

Y Series Standard (22.4-45kW) Heat Pump (Heating or Cooling) Outdoor Unit

OUTDOOR UNITS		PUHY-P200YNW-A	PUHY-P250YNW-A	PUHY-P300YNW-A	PUHY-P350YNW-A	PUHY-P400YNW-A	PUHY-P400YSNW-A
CAPACITY (kW)	Heating (nominal)	25.0	31.5	37.5	45.0	50.0	50.0
	Cooling (nominal)	22.4	28.0	33.5	40.0	45.0	45.0
	High Performance Heating (UK)	25.0	31.5	35.6	42.8	45.0	50.0
	COP Priority Heating (UK)	22.8	28.7	34.1	41.0	43.0	45.5
	Cooling (UK)	20.0	25.1	30.0	35.8	40.3	40.3
POWER INPUT (kW)	Heating (nominal)	4.58	6.04	7.86	10.51	13.40	9.45
	Cooling (nominal)	4.24	5.78	7.66	9.87	11.47	8.77
	High Performance Heating (UK)	5.77	7.61	10.45	13.98	15.14	12.10
	COP Priority Heating (UK)	4.58	6.04	7.86	10.51	13.00	9.45
	Cooling (UK)	2.46	3.35	4.44	5.72	7.34	5.09
COP / EER (nominal)		5.45 / 5.28	5.21 / 4.84	4.77 / 4.37	4.28 / 4.05	3.73 / 3.92	5.29 / 5.13
SCOP / SEER ^{*1}		-	-	-	-	-	-
MAX No. OF CONNECTABLE INDOOR UNITS		17	21	26	30	34	34
MAX CONNECTABLE CAPACITY		50~130% OU Capacity	50~130% OU Capacity	50~130% OU Capacity	50~130% OU Capacity	50~130% OU Capacity	50~130% OU Capacity
AIRFLOW (m³/min)	High	170	185	240	270	300	170 / 170
	Low	170	185	240	270	300	170 / 170
PIPE SIZE mm (in)	Gas	22.2 (7/8")	22.2 (7/8")	22.2 (7/8")	28.58 (1-1/8")	28.58 (1-1/8")	28.58 (1-1/8")
	Liquid	9.52 (3/8")	9.52 (3/8") ^{*2}	9.52 (3/8") ^{*2}	12.7 (1/2")	12.7 (1/2")	12.7 (1/2")
SOUND PRESSURE LEVEL (dBA)		59.0	61.0	64.5	64.0	67.0	62.0
SOUND POWER LEVEL (dBA)		78.0	80.0	83.5	83.0	86.0	81.0
WEIGHT (kg)		225	225	228	278	278	225 + 225
DIMENSIONS (mm)	Width	920	920	920	1240	1240	920 + 920
	Depth	740	740	740	740	740	740
	Height	1858	1858	1858	1858	1858	1858
	(1650mm without legs)						
ELECTRICAL SUPPLY ^{*3}		380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz
PHASE ^{*3}		Three	Three	Three	Three	Three	Three
STARTING CURRENT (A) ^{*3}		8	8	8	8	8	8
NOMINAL SYSTEM RUNNING CURRENT (A) ^{*3}		7.0 / 6.5 [16.1]	9.3 / 8.9 [17.8]	12.1 / 11.8 [22.7]	16.2 / 15.2 [26.4]	20.7 / 17.7 [31.9]	14.6 / 13.5 [16.1]
GUARANTEED OPERATING RANGE (°C)		-20~15.5 / -5~-52	-20~15.5 / -5~-52	-20~15.5 / -5~-52	-20~15.5 / -5~-52	-20~15.5 / -5~-52	-20~15.5 / -5~-52
FUSE RATING (MCB sizes BS EN 60947-2) - (A) ^{*3}		1 x 20	1 x 20	1 x 25	1 x 32	1 x 32	1 x 20 / 1 x 20
MAINS CABLE No. Cores ^{*3}		4 + earth	4 + earth	4 + earth	4 + earth	4 + earth	4 + earth
CHARGE REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R410A (GWP 2088)		6.5 / 13.6	6.5 / 13.6	6.5 / 13.6	9.8 / 20.5	9.8 / 20.5	13 / 21.1
MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R410A (GWP 2088)		15.9 / 33.2	22.9 / 47.8	23.4 / 48.9	24 / 50.1	24.4 / 51.0	32 / 66.8

Note: *1 ErP Lot 21 / 6 calculation method to EN14825. *2 12.7mm(1/2") if P250 furthest length ≥ 90m, P300 furthest length ≥ 40m.

*3 A separate power supply is required for each module. Where more than one figure is quoted there are multiple modules. Price includes Twinning Kit where necessary.

Y Series Standard (50-63kW) Heat Pump (Heating or Cooling) Outdoor Unit

OUTDOOR UNITS		PUHY-P450YNW-A	PUHY-P450YSNW-A	PUHY-P500YNW-A	PUHY-P500YSNW-A	PUHY-P550YSNW-A
CAPACITY (kW)	Heating (nominal)	56.0	56.0	63.0	63.0	69.0
	Cooling (nominal)	50.0	50.0	56.0	56.0	63.0
	High Performance Heating (UK)	50.4	56.0	56.7	63.0	65.6
	COP Priority Heating (UK)	48.2	51.0	54.2	57.3	62.8
	Cooling (UK)	44.8	44.8	50.1	50.1	56.4
POWER INPUT (kW)	Heating (nominal)	13.42	10.85	14.61	12.45	14.26
	Cooling (nominal)	12.22	10.22	12.52	11.91	14.15
	High Performance Heating (UK)	15.16	13.89	16.51	15.94	18.97
	COP Priority Heating (UK)	13.02	10.85	14.17	12.45	14.26
	Cooling (UK)	7.82	5.93	8.01	6.91	8.21
COP / EER (nominal)		4.17 / 4.09	5.16 / 4.89	4.31 / 4.47	5.06 / 4.70	4.83 / 4.45
SCOP / SEER ^{*1}		-	-	-	-	-
MAX No. OF CONNECTABLE INDOOR UNITS		39	39	43	43	47
MAX CONNECTABLE CAPACITY		50~130% OU Capacity	50~130% OU Capacity	50~130% OU Capacity	50~130% OU Capacity	50~130% OU Capacity
AIRFLOW (m³/min)	High	305	170 / 185	365	185 / 185	185 / 240
	Low	305	170 / 185	365	185 / 185	185 / 240
PIPE SIZE mm (in)	Gas	28.58 (1-1/8")	28.58 (1-1/8")	28.58 (1-1/8")	28.58 (1-1/8")	28.58 (1-1/8")
	Liquid	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")
SOUND PRESSURE LEVEL (dBA)		69.5	63.0	66.5	64.0	66.0
SOUND POWER LEVEL (dBA)		88.5	82.0	85.5	83.0	85.0
WEIGHT (kg)		294	225 + 225	337	225 + 225	225 + 228
DIMENSIONS (mm)	Width	1240	920 + 920	1750	920 + 920	920 + 920
	Depth	740	740	740	740	740
	Height	1858	1858	1858	1858	1858
	(1798mm without legs)					
ELECTRICAL SUPPLY ^{*2}		380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz
PHASE ^{*2}		Three	Three	Three	Three	Three
STARTING CURRENT (A) ^{*2}		8	8	8	8	8
NOMINAL SYSTEM RUNNING CURRENT (A) ^{*2}		20.7 / 18.8 [37.1]	16.7 / 15.7 [16.1 + 17.8]	22.5 / 19.3 [43.7]	19.2 / 18.4 [17.8 + 17.8]	22.0 / 21.8 [17.8 + 22.7]
GUARANTEED OPERATING RANGE (°C)		-20~15.5 / -5~-52	-20~15.5 / -5~-52	-20~15.5 / -5~-52	-20~15.5 / -5~-52	-20~15.5 / -5~-52
FUSE RATING (MCB sizes BS EN 60947-2) - (A) ^{*2}		1 x 40	1 x 20 / 1 x 20	1 x 50	1 x 20 / 1 x 20	1 x 20 / 1 x 25
MAINS CABLE No. Cores ^{*2}		4 + earth	4 + earth / 4 + earth	4 + earth	4 + earth / 4 + earth	4 + earth / 4 + earth
CHARGE REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R410A (GWP 2088)		10.8 / 22.6	13 / 27.1	10.8 / 22.6	13 / 27.1	13 / 27.1
MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) R410A (GWP 2088)		32.2 / 67.2	32 / 66.8	33.1 / 69.1	32.9 / 68.7	34.7 / 72.5

Note: *1 ErP Lot 21 / 6 calculation method to EN14825. *2 A separate power supply is required for each module. Where more than one figure is quoted there are multiple modules.