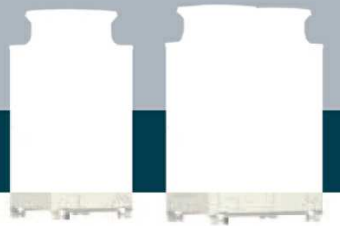


OUTDOOR UNIT Y Series

PUHY-P YNW-A(-BS)



- NOTES:**
1. DO NOT SCALE from the drawing
 2. Further dimensions required to be requested from the project technical team
 3. Report discrepancies to JDDK project team immediately
 4. This model file contains the following consultants model files:-

Specifications

Model			PUHY-P200YNW-A (-BS)		PUHY-P250YNW-A (-BS)		PUHY-P300YNW-A (-BS)		PUHY-P350YNW-A (-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	22.4		28.0		33.5		40.0		
		BTU/h	76,400		95,500		114,300		136,500		
		Power input kW	5.61		7.25		9.35		10.86		
		EER kW/kW	3.99		3.86		3.58		3.68		
		EER (ErP)* kW/kW	5.28		4.84		4.37		4.05		
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)		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)		-5.0~52.0 °C (23~126 °F)		
Heating capacity (Max)	*2	kW	25.0		31.5		37.5		45.0		
		BTU/h	85,300		107,500		128,000		153,500		
		Power input kW	5.59		7.35		9.10		11.30		
		COP kW/kW	4.47		4.28		4.12		3.98		
		COP (ErP)* kW/kW	5.45		5.21		4.77		4.28		
		(Nominal)	kW	22.4		28.0		33.5		40.0	
			BTU/h	76,400		95,500		114,300		136,500	
			Power input kW	3.95		5.20		6.70		8.51	
			COP kW/kW	5.67		5.38		5.00		4.70	
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)		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)		-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		50~130% of outdoor unit capacity		
	Model / Quantity		P15~P250/1~17		P15~P250/1~21		P15~P250/1~26		P15~P250/1~30		
Sound pressure level (measured in anechoic room)	*4	dB <A>		58.0 / 59.0		60.0 / 61.0		61.0 / 64.5		62.0 / 64.0	
Sound power level (measured in anechoic room)		dB <A>		75.0 / 78.0		78.0 / 80.0		80.0 / 83.5		80.5 / 83.0	
Refrigerant piping diameter	Liquid pipe		mm (in.)		9.52 (3/8) Braze		9.52 (3/8) Braze (12.7 (1/2) Braze, farthest length >= 90 m)		9.52 (3/8) Braze (12.7 (1/2) Braze, farthest length >= 40 m)		
	Gas pipe		mm (in.)		22.2 (7/8) Braze		22.2 (7/8) Braze		28.58 (1-1/8) Braze		
FAN	Type x Quantity		Propeller fan x 1		Propeller fan x 1		Propeller fan x 1		Propeller fan x 2		
	Air flow rate	m³/min	170		185		240		270		
		L/s	2,833		3,083		4,000		4,500		
		cfm	6,003		6,532		8,474		9,534		
	Control, Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor		
	Motor output kW		0.92 x 1		0.92 x 1		0.92 x 1		0.46 x 2		
Compressor	*5 External static press.		0 Pa (0 mmH ₂ O)		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		Inverter scroll hermetic compressor		
	Starting method		Inverter		Inverter		Inverter		Inverter		
	Motor output kW		5.6		7.0		7.9		9.8		
	Case heater kW		-		-		-		-		
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		
External dimension HxWxD			mm		1,858 (1,798 without legs) x 920 x 740		1,858 (1,798 without legs) x 920 x 740		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		73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16		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)		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		Over-heat protection, Over-current protection		
	Compressor		-		-		-		-		
	Fan motor		-		-		-		-		
Refrigerant	Type x original charge		R410A x 6.5 kg (15 lbs)		R410A x 6.5 kg (15 lbs)		R410A x 6.5 kg (15 lbs)		R410A x 9.8 kg (22 lbs)		
Net weight	kg (lbs)		225 (497)		225 (497)		228 (503)		278 (613)		
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		
Optional parts			Header: CMY-Y104/108/1010-G		Header: CMY-Y104/108/1010-G		Header: CMY-Y104/108/1010-G		Header: CMY-Y104/108/1010-G		

Notes:

*1,*2 Nominal conditions (subject to JIS B8615-2) + ErP Lot 21/6 calculation method to EN14825

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)
	Heating	20°C DB/68°F DB	7°C DB/68°C WB/45°F DB/43°F WB	7.5m (24-9/16ft.)

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

Indoor: 20 °CD.B. (68 °FD.B.), Outdoor: 7 °CD.B./6 °CW.B. (45 °FD.B./43 °FW.B.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

Eurovent registered

*4 Cooling mode / Heating mode

*5 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 specification may be subject to change without notice.

REV	ISSUED	DATE	DESCRIPTION
REVISION LOG			
			JDDK Architects Millmount Ponteland Road Newcastle upon Tyne NE5 3AL t. 0191 286 0811 f. 0191 286 3870 e. millmount@jddk.co.uk jddk.co.uk
DISCOVER DESIGN DELIVER			

CLIENT		Vets 4 Pets	
PROJECT TITLE			
3801 Vets 4 Pets Barnsley			
TITLE			
External Condensing Unit - Data Sheet			
MAIN CONTRACTOR			
QUANTITY SURVEYOR		M&E CONSULTANT	
STRUCTURAL CONSULTANT		OTHER CONSULTANT	
DRAWING No.		REV	
3801-JDDK-SH-A-7002			
JDDK INTERNAL REF: 3801		JDDK REF NO: 70.02	
SCALE: @ A4		ISSUE DATE: 22/02/2019	
DRAWN BY: OH		CHECKED BY:	
STATUS:		PURPOSE OF ISSUE:	
		PLANNING	