

# WY Series (8-20hp)

## R410A Heat Pump, Water Cooled Condensing Unit

New Series

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.

- > High COPs possible thanks to increased efficiency and careful control of the system, allowing the largest operational water circuit temperature band ever
- > Combining WY with waste heat energy provides unique application solutions
- > Up to 24 indoor units can 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 up to 20hp
- > Improved pipe run of 150m with a total system pipe length of up to 300m
- > 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
- > Now able to operate with closed loop ground source water temperatures, bore hole and slinky applications are now possible



Technical Information >>

### WY SERIES HEAT SOURCE UNIT - 8-20hp

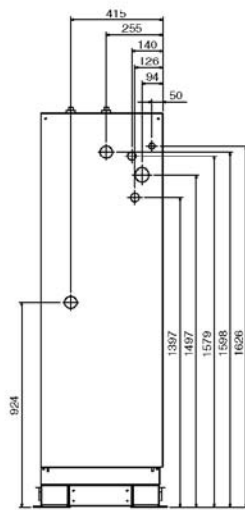
MODEL REFERENCE		PQHY-P200YGM-A	PQHY-P250YGM-A	PQHY-P400YSGM-A	PQHY-P500YSGM-A
CAPACITY (kW)	Heating (nominal)	25.0	31.5	50.0	63.0
	Cooling (nominal)	22.4	28.0	45.0	56.0
POWER INPUT (kW)	Heating (nominal)	4.69	5.80	11.01	13.60
	Cooling (nominal)	4.79	5.95	11.35	15.06
MAX No. OF CONNECTABLE INDOOR UNITS		13	16	22	24
NOISE (dBA)		46	47	50	53
WEIGHT (kg)		272	275	208 + 244	208 + 248
DIMENSIONS (mm)	Width	990	990	1980	1980
	Depth	550	550	550	550
	Height	1800	1800	1800	1800
ELECTRICAL SUPPLY		380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz	380-415v, 50Hz
PHASE		3	3	3	3
STARTING CURRENT (A)		8	8	8	8
RUNNING CURRENT (A)	Heating	7.2	8.9	17.0	21.0
	Cooling	7.4	9.1	17.5	23.3
FUSE RATING (BS88) – HRC (A)		20	25	40	50
MAINS CABLE No. Cores		4 + earth	4 + earth	4 + earth	4 + earth

### PQHY-P200-500Y(S)GM-A Piping Restrictions

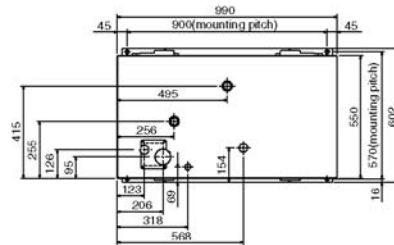
TOTAL PIPING LENGTH	300m max
FURTHEST PIPING LENGTH	150m max
FURTHEST PIPING LENGTH AFTER 1st BRANCH	40m max
BETWEEN INDOOR AND OUTDOOR UNITS - HEIGHT	50m max (40m max if outdoor installed below)
BETWEEN INDOOR AND INDOOR UNITS - HEIGHT	15m max

## PQHY-P200, 250YGM-A

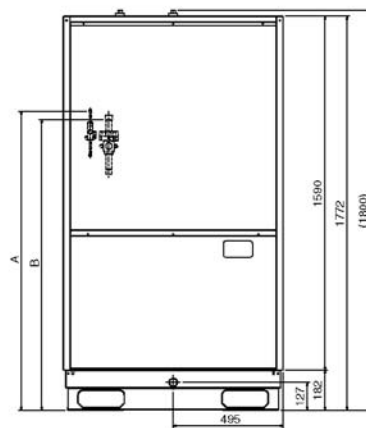
Left Side View >



Upper View >



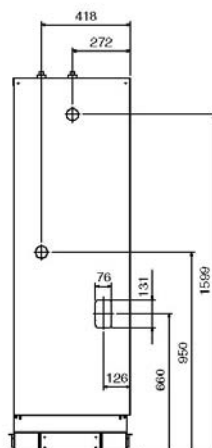
Front View >



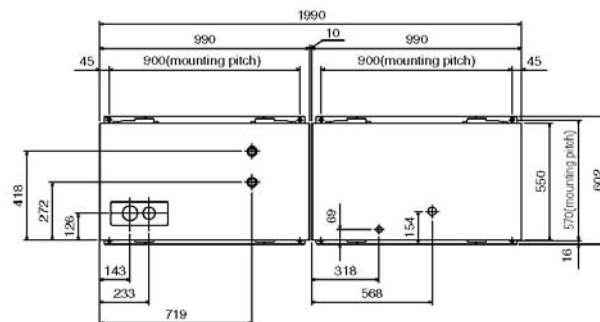
Model	A	B
P200	1346	1289
P250	1346	1290

## PQHY-P400, 500YSGM-A

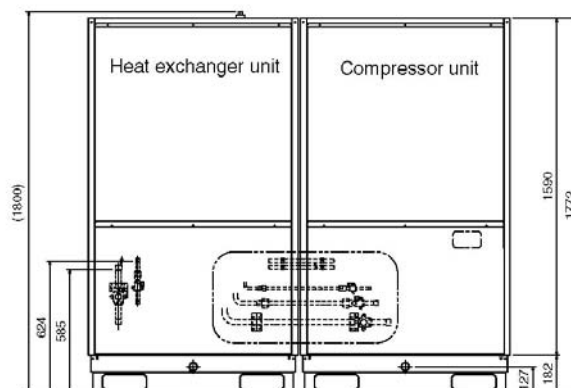
Left Side View >



Upper View >



Front View >



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