WY Series (8-24hp)

Heat Pump, Water Cooled Condensing Unit

The WY Series has all the benefits of the Y Series using water cooled condensing units. It is also able to produce heat recovery via the water circuit between heat source units, making for a very economical system. Like the YHM-A air source versions, the water cooled units now benefit from a modular design approach. A twinning kit is required for double combinations.

- High COPs possible thanks to increased efficiency and careful control of the system, allowing the largest operational water circuit temperature band ever
- 40% height reduction compared to previous YGM-A models
- Combining WY with waste heat energy provides unique application solutions
- Up to 50 indoor units can now be connected to each condensing unit
- Condensing units can be situated indoors allowing greater design flexibility and no limitation on building size
- Single inverter compressor
- Improved pipe run of 165m with a total system pipe length of up to 500m
- High Sensible Cooling Function - By raising the off coil temperature, a 10% increase in sensible cooling capacity over standard operation is achievable, the result being greater comfort for occupants
- Able to operate with closed loop ground source water temperatures, bore hole and slinky applications are now possible
- Easy maintenance - front panel access to all PCB's
- PWFY-P100-200VM-AU and size 15 indoor units are now connectable
- Sizes 650 through to 900 available late 2009

R410A

Qualified for Energy Technology List

Technical Information

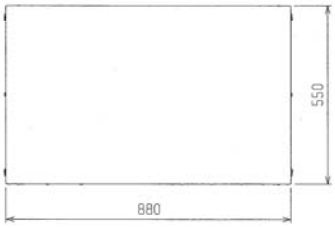
WY SERIES HEAT SOURCE UNIT - 8-24hp

MODEL REFERENCE		PQHY-P200YHM-A	PQHY-P250YHM-A	PQHY-P300YHM-A	PQHY-P400YSHM-A	PQHY-P450YSHM-A	PQHY-P500YSHM-A	PQHY-P550YSHM-A	PQHY-P600YSHM-A
CAPACITY (kW)	Heating (nominal)	25.0	31.5	37.5	50.0	56.0	63.0	69.0	76.5
	Cooling (nominal)	22.4	28.0	33.5	45.0	50.0	56.0	63.0	69.0
POWER INPUT (kW)	Heating (nominal)	4.12	5.80	8.15	8.65	10.42	12.10	14.65	17.12
	Cooling (nominal)	3.92	5.45	7.36	8.25	9.84	11.45	13.46	15.48
MAX No. OF CONNECTABLE INDOOR UNITS		17	25	30	40	45	50	50	50
NOISE (dBA)		47	49	50	50	51	52	52.5	53
WEIGHT (kg)		186	186	186	186 + 186	186 + 186	186 + 186	186 + 186	186 + 186
DIMENSIONS (mm)	Width	880	880	880	880 + 880	880 + 880	880 + 880	880 + 880	880 + 880
	Depth	550	550	550	550	550	550	550	550
(1100 without legs)	Height	1160	1160	1160	1160	1160	1160	1160	1160
ELECTRICAL SUPPLY		380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz
PHASE		3	3	3	3	3	3	3	3
STARTING CURRENT (A)		8	8	8	8 / 8	8 / 8	8 / 8	8 / 8	8 / 8
RUNNING CURRENT (A)	Heating	6.3	8.9	12.5	13.3	16.1	18.7	22.6	26.4
	Cooling	6.0	8.4	11.3	12.7	15.2	17.6	20.8	23.9
FUSE RATING (BS88) - HRC (A)		20	20	20	20 / 20	20 / 20	20 / 20	20 / 20	20 / 20
MAINS CABLE No. Cores		4 + earth	4 + earth	4 + earth	4 + earth	4 + earth	4 + earth	4 + earth	4 + earth

PQHY-P200-600Y(S)HM-A Piping Restrictions	
TOTAL PIPING LENGTH	300m max for sizes 200-300 / 500m max for sizes 400-600
FURTHEST PIPING LENGTH	165m max
FURTHEST PIPING LENGTH AFTER 1st BRANCH	40m max
BETWEEN INDOOR AND OUTDOOR UNITS - HEIGHT	50m max (40m max if outdoor installed below)
BETWEEN INDOOR AND INDOOR UNITS - HEIGHT	15m max

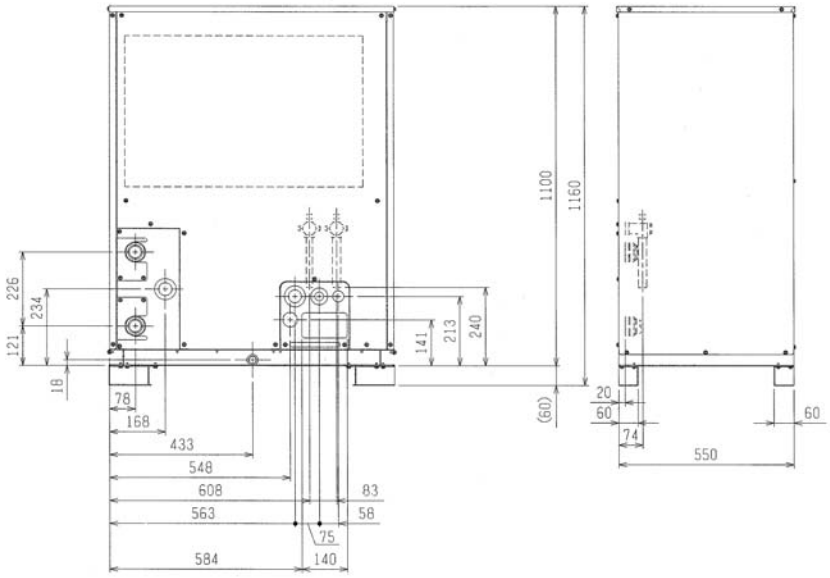
PQHY-P200, 250, 300YHM-A

Upper View >

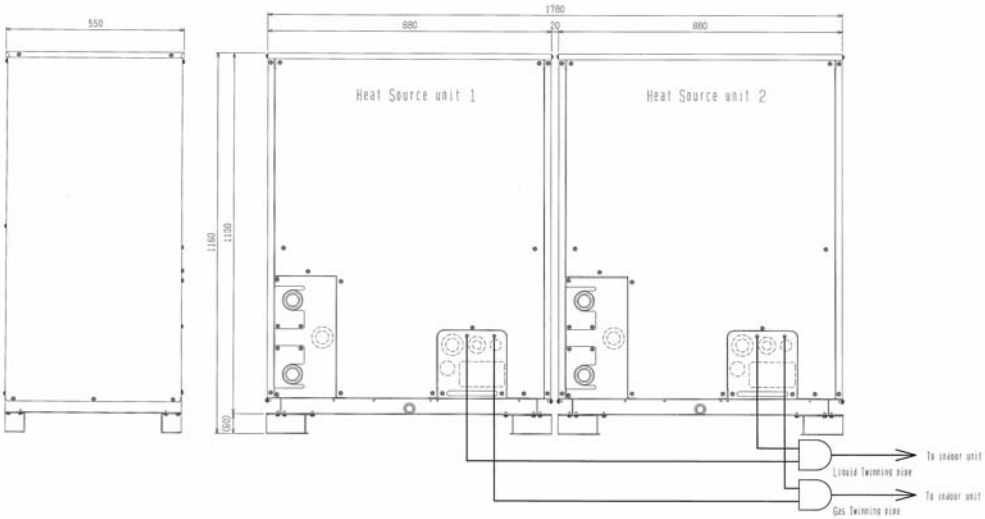


Front View >

Right Side View >



PQHY-P400, 450, 500, 550, 600YSHM-A

Left Side View >

Front View >