PRODUCT INFORMATION

PUHY-P* * *YKA.TH (-BS)

For Europe Regulation

Model(s): Information to identify the model(s) to which the information relates : Outdoor: PUHY-P200YKA.TH (-BS) Indoor: PEFY-P50VMHS2-E×4 units										
Outdoor heat exchanger				IIIdooi . FEF 1-F30 VMHS2-E×4 uiiits						
Indoor heat exchanger of										
Type: compressor drive										
if applicable: driver of c										
Item	Symbol			Item Symbol Value	Unit					
TIOTH .	Bylliooi	Turue		Seasonal space	Cint					
Rated cooling capacity	$P_{\text{rated,c}}$	22.40	kW	cooling energy	%					
Declared cooling capac outdoor temperatures (dry/wet bulb)			_	Declared energy efficiency ratio or gas utilization efficiency auxiliary energy factor for part load at given out temperatures T_i						
$T_j = +35$ °C	Pdc	22.40	kW	$T_j = +35 ^{\circ}\text{C}$ EER _d 5.03	0/0					
$T_{j} = +30 {}^{\circ}\text{C}$	Pdc	16.51	kW		0/0					
$T_j = +25$ °C	Pdc	10.62	kW	$T_i = +25 ^{\circ}\text{C}$ EER _d 10.33	0/0					
$T_j = +20$ °C	Pdc	6.96	kW	$T_{\rm j} = +20 {\rm ^{\circ}C}$ EER _d 8.73	0/0					
Degradation co- efficient air conditioners**		0.25	-							
Power consumption in mode'	modes o	other th	an 'active							
Off mode	P_{OFF}	0.000	kW	Crankcase heater mode P _{CK} 0.032	kW					
Thermostat-off mode	P_{TO}	0.076	kW	Standby mode P _{SB} 0.070	kW					
Other items			ı							
Capacity control	variable	,		For air-to-air air conditioner: Nominal air flow rate, outdoor measured To air-to-air air air air air air air air air air	/h					
Sound power level, outdoor	L _{WA}	77.0	dB							
if engine driven: Emissions of nitrogen oxides	NO _x	-	mg/kWh fuel input GCV							
GWP of the refrigerant		2088	$\begin{array}{c} \text{kg CO}_{2\text{eq}} \\ \text{(100} \\ \text{years)} \end{array}$							
Contact details	Amata Muang,	Nakorn Chonbi	Industria ıri 20000,		•					
Where information rela	Muang, Chonburi 20000, Thailand ** 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									

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

Information to identify Outdoor: PUH				inform)VMHS2-E×4 u	nite			
Outdoor heat exchange					IIIdooi . FEI	1-130	7 V IVII 132-E×4 u	ints			
Indoor heat exchanger											
Indication if the heater				nentary	heater: no						
Parameters shall be de						meters	for the warme	er and c	older 1	heating	
	seasons are optional.										
Item	Symbo	l Value	Unit	Item			Symbol		Value	Unit	
Rated heating capacity	$P_{\text{rated},h}$	22.40	kW	energ	onal space h gy efficiency		I [s,h		161.8		
Declared heating capac temperature 20 °C and				effic	iency / auxi	liary e	of performance energy factor fo				
			_		oor temperatu	ıres T _j	COD			٦.,	
$T_j = -7$ °C	Pdh	19.73			- 7 °C		COP _d		2.86	%	
$T_j = +2 ^{\circ}C$	Pdh	12.11	_		+ 2 °C		COP_d		3.88	%	
$T_j = +7$ °C	Pdh	7.69	kW		+ 7 °C		COP_d		5.38	%	
$T_j = +12 ^{\circ}C$	Pdh	5.68	kW		+ 12 °C		COP_d		7.09	%	
$T_j = bivalent$	Pdh	21.71	kW		bivalent		COP_d		2.54	0/0	
temperature					erature						
T_j = operation limit For air-to-water heat	Pdh	15.88	kW		operation lim water-to-air		COP_d		1.84	%	
pumps: $T_i = -15$ °C (if	Ddh	_	kW		ps: $T_i = -15$		COP.			<u>0/o</u>	
$T_{OL} < -20 ^{\circ}\text{C}$	I GII		I K VV	T _{OL} ·	< -20°C)		COId		_	70	
					water-to-air						
Bivalent temperature	T_{biv}	-9.2	°C		ps: Operation	ı limit	T_{ol}		-	°C	
			_	temp	erature						
D 1.2			-							-	
Degradation co-	C_{dh}	0.25	-								
efficient heat pumps**		.1 .1	1								
Power consumption in mode'	modes	otner tn	an active	Supp	lementary he	eater					
mode			7 l	Elec	trio ho	ock up				7	
Off mode	P_{OFF}	0.000	kW		ng capacity *	ick-up	elbu		0.000	kW	
Thermostat-off mode	P_{TO}	0.076	kW		of energy in					1	
Crankcase heater	D	0.022	1 337	• •			D		0.070	1 337	
mode	P_{CK}	0.032	KW	Stan	dby mode		P_{SB}		0.070	KW	
Other items			•								
				For	air-to-air	heat					
Capacity control	variabl	0		pum	ps: Nomina	ıl air		10500	n	1 ³ /h	
Capacity control	Variabi	le		flow	rate, or	utdoor	-	10500	11	19/11	
				meas	sured						
Sound power level,											
indoor / outdoor	L_{WA}	77.0	dB	E		4:					
measured					water-/brine						
Environment Contraction	NO		/1 ****1	heat brine		Rated				1 ³ /h	
Emissions of nitrogen	NO_x	-	mg/kWh				-	-	111	19/11	
oxides (if applicable)	ŀ		kg CO _{2 eq}	rate,	anger	heat					
GWP of the refrigerant		2088	(100	EXCII	anger						
GWI of the leftigerant			years)								
	MITSU	JBISHI	ELECTRI	C CON	SUMER PR	ODUC	TS (THAILANI	O) CO., I	LTD.		
Contact details	Amata	Nakori	n Industria	l Esta	te, 700/406	Moo ´	7, Tambon Dor	Hua F	Roh, A	mphur	
			uri 20000,								
** If C _d is not determin	ed by m	neasuren	nent then th	ne defa	ult degradatio						
Where information rela											
basis of the performa		the out	door unit,	with	a combination	on of	indoor unit(s) 1	recomme	ended	by the	
manufacturer or import	er.										

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⁽¹⁾ This information is based on COMMISSION REGULATION(EU)2016/228

Model(s): Information to identify the model(s) to which the information relates : Outdoor: PUHY-P250YKA.TH (-BS) Indoor: PEFY-P63VMHS2-E×4 units											
Outdoor heat exchanger				Indoor : I Er 1	1 03 VIVII DZ EXTUR	113					
Indoor heat exchanger of											
Type: compressor drive											
if applicable: driver of o											
Item	Symbol			Item	Symbol	Va	lue Unit				
Item	byillooi	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Omt	Seasonal space		, v a	ide Oint				
Rated cooling capacity	$P_{\text{rated,c}}$	28.00	kW	cooling energy		283	8.2 %				
Declared cooling capac	city for p	art load	at given	Declared energy ef	ficiency ratio or gas u	tilization e	fficiency /				
outdoor temperatures (dry/wet bulb)					factor for part load						
$T_j = +35 ^{\circ}\text{C}$	Pdc	28.00	kW	$T_j = +35 ^{\circ}\text{C}$	EER_d	4.6	2 %				
$T_j = +30$ °C	Pdc	20.64	_	$T_j = +30$ °C	EER _d	6.1					
$T_j = +25$ °C	Pdc	13.28	_	$T_i = +25 ^{\circ}\text{C}$	EER _d	9.1					
$T_i = +20 ^{\circ}\text{C}$	Pdc	6.77	kW	$T_i = +20 ^{\circ}\text{C}$	EER _d		10 %				
11 - 120 C	1 de	0.77	1 1	11 - 1 20 C	DERU	11.	70				
Degradation co- efficient air conditioners**		0.25	-								
Power consumption in mode'	modes o	other th	an 'active								
Off mode	P_{OFF}	0.000	kW	Crankcase heater m	node P _{CK}	0.0	32 kW				
Thermostat-off mode	P_{TO}	0.076	kW	Standby mode	P_{SB}	0.0	70 kW				
Other items		1	1								
Capacity control	variable	;		For air-to-air conditioner: Nomi flow rate, comeasured	air nal air outdoor	10500	m³/h				
Sound power level, outdoor	L _{WA}	78.0	dB								
if engine driven: Emissions of nitrogen oxides	NO _x	-	mg/kWh fuel input GCV								
GWP of the refrigerant	2	2088	kg CO _{2 eq} (100 years)								
Contact details	Amata Muang,	Nakorn Chonbi	Industrial ıri 20000, '	Estate, 700/406 M Fhailand	DUCTS (THAILAND foo 7, Tambon Don	Hua Roh,	Amphur				
** If C _d is not determine				_							
Where information rela	tes to mu	ılti-split	air condit	oners, the test result	and performance data	a may be of	tained on				
the basis of the perfor	mance o	f the o	itdoor uni	t with a combination	n of indoor unit(s) r	ecommend	ed by the				

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

Information to identify				in		VMIICO E. A	.:4		
Outdoor: PUH					Indoor : PEFY-P63	VMHS2-E×4 un	iits		
Outdoor heat exchanger									
Indoor heat exchanger of				***	ntom: hootom no				
Indication if the heater					•	for the man	and as	ldon h	aatina
	eciared i	or the	average ne	iea	ting season, parameters	for the warmer	and co	naer n	eating
seasons are optional. Item	Cumbo	l Value	Unit		Item	Symbol		Volue	Unit
nem	Symbo	value	Unit		Seasonal space heating	Symbol		varue	Unit
Rated heating capacity	$P_{\text{rated},h}$	28.00	kW		energy efficiency	$\eta_{s,h}$		151.8	%
				7 F	Declared coefficient of	of performance	or gas	s utili	zation
Declared heating capac					efficiency / auxiliary e				
temperature 20 °C and	outdoor	tempera	ture T _j		outdoor temperatures T _i	. 6,	1		6
$T_i = -7$ °C	Pdh	23.66	kW		$T_j = -7 ^{\circ}C$	COP_d		2.61	0/o
$T_i = +2 ^{\circ}C$	Pdh	15.13			$T_i = +2 ^{\circ}C$	COP_d		3.58	%
$T_i = +7 ^{\circ}C$	Pdh		kW		$T_i = +7 ^{\circ}\text{C}$	COP_d		5.29	%
$T_{i} = +12 {}^{\circ}\text{C}$	Pdh	5.91	kW		$T_j^{\prime} = + 12 ^{\circ}\text{C}$	COP_d		7.10	%
T_i = bivalent	D 11		1 ***		$T_i = bivalent$				
temperature	Pdh	24.34	kW		temperature	COP_d		2.73	%
$T_i = $ operation limit	Pdh	16.89	kW		$T_i = $ operation limit	COP_d		1.85	%
For air-to-water heat					For water-to-air heat	_			
pumps: $T_i = -15$ °C (if	Pdh	-	kW		pumps: $T_i = -15$ °C (if	COP_d		-	%
$T_{OL} < -20$ °C)					T_{OL} < -20 °C)				
					For water-to-air heat				
Bivalent temperature	$T_{\rm biv}$	-6.6	°C		pumps: Operation limit	T_{ol}		-	°C
					temperature				
Degradation co-	C	0.25							
efficient heat pumps**	C_{dh}	0.25	_						
Power consumption in	modes of	other th	an 'active	:	Supplementary heater				
mode'			_						_
Off mode	P_{OFF}	0.000	kW		Electric back-up	elbu		0.000	kW
					heating capacity *			0.000	11 11
Thermostat-off mode	P_{TO}	0.076	KW		Type of energy input				
Crankcase heater	P_{CK}	0.032	kW		Standby mode	P_{SB}		0.070	kW
mode Other items				╛┞	-				
Other items				- 1	East aist aist boot				
					For air-to-air heat pumps: Nominal air				
Capacity control	variable	e			pumps: Nominal air flow rate, outdoor	-	10500	m	³ /h
					measured				
Sound power level,				- 1	ilicasurcu				
indoor / outdoor	Ixva	78.0	dB						
measured	LWA	70.0	u.b		For water-/brine-to-air				
Emissions of nitrogen	-				heat pumps: Rated				2.5
oxides (if applicable)	NO_x	-	mg/kWh		brine or water flow	-	-	m	³ /h
omees (ii apprecio)			kg CO _{2 eq}		rate, outdoor heat				
GWP of the refrigerant		2088	(100		exchanger				
			years)	Ш					
					CONSUMER PRODUC				
Contact details					Estate, 700/406 Moo 7	, Tambon Don	Hua R	oh, Aı	nphur
			uri 20000,						
					default degradation coef				
					s, the test result and perfe				
basis of the performan	nce of t	he outo	loor unit,	. v	ith a combination of i	ndoor unit(s) re	ecomme	nded t	y the

manufacturer or importer.

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

Model(s): Information t Outdoor: PUHY		-		which the information relates : Indoor : PEFY-P50VMHS2-E×6 units						
Outdoor heat exchanger				IIIdoof . FEF 1-F 30 VMITIS2-E > 0 units						
Indoor heat exchanger of										
Type: compressor drive										
if applicable: driver of c										
Item	Symbol			Item Symbol Value	Unit					
Item	Бушоог	T varae		Seasonal space						
Rated cooling capacity	$P_{\text{rated,c}}$	33.50	kW	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	%					
Declared cooling capac outdoor temperatures (dry/wet bulb)			_	Declared energy efficiency ratio or gas utilization effici auxiliary energy factor for part load at given o temperatures T _j						
$T_j = +35$ °C	Pdc	33.50	kW	$T_j = +35 ^{\circ}\text{C}$ EER _d 3.71	%					
$T_{j} = +30 {}^{\circ}\text{C}$	Pdc	24.69	kW	$T_i = +30 ^{\circ}\text{C}$ EER _d 5.29	%					
$T_j = +25$ °C	Pdc	15.88	kW	$T_i = +25 ^{\circ}\text{C}$ EER _d 7.95	%					
$T_i = +20 ^{\circ}\text{C}$	Pdc	8.67	kW	$T_i = +20 ^{\circ}\text{C}$ EER _d 9.81	%					
Degradation co- efficient air conditioners**	C_{d}	0.25	- - -							
Power consumption in	modes o	other th	an 'active							
mode'		0.000	7		1 ***					
Off mode	Poff	0.000		Crankcase heater mode P _{CK} 0.036						
Thermostat-off mode	P_{TO}	0.076	-KW	Standby mode P_{SB} 0.070	KW					
Other items										
Capacity control	variable	;		For air-to-air air conditioner: Nominal air flow rate, outdoor measured 11100 m ²	³ /h					
Sound power level, outdoor	L _{WA}	82.0	dB							
if engine driven: Emissions of nitrogen oxides	NO _x	-	mg/kWh fuel input GCV							
GWP of the refrigerant		2088	kg CO _{2 eq} (100 years)							
Contact details	Amata Muang,	Nakorn Chonbi	Industria uri 20000,		•					
Where information rela	Muang, Chonburi 20000, Thailand ** 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									

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Information to identify								
Outdoor: PUH				Indoor : PEFY-P50	VMHS2-E×6 un	its		
Outdoor heat exchanger								
Indoor heat exchanger of Indication if the heater				mantary haatar: no				
				eating season, parameters	for the warmer	and co	lder h	anting
seasons are optional.	Clareu	ioi the a	average ii	eating season, parameters	ioi tile waitilei	and co	nuci i	catting
Item	Symbo	ol Value	Unit	Item	Symbol		Value	Unit
Dated heating aspecity	D	33.50	kW	Seasonal space heating	n		153.8	%
Rated heating capacity	rated,h	33.30	K vv	energy efficiency	$\eta_{s,h}$			
Declared heating capac	ity for p	art load	at indoor	Declared coefficient of				
temperature 20 °C and	outdoor	tempera	ture T _j	efficiency / auxiliary e outdoor temperatures T _i	nergy factor for	part ic	oad at	given
$T_i = -7$ °C	Pdh	29.50	kW	$T_j = -7 ^{\circ}\text{C}$	COP_d		2.80	%
$T_j = +7$ °C $T_j = +2$ °C	Pdh	18.10		$T_j = +2$ °C	COP _d		3.51	9 /0
$T_i = +7 ^{\circ}C$	Pdh	11.60		$T_i = +7 ^{\circ}C$	COP_d		5.73	9 /0
$T_i = +12 ^{\circ}C$	Pdh	8.51	kW	$T_i = +12 ^{\circ}C$	COP_d		5.96	%
$T_i = bivalent$				$T_i = bivalent$				
temperature	Pdh	31.70	kW	temperature	COP_d		2.64	0/o
$T_i = $ operation limit	Pdh	26.85	kW	$T_i = $ operation limit	COP_d		2.14	%
For air-to-water heat				For water-to-air heat				
pumps: $T_j = -15$ °C (if	Pdh	-	kW	pumps: $T_j = -15$ °C (if	COP_d		-	%
$T_{OL} < -20 {}^{\circ}\text{C})$				T_{OL} < -20 °C)				
				For water-to-air heat				
Bivalent temperature	$T_{\rm biv}$	-8.6	°C	pumps: Operation limit	T_{ol}		-	°C
				temperature				_
D 1. d'								
Degradation co- efficient heat pumps**	C_{dh}	0.25	-					
Power consumption in	modos	other the	n 'activo					
mode'	modes	omer m	an active	Supplementary heater				
				Electric back-up				1
Off mode	P_{OFF}	0.000	kW	heating capacity *	elbu		0.000	kW
Thermostat-off mode	P_{TO}	0.076	kW	Type of energy input			ı	
Crankcase heater	P_{CK}	0.036	kW	Standby made	D		0.070	1-337
mode	rck	0.030	K VV	Standby mode	P_{SB}		0.070	KVV
Other items								
				For air-to-air heat				
Capacity control	variabl	le		pumps: Nominal air	_	11100	n	1 ³ /h
				flow rate, outdoor				
Cound marriage lavel				measured				
Sound power level, indoor / outdoor	T	82.0	dB					
measured outdoor	LWA	02.0	uБ	For water-/brine-to-air				
Emissions of nitrogen				heat pumps: Rated				2.0
oxides (if applicable)	NO_x	-	mg/kWh	brine or water flow	-	-	n	n³/h
, , , , , , , , , , , , , , , , , , ,			kg CO _{2 eq}	rate, outdoor heat exchanger				
GWP of the refrigerant		2088	(100	exchanger				
			years)					
G 1 1				C CONSUMER PRODUC				1
Contact details				al Estate, 700/406 Moo 7	, 1 ambon Don	Hua R	on, A	mphur
** If C is not determin			uri 20000,	he default degradation coef	fficient of boot s	ımne eh	all ba () 25
				ips, the test result and perfe				
				with a combination of i				
manufacturer or import			,					-

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

				which the information relates:		
Outdoor: PUH				TV. D. C. V. D. C. V. V. C. V. V. C. V. V. C. V. V. V. C. V. C. V. C. V. C. V. V. V. C. V.		
			-	FY-P50VMHS2-E×2 units		
Outdoor heat exchanger						
Indoor heat exchanger of						
Type: compressor drive						
if applicable: driver of o				Territoria (C. 11.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	37.1	. TT. 5
Item	Symbol	value	Unit	Item Symbol	vaiu	e Unit
Rated cooling capacity	P _{rated,c}	40.00	kW		263.8	8 %
Declared cooling capac	city for p	art load	at given	Declared energy efficiency ratio or gas uti	lization effi	ciency /
outdoor temperatures (dry/wet bulb)				auxiliary energy factor for part load temperatures T_j		
$T_i = +35 ^{\circ}\text{C}$	Pdc	40.00	kW	$T_i = +35 ^{\circ}\text{C}$ EER _d	4.18	<u>%</u>
$T_{i} = +30 \text{ °C}$	Pdc	29.49		$T_i = +30 ^{\circ}\text{C}$ EER _d	5.29	9 /0
$T_i = +25 ^{\circ}\text{C}$	Pdc	18.97		$T_i = +25 ^{\circ}\text{C}$ EER _d	7.90	%
$T_i = +20 ^{\circ}\text{C}$	Pdc	12.44		$T_i = +20 ^{\circ}\text{C}$ EER _d	11.23	
,						
Degradation co- efficient air	C_{d}	0.25	- -			
conditioners**						
Power consumption in	modes o	ther tha	n 'active		•	•
mode'			_			
Off mode	P_{OFF}	0.000		Crankcase heater mode P _{CK}	0.036	6 kW
Thermostat-off mode	P_{TO}	0.076	kW	Standby mode P_{SB}	0.070) kW
0.1						
Other items				En sinta sin		
Capacity control	variable			For air-to-air air conditioner: Nominal air flow rate, outdoor measured	12600 r	n³/h
Sound power level, outdoor	L _{WA}	32.0	dB	Incastred		
if engine driven:			mg/kWh			
Emissions of nitrogen	NO -		fuel			
oxides			input			
OAIGOS			GCV			
GWP of the refrigerant	2	2088	kg CO _{2 eq} (100			
	MITCIT	рісш т	years)	CONCUMED DOODUCTS (THAIL AND)	COLTD	
Contact details				C CONSUMER PRODUCTS (THAILAND) 1 Estate, 700/406 Moo 7, Tambon Don 1		Δ mnhur
Contact details			mausura iri 20000,		Tua Kuli, A	zinhiim
** If C _d is not determin				e default degradation coefficient air conditio	ners shall be	- 0.25
				tioners, the test result and performance data		
		_		it with a combination of indoor unit(s) red	-	

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

			nformation relates:				
			EN DEOLDANICO E O				
		-	FY-P50VMHS2-E×2 units				
			entary heater: no				
				the warmer and	colder he	ating c	ageone
iared for	. tile ave	rage neam	ng season, parameters for	ille warmer and t	colder lie	ating s	easons
Symbo	1 Value	Unit	Item	Symbol		Value	Unit
P _{rated,h}			Seasonal space heating	$\eta_{s,h}$		139.4	%
			Declared coefficient of				
outdoor t	emperat	ure T _j	outdoor temperatures T _j	mergy ractor to	ı parı ı	Jad at	given
Pdh	33.52	kW	$T_j = -7 ^{\circ}C$	COP_d		2.35	%
Pdh	21.61	kW	$T_j = +2$ °C	COP_d		3.29	%
Pdh	13.85	kW	$T_j = +7$ °C	COP_d		4.97	%
Pdh	10.09	kW	$T_{j} = + 12 {}^{\circ}\text{C}$	COP_d		6.51	%
Pdh	34.46	kW	$T_j = bivalent$ temperature	COP_d		2.46	9/0
Pdh	27.55	kW	-	COP_d	•	1.92	9/0
		-	For water-to-air heat		Ē		
Pdh	-	kW				-	%
			$T_{OL} < -20$ °C)				
		-	For water-to-air heat		=		
$T_{\rm biv}$	-6.4	°C	pumps: Operation limit	$T_{\rm ol}$		-	°C
			temperature				
C_{dh}	0.25	-					
	-4141-	!					
modes (Juler una	in active	Supplementary heater		F		7
$P_{OFF} \\$	0.000	kW	Electric back-up heating capacity *	elbu		0.000	kW
P_{TO}			Type of energy input				
P_{CK}	0.036	kW	Standby mode	P_{SB}		0.070	kW
variable	e			_	12600	m ²	³ /h
			,				
			measured				
T	92 A	4D					
LWA	02.0	uБ	For water-/brine-to-air				
-							
NO_x	-	mg/kWh		-	-	m ³	3/h
-		kg CO2 ea	The state of the s				
	2088	(100					
		years)					
				ambon Don Hua	Roh, Am	phur N	Auang,
nce of	me out	Joor unit,	with a combination of	maoor unit(s)	ecomme	naea I	by the
	Poff Poff Por Pok Pok Poff Poff Poff Pok Poff Poff Po	7-P350YKA.TH P63VMHS2-E×4 rof air conditioner resequipped with lared for the average Symbol Value Prated,h 40.00 rity for part load outdoor temperate Pdh 33.52 Pdh 10.09 Pdh 34.46 Pdh 27.55 Pdh - Thiv -6.4 Cdh 0.25 modes other that POFF 0.000 PTO 0.076 PCK 0.036 Wariable MITSUBISHI Amata Nakorn Chonburi 20000 red by measurement tes to multi-split ince of the outcome of the o	7-P350YKA.TH (-BS) P63VMHS2-E×4 units, PEI Pof air conditioner: air Sequipped with a supplem lared for the average heating Symbol Value Unit Prated,h 40.00 kW Typity for part load at indoor outdoor temperature Type Pdh 33.52 kW Pdh 13.85 kW Pdh 13.85 kW Pdh 10.09 kW Pdh 27.55 kW Pdh 27.55 kW Pdh - kW Phoff 0.000 kW Poff 0	Post of air conditioner: air of conditioner: air of air conditioner: air of co	A-P350YKA.TH (-BS)	(-P350YKA,TH (-BS) P63VMHS2-E×4 units, PEFY-P50VMHS2-E×2 units of air conditioner: air of air acting perference or ga officiency of perfer	C-P35VKA.TH (-BS) C-P36VMHS2-E×4 units, PEFY-P50VMHS2-E×2 units C-P36VMHS2-E×2 units C-P36V

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

				which the information relates :	
Outdoor: PUHY				EV DSOVANICO F. d'	
Outdoor heat exchange				FY-P50VMHS2-E×1 unit	
Indoor heat exchanger					
Type: compressor drive					
if applicable: driver of o					
Item	Symbol			Item Symbol Val	ue Unit
Teem -	Byllico.	Tarae		Seasonal space	
Rated cooling capacity	$P_{\text{rated,c}}$	45.00	kW	cooling apergy	9.0 %
Declared cooling capac outdoor temperatures (dry/wet bulb)				Declared energy efficiency ratio or gas utilization ef auxiliary energy factor for part load at given temperatures T_i	
$T_j = +35 ^{\circ}\text{C}$	Pdc	45.00	kW	$T_j = +35 ^{\circ}\text{C}$ EER _d	4 %
$T_{j} = +30 {}^{\circ}\text{C}$	Pdc	33.18	_	$T_j = +30 ^{\circ}\text{C}$ EER _d	
$T_i = +25 ^{\circ}\text{C}$	Pdc	21.34	_	$T_i = +25 ^{\circ}\text{C}$ EER _d 7.6	1 %
$T_j = +20 ^{\circ}C$	Pdc	9.55	kW	$T_j = +20 ^{\circ}\text{C}$ EER _d	46 %
Degradation coefficient air conditioners** Power consumption in		0.25	- an 'active		
mode'	D	0.000	1 337	Condition 1 agreement D	26 1 W
Off mode	P _{OFF}	0.000			36 kW
Thermostat-off mode	P_{TO}	0.076	KW	Standby mode P_{SB} 0.0	70 kW
Other items			<u> </u>		
Other items				For air-to-air air	
Capacity control	variable	;		conditioner: Nominal air flow rate, outdoor measured	m³/h
Sound power level, outdoor	Lwa	83.0	dB		
if engine driven: Emissions of nitrogen oxides	NO _x	•	mg/kWh fuel input GCV		
GWP of the refrigerant		2088	kg CO _{2 eq} (100 years)		
Contact details	Amata Muang,	Nakorn Chonbu	Industrial ıri 20000, '		Amphur
Where information rela	tes to mi	ılti-split	air condit	e default degradation coefficient air conditioners shall ioners, the test result and performance data may be ob- it, with a combination of indoor unit(s) recommende	tained on

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

PRODUCT INFORMATION⁽¹⁾

Information to identify the model(s) to which the information relates: Outdoor: PUHY-P400YKA.TH(-BS) Indoor: PEFY-P71VMHS2-E×5 units, PEFY-P50VMHS2-E×1 unit Outdoor heat exchanger of air conditioner: air Indoor heat exchanger of air conditioner: air Indication if the heater is equipped with a supplementary heater: no Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional. Item Symbol Value Unit Item Symbol Value Unit Seasonal space heating Rated heating capacity Prated,h 45.00 kW $\eta_{s,h} \\$ 137.0 % energy efficiency Declared coefficient of performance or gas utilization Declared heating capacity for part load at indoor efficiency / auxiliary energy factor for part load at given temperature 20 °C and outdoor temperature T_i outdoor temperatures T_i **39.31** kW $T_i = -7$ °C Pdh $T_i = -7$ °C COP_d 2.54 % $T_i = +2 \, {}^{\circ}C$ $T_i = +2 \, {}^{\circ}C$ 3.14 0/0 Pdh 24.31 kW COP_d $T_i = +7$ °C **15.58** kW $T_i = +7$ °C 0/0 4.81 Pdh COP_d $T_i = +12 \,{}^{\circ}C$ 7.22 kW $T_i = +12 \,{}^{\circ}C$ 7.46 0/0 Pdh COP_d $T_i = bivalent$ $T_i = bivalent$ Pdh **37.56** kW $COP_{\text{\tiny d}}$ 2.45 0/0 temperature temperature **32.89** kW T_i = operation limit Pdh T_i = operation limit 2.02 % COP_d For air-to-water heat For water-to-air heat pumps: $T_j = -15$ °C (if Pdh kW pumps: $T_j = -15$ °C (if COP_d 0/o $T_{OL} < -20$ °C) $T_{OL} < -20$ °C) For water-to-air heat °C °C -5.7 pumps: Operation limit Tol Bivalent temperature T_{biv} temperature Degradation CO- C_{dh} 0.25 efficient heat pumps** Power consumption in modes other than 'active Supplementary heater mode' Electric back-up heating 0.000 kW Off mode Poff elbu 0.000 kW capacity * Thermostat-off mode $P_{TO} \\$ **0.076** kW Type of energy input 0.036 kW P_{SB} Crankcase heater mode PCK Standby mode 0.070 kW Other items For air-to-air heat pumps: Nominal air Capacity control variable 12600 m³/h flow rate, outdoor measured Sound power level, dB indoor outdoor LwA 83.0 For water-/brine-to-air measured Emissions of nitrogen NO_x heat pumps: Rated brine m³/h mg/kWh or water flow rate. oxides (if applicable) outdoor heat exchanger kg CO_{2 eq} 2088 GWP of the refrigerant (100 years) MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Contact details Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand ** If C_d is not determined by measurement then the default degradation coefficient of heat pumps shall be 0,25. Where information relates to multi-split 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.

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

The state of the s				which the information relates:		
Outdoor : PUH						
				FY-P71VMHS2-E×2 units		
Outdoor heat exchange						
Indoor heat exchanger						
Type: compressor drive						
if applicable: driver of	compress	or: elect	ric motor			
Item	Symbol	Value	Unit	Item Symbol	Value	Unit
				Seasonal space		
Rated cooling capacity	$P_{\text{rated},c}$	48.00	kW	$\begin{array}{ccc} cooling & energy \\ efficiency & \eta_{s,c} \end{array}$	242.2	%
Declared cooling capac	city for n	art load	at given	Declared energy efficiency ratio or gas util	lization effic	riency /
outdoor temperatures (dry/wet bulb)				auxiliary energy factor for part load temperatures T _j		
$T_i = +35 ^{\circ}\text{C}$	Pdc	48.00	kW	$T_i = +35 ^{\circ}\text{C}$ EER _d	3.46	<u>0/o</u>
$T_i = +30 ^{\circ}\text{C}$	Pdc	35.39	_	$T_i = +30 ^{\circ}\text{C}$ EER _d	4.44	%
$T_i = +25$ °C	Pdc	22.77		$T_i = +25 ^{\circ}\text{C}$ EER _d	7.54	%
$T_i = +20 ^{\circ}C$	Pdc	10.18	-	$T_i = +20 ^{\circ}\text{C}$ EER _d	10.01	
-,		10010	1		10001	7
Degradation co-			-			
_	C_d	0.25	_			
conditioners**	- u	0.20				
Power consumption in	modes o	ther tha	n 'active			ı
mode'						
Off mode	P_{OFF}	0.000	kW	Crankcase heater mode P _{CK}	0.036	kW
Thermostat-off mode	P_{TO}	0.081		Standby mode P _{SB}		kW
	10					
Other items		1	1			
				For air-to-air air		
				conditioner: Nominal air	12.00	2./1
Capacity control	variable			flow rate, outdoor	12600 n	n³/h
				measured		
Sound power level,	т (83.0	dB			
outdoor	LWA	55.0	uВ			
			mg/kWh			
if engine driven:			fuel			
Emissions of nitrogen	NO_{x}	.	input			
oxides			GCV			
			kg CO _{2 eq}			
GWP of the refrigerant	2	2088	(100			
	MITTOIT	DICITI	years)	C CONCLIMED DDODLIGTS (THAIL AND)	CO 1 TT	
Contact date 1				C CONSUMER PRODUCTS (THAILAND)		\1·
Contact details				l Estate, 700/406 Moo 7, Tambon Don I	nua Koh, A	amphur
** If C :			ıri 20000,			0.25
				tioners, the test result and performance date r		
		-		tioners, the test result and performance data r	•	

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

Information to identify the model(s) to which the information relates: Outdoor: PUHY-P450YKA.TH(-BS) Indoor: PEFY-P80VMHS2-E×4 units, PEFY-P71VMHS2-E×2 units Outdoor heat exchanger of air conditioner: air Indoor heat exchanger of air conditioner: air Indication if the heater is equipped with a supplementary heater: no Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional. Item Symbol Value Unit Symbol Value Unit Item Seasonal space heating Rated heating capacity Prated,h 48.00 kW 137.0 % energy efficiency Declared coefficient of performance or gas utilization Declared heating capacity for part load at indoor efficiency / auxiliary energy factor for part load at given temperature 20 °C and outdoor temperature T_i outdoor temperatures T_i $T_i = -7$ °C **39.31** kW Pdh $T_i = -7$ °C COP_d 2.48 0/0 **25.94** kW $T_i = +2 \, {}^{\circ}C$ 3.12 $T_i = +2 \, {}^{\circ}C$ Pdh % COP_d $T_i = +7$ °C **16.61** kW $T_i = +7$ °C 4.96 % Pdh COP_d $T_i = +12 \,{}^{\circ}C$ **7.45** kW $T_i = +12 \, {}^{\circ}C$ 7.38 Pdh COP_d % $T_i = bivalent$ $T_i = bivalent$ Pdh **38.77** kW 2.52 % COP_d temperature temperature Pdh 32.92 kW T_i = operation limit 2.03 % T_i = operation limit COP_d For air-to-water heat For water-to-air heat pumps: $T_j = -15$ °C (if Pdh kW pumps: $T_i = -15$ °C (if COP_d % $T_{OL} < -20$ °C) $T_{OL} < -20$ °C) For water-to-air heat °C °C -5.0 pumps: Operation limit Tol Bivalent temperature T_{biv} temperature Degradation CO- C_{dh} 0.25 efficient heat pumps** Power consumption in modes other than 'active Supplementary heater mode' Electric back-up **0.000** kW Off mode P_{OFF} elbu 0.000 kWheating capacity * Thermostat-off mode $P_{TO} \\$ 0.081 kW Type of energy input **0.036** kW $P_{SB} \\$ 0.070 kW Crankcase heater mode PCK Standby mode Other items For air-to-air heat pumps: Nominal air Capacity control variable 12600 m³/h outdoor flow rate, measured Sound power level, dВ indoor outdoor LwA 83.0 / For water-/brine-to-air measured Emissions of nitrogen NO_x heat pumps: Rated m³/h mg/kWh brine or water flow rate, oxides (if applicable) outdoor heat exchanger kg CO_{2 eq} GWP of the refrigerant 2088 (100)years) MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD. Contact details Amata Nakorn Industrial Estate, 700/406 Moo 7, Tambon Don Hua Roh, Amphur Muang, Chonburi 20000, Thailand ** If C_d is not determined by measurement then the default degradation coefficient of heat pumps shall be 0,25. Where information relates to multi-split 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.

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

Model(s): Information to identify the model(s) to which the information relates:										
Outdoor: PUHY-P500YKA.TH (-BS) Indoor: PEFY-P63VMHS2-E×8 units Outdoor heat exchanger of air conditioner: air										
Indoor heat exchanger of										
Type: compressor drive										
if applicable: driver of o					T.T., 14					
Item	Symbo	l Value	Unit		Unit					
Rated cooling capacity	$P_{\text{rated},c}$	55.00	kW	cooling	%					
Declared cooling capac outdoor temperatures				auxiliary energy factor for part load at given ou						
(dry/wet bulb)				temperatures T _j						
$T_j = +35$ °C	Pdc	55.00	_	'	%					
$T_j = +30$ °C	Pdc	40.55	_		0/0					
$T_j = +25$ °C	Pdc	26.09			0/0					
$T_j = +20$ °C	Pdc	11.61	kW	$T_j = +20 ^{\circ}\text{C}$ EER _d	%					
Degradation coefficient air conditioners**	C_{d}	0.25								
Power consumption in	modes	other th	an 'active							
mode'										
Off mode	P_{OFF}	0.000	kW	Crankcase heater mode P _{CK} 0.036	kW					
Thermostat-off mode	P_{TO}	0.081	kW	Standby mode P _{SB} 0.070	kW					
Other items										
				For air-to-air air						
Capacity control	variabl	e		conditioner: Nominal air flow rate, outdoor measured 21600 m ³ /	′h					
Sound power level, outdoor	L _{WA}	86.0	dB		•					
if engine driven: Emissions of nitrogen oxides	NO_x	-	mg/kWh fuel input GCV							
GWP of the refrigerant		2088	kg CO _{2 eq} (100 years)							
Contact details	Amata Chonb	Nakorr ouri 2000	Industrial 00, Thailan							
	** If C _d is not determined by measurement then the default degradation coefficient air conditioners shall be 0.25.									
				itioners, the test result and performance data may be obtain						
		of the o	outdoor un	nit, with a combination of indoor unit(s) recommended b	y the					
manufacturer or importe	er.									

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

_	Information to identify the model(s) to which the information relates : Outdoor: PUHY-P500YKA.TH (-BS) Indoor: PEFY-P63VMHS2-E×8 units											
Outdoor : PUH S				Indoor : PEFY-P63	VMHS2-E×8 un	ıts						
	Indoor heat exchanger of air conditioner: air Indication if the heater is equipped with a supplementary heater: no											
		•		·	for the warmer	and co	lder h	eating				
Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasons are optional.												
Item	Symbo	ol Value	Unit	Item	Symbol		Value	Unit				
Dated heating conscitu	D	55.00	1-337	Seasonal space heating	-		137.4	. %				
Rated heating capacity	P _{rated,h}	55.00	kW	energy efficiency	$\eta_{s,h}$							
Declared heating capaci	ity for r	art load	at indoor	Declared coefficient o								
temperature 20 °C and of				efficiency / auxiliary en	nergy factor for	part lo	ad at	given				
			_	outdoor temperatures T _j	COD			٦.,				
$T_j = -7$ °C	Pdh	42.35	_	$T_j = -7$ °C	COP _d		2.52	%				
$T_j = +2 ^{\circ}C$	Pdh	29.71		$T_j = +2$ °C	COP _d		3.13	%				
$T_j = +7 {}^{\circ}C$	Pdh	19.03		$T_j = +7$ °C	COP _d		5.02	%				
$T_j = +12 ^{\circ}\text{C}$	Pdh	8.46	K W	$T_j = +12 ^{\circ}\text{C}$	COP_d		7.96	%				
$T_j = bivalent$	Pdh	44.42	kW	$T_j = bivalent$ temperature	COP_d		2.47	0/0				
temperature T_i = operation limit	Pdh	35.18	1-337	$T_i = \text{operation limit}$	COP_d		2.01	<u>%</u>				
For air-to-water heat	run	33.10	- K VV	For water-to-air heat	COrd		2.01	70				
pumps: $T_i = -15$ °C (if	Pdh		kW	pumps: $T_j = -15$ °C (if	COP ₄		_	9/0				
$T_{OL} < -20 ^{\circ}\text{C}$	1 411		IX VV	$T_{OL} < -20$ °C)	COI			/•				
-02				For water-to-air heat								
Bivalent temperature	$T_{\rm biv}$	-5.0	°C	pumps: Operation limit	T_{ol}		-	°C				
				temperature								
Degradation co-	C	0.25										
efficient heat pumps**	Cdh		-									
Power consumption in	modes	other th	an 'active	Supplementary heater								
mode'			٦					_				
Off mode	P_{OFF}	0.000	kW	Electric back-up	elbu		0.000	kW				
Th	D	0.001	1-337	heating capacity *								
Thermostat-off mode Crankcase heater	P_{TO}	0.081	K VV	Type of energy input								
mode	$P_{CK} \\$	0.036	kW	Standby mode	P_{SB}		0.070	kW				
Other items												
outer items				For air-to-air heat								
				pumps: Nominal air		• • • • • •		2.7				
Capacity control	variab	le		flow rate, outdoor	-	21600	n	n³/h				
				measured								
Sound power level,												
indoor / outdoor	L_{WA}	86.0	dB	For water-/brine-to-air								
measured				heat pumps: Rated								
Emissions of nitrogen	NO_x	_	mg/kWh	brine or water flow	-	-	n	1 ³ /h				
oxides (if applicable)	1,0%		Ü	rate, outdoor heat								
GWP of the refrigerant		2000	kg CO _{2 eq}	exchanger								
GWP of the ferrigerant		2088	(100 years)									
	MITS	UBISHI		IC CONSUMER PRODUC	TS (THAILANI	O) CO :	LTD.					
Contact details				al Estate, 700/406 Moo 7				mphur				
				, Thailand								
	ed by n	neasuren	nent then t	he default degradation coef								
	** If C_d is not determined by measurement then the default degradation coefficient of heat pumps shall be 0,25. Where information relates to multi-split heat pumps, the test result and performance data may be obtained on the											
		the out	loor unit,	with a combination of in	ndoor unit(s) re	ecomme	nded 1	by the				
manufacturer or importe	er.											

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