



TECHNICAL SPECIFICATIONS

PACKAGED HEAT PUMP



MODEL – 132.6.00.P.H.A

		UNIT OF MEASURE	VALUE OR DESCRIPTION
Performance	Nominal Tonnage	Ref. Ton	11
	ARI Net Cooling Capacity	BTU/h	132,000
	Cooling COP	at 95°F	1.1
	Nominal Indoor Air Flow	CFM	4400
	Heating Capacity	BTU/h	142,000
	Heating COP	at 47°F	1.4
	Operating Sound	db	~70
Dimensions	Height		4'-1/2"
	Width	Ft / Inches	8'-0"
	Depth		5'-4"
	Weight	Lbs.	2100
Electric Characteristics	Voltage & Phase	Volts	208 VAC Single or Three Phase
	Starting current (maximum)	Amps	25/3ph & 40/1ph
	Power consumption (cooling & heating)	kW	3.3
	Operating current (cooling & heating)	Amps	MCA 15/3ph & 30/1ph
Energy Consumption	Cooling	BTU/h	118,000
	Heating		101,000
Engine	Type		Water-cooled straight 4-cycle OHV
	Exhaust volume	Liter	0.952
	Rated output	Hp	16.6
	Starting system		AC/DC conversion DC starter
	Speed range (cooling)	rpm	1,300 ~ 2400
	Speed range (heating)	rpm	1,300 ~ 2400
	Lubricant type		AISIN Gas Engine Oil L-10,000G
	Lubricant amount	Liter	35.0
	Exhaust port position		Top
Engine Coolant	Type		AISIN Coolant S
	Enclosing capacity	Liter	15
	Concentration	Vol %	50
	Freezing temperature	°F	-4
	Pump type		Seal-less magnetic drive
	Pump motor output	Hp	1/3

HEAT. COOL. SAVE.

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Compressor	Type & number of units		Scroll Type (x2)
	Displacement	cm ³ /rev	52x2
	Revolution range	rpm	2805–4080 (cooling), 2805–4080 (heating)
	Specified refrigerant oil		AISIN NL10
	Enclosing Capacity	L	2
	Power transferring method		Poly V-belting (1pc)
Refrigerant	Type		R410A
	Amount	lbs	25
Outdoor Coil Data	Face area & number of rows	ft ²	29 & 2
	Fin type		Sine wave fin / 18fpi
	Air flow	CFM	8000
	Tube diameter	Inch	5/16
Indoor Coil Data	Face area & number of rows	ft ²	16.04 & 4
	Fin type		Sine wave fin / 16fpi
	Air flow	CFM	4400
	Tube diameter	Inch	5/16
Engine Radiator	Face area & number of rows	ft ²	5.8 & 2
	Fin type		Corrugated fin
	Air flow	CFM	2000
	Tube diameter	Inch	1/2
	Exhaust gas heat exchanger		Shell & tube
	Air port (intake & outlet)		Front & rear side (intake), top face (outlet)
	Exhaust heat recovery system		Plate-type (refrigerant heating)
	Defrosting system		Hot gas bypass system
Outdoor Fan	Type & number of units		Direct drive prop fan (x2)
	Fan diameter	Inch	24
	Rated air amount	CFM	10,000
	Motor type		208VAC 1 phase sheave 2TB80
	Motor rated power / speed	Hp / rpm	0.75 / 1075
Indoor Fan	Blower size & quantity	Inch	15x15" (x1)
	Type & frame size		Centrifugal & 145T
	Motor sheave		Browning 2-groove variable pitch 2VP42X 7/8
	Blower sheave		Browning dual sheave 2TB80 - H1
	Motor Power	Hp / rpm	2 / 1725
	Filters (quantity & size)	Inches	6 (20x20x2)

NOTE 1) Cooling & heating capacities & electrical characteristics listed above are the values measured at Oak Ridge National Laboratory test chamber.