NEXTAIRE™

MULTI-ZONE GAS HEAT PUMP

TECHNICAL SPECIFICATIONS

NATURAL GAS DRIVEN PACKAGED HEAT PUMP

MODEL – 132.6.00.P.H.A

		UNIT OF MEASURE	VALUE OR DESCRIPTION
Performance	Nominal Tonnage	Ref. Ton	11
	ARI Net Colling Capacity	BTU/h	132,000
	Cooling COP	at 95°F db	1.1
	Nominal Indoor Air Flow	CFM	4400
	Heating Capacity	BTU/h	142,000
	Heating COP	at 47°F db	1.4
	Operating Sound	db	~70
Dimensions	Height	Ft / Inches	4'1/2"
	Width		8'
	Depth		5'4"
	Weight	Lbs.	2100
Electric Characteristics	Voltage & Phase	Volts	208 VAC & Single or Three Phase
	Starting current	Amps	25
	Power consumption (cooling & heating)	kW	3.3
	Operating current (cooling & heating)	Amps	15.9
Energy Consumption	Cooling	BTU/h	118,256
	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	1,000 ~ 2400
	Speed range (heating)	rpm	1,000 ~ 2800
	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

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Compressor	Type & number of units		Scroll Type (x2)
	Exclusion Capacity	cm^3/rev	52x2
	Revolution range	rpm	1700~4080 (cooling), 1700~4760 (heating)
	Specified refrigerant oil		NL10
	Enclosing Capacity	L	4
	Power transferring method		Poly V-belting (1pc)
Refrigerant	Type		R410A
	Amount	lbs	24
Condenser 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
Evaporator Coil Data	Face area & number of rows	ft^2	14.6 & 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	16 & 4
	Fin type		Corugated 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		230VAC 1 phase sheave 2TB80
	Motor rated power / speed	Hp / rpm	07.5 / 1075
Indoor Fan	Blower size & quantitiy	Inch	15x15” (x1)
	Type & frame size		Centrifugal & 56
	Motor sheave		Browning 2-groove variable pitch 2VP42 7/8
	Blower sheave		Browning dual sheave 2TB80
	Motor Power	Hp / rpm	2 / 1725
	Filters (quantity & size)	Inches	6 (16x20x2”)

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