

Y-Series High efficiency R410A

PUHY-EP YNW-A2(-BS)



Model		PUHY-EP200YNW-A2 (-BS)	PUHY-EP250YNW-A2 (-BS)	PUHY-EP300YNW-A2 (-BS)	
Power source		3-phase 4-wire 380-400-415 V 50/60 Hz			
Cooling capacity (Nominal)	*1 kW	22.4	28.0	33.5	
	BTU / h	76,400	95,500	114,300	
	Power input kW	5.51	8.21	9.68	
	Current input A	9.3-8.8-8.5	13.8-13.1-12.6	16.3-15.5-14.9	
	EER kW / kW	4.06	3.41	3.46	
	SEER kW / kW	7.76	7.51	7.26	
Temp. range of cooling	Indoor W.B.	15.0~24.0°C (59~75°F)		15.0~24.0°C (59~75°F)	
	Outdoor D.B.	-5.0~52.0°C (23~126°F)		-5.0~52.0°C (23~126°F)	
Heating capacity (Max)	*2 kW	25.0	31.5	37.5	
	BTU / h	85,300	107,500	128,000	
	Power input kW	5.93	8.13	9.84	
	Current input A	10.0-9.5-9.1	13.7-13.0-12.5	16.6-15.7-15.2	
	COP kW / kW	4.21	3.87	3.81	
	(Nominal) *3 kW	22.4	28.0	33.5	
	BTU / h	76,400	95,500	114,300	
	Power input kW	5.01	6.84	8.27	
	Current input A	8.4-8.0-7.7	11.5-10.9-10.5	13.9-13.2-12.7	
	COP kW / kW	4.47	4.09	4.05	
Temp. range of heating	Indoor D.B.	15.0~27.0°C (59~81°F)		15.0~27.0°C (59~81°F)	
	Outdoor W.B.	-20.0~15.5°C (-4~60°F)		-20.0~15.5°C (-4~60°F)	
Indoor unit connectable	Total capacity	50~130% of outdoor unit capacity			
	Model / Quantity	P10~P250, M20~M140/1~20	P10~P250, M20~M140/1~25	P10~P250, M20~M140/1~30	
Sound pressure level (measured in anechoic room)	*4, 5 dB <A>	58.0/59.0	60.0/61.0	61.0/64.5	
Sound power level (measured in anechoic room)	*4 dB <A>	75/78	78/80	80/84	
Refrigerant piping diameter	Liquid pipe mm (in.)	9.52 (3/8) Brazed	9.52 (3/8) Brazed (12.7 (1/2) Brazed, total length >= 90 m)	9.52 (3/8) Brazed (12.7 (1/2) Brazed, total length >= 40 m)	
	Gas pipe mm (in.)	22.2 (7/8) Brazed	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed	
FAN	Type x Quantity	Propeller fan x 1			
	Air flow rate	m ³ /min	170	185	240
		L/s	2,833	3,083	4,000
		cfm	6,003	6,532	8,474
	Control, Driving mechanism	Inverter-control, Direct-driven by motor			
	Motor output kW	0.92 x 1			
*6 External static press.	0 Pa (0 mmH ₂ O)				
Compressor	Type	Inverter scroll hermetic compressor			
	Starting method	Inverter			
	Motor output kW	3.4			
	Case heater kW	-			
External finish		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>			
External dimension HxWxD	mm	1,858 (1,798 without legs) x 920 x 740			
	in.	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16			
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			
	Inverter circuit (COMP./FAN)	Over-heat protection, Over-current protection			
	Compressor	-			
	Fan motor	-			
Refrigerant	Type x original charge	R410A x 6.5 kg (15 lbs)			
Net weight	kg (lbs)	228 (503)			
Heat exchanger		Salt-resistant cross fin & aluminium tube			
Optional parts		Joint: CMY-Y102SS/LS-G2 Header: CMY-Y104/108/1010-G			

Notes:

*1,*2,*3 Nominal conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB (95°F DB)	7.5m (24-9/16ft.)	0m (0ft.)
	20°C DB/68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)		
Heating	20°C DB/68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

*3 Eurovent registered

*4 Cooling mode / Heating mode

*5 The sound pressure level measured by the conventional method in JIS for reference purpose.

*6 External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH₂O, 6.1 mmH₂O, 8.2 mmH₂O).

Consult your dealer about the specification when setting External static pressure option.

*Due to continuing improvement, above specifications may be subject to change without notice.

Y-Series High efficiency R410A

PUHY-EP YNW-A2(-BS)



Model	PUHY-EP350YNW-A2 (-BS)		PUHY-EP400YNW-A2 (-BS)		PUHY-EP450YNW-A2 (-BS)		PUHY-EP500YNW-A2 (-BS)	
Power source	3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz	
Cooling capacity (Nominal)	*1	kW	40.0	45.0	50.0	56.0		
		BTU / h	136,500	153,500	170,600	191,100		
		Power input kW	12.42	14.65	17.73	20.51		
		Current input A	20.9-19.9-19.1	24.7-23.4-22.6	29.9-28.4-27.4	34.6-32.8-31.7		
		EER	3.22	3.07	2.82	2.73		
	SEER	7.03	6.83	6.94	6.55			
Temp. range of cooling	Indoor	W.B.	15.0~24.0°C (59~75°F)		15.0~24.0°C (59~75°F)		15.0~24.0°C (59~75°F)	
	Outdoor	D.B.	-5.0~52.0°C (23~126°F)		-5.0~52.0°C (23~126°F)		-5.0~52.0°C (23~126°F)	
Heating capacity (Max)	*2	kW	45.0	50.0	56.0	63.0		
		BTU / h	153,500	170,600	191,100	215,000		
		Power input kW	11.81	13.85	16.18	17.74		
		Current input A	19.9-18.9-18.2	23.3-22.2-21.4	27.3-25.9-25.0	29.9-28.4-27.4		
		COP	3.81	3.61	3.46	3.55		
(Nominal)	*3	kW	40.0	45.0	50.0	56.0		
		BTU / h	136,500	153,500	170,600	191,100		
		Power input kW	9.77	11.65	12.85	14.73		
		Current input A	16.4-15.6-15.1	19.6-18.6-18.0	21.6-20.6-19.8	24.8-23.6-22.7		
		COP	4.09	3.86	3.89	3.80		
	SCOP	4.35	4.25	4.32	4.10			
Temp. range of heating	Indoor	D.B.	15.0~27.0°C (59~81°F)		15.0~27.0°C (59~81°F)		15.0~27.0°C (59~81°F)	
	Outdoor	W.B.	-20.0~15.5°C (-4~60°F)		-20.0~15.5°C (-4~60°F)		-20.0~15.5°C (-4~60°F)	
Indoor unit connectable	Total capacity	50~130% of outdoor unit capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity		
	Model / Quantity	P10~P250, M20~M140/1~35		P10~P250, M20~M140/1~40		P10~P250, M20~M140/1~45		
Sound pressure level (measured in anechoic room) *4, 5	dB <A>	62.0/64.0		65.0/65.5		65.5/70.5		
Sound power level (measured in anechoic room) *4	dB <A>	80/83		82/85		84/90		
Refrigerant piping diameter	Liquid pipe	12.7 (1/2) Brazed		12.7 (1/2) Brazed		15.88 (5/8) Brazed		
	Gas pipe	28.58 (1-1/8) Brazed		28.58 (1-1/8) Brazed		28.58 (1-1/8) Brazed		
FAN	Type x Quantity	Propeller fan x 2		Propeller fan x 2		Propeller fan x 2		
	Air flow rate	m ³ /min	270		270		305	
		L/s	4,500		4,500		5,083	
		cfm	9,534		9,534		10,770	
	Control, Driving mechanism	Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor		
Motor output	kW		0.46 x 2		0.46 x 2			
Compressor *6	External static press.	0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)		
	Type	Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		
	Starting method	Inverter		Inverter		Inverter		
	Motor output	kW		7.7		9.8		
	Case heater	kW		-		-		
External finish	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>	
External dimension HxWxD	mm	1,858 (1,798 without legs) x 1,240 x 740		1,858 (1,798 without legs) x 1,240 x 740		1,858 (1,798 without legs) x 1,240 x 740		
		in.		73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16		73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16		
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		
	Inverter circuit (COMP./FAN)	Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		
	Compressor	-		-		-		
	Fan motor	-		-		-		
Refrigerant	Type x original charge	R410A x 9.8 kg (22 lbs)		R410A x 10.8 kg (24 lbs)		R410A x 10.8 kg (24 lbs)		
Net weight	kg (lbs)	282 (622)		303 (668)		342 (754)		
Heat exchanger	Salt-resistant cross fin & aluminium tube		Salt-resistant cross fin & aluminium tube		Salt-resistant cross fin & aluminium tube		Salt-resistant cross fin & aluminium tube	
Optional parts	Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104/108/1010-G		Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104/108/1010-G		Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104/108/1010-G		Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104/108/1010-G	

Notes:

*1,*2,*3 Nominal conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB (95°F DB)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20°C DB(68°F DB)	7°C DB/6°C WB(45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

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*4 Cooling mode / Heating mode

*5 The sound pressure level measured by the conventional method in JIS for reference purpose.

*6 External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH₂O, 6.1 mmH₂O, 8.2 mmH₂O).

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Lineup & Functions

Y-Series

R2-Series

ZUBADAN-Series

S-Series

BC Controllers

Ceiling cassette type

Ceiling concealed type

Ceiling suspended type

Wall-mounted type

Floor standing type

Functions

LOSSNAY System

Remote Controller

Hot Water Solution