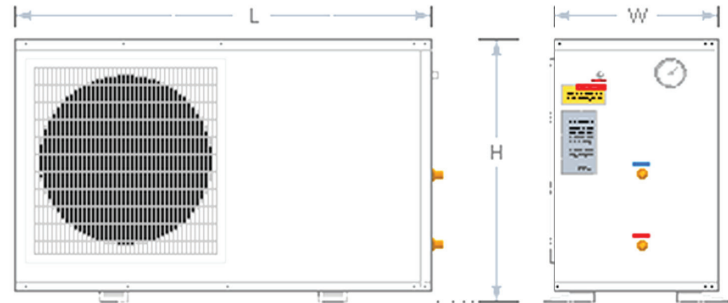


JETT AIR-SOURCED INTEGRAL SPLIT TYPE HEAT PUMP
WHM (W) HB SERIES


SHOP DRAWING
Air Sourced Integral Split Type Heat Pump (WHM-W-HB Series)


WORKING PRINCIPLE

JETT Air-to-water (or air sourced) Integral Split Type Heat Pump Hot Water System works by using decalescence medium (secondary refrigerant) inside the equipment to collect heat energy from the air (ambient), and compress it by the compressor, and then make the secondary refrigerant transfer the compressed and intensified heat to the water through the heat exchanger. It expulses cold air while in operation to heat water.

The ratio of output energy and input energy, which is also known as Coefficient Of Performance (COP) is between the range of 2.8 (280%) – 3.8 (380%). Comparatively, heat pump uses less energy than conventional water heaters like electric – resistance water heater with average efficiency ratio of .95 (95%) and gas or oil-fired water heaters with average efficiency of .6 - .8 (60% - 80%)

TECHNICAL INFORMATION AND SPECIFICATION

MODEL CODE		WHM – W – 95HB		WHM – W – 125HB	
RATED HEATING CAPACITY	Kilowatts	9.5		12.5	
	BTU/hr	32000		42000	
POWER SUPPLY	V / PH / Hz	220 – 240 VAC / 1P / 60 Hz			
POWER INPUT	Kilowatts	2.2		2.8	
RUNNING CURRENT	Amperes	11.3		13.2	
RECOVERY RATE @ 30 °C temp rise	LPH	272		358	
RECOVERY RATE @ 40 °C temp rise	LPH	203		268	
THERMOSTAT FACTORY SETTING	°C	55°C			
THERMOSTAT MAX. SETTING	°C	60°C			
WATER CONNECTIONS	inch mm	1"	25	1"	25
COMPRESSOR (Quantity and Capacity)	Qty HP	1 unit	3.0 HP	1 unit	3.7 HP
REFRIGERANT TYPE		R407C / R22			
FAN MOTOR QUANTITY		1		1	
FAN MOTOR INPUT	Watts	40		80	
FAN SPEED	RPM	850		850	
NOISE LEVEL	dB (A)	53		53	
UNIT DIMENSION	L	1010		1030	
	W	360		430	
	H	600		650	
PACKING DIMENSION	L	1100		1170	
	W	410		470	
	H	660		750	
WEIGHT	NET	72		82	
	GROSS	76		86	

MEASURING CONDITIONS	AMBIENT TEMPERATURE		WATER INLET / OUTLET	
	Dry Bulb	Wet Bulb	Inlet Temperature	Outlet Temperature
	24°C	19°C	25°C	55°C

HEAT-UP TIME / UNIT (@ 30°C temp rise)	MODEL	50 Gals / 189 L	100 Gals / 379 L	200 Gals / 757 L	300 Gals / 1135 L
	WHM (W) 95 HB	42 min	1.4 hours	2.8 – 3.0 hours	4.2 – 4.4 hours
	WHM (W) 125 HB	32 min	1.0 – 1.1 hours	2.1 – 2.2 hours	3.2 – 3.3 hours