +7  ^{\circ}C$		10.90		$T_j = +7  ^{\circ}C$	$COP_d$	4.65						
$T_j = +12 ^{\circ}\text{C}$	Pdh	6.64	kW	$T_j = +12 ^{\circ}\text{C}$	$COP_d$	4.07	<del>%</del>					
$T_j = bivalent$	Pdh	31.50	kW	$T_j = bivalent$	$COP_d$	5.03	<del>9/0</del>					
temperature	D 11	21.50	1 337	temperature	COD	<b>5</b> .02						
$T_j$ = operation limit	Pdh	31.50	KW	$T_j$ = operation limit	$COP_d$	5.03	<del>%</del>					
For air-to-water heat	D 11		1 337	For water-to-air heat	COD		0.4					
pumps: $T_j = -15$ °C	Pan	-	kW	pumps: $T_j = -15$ °C (if	$COP_d$	-	<del>%</del>					
$(if T_{OL} < -20  ^{\circ}C)$			_	$T_{OL}$ < -20 °C)								
D: 1		4.0	0.0	For water-to-air heat			0.00					
Bivalent temperature	$T_{\rm biv}$	-10	°C	pumps: Operation limit	$T_{ol}$	-10	°C					
			_	temperature								
			_									
Degradation co-	a											
efficient heat	$C_{dh}$	0.25	-									
pumps**	1											
Power consumption in	n modes	other	than 'active	Supplementary heater								
mode'		_	_									
Off mode	$P_{OFF}$	0.000	kW	Electric back-up	elbu	0.00	0 kW					
				heating capacity *								
Thermostat-off mode	$P_{TO}$	0.101	kW	Type of energy input								
Crankcase heater	$P_{CK}$	0.032	kW	Standby mode	$P_{SB}$	0.09	5 kW					
mode	- CIK				- 5B							
Other items					T							
				For air-to-air heat								
Capacity control	variabl	e		pumps: Nominal air	_	_	m³/h					
		-		flow rate, outdoor			,					
	L			measured								
Sound power level,	_			For water-/brine-to-air								
indoor / outdoor	$L_{WA}$	65.0	dB	heat pumps: Rated								
measured	-			brine or water flow	-	8	m³/h					
Emissions of nitrogen	$NO_x$	_	mg/kWh	rate, outdoor heat								
oxides (if applicable)	1,0%		Ŭ	exchanger								
GWP of the refrigerant		2088	kg CO <sub>2eq</sub>									
			(100years)		<u> </u>							
				CORPORATION AIR-CO			- 10					
Contact details			TON SYSTI	EMS WORKS 5-66, Tebir	a, 6-Chome, Wal	kayama City	7 640-					
** ICO	8686, J		, .1 .4	1.6.1.1.1.2.22		1 11 1	0.25					
				default degradation coeff								
				s, the test result and perfo								
		the out	door unit, v	with a combination of in	idoor unit(s) rec	commended	by the					
manufacturer or import	ter.											

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

			СОВССТ	_					
					ch the information relates:				
Outdoor: PQHY-P300Y	YLM-A	/A1/A2	Indoor: PE	F	Y-P50VMHS2-E $\times$ 6 units				
Outdoor heat exchange	r of air	condition	ner: water/br	rir	e				
Indoor heat exchanger	of air co	onditione	r: air						
Type: compressor drive	en vapo	ur compi	ression						
if applicable: driver of	compre	ssor: ele	ctric motor						
Item	Symbo	ol Value	Unit	_	Item Symb	ol	Val	ue	Unit
Rated cooling					Seasonal space				
Rated cooling capacity	$P_{rated,c}$	33.50	kW		cooling energy $\eta_{s,c}$		294	.0	%
				1	efficiency				
Declared cooling capa					Declared energy efficiency	ratio for part	load at giv	en	
outdoor temperatures	$T_j$ an	d indoo	r 2/%/19°C		outdoor temperatures T <sub>i</sub>		<i>6</i>		
(dry/wet bulb)	D.L.	22.50	1 337		•		C 16		0./
$T_j = +35  ^{\circ}\text{C}$	Pdc	33.50			$T_j = +35$ °C EER <sub>d</sub>		6.18		<del>%</del>
$T_j = +30  ^{\circ}\text{C}$	Pdc Pdc	24.68			$T_j = +30 ^{\circ}\text{C}$ EER <sub>d</sub>		6.05		<del>%</del>
$T_j = +25  ^{\circ}\text{C}$		15.87			$T_j = +25$ °C EER <sub>d</sub>		9.49	_	<del>0/0</del>
$T_j = +20  ^{\circ}C$	Pdc	8.86	kW		$T_j = +20 ^{\circ}\text{C}$ EER <sub>d</sub>		10.5	)/	<del>0/0</del>
Degradation co-									
	$C_d$	0.25							
conditioners**	Cd	0.23	-						
Power consumption in	mode	s other	than 'active	1					
mode'	111040	ounci	indir detive						
Off mode	$P_{OFF}$	0.000	kW		Crankcase heater mode	$P_{CK}$	0.03	32	kW
Thermostat-off mode	P <sub>TO</sub>	0.082				$P_{SB}$	0.07		
	- 10	0,002				- 3D	0.07	-	
Other items				1					
Capacity control	variab	le		l					
Sound power level,	т .	<b>60.0</b>	αι		For water/brine-to-air air				
outdoor	LWA	68.0	dB		conditioner: Rated brine				
if engine driven:			mg/kWh		or water flow rate,	-	7	m <sup>3</sup> /	/h
Emissions of nitrogen	$NO_x$	-	fuel input		outdoor side heat				
oxides			GCV	L	exchanger				
GWP of the refrigerant		2088	kg CO <sub>2eq</sub>						
S of the ferrigorant	1		(100years)	L			_		
					ORPORATION AIR-CON				
Contact details				Ľľ	AS WORKS 5-66, Tebira, 6	o-Chome, Wak	ayama Cit	У	
** ICC : 1		686, Japa		-	. C. 14 1 1				. 25
					efault degradation coefficie				1.25.

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

Information to identify the model(s) to which the information relates :  Outdoor: PQHY-P300YLM-A/A1/A2   Indoor: PEFY-P50VMHS2-E ×6 units												
Outdoor heat exchanger of heat pump: water/brine												
Indoor heat exchanger												
				antary haatary na								
Indication if the heater				entary neater: no								
if applicable: driver of					C	1 1	1 1					
	eciared i	or the	average nea	ating season, parameters	for the warmer	and col	aer ne	eating				
seasons are optional.	G 1 1	77.1	TT *:	Υ.	0 1 1		X 7 1	TT 1.				
Item	Symbol	Value	Unit	Item	Symbol		Value	Unit				
Rated heating	P <sub>rated h</sub>	37.50	kW	Seasonal space heating	$\eta_{s,h}$		179.2	%				
capacity				energy efficiency				<u> </u>				
Declared heating capaci				Declared coefficient of	•	r part lo	ad at	gıven				
temperature 20 °C and				outdoor temperatures T <sub>j</sub>		_		1				
$T_j = -7$ °C	Pdh	33.17	<del></del>	$T_j = -7$ °C	$COP_d$	-	5.00	<del>%</del>				
$T_j = +2  ^{\circ}C$	Pdh	20.19	<del></del>	$T_j = +2  ^{\circ}C$	$COP_d$	-	4.97	<del>%</del>				
$T_j = +7$ °C	Pdh	12.98		$T_j = +7 ^{\circ}C$	$COP_d$	-	4.54	<del>%</del>				
$T_j = +12  ^{\circ}C$	Pdh	6.87	kW	$T_j = +12  ^{\circ}C$	$COP_d$		3.75	<del>%</del>				
$T_j = bivalent$	Pdh	37.50	ьw	$T_j = bivalent$	$COP_d$		4.82	<u>%</u>				
temperature	I un	37.30	KVV	temperature	COId		7.02	70				
$T_j$ = operation limit	Pdh	37.50	kW	$T_j$ = operation limit	$COP_d$		4.82	<del>%</del>				
For air-to-water heat				For water-to-air heat								
pumps: $T_i = -15$ °C	Pdh	-	kW	pumps: $T_i = -15$ °C (if	$COP_d$		-	<del>%</del>				
$(if T_{OL} < -20  ^{\circ}C)$				$T_{OL} < -20$ °C)								
				For water-to-air heat								
Bivalent temperature	$T_{\rm biv}$	-10	°C	pumps: Operation limit	$T_{ol}$		-10	°C				
•				temperature								
Degradation co-												
efficient heat	$C_{dh}$	0.25	_									
pumps**	- dii											
Power consumption in	modes	other t	han 'active	~ .								
mode'				Supplementary heater								
	_		1	Electric back-up				]				
Off mode	$P_{OFF}$	0.000	kW	heating capacity *	elbu		0.000	kW				
Thermostat-off mode	$P_{TO}$	0.082	kW	Type of energy input								
Crankcase heater			1									
mode	$P_{CK}$	0.032	kW	Standby mode	$P_{SB}$		0.074	kW				
Other items		I	I									
Other items				For air-to-air heat								
				pumps: Nominal air								
Capacity control	variable	•		flow rate, outdoor	-	-	m <sup>3</sup>	3/h				
				measured								
Cound morrow lovel				For water-/brine-to-air								
Sound power level, indoor / outdoor	т ,	71.0	4D									
	LWA	71.0	dB	heat pumps: Rated		10	3	3 /1_				
measured	-			brine or water flow	-	10	m <sup>3</sup>	7/ <b>n</b>				
Emissions of nitrogen	NO <sub>x</sub>		mg/kWh	rate, outdoor heat								
oxides (if applicable)				exchanger								
GWP of the refrigerant	,	2088	kg CO <sub>2eq</sub>									
	MITCH	БІСПі	(100years)	CORPORATION AIR-CO	ANDITIONING	Q <sub>r</sub>						
Contact datails							City 6	:40				
Contact details			101/2121	EMS WORKS 5-66, Tebir	a, o-Chollie, wa	kayama	City 0	40-				
** If C in red determine	8686, Ja		aant th 41:	dofoult doors deties a co	isiant of 1	-1- ·	11 h - 0	25				
				e default degradation coeff								
				es, the test result and performation of in								
basis of the performa		ine out	loor unit, v	with a combination of in	aoor unit(s) red	commen	ued b	y the				
LIHADIHACHIFER OF IMPORT	er											

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

Model(s): Information to Outdoor: PQRY-P300Y										
Outdoor heat exchange					72 L X0 (	anres				
Indoor heat exchanger										
Type: compressor drive										
if applicable: driver of	compres	sor: elec	tric motor							
Item	Symbol	l Value	Unit	Item		Symb	ool	Va	lue	Unit
Rated cooling capacity	$P_{\text{rated,c}}$	33.50	kW	Seasonal cooling efficiency	space energy	$\eta_{s,c}$		289	9.2	%
Declared cooling capa outdoor temperatures (dry/wet bulb)			Declared en outdoor tem			ratio for par	t load at gi	ven		
$T_j = +35$ °C	Pdc	33.50	kW	$T_j = +35$ °C		EER.	I	6.1	8	<del>0/o</del>
$T_j = +30$ °C	Pdc	24.68	kW	$T_{\rm j} = +30  {\rm ^{o}C}$		EER.	I	6.0	5	<del>0/o</del>
$T_j = +25$ °C	Pdc	15.87	kW	$T_{\rm j} = +25  {}^{\rm o}{\rm C}$		EER.	-	9.4		<del>0/0</del>
$T_j = +20$ °C	Pdc	8.86	kW	$T_j = +20$ °C		EER	1	10.	.57	<del>0/0</del>
Degradation coefficient air conditioners**	$\mathbf{C}_{d}$	0.25	-							
Power consumption in mode'	modes	other t	han 'active					<b>.</b>		
Off mode	$P_{OFF}$	0.000	kW	Crankcase h	eater mo	de	$P_{CK}$	0.0	32	kW
	$P_{TO}$	0.103	_	Standby mo			$P_{SB}$			kW
Other items										
Capacity control	variable	2			_					
Sound power level, outdoor	L <sub>WA</sub>	68.0	dB	For water/b conditioner:						
if engine driven:			mg/kWh	or water	flow	rate,	-	7	m³	/h
Emissions of nitrogen	$NO_x$	-	fuel input	outdoor	side	heat				
oxides			GCV	exchanger						
GWP of the refrigerant		2088	kg CO <sub>2eq</sub> (100years)							
Contact details	REFRI 640-86	GERAT 86, Japa	ION SYSTE n	CORPORATI EMS WORKS	5-66, Te	ebira, (	6-Chome, Wal	kayama Ci		25
AA It L'. is not determin	ad hy m	Agenram	ant than tha	detault degrad	tation co	Att1016	ant air conditio	mare chall	na (	175

<sup>\*\*</sup> If C<sub>d</sub> is not determined by measurement then the default degradation coefficient air conditioners shall be 0.25. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.

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

Information to identify				nformation relates : EFY-P50VMHS2-E ×6 uni	ita			
Outdoor heat exchange				EF I -P30 VMH32-E ×0 uIII	its			
Indoor heat exchanger		_						
Indication if the heater		_		entary heater: no				
if applicable: driver of				chary heater. no				
				ating season, parameters	for the warmer	and co	lder h	eating
seasons are optional.	cerarea	ioi the	average nec	ting season, parameters	ioi the warmer	una co	raci ii	cating
Item	Symbo	l Value	Unit	Item	Symbol		Value	Unit
Rated heating	-			Seasonal space heating	•			
capacity	$P_{rated,h}$	37.50	kW	energy efficiency	$\eta_{s,h}$		179.1	%
Declared heating capac	city for	part loa	d at indoor	Declared coefficient of	performance for	or part 1	oad at	given
temperature 20 °C and				outdoor temperatures T <sub>i</sub>	1	1		U
$T_i = -7$ °C	Pdh	33.17	, ,	$T_i = -7  ^{\circ}C$	$COP_d$		5.00	<del>9/0</del>
$T_i = +2 ^{\circ}C$	Pdh	20.19		$T_i = +2  ^{\circ}C$	$COP_d$		4.97	<del>9/0</del>
$T_i = +7 ^{\circ}C$	Pdh	12.98	_	$T_i = +7 ^{\circ}C$	$COP_d$		4.54	<del>%</del>
$T_i = +12 {}^{\circ}\text{C}$	Pdh	6.87	kW	$T_{j}^{3} = +12  {}^{\circ}\text{C}$	$COP_d$		3.75	<u>%</u>
$T_i = bivalent$				$T_i$ = bivalent	_			
temperature	Pdh	37.50	kW	temperature	$COP_d$		4.82	<del>0/0</del>
$T_i = $ operation limit	Pdh	37.50	kW	$T_i = $ operation limit	$COP_d$		4.82	<del>%</del>
For air-to-water heat				For water-to-air heat	<b>u</b>			1
pumps: $T_i = -15$ °C	Pdh	_	kW	pumps: $T_i = -15$ °C (if	$COP_d$		_	<del>0/0</del>
$(if T_{OL} < -20  ^{\circ}C)$				$T_{OL} < -20$ °C)	<b>u</b>			
,				For water-to-air heat				1
Bivalent temperature	$T_{\text{biv}}$	-10	°C	pumps: Operation limit	$T_{ol}$		-10	°C
r	OI V			temperature	OI .			
				r · · · · · ·				1
Degradation co-								1
efficient heat	$C_{dh}$	0.25	_					
pumps**	- un	0.20						
Power consumption in	modes	other	than 'active	G 1 1 1			I	
mode'				Supplementary heater				
0.00	ъ	0.000	1 337	Electric back-up	11		0.000	],,,,,
Off mode	$P_{OFF}$	0.000	kW	heating capacity *	elbu		0.000	kW
Thermostat-off mode	$P_{TO}$	0.103	kW	Type of energy input			ı	
Crankcase heater					_			
mode	$P_{CK}$	0.032	kW	Standby mode	$P_{SB}$		0.095	kW
Other items			I		I			
				For air-to-air heat				
				pumps: Nominal air				
Capacity control	variabl	e		flow rate, outdoor	-	-	m	<sup>3</sup> /h
				measured				
Sound power level,				For water-/brine-to-air				
indoor / outdoor	Lwa	71.0	dB	heat pumps: Rated				
measured	ZWA	7 2.0	u.b	brine or water flow	_	10	lm	1 <sup>3</sup> /h
Emissions of nitrogen				rate, outdoor heat		10	111	. / 11
oxides (if applicable)	$NO_x$	-	mg/kWh	exchanger				
			kg CO <sub>2eq</sub>	Chemanger				
GWP of the refrigerant		2088	(100years)					
	MITSI	IBISHI		CORPORATION AIR-C	ONDITIONING	i &		
Contact details				EMS WORKS 5-66, Tebin			a City 6	540-
	8686, J				, 2 21101110, 11	,	. 210)	•
** If C <sub>d</sub> is not determin			nent then the	e default degradation coeff	icient of heat n	ımps sh	all be 0	,25.
				s, the test result and perfo				
				with a combination of ir				
manufacturer or import			,					•

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

Model(s): Information t	Model(s): Information to identify the model(s) to which the information relates :									
Outdoor: PQHY-P350Y										
Indoor: PEFY-P63VMI	HS2-E×	4 units,	PEFY-P50V	VMHS2-E ×2 units						
Outdoor heat exchanger	r of air c	ondition	er: water/br	rine						
Indoor heat exchanger of										
Type: compressor drive										
if applicable: driver of										
Item	Symbol	Value	Unit	·	alue	Unit				
сараспу	$P_{\text{rated},c}$	40.00			94.8	%				
Declared cooling capa	•		_	Declared energy efficiency ratio for part load at	aivan					
outdoor temperatures	$T_j$ and	indoo	r 27°/19°C	outdoor temperatures T <sub>i</sub>	given					
(dry/wet bulb)			,			1				
$T_j = +35$ °C	Pdc	40.00	_	'	.75	<del>0/0</del>				
$T_j = +30$ °C	Pdc	29.47		· · · · · · · · · · ·   - · · · · ·	.95	<del>%</del>				
$T_j = +25$ °C	Pdc	18.95		· · · · · · · · · · ·   - · · · · ·	.53	<del>%</del>				
$T_j = +20  ^{\circ}C$	Pdc	12.74	_ kW	$T_{j} = +20  ^{\circ}\text{C} \qquad \text{EER}_{d}$	2.58	<del>%</del>				
Degradation co- efficient air conditioners**	$C_{d}$	0.25	-							
Power consumption in	modes	other t	han 'active							
mode'			_							
Off mode	$P_{OFF}$	0.000			.036					
Thermostat-off mode	$P_{TO}$	0.078	kW	Standby mode P <sub>SB</sub> 0	.070	kW				
Other items										
Capacity control	variable	;								
Sound power level, outdoor	L <sub>WA</sub>	56.0	dB	For water/brine-to-air air conditioner: Rated brine						
if engine driven:			mg/kWh	or water flow rate, - 8	m <sup>3</sup>	<sup>3</sup> /h				
Emissions of nitrogen	$NO_x$		fuel input	outdoor side heat						
oxides			GCV	exchanger						
GWP of the refrigerant		2088	kg CO <sub>2eq</sub> (100years)							
				CORPORATION AIR-CONDITIONING &						
Contact details				EMS WORKS 5-66, Tebira, 6-Chome, Wakayama (	City					
	640-868	36, Japa	n							

<sup>\*\*</sup> If  $C_d$  is not determined by measurement then the default degradation coefficient air conditioners shall be 0.25. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.

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

``												
Information to identify the model(s) to which the information relates :												
	Outdoor: PQHY-P350YLM-A/A1/A2											
Indoor: PEFY-P63VMHS				H	S2-E ×2 units							
Outdoor heat exchanger o			er/brine									
Indoor heat exchanger of l												
Indication if the heater is				ry	heater: no							
if applicable: driver of con												
	ared for	the aver	age heating	3	season, parameters for the	warmer and cold	er heating	g sea	sons are			
optional.												
Item	Symbol	Value	Unit		Item	Symbol		Valu	e Unit			
Rated heating capacity	$P_{\text{rated},h}$	45.00	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$		168.				
Declared heating capaci					Declared coefficient of per	rformance for part	load at	given	outdoor			
temperature 20 °C and our	tdoor tem				temperatures T <sub>j</sub>							
$T_j = -7$ °C	Pdh	39.81	kW		$T_j = -7$ °C	$COP_d$		3.72	<del>0/0</del>			
$T_j = +2$ °C	Pdh	24.23	kW		$T_j = +2$ °C	$COP_d$		4.44	<del>%</del>			
$T_j = +7$ °C	Pdh	15.58	kW		$T_j = +7$ °C	$COP_d$		4.89	<del>%</del>			
$T_j = +12 {}^{\circ}\text{C}$	Pdh	7.81	kW		$T_j = +12 {}^{\circ}\text{C}$	$COP_d$		4.74	<del>0/0</del>			
$T_j$ = bivalent temperature	Pdh	45.00	kW		$T_j$ = bivalent temperature	$COP_d$		3.56	<del>0/0</del>			
$T_i$ = operation limit	Pdh	45.00	kW		$T_i$ = operation limit	$COP_d$		3.56	<del>%</del>			
For air-to-water heat					For water-to-air heat							
pumps: $T_j = -15$ °C (if	Pdh	-	kW		pumps: $T_j = -15$ °C (if	$COP_d$		-	<del>9/o</del>			
T <sub>OL</sub> < - 20 °C)					T <sub>OL</sub> < -20 °C)							
					For water-to-air heat							
Bivalent temperature	$T_{\rm biv}$	-10	°C		pumps: Operation limit	$T_{ol}$		-10	°C			
•					temperature							
Degradation co-efficient	$C_{dh}$	0.25										
heat pumps**	Cdh	0.25	-									
Power consumption in mo	des other	than 'ac	tive mode'	Ī	Supplementary heater							
Off mode	D	0.000	kW		Electric back-up heating	elbu		0.00	0 kW			
Off filode	$P_{OFF}$	0.000	K VV		capacity *	eibu		0.00	UKW			
Thermostat-off mode	$P_{TO}$	0.078	kW		Type of energy input							
Crankcase heater mode	Pck	0.036	kW		Standby mode	$P_{SB}$		0.07	0 kW			
Other items												
					For air-to-air heat pumps:							
Capacity control	variable				Nominal air flow rate,	-	-		m³/h			
					outdoor measured							
Sound power level,					For water-/brine-to-air							
indoor / outdoor	$L_{WA}$	68.0	dB									
measured					heat pumps: Rated brine or water flow rate,	-	11		m³/h			
Emissions of nitrogen	$NO_x$		mg/kWh		· ·							
oxides (if applicable)	NOx	-	ilig/K vv ii		outdoor heat exchanger							
GWP of the refrigerant		2088	kg CO <sub>2eq</sub> (100years)									
Contact data:1-	MITSU	BISHI E		C	ORPORATION AIR-COND	ITIONING & RE	FRIGER	ATIO	N			
Contact details					bira, 6-Chome, Wakayama							
** If C <sub>d</sub> is not determined					alt degradation coefficient of							
	Where information relates to multi-split heat pumps, the test result and performance data may be obtained on the basis of the											
performance of the outdoo	Where information relates to multi-split heat pumps, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.											

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

Model(s): Information ( Outdoor: PQRY-P350Y			odel(s) to w	hi.	ch the information re	lates	:			
Indoor: PEFY-P63VMI			PEFY-P50	V	MHS2-E ×2 units					
Outdoor heat exchange	r of air o	condition	ner: water/br	rin	e					
Indoor heat exchanger	of air co	nditione	r: air							
Type: compressor drive	n vapot	ır compr	ession							
if applicable: driver of	compres	sor: elec	tric motor							
Item	Symbo	1 Value	Unit		Item	Syml	ool		Value	Unit
Rated cooling capacity	$P_{\text{rated,c}}$	40.00	kW		Seasonal space cooling energy efficiency	-			290.8	%
Declared cooling capa outdoor temperatures (dry/wet bulb)		l indoo	r 27°/19°C		Declared energy efficient outdoor temperatures		ratio for p	art load a	ıt given	_
$T_j = +35$ °C	Pdc	40.00	kW		$T_j = +35$ °C	EER	i		4.75	<del>%</del>
$T_j = +30$ °C	Pdc	29.47	-		$T_j = +30$ °C	EER			7.95	<del>%</del>
$T_j = +25$ °C	Pdc	18.95			$T_j = +25$ °C	EER			7.53	<del>%</del>
$T_j = +\ 20\ ^{o}C$	Pdc	12.74	kW		$T_j = +20$ °C	EER	i		12.58	<del>%</del>
Degradation co- efficient air conditioners**	$C_{d}$	0.25	-							
Power consumption in mode'	modes	other t	han 'active							
Off mode	Poff	0.000	kW		Crankcase heater mo	de	$P_{CK}$		0.036	kW
Thermostat-off mode	P <sub>TO</sub>	0.099			Standby mode		P <sub>SB</sub>		0.091	
Other items				1						
Capacity control	variabl	0		┧┟						
Sound power level,	' I			1	For water/brine-to-a	ir air				
outdoor	$L_{WA}$	66.0	dB		conditioner: Rated					
if engine driven:	ŀ		mg/kWh		or water flow	rate,	_	8	m <sup>2</sup>	3/h
Emissions of nitrogen	NO <sub>v</sub>	_	fuel input		outdoor side	heat			111	, 11
oxides	- · · · x		GCV		exchanger					
GWP of the refrigerant		2088	kg CO <sub>2eq</sub> (100years)		C					
Contact details	REFRI 640-86	GERAT 86, Japa	ELECTRIC ION SYSTI n	EN	ORPORATION AIR AS WORKS 5-66, Te	bira,	6-Chome, W	/akayama		
** If C <sub>d</sub> is not determin	•				<u> </u>					
XX71	4 4 - ···	14: 11:	والمناه والمساوية			1			-1-4-:	1

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.

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

Information to identify the	Tufamoration to identify the model/e) to outlink the information unlater .											
Information to identify the model(s) to which the information relates:  Outdoor: PQRY-P350YLM-A/A1/A2												
Indoor: PEFY-P63VMHS			FY_P50VM	ш	IS2-F ×2 units							
Outdoor heat exchanger o					IDZ-L ×Z units							
Indoor heat exchanger of			i, ornic									
Indication if the heater is			ıpplementa	rv	heater: no							
if applicable: driver of con				- )	neuteri no							
				7	season, parameters for the	warmer and cold	er heatin	g seas	sons are			
optional.				,	F			5				
Item	Symbol	Value	Unit		Item	Symbol		Valu	e Unit			
Rated heating capacity	P <sub>rated,h</sub>	45.00	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$		168.8	8 %			
Declared heating capaci	ty for pa	rt load	at indoor		Declared coefficient of per	rformance for part	load at	given	outdoor			
temperature 20 °C and our	tdoor tem	<u>perature</u>	Tj		temperatures T <sub>j</sub>							
$T_j = -7$ °C	Pdh	39.81	kW		$T_j = -7$ °C	$COP_d$		3.72	<del>0/0</del>			
$T_j = +2$ °C	Pdh	24.23			$T_j = + 2$ °C	$COP_d$		4.44	<del>0/0</del>			
$T_j = +7$ °C	Pdh	15.58	kW		$T_j = +7$ °C	$COP_d$		4.89	<del>9/0</del>			
$T_{j} = + 12  {}^{\circ}C$	Pdh	7.81	kW		$T_j = +12  {}^{\circ}\text{C}$	$COP_d$		4.74	<del>0/0</del>			
$T_j$ = bivalent temperature	Pdh	45.00	kW		$T_j$ = bivalent temperature	$COP_d$		3.56	<del>0/0</del>			
$T_j$ = operation limit	Pdh	45.00	kW		$T_j$ = operation limit	$COP_d$		3.56	<del>0/0</del>			
For air-to-water heat					For water-to-air heat							
pumps: $T_j = -15$ °C (if	Pdh	-	kW		pumps: $T_j = -15$ °C (if	$COP_d$		-	<del>9/o</del>			
T <sub>OL</sub> < - 20 °C)					T <sub>OL</sub> < -20 °C)							
					For water-to-air heat							
Bivalent temperature	$T_{\rm biv}$	-10	°C		pumps: Operation limit	$T_{ol}$		-10	$^{\circ}$ C			
					temperature							
Degradation co-efficient	$C_{dh}$	0.25										
heat pumps**												
Power consumption in mo	des other	than 'ac	tive mode'		Supplementary heater				_			
Off mode	Poff	0.000	kW		Electric back-up heating	elbu		0.000	) kW			
					capacity *			0.00	, 12,,,			
Thermostat-off mode	PTO	0.099	kW		Type of energy input	<b>D</b>		0.00				
Crankcase heater mode	Pck	0.036	kW	-	Standby mode	$P_{SB}$		0.091	l kW			
Other items				-	D	1						
Cit	variable				For air-to-air heat pumps:				3/1-			
Capacity control	variable				Nominal air flow rate, outdoor measured	-	-	]	m³/h			
Sound power level,				-	outdoor measured							
indoor / outdoor	I	68.0	dB		For water-/brine-to-air							
measured / Outdoor	LWA	00.0	uБ		heat pumps: Rated brine		11	١,	m³/h			
Emissions of nitrogen	-				or water flow rate,		11		111 / 11			
oxides (if applicable)	NO <sub>x</sub>	•	mg/kWh		outdoor heat exchanger							
			kg CO <sub>2eq</sub>	t								
GWP of the refrigerant	]	2088	(100years)									
	MITSU	BISHI E			ORPORATION AIR-COND	ITIONING & RE	FRIGER	ATIO	N			
Contact details					ebira, 6-Chome, Wakayama				,			
** If C <sub>d</sub> is not determined					ult degradation coefficient o							
								ne bas	is of the			
	Where information relates to multi-split heat pumps, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.											

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

Model(s): Information			odel(s) to wh	hich the infor	mation r	elates	:			
Outdoor: PQHY-P400			DEEL DEOL	DATES E	•.					
Indoor: PEFY-P71VMI					units					
Outdoor heat exchange				ine						
Indoor heat exchanger										
Type: compressor drive										
if applicable: driver of				T		C1	1		X7.1 .	TT 14
Item	•	1 Value	Unit	Item Seasonal		Sym	001		Value	Unit
Rated cooling capacity	D	45.00	kW		space				202.2	%
capacity	P <sub>rated,c</sub>	45.00	K VV	cooling efficiency	energy	$\Pi_{s,c}$			293.2	%0
Declared cooling capa	city for	nort los	nd at given	efficiency						
outdoor temperatures				Declared en	ergy eff	icienc	y ratio for	part load	at given	1
(dry/wet bulb)	1 <sub>j</sub> and	i ilidoo.	1 2//19 C	outdoor tem	perature	es T <sub>j</sub>				
$T_j = +35  ^{\circ}\text{C}$	Pdc	45.00	l <sub>k</sub> w	$T_j = +35$ °C		EER	4		4.37	<u>0/o</u>
$T_i = +30  ^{\circ}\text{C}$	Pdc	33.16		$T_i = +30  ^{\circ}\text{C}$		EER	-		6.20	<del>%</del>
$T_i = +25$ °C	Pdc	21.32	_	$T_j = +25$ °C		EER			10.76	4
$T_i = +20  ^{\circ}\text{C}$	Pdc	12.41		$T_i = +20  ^{\circ}C$		EER	-		8.80	<del>9/0</del>
-,			···	-,						1
Degradation co-			1							_
efficient air	$C_d$	0.25	-							
conditioners**	u									
Power consumption in	modes	other t	han 'active						•	
mode'										
Off mode	$P_{OFF}$	0.000	kW	Crankcase h	neater m	ode	$P_{CK}$		0.036	kW
Thermostat-off mode	$P_{TO}$	0.078	kW	Standby mo	de		$P_{SB}$		0.070	kW
Other items										
Capacity control	variabl	e								
Sound power level,	$L_{WA}$	66.0	dB	For water/b						
outdoor	LWA	00.0		conditioner	Rated	brine				
if engine driven:			mg/kWh	or water	flow	rate,	-	9	m <sup>2</sup>	3/h
Emissions of nitrogen	$NO_x$	-	fuel input	outdoor	side	heat				
oxides			GCV	exchanger						
GWP of the refrigerant		2088	kg CO <sub>2eq</sub> (100years)							
	MITSI	IRICHI		 CORPORATI	ION AII	2 CON	IDITIONIN	JG &		
Contact details				EMS WORKS					a City	
Contact details		86, Japa			5 00, 1	coma,	c chome,	,, unu y u i i	u City	
** If C <sub>d</sub> is not determin				default degrae	dation c	oeffici	ent air cond	ditioners s	hall be	0.25.
Where information rela	•			_						

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

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

manufacturer or importer.

Information to identify the model(s) to which the information relates:												
Outdoor: PQHY-P400YL												
Indoor: PEFY-P71VMHS				lH	S2-E ×1 units							
Outdoor heat exchanger o			er/brine									
Indoor heat exchanger of l												
Indication if the heater is				ry	heater: no							
if applicable: driver of cor												
	ared for	the ave	age heating	3 5	season, parameters for the	warmer and cold	ler heatin	g sea	sons are			
optional.	~											
Item	Symbol	Value	Unit		Item	Symbol		Valu	e Unit			
Rated heating capacity	P <sub>rated,h</sub>	50.00			Seasonal space heating energy efficiency	I[s,h		167.				
Declared heating capacit					Declared coefficient of per	rformance for par	t load at	given	outdoor			
temperature 20 °C and out	tdoor tem				temperatures T <sub>j</sub>							
$T_j = -7$ °C	Pdh	44.23			$T_j = -7$ °C	$COP_d$		3.92				
$T_j = +2$ °C	Pdh	26.92			$T_j = +2$ °C	$COP_d$		4.69				
$T_j = +7$ °C	Pdh	17.31	kW		$T_j = +7$ °C	$COP_d$		4.80	<del>0/0</del>			
$T_{j} = + 12  {}^{\circ}\text{C}$	Pdh	7.69	kW		$T_{j} = + 12  {}^{\circ}C$	$COP_d$		3.22	<del>0/0</del>			
$T_j$ = bivalent temperature	Pdh	50.00	kW		$T_j$ = bivalent temperature	$COP_d$		3.77	<del>9/o</del>			
$T_j$ = operation limit	Pdh	50.00	kW		$T_j$ = operation limit	$COP_d$		3.77	<del>9/o</del>			
For air-to-water heat					For water-to-air heat							
pumps: $T_j = -15$ °C (if	Pdh	-	kW		pumps: $T_j = -15$ °C (if	$COP_d$		-	<del>0/o</del>			
T <sub>OL</sub> < - 20 °C)					T <sub>OL</sub> < -20 °C)							
					For water-to-air heat							
Bivalent temperature	$T_{biv}$	-10	°C		pumps: Operation limit	$T_{ol}$		-10	°C			
					temperature							
Degradation co-efficient	$C_{dh}$	0.25	_									
heat pumps**												
Power consumption in mo	des other	than 'ac	tive mode'		Supplementary heater							
Off mode	Poff	0.000	kW		Electric back-up heating	elbu		0.00	0 kW			
					capacity *	-		0.00	0 11,,			
Thermostat-off mode	P <sub>TO</sub>	0.078			Type of energy input							
Crankcase heater mode	Pck	0.036	kW	4	Standby mode	P <sub>SB</sub>		0.07	0 kW			
Other items				4		T	1					
					For air-to-air heat pumps:							
Capacity control	variable				Nominal air flow rate,	-	-		m³/h			
			Ī	4	outdoor measured							
Sound power level,		<b>60.0</b>	ID.		For water-/brine-to-air							
indoor / outdoor	LWA	69.0	dB		heat pumps: Rated brine		10		2./1			
measured	-				or water flow rate,	-	12		m³/h			
Emissions of nitrogen	$NO_x$	-	mg/kWh		outdoor heat exchanger							
oxides (if applicable)			1 00	╁								
GWP of the refrigerant		2088	kg CO <sub>2eq</sub> (100years)									
Contact details			LECTRIC (	C	ORPORATION AIR-COND			ATIO	N			
Contact details					bira, 6-Chome, Wakayama							
					alt degradation coefficient o							
	There information relates to multi-split heat pumps, the test result and performance data may be obtained on the basis of the											
performance of the outdoo	or unit, w	ith a cor	nbination of	f iı	ndoor unit(s) recommended	by the manufactu	rer or imp	orter.				

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

	Iodel(s): Information to identify the model(s) to which the information relates : utdoor: PQRY-P400YLM-A/A1/A2											
Indoor: PEFY-P71VMI			PEEV_P50V	JMHS2_F	∨1 uni	te						
Outdoor heat exchange					^1 uiii	.13						
Indoor heat exchanger				inc								
Type: compressor drive												
if applicable: driver of												
Item		l Value		Item			Sym	bol			Value	Unit
				Seasona	S	pace						
Rated cooling	$P_{rated,c}$	45.00	kW	cooling		ergy					289.6	%
capacity				efficienc		0.						
Declared cooling capa	city for	part loa	ad at given	Daalama		off	iaiama	r. motio	fon mon	+ 100d	, t air.a	
outdoor temperatures	T <sub>j</sub> and	indoo	r 27°/19°C	Declared outdoor				y rano 1	for par	t 10au i	at givei	l
(dry/wet bulb)			_	Outdoor	temper	aturc	S 1 j					_
$T_j = +35$ °C	Pdc	45.00	kW	$T_j = +35$	°C		EER	d			4.37	<del>%</del>
$T_j = +30$ °C	Pdc	33.16	kW	$T_{j} = +30$	) °C		EER				6.20	<del>%</del>
$T_j = +25$ °C	Pdc	21.32	kW	$T_{j} = +25$	5 °C		EER	d			10.76	<del>%</del>
$T_j = +20$ °C	Pdc	12.41	kW	$T_{j} = +20$	) °C		EER	d			8.80	<del>%</del>
Degradation co-			]									
	$C_d$	0.25	-									
conditioners**												
Power consumption in mode'	modes	other t	than 'active									
Off mode	$P_{OFF}$	0.000	kW	Crankca	se heat	er m	ode	$P_{CK}$			0.036	kW
Thermostat-off mode	$P_{TO}$	0.099	kW	Standby	mode			$P_{SB}$			0.091	kW
			1									
Other items												
Capacity control	variable	e										
Sound power level,	Ţ	66.0	dB	For water	r/brine	e-to-a	air air					
outdoor	LWA [	00.0	uБ	conditio	ner: Ra	ated	brine					
if engine driven:			mg/kWh	or wat	er flo	ow	rate,	-		9	m	3/h
Emissions of nitrogen	$NO_x$	-	fuel input	outdoor	sid	le	heat					
oxides			GCV	exchang	er							
GWP of the refrigerant	2	2088	kg CO <sub>2eq</sub> (100years)									
	MITSU	BISHI	ELECTRIC (	CORPORA	ATION	AIF	R-CON	DITIO	NING	&		
Contact details	REFRI	GERAT	ION SYSTE	EMS WOR	KS 5-6	66, T	ebira,	6-Chom	ie, Wal	kayam	a City	
	640-86	86, Japa	.n									
** If Cd is not determin												
Where information rela	tes to m	ulti-spli	t air conditio	ners, the to	est resu	ılt an	d perf	ormance	data ı	may be	obtain	ed on

manufacturer or importer.

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

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

Information to identify the model(s) to which the information relates:											
Outdoor: PQRY-P400YL											
Indoor: PEFY-P71VMHS				H	S2-E ×1 units						
Outdoor heat exchanger of			er/brine								
Indoor heat exchanger of l											
Indication if the heater is				ry	heater: no						
if applicable: driver of con											
	ared for	the ave	age heating	3 9	season, parameters for the	warmer and cold	ler heatin	g sea	sons are		
optional.	~										
Item	Symbol	Value	Unit	1	Item	Symbol		Valı	ie Unit		
Rated heating capacity	P <sub>rated,h</sub>	50.00			Seasonal space heating energy efficiency	I[s,h		167.			
Declared heating capacit					Declared coefficient of per	rformance for par	t load at	given	outdoor		
temperature 20 °C and out	tdoor tem				temperatures T <sub>j</sub>						
$T_j = -7$ °C	Pdh	44.23			$T_j = -7$ °C	$COP_d$		3.92			
$T_j = +2$ °C	Pdh	26.92			$T_j = +2$ °C	$COP_d$		4.69			
$T_j = +7$ °C	Pdh	17.31	kW		$T_j = +7$ °C	$COP_d$		4.80	<del>0/0</del>		
$T_{j} = + 12  {}^{\circ}\text{C}$	Pdh	7.69	kW		$T_{j} = + 12  {}^{\circ}C$	$COP_d$		3.22	<del>0/0</del>		
$T_j$ = bivalent temperature	Pdh	50.00	kW		$T_j$ = bivalent temperature	$COP_d$		3.77	<del>9/0</del>		
$T_j$ = operation limit	Pdh	50.00	kW		$T_j$ = operation limit	$COP_d$		3.77	<del>0/0</del>		
For air-to-water heat					For water-to-air heat						
pumps: $T_j = -15$ °C (if	Pdh	-	kW		pumps: $T_j = -15$ °C (if	$COP_d$		-	<del>0/0</del>		
T <sub>OL</sub> < - 20 °C)					T <sub>OL</sub> < -20 °C)						
					For water-to-air heat						
Bivalent temperature	$T_{biv}$	-10	°C		pumps: Operation limit	$T_{ol}$		-10	°C		
					temperature						
Degradation co-efficient	$C_{dh}$	0.25	_								
heat pumps**				1							
Power consumption in mo	des other	than 'ac	tive mode'		Supplementary heater						
Off mode	Poff	0.000	kW		Electric back-up heating	elbu		0.00	0 kW		
					capacity *	-		0.00	0 11.		
Thermostat-off mode	P <sub>TO</sub>	0.099			Type of energy input	_					
Crankcase heater mode	Pck	0.036	kW	-	Standby mode	P <sub>SB</sub>		0.09	1 kW		
Other items				_		T	1				
					For air-to-air heat pumps:						
Capacity control	variable				Nominal air flow rate,	-	-		m³/h		
				4	outdoor measured						
Sound power level,		<b>60.0</b>	ID.		For water-/brine-to-air						
indoor / outdoor	LWA	69.0	dB		heat pumps: Rated brine		10		2 /1		
measured	-				or water flow rate,	-	12		m³/h		
Emissions of nitrogen	$NO_x$	-	mg/kWh		outdoor heat exchanger						
oxides (if applicable)			1 00	+							
GWP of the refrigerant		2088	kg CO <sub>2eq</sub> (100years)								
Contact details			LECTRIC (		ORPORATION AIR-COND			ATIO	N		
Contact details					bira, 6-Chome, Wakayama						
					alt degradation coefficient o						
	There information relates to multi-split heat pumps, the test result and performance data may be obtained on the basis of the										
performance of the outdoo	or unit, w	ith a cor	nbination of	fiı	ndoor unit(s) recommended	by the manufactu	rer or imp	orter.			

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

	Model(s): Information to identify the model(s) to which the information relates: Outdoor: PQHY-P450YLM-A/A1/A2										
Indoor: PEFY-P63VMI			DEEV D50V	VMHS2 E ×/	1 unite						
Outdoor heat exchange					+ umis						
Indoor heat exchanger				ine							
Type: compressor drive											
if applicable: driver of											
Item		l Value		Item		Sym	bol .		Value	Unit	
		1		Seasonal	space		001				
Rated cooling	Prated c	50.00	kW	cooling	energy				262.0	%	
capacity	racea,e			efficiency	0,	15,0					
Declared cooling capa	city for	part loa	ad at given	,	C		.: C	. 1 1			
outdoor temperatures				Declared en			y ratio foi	r part Ioad	at give	n	
(dry/wet bulb)	, and the second			outdoor ter	nperature	es 1 <sub>j</sub>					
$T_j = +35$ °C	Pdc	50.00	kW	$T_{\rm j} = +35  {}^{\circ}{\rm C}$	C	EER	d		4.31	<del>%</del>	
$T_j = +30$ °C	Pdc	36.84	kW	$T_{\rm j} = +30$ °C	С	EER	d		6.99	<del>9/0</del>	
$T_j = +25$ °C	Pdc	23.68	kW	$T_{j} = +25$ °C	С	EER	d		7.55	<del>9/0</del>	
$T_{j} = +20  {}^{\circ}\text{C}$	Pdc	12.53	kW	$T_{j} = +20  {}^{\circ}$	С	EER	d		8.13	<del>9/0</del>	
			7								
Degradation co-			1								
efficient air	$C_d$	0.25	-								
conditioners**											
Power consumption in mode'	modes	other t	han 'active								
Off mode	Poff	0.000	$\exists_{kW}$	Crankcase	heater m	ode	$P_{CK}$		0.036	kW	
Thermostat-off mode	PTO	0.000		Standby me		ouc	P <sub>SB</sub>		0.030		
Thermostat-off mode	1 10	0.001	- K * *	Standby III	ouc		1 28		0.070	KVV	
Other items											
Capacity control	variable										
Sound power level,	_			For water/l	brine-to-	air air					
outdoor	$L_{WA}$	70.0	dB	conditioner							
if engine driven:			mg/kWh	or water		rate,	_	10	l <sub>n</sub>	n³/h	
Emissions of nitrogen	NO <sub>x</sub>	-	fuel input	outdoor	side	heat					
oxides	- A		GCV	exchanger							
GWP of the refrigerant		2088	kg CO <sub>2eq</sub>	<del></del>							
GWP of the ferrigerant	1	2000	(100years)								
				CORPORAT							
Contact details				EMS WORKS	S 5-66, T	ebira,	6-Chome,	Wakayan	na City		
		86, Japa									
	If $C_d$ is not determined by measurement then the default degradation coefficient air conditioners shall be 0.25.										
Where information rela	tes to m	ulti-spli	t air conditio	ners, the test	result ar	nd perf	ormance d	lata may b	e obtair	ned on	

manufacturer or importer.

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

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

	``											
Information to identify the model(s) to which the information relates :												
Outdoor: PQHY-P450YL												
Indoor: PEFY-P63VMHS				Η	S2-E ×4 units							
Outdoor heat exchanger o			er/brine									
Indoor heat exchanger of l												
Indication if the heater is				ry	heater: no							
if applicable: driver of cor												
	ared for	the aver	age heating	3	season, parameters for the	warmer and colde	er heating	g sea	sons are			
optional.												
Item	Symbol	Value	Unit		Item	Symbol		Valu	ie Unit			
Rated heating capacity	$P_{\text{rated},h}$	56.00	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$		164.				
Declared heating capacit					Declared coefficient of per	rformance for part	load at	given	outdoor			
temperature 20 °C and out	tdoor tem				temperatures T <sub>j</sub>							
$T_j = -7$ °C	Pdh	49.54	kW		$T_j = -7$ °C	$COP_d$		3.99	<del>%</del>			
$T_j = +2$ °C	Pdh	30.15	kW		$T_j = +2$ °C	$COP_d$		4.57	<del>9/0</del>			
$T_j = +7$ °C	Pdh	19.38	kW		$T_j = +7$ °C	$COP_d$		4.69	<del>9/0</del>			
$T_{j} = +12  {}^{\circ}\text{C}$	Pdh	8.62	kW		$T_j = +12 {}^{\circ}\text{C}$	$COP_d$		3.01	<del>9/0</del>			
$T_j$ = bivalent temperature	Pdh	56.00	kW		$T_j$ = bivalent temperature	$COP_d$		3.76	<del>9/0</del>			
$T_i$ = operation limit	Pdh	56.00	kW		$T_i$ = operation limit	$COP_d$		3.76	<del>9/o</del>			
For air-to-water heat					For water-to-air heat							
pumps: $T_j = -15$ °C (if	Pdh	-	kW		pumps: $T_j = -15$ °C (if	$COP_d$		-	<del>9/o</del>			
T <sub>OL</sub> < - 20 °C)					T <sub>OL</sub> < -20 °C)							
ŕ					For water-to-air heat							
Bivalent temperature	$T_{\text{biv}}$	-10	°C		pumps: Operation limit	$T_{ol}$		-10	°C			
1					temperature							
Degradation co-efficient	C	0.25										
heat pumps**	$C_{dh}$	0.25	-									
Power consumption in mo	des other	than 'ac	tive mode'	Ī	Supplementary heater							
Off mode	D	0.000	kW		Electric back-up heating	elbu		0.00	0 kW			
Off filode	$P_{OFF}$	0.000	K VV		capacity *	eibu		0.00	UKW			
Thermostat-off mode	$P_{TO}$	0.081	kW		Type of energy input							
Crankcase heater mode	Pck	0.036	kW		Standby mode	$P_{SB}$		0.07	0 kW			
Other items												
					For air-to-air heat pumps:							
Capacity control	variable				Nominal air flow rate,	-	-		m³/h			
					outdoor measured							
Sound power level,					For water-/brine-to-air							
indoor / outdoor	$L_{WA}$	70.5	dB									
measured					heat pumps: Rated brine or water flow rate,	-	14		m³/h			
Emissions of nitrogen	NO <sub>x</sub>		mg/kWh		outdoor heat exchanger							
oxides (if applicable)	NOx	-	ilig/ K vv ii		outdoor near exchanger							
GWP of the refrigerant		2088	kg CO <sub>2eq</sub> (100years)									
C	MITSU	BISHI E		Ċ	ORPORATION AIR-COND	ITIONING & RE	FRIGER	ATIO	N			
Contact details					bira, 6-Chome, Wakayama							
	by measi	ırement	then the def	faı	alt degradation coefficient of	f heat pumps shall	be 0,25.					
	Where information relates to multi-split heat pumps, the test result and performance data may be obtained on the basis of the											
performance of the outdoo	or unit, w	ith a con	nbination of	fiı	ndoor unit(s) recommended	by the manufactur	er or imp	orter.				

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

Model(s): Information			odel(s) to wh	nich the inform	nation r	elates	:			
Outdoor: PQRY-P450Y			DEEX DEOX	DATES E	٠,					
Indoor: PEFY-P63VMI					units					
Outdoor heat exchanger				ine						
Type: compressor drive if applicable: driver of o										
Item		Value		Item		Crimi	a o 1		Volue	T Init
	_	v arue	Unit	Seasonal		Sym	001		Value	UIII
Rated cooling capacity	D .	50.00	kW	cooling	space				259.4	%
capacity	rated,c	30.00	K VV	efficiency	energy	II <sub>s,c</sub>			259.4	70
Declared cooling capa	city for	nart los	ad at given	•						
outdoor temperatures				Declared en			y ratio for	part load a	at given	l
(dry/wet bulb)	I unc	ı maco	277170	outdoor tem	perature	es T <sub>j</sub>				
$T_j = +35$ °C	Pdc	50.00	$\log kW$	$T_j = +35$ °C		EER	4		4.31	<del>0/0</del>
$T_i = +30$ °C	Pdc	36.84		$T_i = +30$ °C		EER	-		6.99	%
$T_i = +25$ °C	Pdc	23.68		$T_j = +25$ °C		EER			7.55	<del>9/0</del>
$T_i = +20$ °C	Pdc	12.53		$T_i = +20$ °C		EER	-		8.13	<del>9/0</del>
J				,						
Degradation co-			1							
efficient air	$C_d$	0.25	-							
conditioners**										
Power consumption in	modes	other t	han 'active							
mode'										
Off mode	$P_{OFF}$	0.000	kW	Crankcase h	eater m	ode	$P_{CK}$		0.036	kW
Thermostat-off mode	$P_{TO}$	0.102	kW	Standby mo	de		$P_{SB}$		0.091	kW
Other items										
Capacity control	variabl	e								
Sound power level,	Ι	70.0	dB	For water/b						
outdoor	LWA	70.0		conditioner:	Rated	brine				
if engine driven:			mg/kWh	or water	flow	rate,	-	10	m <sup>2</sup>	3/h
Emissions of nitrogen	$NO_x$	-	fuel input	outdoor	side	heat				
oxides			GCV	exchanger						
GWP of the refrigerant		2088	kg CO <sub>2eq</sub> (100years)							
	MITSI	IBISHI		 CORPORATI	ON AIE	CON	IDITIONIN	IG &		
Contact details				MS WORKS					a City	
Contact details		86, Japa			5 00, 1	coma,	chome,	,, anayam	u City	
** If C <sub>d</sub> is not determin				default degrad	lation co	peffici	ent air cond	litioners s	hall be	0.25.
Where information rela	•			_						

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

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manufacturer or importer.

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

Information to identify the	Tufamoration to identify the model/e) to outlink the information unlater .											
Information to identify the model(s) to which the information relates:  Outdoor: PQRY-P450YLM-A/A1/A2												
Indoor: PEFY-P63VMHS			FY_P50VM	ш	S2-F ×4 units							
Outdoor heat exchanger o					DZ-L A4 units							
Indoor heat exchanger of			i, ornic									
Indication if the heater is			ıpplementa	rv	heater: no							
if applicable: driver of con				- )	neuteri no							
				7	season, parameters for the	warmer and colde	er heatin	g seas	sons are			
optional.				,	, <b>,</b> , , , , , , , , , , , , , , , , ,			9				
Item	Symbol	Value	Unit		Item	Symbol		Valu	e Unit			
Rated heating capacity	P <sub>rated,h</sub>	56.00	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$		164.	) %			
Declared heating capaci	ty for pa	rt load	at indoor		Declared coefficient of per	rformance for part	load at	given	outdoor			
temperature 20 °C and our	tdoor tem	perature	$T_j$		temperatures T <sub>j</sub>	_						
$T_j = -7$ °C	Pdh	49.54	kW		$T_j = -7$ °C	$COP_d$		3.99	<del>0/0</del>			
$T_j = +2$ °C	Pdh	30.15	kW		$T_j = +2$ °C	$COP_d$		4.57	<del>0/0</del>			
$T_j = +7$ °C	Pdh	19.38	kW		$T_j = +7$ °C	$COP_d$		4.69	<del>0/0</del>			
$T_i = +12 {}^{\circ}\text{C}$	Pdh	8.62	kW		$T_i = +12  {}^{\circ}\text{C}$	$COP_d$		3.01	<del>9/0</del>			
$T_j$ = bivalent temperature	Pdh	56.00	kW		$T_j$ = bivalent temperature	$COP_d$		3.76	<del>9/0</del>			
$T_i$ = operation limit												
For air-to-water heat					For water-to-air heat							
pumps: $T_j = -15$ °C (if	Pdh	-	kW		pumps: $T_i = -15$ °C (if	$COP_d$		_	<del>9/o</del>			
T <sub>OL</sub> < - 20 °C)					T <sub>OL</sub> < -20 °C)							
,					For water-to-air heat							
Bivalent temperature	$T_{biv}$	-10	°C		pumps: Operation limit	$T_{ol}$		-10	°C			
•					temperature							
					•							
Degradation co-efficient	0	0.25										
heat pumps**	$C_{dh}$	0.25	-									
Power consumption in mo	des other	than 'ac	tive mode'		Supplementary heater							
Off mode	Poff	0.000	kW		Electric back-up heating	elbu		0.00	) kW			
Off filode	I OFF	0.000	K VV		capacity *	eibu		0.00	J KW			
Thermostat-off mode	$P_{TO}$	0.102	kW		Type of energy input							
Crankcase heater mode	Pck	0.036	kW		Standby mode	P <sub>SB</sub>		0.09	l kW			
Other items						1	,					
					For air-to-air heat pumps:							
Capacity control	variable				Nominal air flow rate,	-	-		m³/h			
					outdoor measured							
Sound power level,					For water-/brine-to-air							
indoor / outdoor	L <sub>WA</sub>	70.5	dB		heat pumps: Rated brine							
measured					or water flow rate,	-	14		m³/h			
Emissions of nitrogen	NO <sub>x</sub>		mg/kWh		outdoor heat exchanger							
oxides (if applicable)				-								
GWP of the refrigerant	1	2088	kg CO <sub>2eq</sub> (100years)									
	MITSU	BISHI E			DRPORATION AIR-COND	ITIONING & RE	FRIGER.	ATIO	N			
Contact details					ebira, 6-Chome, Wakayama			1110	,			
** If C <sub>d</sub> is not determined					ult degradation coefficient o							
								ne bas	is of the			
Where information relates to multi-split heat pumps, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.												

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

Model(s): Information Outdoor: PQHY-P5003						:			
Outdoor heat exchange					umis				
Indoor heat exchanger				inc					
Type: compressor drive									
if applicable: driver of									
Item	Symbol			Item	Sym	bol	V	alue	Unit
Rated cooling capacity	P <sub>rated,c</sub>	56.00	kW	Seasonal space cooling energy efficiency			24	19.2	%
Declared cooling capa outdoor temperatures (dry/wet bulb)				Declared energy efficient outdoor temperature		y ratio for par	t load at g	iven	l
$T_j = +35$ °C	Pdc	56.00	kW	$T_j = +35$ °C	EER	d	4.	64	<del>0/0</del>
$T_j = +30  ^{\circ}C$	Pdc	41.26	kW	$T_j = +30$ °C	EER	d		02	<del>%</del>
$T_j = +25$ °C	Pdc	26.53		$T_j = +25$ °C	EER			54	<del>%</del>
$T_j = +20  ^{\circ}C$	Pdc	12.91	kW	$T_j = +20  ^{\circ}C$	EER	d	7.	55	<del>%</del>
Degradation co- efficient air conditioners**	$C_{d}$	0.25	-						-
Power consumption in mode'	modes	other t	han 'active				•		
Off mode	$P_{OFF}$	0.000	kW	Crankcase heater mo	ode	$P_{CK}$	0.	036	kW
Thermostat-off mode	$P_{TO}$	0.081	_	Standby mode		$P_{SB}$			kW
Other items									
	variable								
Sound power level, outdoor	L <sub>WA</sub>	70.5	dB	For water/brine-to-a conditioner: Rated					
if engine driven: Emissions of nitrogen oxides	NO <sub>x</sub>	•	mg/kWh fuel input GCV	or water flow outdoor side exchanger	rate, heat	-	11	m <sup>2</sup>	<sup>3</sup> /h
GWP of the refrigerant		2088	kg CO <sub>2eq</sub> (100years)						
Contact details		GERAT 36, Japa	ION SYSTE	CORPORATION AIR EMS WORKS 5-66, To	ebira,	6-Chome, Wa	kayama C	•	
1 * * 1 ± / 1 in an at all at a sussition			4 4 1 4 1				l 1	1 1	11/15

<sup>\*\*</sup> If C<sub>d</sub> is not determined by measurement then the default degradation coefficient air conditioners shall be 0.25. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.

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

Information to identify the model(s) to which the information relates: Outdoor: PQHY-P500YLM-A/A1/A2  Indoor: PEFY-P63VMHS2-E ×8 units												
	Outdoor heat exchanger of heat pump: water/brine											
Indoor heat exchanger												
Indication if the heater				antary heater; no								
if applicable: driver of				entary neater. no								
				ating season, parameters	for the warmer	and co	ldor b	onting				
seasons are optional.	ctareu	ioi tile	average nea	illig season, parameters	ioi the warmer	and co	nuei n	Jaung				
Item	Symbo	1 Value	Unit	Item	Symbol		Value	Unit				
Rated heating	Dymoo.			Seasonal space heating	•							
Rated heating capacity	$P_{\text{rated,h}}$	63.00	kW	energy efficiency	$\eta_{s,h}$		158.8	%				
Declared heating capacitation	city for	nart loa	d at indoor	Declared coefficient of	performance for	or part le	oad at	given				
temperature 20 °C and				outdoor temperatures T <sub>i</sub>		, part	oud ut	81,011				
$T_i = -7$ °C	Pdh	55.73	, ,	$T_i = -7  ^{\circ}C$	$COP_d$		3.78	<del>%</del>				
$T_i = +2 ^{\circ}C$	Pdh	33.92		$T_i = +2  ^{\circ}C$	$COP_d$		4.40	<del>9/0</del>				
$T_i = +7 ^{\circ}C$	Pdh	21.81		$T_i = +7$ °C	$COP_d$		4.54	<del>9/0</del>				
$T_i = +12 {}^{\circ}\text{C}$	Pdh	9.69	kW	$T_{j} = +12  {}^{\circ}\text{C}$	$COP_d$		3.12	<u>%</u>				
$T_i = bivalent$	D 11		1 337	$T_i = bivalent$	COD			1,				
temperature	Pdh	63.00	kW	temperature	$COP_d$		3.60	<del>%</del>				
$T_i$ = operation limit	Pdh	63.00	kW	$T_i$ = operation limit	$COP_d$		3.60	<u>%</u>				
For air-to-water heat				For water-to-air heat				1				
pumps: $T_j = -15$ °C	Pdh	-	kW	pumps: $T_j = -15$ °C (if	$COP_d$		-	<del>0/0</del>				
(if $T_{OL}$ < - 20 °C)				$T_{OL}$ < -20 °C)								
				For water-to-air heat								
Bivalent temperature	$T_{\rm biv}$	-10	°C	pumps: Operation limit	$T_{ol}$		-10	°C				
				temperature								
Degradation co-												
efficient heat	$C_{dh}$	0.25	-									
pumps**		1	1 1 1									
Power consumption in	modes	other 1	han 'active	Supplementary heater								
mode'			٦					7				
Off mode	$P_{OFF}$	0.000	kW	Electric back-up heating capacity *	elbu		0.000	kW				
Thermostat-off mode	$P_{TO}$	0.081	1-W/	Type of energy input								
Crankcase heater				Type of energy input								
mode	$P_{CK}$	0.036	kW	Standby mode	$P_{SB}$		0.070	kW				
Other items												
Other items				For air-to-air heat								
				pumps: Nominal air								
Capacity control	variable	e		flow rate, outdoor	-	-	m	<sup>3</sup> /h				
				measured								
Sound power level,				For water-/brine-to-air								
indoor / outdoor	Lwa	72.0	dB	heat pumps: Rated								
measured				brine or water flow	_	15	m	<sup>3</sup> /h				
Emissions of nitrogen			/I XX /I	rate, outdoor heat								
oxides (if applicable)	$NO_x$	-	mg/kWh	exchanger								
GWP of the refrigerant		2088	kg CO <sub>2eq</sub>									
GWF of the ferrigerant		2000	(100years)									
				CORPORATION AIR-C								
Contact details			TION SYSTI	EMS WORKS 5-66, Tebii	ra, 6-Chome, W	akayama	a City 6	540-				
	8686, J											
				e default degradation coeff								
				s, the test result and perfo								
		tne out	aoor unit, v	with a combination of ir	aoor unit(s) re	ecomme	naea b	y the				
manufacturer or import	CI.											

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

Model(s): Information (Outdoor: PQRY-P500)						:			
Outdoor heat exchange					diffes				
Indoor heat exchanger									
Type: compressor drive									
if applicable: driver of	compress	sor: elec	tric motor						
Item	Symbol	Value	Unit	Item	Sym	bol	V	alue	Unit
Rated cooling capacity	P <sub>rated,c</sub>	56.00	kW	Seasonal space cooling energy efficiency			24	<b>17.</b> 1	%
Declared cooling capa outdoor temperatures (dry/wet bulb)				Declared energy efficient outdoor temperature		y ratio for par	t load at g	given	l
$T_j = +35$ °C	Pdc	56.00	kW	$T_j = +35$ °C	EER	d	4.	64	<del>%</del>
$T_j = +30$ °C	Pdc	41.26	kW	$T_j = +30$ °C	EER	d		02	<del>%</del>
$T_j = +25$ °C	Pdc	26.53	kW	$T_j = +25$ °C	EER	d	<u> </u>	54	<del>%</del>
$T_j = +20$ °C	Pdc	12.91	kW	$T_j = +20$ °C	EER	d	7.	55	<del>%</del>
Degradation co- efficient air conditioners**	$C_{\text{d}}$	0.25	-						-
Power consumption in mode'	modes	other t	han 'active						•
Off mode	$P_{OFF}$	0.000	kW	Crankcase heater mo	ode	$P_{CK}$	0.	036	kW
Thermostat-off mode	$P_{TO}$	0.102	kW	Standby mode		$P_{SB}$	0.	091	kW
Other items									
Capacity control	variable	<u> </u>							
Sound power level, outdoor	L <sub>WA</sub>	70.5	dB	For water/brine-to-a conditioner: Rated					
if engine driven: Emissions of nitrogen oxides	NO <sub>x</sub>	•	mg/kWh fuel input GCV	or water flow outdoor side exchanger	rate, heat	-	11	m <sup>2</sup>	<sup>3</sup> /h
GWP of the refrigerant		2088	kg CO <sub>2eq</sub> (100years)						
Contact details	REFRIO 640-868	GERAT 36, Japa	ION SYSTE	CORPORATION AIR EMS WORKS 5-66, To	ebira,	6-Chome, Wa	kayama C		
1 * * If C : 4	1 1			J-f14 J J-4:	- cc: -:	4 -: 1:4:		1 1	0.25

<sup>\*\*</sup> If C<sub>d</sub> is not determined by measurement then the default degradation coefficient air conditioners shall be 0.25. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.

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

Information to identify the model(s) to which the information relates:  Outdoor: PQRY-P500YLM-A/A1/A2 Indoor: PEFY-P63VMHS2-E ×8 units									
Outdoor: PQRY-P5003  Outdoor heat exchange				LFY-P63VMHS2-E ×8 uni	Its				
Indoor heat exchanger									
Indication if the heater				antary haatar: no					
if applicable: driver of				chary heater. no					
				ating season, parameters	for the warmer	and co	lder h	eating	
seasons are optional.	cerarea	ioi tiic	average nec	ung season, parameters	ioi the warmer	and co	raci in	Juling	
Item	Symbo	1 Value	Unit	Item	Symbol		Value	Unit	
Rated heating	-			Seasonal space heating	•				
capacity	$P_{\text{rated,h}}$	63.00	kW	energy efficiency	$\eta_{s,h}$		158.8	%	
Declared heating capac	city for	part loa	d at indoor	Declared coefficient of	performance for	or part l	oad at	given	
temperature 20 °C and				outdoor temperatures T <sub>i</sub>		•		C	
$T_i = -7$ °C	Pdh	55.73	kW	$T_i = -7  ^{\circ}C$	$COP_d$		3.78	<del>%</del>	
$T_i = +2  ^{\circ}C$	Pdh	33.92		$T_i = +2 ^{\circ}C$	$COP_d$		4.40	<del>%</del>	
$T_i = +7 ^{\circ}C$	Pdh	21.81	_	$T_i = +7 ^{\circ}C$	$COP_d$		4.54	<del>%</del>	
$T_i = +12 {}^{\circ}\text{C}$	Pdh	9.69	kW	$T_{j} = +12 {}^{\circ}\text{C}$	$COP_d$		3.12	<del>%</del>	
$T_i = bivalent$	D 11	(2.00	1 337	$T_i = bivalent$	COD		2.60	0/	
temperature	Pdh	63.00	KW	temperature	$COP_d$		3.60	<del>%</del>	
$T_i$ = operation limit	Pdh	63.00	kW	$T_i$ = operation limit	$COP_d$		3.60	<del>%</del>	
For air-to-water heat			1	For water-to-air heat				1	
pumps: $T_i = -15$ °C	Pdh	-	kW	pumps: $T_i = -15$ °C (if	$COP_d$		-	<del>0/0</del>	
$(if T_{OL} < -20  ^{\circ}C)$				$T_{OL} < -20$ °C)					
			1	For water-to-air heat					
Bivalent temperature	$T_{\text{biv}}$	-10	°C	pumps: Operation limit	$T_{ol}$		-10	°C	
_				temperature					
			1						
Degradation co-									
efficient heat	$C_{dh}$	0.25	-						
pumps**									
Power consumption in	modes	other	han 'active	Supplementary heater					
mode'			_	Supplementary neater				_	
Off mode	P <sub>OFF</sub>	0.000	kW	Electric back-up	elbu		0.000	kW	
				heating capacity *	Ciou		0.000	11.11	
Thermostat-off mode	$P_{TO}$	0.102	kW	Type of energy input					
Crankcase heater	$P_{CK}$	0.036	kW	Standby mode	$P_{SB}$		0.091	kW	
mode	- CK	0.000			2.50				
Other items					1	1			
				For air-to-air heat					
Capacity control	variable	e		pumps: Nominal air	_	-	lm	3/h	
				flow rate, outdoor					
				measured					
Sound power level,	т	<b>53</b> 0	ID.	For water-/brine-to-air					
indoor / outdoor	LWA	72.0	dB	heat pumps: Rated		1.5		2 /1.	
measured	-			brine or water flow	_	15	Im	3/h	
Emissions of nitrogen	$NO_x$	-	mg/kWh	rate, outdoor heat					
oxides (if applicable)			Ira CO	exchanger					
GWP of the refrigerant		2088	kg CO <sub>2eq</sub> (100years)						
	MITCI	трісці		CORPORATION AIR-C	 	Z 0+	l l		
Contact details							City 6	540	
Contact details	8686, J		101 8 101.	EMS WORKS 5-66, Tebii	a, o-Chome, W	akayaifi	ı City (	) <del>4</del> U-	
** If C. is not determin			nent than the	e default degradation coeff	ficient of heat m	ımne ehe	all <b>b</b> a 0	25	
				s, the test result and perfo					
				with a combination of ir					
manufacturer or import		are out	acci uiiit, V	The a comomation of II	iaooi uiii(s) IC		iiiii 0	, inc	
or import									

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

Model(s): Information to identify the model(s) to which the information relates : Outdoor: PQHY-P550YLM-A/A1/A2   Indoor: PEFY-P71VMHS2-E ×8 units											
Outdoor heat exchange						umis					
Indoor heat exchanger					<u> </u>						
Type: compressor drive											
if applicable: driver of											
Item	Symbol	Value	Unit		Item	Syml	bol		Value	Unit	
Rated cooling capacity	P <sub>rated,c</sub>	63.00	kW		Seasonal space cooling energy efficiency	$\eta_{s,c}$			272.8	%	
Declared cooling capa outdoor temperatures (dry/wet bulb)					Declared energy effi outdoor temperatures		y ratio for par	t load a	t giver	1	
$T_j = +35$ °C	Pdc	63.00	kW		$T_j = +35  ^{\circ}\text{C}$	EER	d		4.62	<del>0/0</del>	
$T_j = +30$ °C	Pdc	46.42	kW		$T_{j} = +30  {}^{\circ}\text{C}$	EER	d		6.03	<del>0/0</del>	
$T_j = +25$ °C	Pdc	29.84	kW		$T_j = +25$ °C	EER	d		10.13	<del>%</del>	
$T_j = +20  ^{\circ}C$	Pdc	13.26	kW		$T_j = +20$ °C	EER	d		6.26	<del>%</del>	
Degradation co- efficient air conditioners**	$C_{\text{d}}$	0.25	-								
Power consumption in mode'	modes	other t	han 'active								
Off mode	$P_{OFF}$	0.000	kW		Crankcase heater mo	ode	$P_{CK}$		0.045	kW	
Thermostat-off mode	$P_{TO}$	0.072	_	1 1	Standby mode		$P_{SB}$		0.061	kW	
Other items				╽┟							
Capacity control	variable			1							
Sound power level, outdoor	L <sub>WA</sub>	71.5	dB		For water/brine-to-a conditioner: Rated						
if engine driven: Emissions of nitrogen oxides	NO <sub>x</sub>	-	mg/kWh fuel input GCV		or water flow outdoor side exchanger	rate, heat	-	12	m	<sup>3</sup> /h	
GWP of the refrigerant		2088	kg CO <sub>2eq</sub> (100years)								
Contact details		GERAT 86, Japa	ION SYSTE n	EN	ORPORATION AIR  MS WORKS 5-66, Te	ebira,	6-Chome, Wa	kayama	•	0.27	

<sup>\*\*</sup> If C<sub>d</sub> is not determined by measurement then the default degradation coefficient air conditioners shall be 0.25. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.

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

Information to identify the model(s) to which the information relates: Outdoor: PQHY-P550YLM-A/A1/A2 Indoor: PEFY-P71VMHS2-E ×8 units										
				EF I -P / I V MINSZ-E ×8 uii	its					
Outdoor heat exchange Indoor heat exchanger										
Indication if the heater				antary haatary na						
		•		entary neater. no						
if applicable: driver of				otina saasan mamamatans	for the more	and as	don be			
	eciared	for the	average nea	ating season, parameters	for the warmer	and co	ider ne	aung		
seasons are optional.	C1	1 37.1	T.T*4	T4	C1 . 1		<b>X7.1</b> .	TT. 14		
Item	Symbo	i vaiue	Unit	Item	Symbol		Value	Unit		
Rated heating	$P_{rated,h}$	69.00	kW	Seasonal space heating	$\eta_{s,h}$		148.0	%		
capacity			d	energy efficiency			<u>ــــــــــــــــــــــــــــــــــــ</u>	_:		
Declared heating capacitations 20 °C and				Declared coefficient of		or part ic	oad at	given		
temperature 20 °C and				outdoor temperatures T <sub>j</sub>		Г	2.65	1.07		
$T_j = -7$ °C	Pdh	61.04		$T_j = -7$ °C	COP <sub>d</sub>		3.65	<del>%</del>		
$T_j = +2 ^{\circ}\text{C}$	Pdh	37.15		$T_j = +2$ °C	COP <sub>d</sub>	-	4.22	<del>%</del>		
$T_j = +7$ °C	Pdh	23.88		$T_j = +7$ °C	COP <sub>d</sub>	La Carte de la Car	4.06	<del>9/0</del>		
$T_j = +12 ^{\circ}\text{C}$	Pdh	10.72	KW	$T_j = +12 ^{\circ}\text{C}$	$COP_d$	-	2.86	<del>0/0</del>		
$T_j = bivalent$	Pdh	69.00	kW	$T_j = bivalent$	$COP_d$		3.34	<del>%</del>		
temperature				temperature		ļ.				
$T_j$ = operation limit	Pdh	69.00	kW	$T_j$ = operation limit	$COP_d$	-	3.34	<del>%</del>		
For air-to-water heat	~			For water-to-air heat	~~~					
pumps: $T_j = -15$ °C	Pdh	-	kW	pumps: $T_j = -15$ °C (if	$COP_d$		-	<del>0/0</del>		
$(if T_{OL} < -20  ^{\circ}C)$			4	$T_{OL}$ < -20 °C)						
	_			For water-to-air heat	_					
Bivalent temperature	$T_{\rm biv}$	-10	°C	pumps: Operation limit	$T_{ol}$		-10	°C		
			4	temperature		-				
			_			_				
Degradation co-										
efficient heat	$C_{dh}$	0.25	-							
pumps**			1							
Power consumption in	modes	other	than 'active	Supplementary heater						
mode'			_	11		F		7		
Off mode	$P_{OFF}$	0.000	kW	Electric back-up	elbu		0.000	kW		
				heating capacity *	Clou		0.000	11.11		
	$P_{TO}$	0.072	kW	Type of energy input						
Crankcase heater	$P_{CK}$	0.045	kW	Standby mode	$P_{SB}$		0.061	kW		
mode	1 CK	0.045	KVV	Standby mode	1 20		0.001	IX VV		
Other items										
				For air-to-air heat						
Capacity control	variable	0		pumps: Nominal air			m	3/h		
Capacity control	variable	E		flow rate, outdoor	-	-	111	711		
				measured						
Sound power level,				For water-/brine-to-air						
indoor / outdoor	$L_{WA}$	72.0	dB	heat pumps: Rated						
measured				brine or water flow	_	17	m <sup>2</sup>	3/h		
Emissions of nitrogen	NO		/1.3371	rate, outdoor heat						
oxides (if applicable)	$NO_x$	-	mg/kWh	exchanger						
***		••••	kg CO <sub>2eq</sub>							
GWP of the refrigerant		2088	(100years)							
	MITSU	BISHI	` ,	CORPORATION AIR-C	ONDITIONING	i &				
Contact details				EMS WORKS 5-66, Tebii			City 6	40-		
	8686, J			,		,	, ,			
** If C <sub>d</sub> is not determin			nent then the	e default degradation coeff	ricient of heat pu	ımps sha	11 be 0	,25.		
				s, the test result and perfo						
				with a combination of ir						
manufacturer or import										

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

Model(s): Information						:		
Outdoor: PQRY-P550Y Outdoor heat exchange					umits			
Indoor heat exchanger				inc				
Type: compressor drive								
if applicable: driver of								
Item	Symbol			Item	Sym	bol	Valı	ue Unit
Rated cooling capacity	P <sub>rated,c</sub>	63.00	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$		270	.6 %
Declared cooling capa outdoor temperatures (dry/wet bulb)				Declared energy efficient outdoor temperatures		y ratio for pai	t load at giv	en en
$T_j = +35$ °C	Pdc	63.00	kW	$T_j = +35$ °C	EER	d	4.62	2 %
$T_j = +30$ °C	Pdc	46.42	kW	$T_{\rm j} = +30 {\rm ^{o}C}$	EER	d	6.03	<del>%</del>
$T_j = +25$ °C	Pdc	29.84	kW	$T_j = +25$ °C	EER	d	10.1	3 %
$T_j = +20  ^{\circ}C$	Pdc	13.26	kW	$T_j = +20$ °C	EER,	d	6.26	<del>%</del>
			_					_
Degradation co-	C	0.25						
efficient air conditioners**	$C_d$	0.25	-					
Power consumption in	modes	other t	han 'active					
mode'	i inodes	ouici (	man active					
Off mode	$P_{OFF}$	0.000	kW	Crankcase heater mo	ode	$P_{CK}$	0.04	15 kW
Thermostat-off mode	$P_{TO}$	0.093	-	Standby mode		$P_{SB}$		32 kW
				•				
Other items								
Capacity control	variable	•						
Sound power level, outdoor	L <sub>WA</sub>	71.5	dB	For water/brine-to-a conditioner: Rated				
if engine driven:			mg/kWh	or water flow	rate,	-	12	m³/h
Emissions of nitrogen	NO <sub>x</sub>	-	fuel input	outdoor side	heat			
oxides			GCV	exchanger				
GWP of the refrigerant		2088	kg CO <sub>2eq</sub> (100years)					
				CORPORATION AIR				
Contact details				EMS WORKS 5-66, Te	ebira,	6-Chome, Wa	kayama Cit	y
	640-868	36, Japa	n		221 1			

<sup>\*\*</sup> If C<sub>d</sub> is not determined by measurement then the default degradation coefficient air conditioners shall be 0.25. Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.

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

Information to identify the model(s) to which the information relates: Outdoor: PQRY-P550YLM-A/A1/A2 Indoor: PEFY-P71VMHS2-E ×8 units											
Outdoor heat exchange				EF I-P/I VMIIISZ-E ×8 uiii	its						
Indoor heat exchanger											
Indication if the heater				entary heater: no							
if applicable: driver of				chary heater. no							
				ating season, parameters	for the warmer	r and co	lder h	eating			
seasons are optional.	cerarea	ioi tiic	average net	iting season, parameters	ioi the warmer	and co	raci ii	Juling			
Item	Symbo	1 Value	Unit	Item	Symbol		Value	Unit			
Rated heating	-			Seasonal space heating	•						
capacity	$P_{rated,h}$	69.00	kW	energy efficiency	$\eta_{s,h}$		148.0	%			
Declared heating capac	city for	nart loa	d at indoor	Declared coefficient of	performance for	or part l	oad at	given			
temperature 20 °C and				outdoor temperatures T <sub>i</sub>		F		8			
$T_i = -7$ °C	Pdh	61.04		$T_i = -7  ^{\circ}C$	$COP_d$		3.65	<del>%</del>			
$T_i = +2 ^{\circ}C$	Pdh	37.15		$T_i = +2  ^{\circ}C$	$COP_d$		4.22	<del>9/0</del>			
$T_i = +7 ^{\circ}C$	Pdh	23.88	_	$T_i = +7$ °C	$COP_d$		4.06	<del>9/0</del>			
$T_i = +12  ^{\circ}C$	Pdh	10.72		$T_j = +12  ^{\circ}C$	$COP_d$		2.86	<del>9/0</del>			
$T_i = bivalent$				$T_i = bivalent$				1			
temperature	Pdh	69.00	kW	temperature	$COP_d$		3.34	<del>%</del>			
$T_i = $ operation limit	Pdh	69.00	kW	$T_i = $ operation limit	$COP_d$		3.34	<del>%</del>			
For air-to-water heat		0,000	1	For water-to-air heat				1 .			
pumps: $T_i = -15$ °C	Pdh	-	kW	pumps: $T_i = -15$ °C (if			_	<u>%</u>			
$(if T_{OL} < -20  ^{\circ}C)$				$T_{OL} < -20$ °C)							
,			1	For water-to-air heat				1			
Bivalent temperature	$T_{\rm biv}$	-10	°C	pumps: Operation limit	$T_{ol}$		-10	°C			
•				temperature							
			1					1			
Degradation co-			1					1			
efficient heat	$C_{dh}$	0.25	-								
pumps**											
Power consumption in	modes	other t	han 'active	Supplementary heater							
mode'			_	Supplementary neater				_			
Off mode	P <sub>OFF</sub>	0.000	₽W	Electric back-up	elbu		0.000	ьw			
				heating capacity *	Clou		0.000	K VV			
Thermostat-off mode	$P_{TO}$	0.093	kW	Type of energy input							
Crankcase heater	$P_{CK}$	0.045	kW	Standby mode	$P_{SB}$		0.082	kW			
mode	1 CK	0.045	KW	Standby mode	1 20		0.002	K VV			
Other items							•				
				For air-to-air heat							
Capacity control	variable	e.		pumps: Nominal air	_	l_	m	<sup>3</sup> /h			
capacity control	Variable			flow rate, outdoor			111	, 11			
				measured							
Sound power level,	_			For water-/brine-to-air							
indoor / outdoor	$L_{WA}$	72.0	dB	heat pumps: Rated							
measured				brine or water flow		17	m	<sup>3</sup> /h			
Emissions of nitrogen	$NO_x$	_	mg/kWh	rate, outdoor heat							
oxides (if applicable)				exchanger							
GWP of the refrigerant		2088	kg CO <sub>2eq</sub>								
	MITTEL	DIGIII	(100years)	CORPOR ATTION AID C		7.0					
C				CORPORATION AIR-C			. O'	C 4 O			
Contact details REFRIGERATION SYSTEMS WORKS 5-66, Tebira, 6-Chome, Wakayama City 640-8686, Japan											
** If C. is not data==:			nant than the	e default degradation coeff	ficient of best	umpa al-	all ba 0	25			
				e default degradation coeff es, the test result and perfo							
				with a combination of ir							
manufacturer or import		ane out	aooi uiiit, \	wiai a comomation of II	idoor unit(s) It		naca U	y the			
minutation of import											

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

Model(s): Information t			odel(s) to w	hich the infor	mation r	elates	:			
Outdoor: PQHY-P600Y			DEEL DOOR		•.					
Indoor: PEFY-P71VMI					units					
Outdoor heat exchanger				ine						
Indoor heat exchanger of										
Type: compressor drive										
if applicable: driver of o	_									<del></del>
Item	Symbo	1 Value	Unit	Item		Sym	bol		Value	Unit
Rated cooling		50.00		Seasonal	space					
capacity	$P_{\text{rated,c}}$	69.00	kW	cooling	energy	$\eta_{s,c}$			272.8	%
			1	efficiency						
Declared cooling capaci				Declared er	nergy eff	icienc	v ratio for	r part load	at giver	1
outdoor temperatures	$T_j$ and	i indoo:	r 27°/19°C	outdoor ten			,	. F	B	
(dry/wet bulb)			ا ۔ ۔ ۔ ۔ ا		•	,				1
$T_j = +35$ °C	Pdc	69.00		$T_j = +35$ °C		EER	-		4.15	<del>%</del>
$T_j = +\ 30\ ^{o}C$	Pdc	50.84	_	$T_{\rm j} = +30{\rm °C}$		EER			5.44	<del>%</del>
$T_j = +25$ °C	Pdc	32.68	_	$T_{\rm j} = +25$ °C		EER			10.74	-1
$T_j = +\ 20\ ^{\circ}C$	Pdc	14.53	kW	$T_{\rm j} = +20  {\rm °C}$		EER	d		6.55	<del>%</del>
Degradation co-										
efficient air	$C_d$	0.25	-							
conditioners**										
Power consumption in mode'	modes	other t	han 'active							
Off mode	Poff	0.000	1,337	Crankcase 1	nootor m	odo	D		0.045	1-337
	0.1	0.000	_			oue	P <sub>CK</sub>		0.045	
Thermostat-off mode	$P_{\text{TO}}$	0.072	kW	Standby mo	oae		$P_{SB}$		0.061	KW
0.1										
Other items							1			
Capacity control	variabl	e		E						
Sound power level,	$L_{WA}$	73.0	dB	For water/b						
outdoor			/1 ** *1	conditioner				1.4		2./1
if engine driven:			mg/kWh	or water	flow	rate,	-	14	m	3/h
Emissions of nitrogen	$NO_x$	-	fuel input	outdoor	side	heat				
oxides			GCV	exchanger						
GWP of the refrigerant		2088	kg CO <sub>2eq</sub> (100years)							
	MITSI	IRICHI		CORPORAT	ION AII	2 CON	IDITIONI	NG &		
Contact details				EMS WORKS					a City	
Contact uctaris		86, Japa		ENIO WOKKS	J-00, I	cona,	o-Chome,	vv akayalli	a City	
** If C <sub>d</sub> is not determin				default deem	dation	ooffic:	ont oir oor	ditioners s	hall be	0.25
Where information rela	tes to m	uiu-spii	i air conditio	mers, me test	resuit an	iu peri	ormance c	iaia may be	z obtain	eu on

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

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

Information to identify the model(s) to which the information relates:												
Outdoor: PQHY-P600YL												
Indoor: PEFY-P71VMHS				H	S2-E ×4 units							
Outdoor heat exchanger o			er/brine									
Indoor heat exchanger of l												
Indication if the heater is				ry	heater: no							
if applicable: driver of con												
	ared for	the aver	age heating	3	season, parameters for the	warmer and cold	er heating	g sea	sons are			
optional.												
Item	Symbol	Value	Unit		Item	Symbol		Valu	e Unit			
Rated heating capacity	$P_{\text{rated},h}$	76.50	kW		Seasonal space heating energy efficiency	$\eta_{s,h}$		137.				
Declared heating capaci					Declared coefficient of per	rformance for part	load at	given	outdoor			
temperature 20 °C and our	tdoor tem				temperatures T <sub>j</sub>							
$T_j = -7$ °C	Pdh	67.67	-1		$T_j = -7$ °C	$COP_d$		3.90	<del>%</del>			
$T_j = +2$ °C	Pdh	41.19			$T_j = +2$ °C	$COP_d$		4.41	<del>0/0</del>			
$T_j = +7$ °C	Pdh	26.48	kW		$T_j = +7$ °C	$COP_d$		2.84	<del>%</del>			
$T_{j} = +12  {}^{\circ}\text{C}$	Pdh	11.77	kW		$T_{j} = + 12  {}^{\circ}\text{C}$	$COP_d$		2.93	<del>%</del>			
$T_j$ = bivalent temperature	Pdh	76.50	kW		$T_j$ = bivalent temperature	$COP_d$		3.57	<del>%</del>			
$T_j$ = operation limit	Pdh	76.50	kW		$T_j = operation limit$	$COP_d$		3.57	<del>0/0</del>			
For air-to-water heat					For water-to-air heat							
pumps: $T_j = -15$ °C (if	Pdh	-	kW		pumps: $T_j = -15$ °C (if	$COP_d$		-	<del>%</del>			
T <sub>OL</sub> < - 20 °C)					T <sub>OL</sub> < -20 °C)							
					For water-to-air heat							
Bivalent temperature	$T_{\rm biv}$	-10	°C		pumps: Operation limit	$T_{ol}$		-10	°C			
					temperature							
Degradation co-efficient	$C_{dh}$	0.25										
heat pumps**												
Power consumption in mo	des other	than 'ac	tive mode'		Supplementary heater							
Off mode	$P_{OFF}$	0.000	kW		Electric back-up heating	elbu		0.00	0 kW			
	1 011				capacity *	CIBU		0.00	U KW			
Thermostat-off mode	$P_{TO}$	0.072	kW		Type of energy input							
Crankcase heater mode	Pck	0.045	kW	1	Standby mode	$P_{SB}$		0.06	1 kW			
Other items				1		T						
					For air-to-air heat pumps:							
Capacity control	variable				Nominal air flow rate,	-	-		m³/h			
				1	outdoor measured							
Sound power level,	-				For water-/brine-to-air							
indoor / outdoor	$L_{WA}$	73.5	dB		heat pumps: Rated brine							
measured	-				or water flow rate,	-	18		m³/h			
Emissions of nitrogen	$NO_x$	_	mg/kWh		outdoor heat exchanger							
oxides (if applicable)				1								
GWP of the refrigerant		2088	kg CO <sub>2eq</sub> (100years)									
Contact details	MITSU	BISHI E		CO	ORPORATION AIR-COND	ITIONING & RE	FRIGER	ATIO	N			
Contact details					bira, 6-Chome, Wakayama							
** If C <sub>d</sub> is not determined					alt degradation coefficient of							
	Where information relates to multi-split heat pumps, the test result and performance data may be obtained on the basis of the											
performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.												

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

Model(s): Information to identify the model(s) to which the information relates : Dutdoor: PQRY-P600YLM-A/A1/A2										
Indoor: PEFY-P71VM			PEFY-P80V	VMHS2-E ×4	units					
Outdoor heat exchanger										
Indoor heat exchanger of										
Type: compressor drive										
if applicable: driver of o										
Item	Symbol			Item		Syml	bol		Value	Unit
Rated cooling capacity	P <sub>rated,c</sub>	69.00	kW	Seasonal cooling efficiency	space energy				270.8	%
Declared cooling capac outdoor temperatures (dry/wet bulb)		indoo	r 27°/19°C	Declared en outdoor tem			y ratio for pa	_		_
$T_j = +35$ °C	Pdc	69.00	_	$T_j = +35$ °C		EER	d	l-	4.15	<del>%</del>
$T_j = +30$ °C	Pdc	50.84		$T_{j} = +30  {}^{\circ}\text{C}$		EER	-	L-	5.44	<del>%</del>
$T_j = +25$ °C	Pdc	32.68		$T_j = +25$ °C		EER		L	10.74	
$T_j = +20$ °C	Pdc	14.53	kW	$T_j = +20$ °C	,	EER	d	<b> </b>	6.55	<del>%</del>
Degradation coefficient air conditioners**	$C_{d}$	0.25	-							
Power consumption in mode'	modes	other t	han 'active							
Off mode	Poff	0.000	$\exists_{kW}$	Crankcase h	eater m	ode	$P_{CK}$		0.045	kW
Thermostat-off mode	P <sub>TO</sub>	0.093		Standby mo		ode	P <sub>SB</sub>		0.082	
Other items										
Capacity control	variable									
outdoor	L <sub>WA</sub>	73.0	dB	For water/br	Rated	brine				
if engine driven:			mg/kWh	or water	flow	rate,	-	14	m <sup>2</sup>	3/h
Emissions of nitrogen	$NO_x$	•	fuel input	outdoor	side	heat				
oxides			GCV	exchanger				_	-	
GWP of the refrigerant		2088	kg CO <sub>2eq</sub> (100years)							
				CORPORATI						
Contact details				EMS WORKS	5-66, T	ebira,	6-Chome, W	akayama	ι City	
shall IC C	640-868			1.6.1.1	1 .*		11.	. 1	11.1	0.05
	If $C_d$ is not determined by measurement then the default degradation coefficient air conditioners shall be 0.25. here information relates to multi-split air conditioners, the test result and performance data may be obtained on									
Where information rela	tes to mi	altı-splii	t air conditio	ners, the test r	esult an	a perfe	ormance data	i may be	obtain	ed 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

	Information to identify the model(s) to which the information relates:												
Outdoor: PQRY-P600YL													
Indoor: PEFY-P71VMHS				H	S2-E ×4 units								
Outdoor heat exchanger o			er/brine										
Indoor heat exchanger of l													
Indication if the heater is				ry	heater: no								
if applicable: driver of con													
	ared for	the ave	age heating	3 9	season, parameters for the	warmer and cold	ler heatin	g sea	sons are				
optional.	~												
Item	Symbol	Value	Unit	1	Item	Symbol		Valı	ie Unit				
Rated heating capacity	P <sub>rated,h</sub>	76.50	kW		Seasonal space heating energy efficiency	I[s,h		137.					
Declared heating capacit					Declared coefficient of per	rformance for par	t load at	given	outdoor				
temperature 20 °C and out					temperatures T <sub>j</sub>								
$T_j = -7$ °C	Pdh	67.67			$T_j = -7$ °C	$COP_d$		3.90					
$T_j = + 2  ^{\circ}C$	Pdh	41.19			$T_j = + 2  ^{\circ}C$	$COP_d$		4.41					
$T_j = +7$ °C	Pdh	26.48			$T_j = +7$ °C	$COP_d$		2.84					
$T_j = +12 {}^{\circ}\text{C}$	Pdh	11.77	kW		$T_j = +12  {}^{\circ}\text{C}$	$COP_d$		2.93					
$T_j$ = bivalent temperature	Pdh	76.50	kW		$T_j$ = bivalent temperature	$COP_d$		3.57	<del>0/0</del>				
$T_j$ = operation limit	Pdh	76.50	kW		$T_j$ = operation limit	$COP_d$		3.57	<del>0/0</del>				
For air-to-water heat					For water-to-air heat								
pumps: $T_j = -15$ °C (if	Pdh	-	kW		pumps: $T_j = -15$ °C (if	$COP_d$		-	<del>0/0</del>				
T <sub>OL</sub> < - 20 °C)					T <sub>OL</sub> < -20 °C)								
					For water-to-air heat								
Bivalent temperature	$T_{\rm biv}$	-10	°C		pumps: Operation limit	$T_{ol}$		-10	°C				
					temperature								
Degradation co-efficient	$C_{dh}$	0.25	_										
heat pumps**				1									
Power consumption in mo	des other	than 'ac	tive mode'		Supplementary heater								
Off mode	$P_{OFF}$	0.000	kW		Electric back-up heating	elbu		0.00	0 kW				
			1		capacity *	-		0.00	0 11 11				
Thermostat-off mode	Рто	0.093			Type of energy input								
Crankcase heater mode	Pck	0.045	kW	4	Standby mode	P <sub>SB</sub>		0.08	2 kW				
Other items				1		ı	1						
					For air-to-air heat pumps:								
Capacity control	variable				Nominal air flow rate,	-	-		m³/h				
				4	outdoor measured								
Sound power level,			ID.		For water-/brine-to-air								
indoor / outdoor	LWA	73.5	dB		heat pumps: Rated brine		10		2.0				
measured	-				or water flow rate,	-	18		m³/h				
Emissions of nitrogen	NO <sub>x</sub>		mg/kWh		outdoor heat exchanger								
oxides (if applicable)				+									
GWP of the refrigerant		2088	kg CO <sub>2eq</sub> (100years)										
Contact details					ORPORATION AIR-COND			ATIO	N				
					bira, 6-Chome, Wakayama								
					ılt degradation coefficient o				_				
	Where information relates to multi-split heat pumps, the test result and performance data may be obtained on the basis of the erformance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.												
performance of the outdoo	or unit, w	ith a cor	nbination of	fiı	ndoor unit(s) recommended	by the manufactu	rer or imp	orter.					

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

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