

Y Series Zubadan (8-20hp)



Heat Pump Outdoor Unit

Zubadan sets a new standard in performance

The new City Multi Zubadan heat pumps achieve an excellent heating performance even when the outdoor air temperature is as low as -25°C.

- Stable Heating Performance - Full heating capacity at -15°C - a 40% capacity improvement over the standard YHM-A model
- Expanded Heating Operation - Will work effectively even when the outdoor ambient air temperature is -25°C
- Stable Operation - Utilising the new Flash Injection Circuit the Zubadan models have reduced defrost times and can provide continuous heating for up to 250 mins
- Quick Start-Up - Full heating capacity is achieved in about 20 mins, improving comfort levels
- Energy-saving inverter driven outdoor compressor units with very low start currents
- 100% inverter control
- 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



Technical Information

Y SERIES ZUBADAN OUTDOOR UNITS 8-20hp

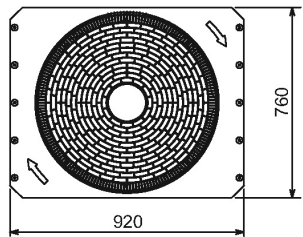
MODEL REFERENCE		PUHY-HP200YHM-A	PUHY-HP250YHM-A	PUHY-HP400YSHM-A	PUHY-HP500YSHM-A
CAPACITY (kW)	Heating (nominal)	25.0	31.5	50.0	63.0
	Cooling (nominal)	22.4	28.0	45.0	56.0
	Heating (UK)	23.0	28.7	44.0	54.8
	Cooling (UK)	21.3	26.6	42.3	51.5
POWER INPUT (kW)	Heating (nominal)	6.52	8.94	13.35	18.04
	Cooling (nominal)	6.40	9.06	12.86	18.16
	Heating (UK)	6.45	8.84	12.95	16.42
	Cooling (UK)	3.97	5.62	9.52	12.71
COPI/EER (nominal)		3.83 / 3.50	3.52 / 3.09	3.74 / 3.49	3.49 / 3.08
MAX No. OF CONNECTABLE INDOOR UNITS		17	21	34	43
AIRFLOW (m ³ /min)	High	225	225	225 / 225	225 / 225
NOISE (dBA)		56	57	59	60
WEIGHT (kg)		220	220	220 + 220	220 + 220
DIMENSIONS (mm)	Width	920	920	920 + 920	920 + 920
	Depth	760	760	760	760
	(1650mm without legs) Height	1710	1710	1710	1710
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	8 / 8
RUNNING CURRENT (A)	Heating	10.0	13.8	20.6	27.8
	Cooling	9.8	14.0	19.8	28.0
FUSE RATING (MCB sizes BS EN 60947-2) - (A)		32	32	32 / 32	32 / 32
MAINS CABLE No. Cores		4 + earth	4 + earth	4 + earth	4 + earth
OPERATING RANGE (Outdoor temp °C) Heating		-25 - 15.5°C	-25 - 15.5°C	-25 - 15.5°C	-25 - 15.5°C

PUHY-HP200-500Y(S)HM-A Piping Restrictions

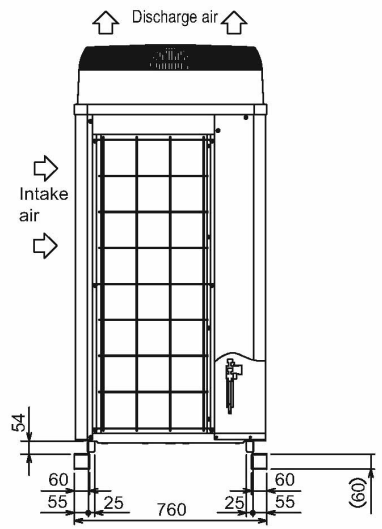
TOTAL PIPING LENGTH	300m max
FURTHEST PIPING LENGTH	150m max
FURTHEST PIPING LENGTH AFTER 1st BRANCH	40m max
BETWEEN INDOOR AND OUTDOOR UNITS - HEIGHT	50m max (40m max if outdoor installed below)
BETWEEN INDOOR AND INDOOR UNITS - HEIGHT	15m max

PUHY-HP200, 250YHM-A

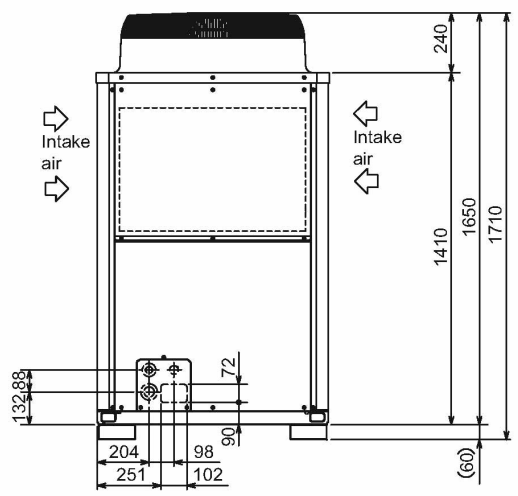
Upper View >



Side View >

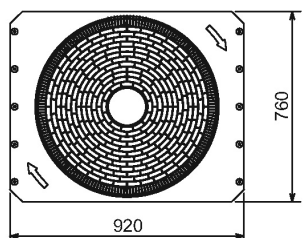


Front View >

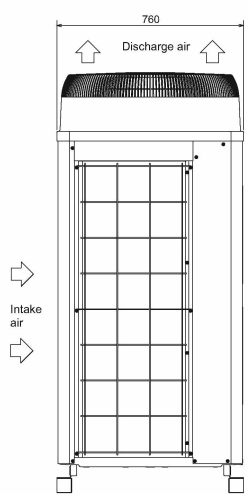


PUHY-HP400, 500YSHM-A

Upper View >



Side View >



Front View >

