Endeavor® Line (-)P14AY iM Heat Pumps
Cooling Efficiencies up to: 15.2 SEER2/11.7 EER2
Heating Efficiencies up to: 7.8 HSPF2
Nominal Sizes: 1.5 to 5 Ton [5.3 to 17.6 kW]
Refrigerant Type: R-454B

JOB NAME _____ LOCATION _____

CONTRACTOR _____ ORDER NO. _____

ENGINEER _____ UNIT MODEL NO. _____

SUBMITTED FOR ☐ APPROVAL ☐ RECORD COIL MODEL NO. _____

DATE _____ AIR HANDLER MODEL NO. _____

UNIT DATA

COOLING PERFORMANCE

EFFICIENCY ..... _____ SEER

TOTAL CAPACITY* ..... _____ MBH [kW]

SENSIBLE CAPACITY*..... _____ MBH [kW]

OUTDOOR DESIGN TEMP..... _____ °F [°C] DB

TEMP. OF AIR ENTERING EVAPORATOR COIL..... _____ °F [°C] DB

_____ °F [°C] WB

POWER INPUT REQUIREMENT ..... _____ kW

(*uses blower motor heat)

HEATING PERFORMANCE

EFFICIENCY ..... _____ HSPF

TOTAL CAPACITY* ..... _____ MBH [kW]

OUTDOOR DESIGN TEMP..... _____ °F [°C] DB

TEMP. OF AIR ENTERING EVAPORATOR COIL..... _____ °F [°C] DB

SUPPLY AIR BLOWER PERFORMANCE

TOTAL AIR SUPPLY..... _____ CFM [L/s]

TOTAL RESISTANCE EXTERNAL TO UNIT..... _____ IWG

BLOWER SPEED..... _____ RPM

POWER OUTPUT REQUIREMENT..... _____ BHP

MOTOR RATING ..... _____ HP [W]

POWER INPUT REQUIREMENT ..... _____ kW

ELECTRICAL DATA

POWER SUPPLY..... _____ Hz

TOTAL UNIT AMPACITY..... _____ AMPS

MINIMUM WIRE SIZE..... _____ AWG

MAXIMUM OVERCURRENT DEVICE FUSES/HACR BREAKER..... _____ AMPS

CLEARANCES

ACCESS SIDE	24" [609.6 mm]
AIR INLETS	12" [304.8 mm]
ABOVE UNIT	60" [1524 mm]

FEATURES

- **Two-Stage Scroll Compressor[1]:** Features two speeds (high and low) of cooling and heating, providing more precise temperature control, lower humidity and greater efficiency when compared to single stage compressors
- **Inverted Reversing Valve:** Allows for faster heat transfer with gravity assist shifting and reduced joint stress for increased reliability
- **PlusOne® Expanded Valve Space:** 3 in. – 4 in. – 5 in. service valve space—provides a minimum working area of 27-square inches for easier access
- **PlusOne® Triple Service Access:** 15 in. wide, industry leading corner service access, two fastener, removeable corner and individual louver panels—makes repairs easier and faster
- **Designing for Sustainability with Low GWP:** For 2025, the Environmental Protection Agency (EPA) has set a global warming potential (GWP) limit of 700 for refrigerant used in heating and cooling systems. This new requirement will result in a 78%[2] lower GWP than previous-generation refrigerants - with only minimal changes to system installation. For us, this is another step toward our continued sustainability goal of reducing greenhouse gas emissions, while still delivering an exceptional level of energy efficient, dependable comfort
- **PlusOne® Refrigerant Detection System™[3]:** An integrated one-box, patented design featuring the A2L sensor and mitigation board, offering easier commissioning with a single component and simplified wiring configuration, compatibility with any 24V thermostat application and system protection by automatically pausing outdoor unit operation — if excess refrigerant is detected

ACCESSORIES/OPTIONS

Compressor Crankcase Heater..... ☐

Low Ambient Control..... ☐

Compressor Sound Cover..... ☐

Compressor Hard Start Kit..... ☐

Low Pressure Control..... ☐

High Pressure Control..... ☐

Classic Top Cap w/Label (91-101123-21)..... ☐

Liquid Line Solenoid (24 VAC, 50/60 Hz)..... ☐

Liquid Line Solenoid (120/240 VAC, 50/60 Hz)..... ☐

[1]Does not apply to the 1.5 Ton 1-stage model

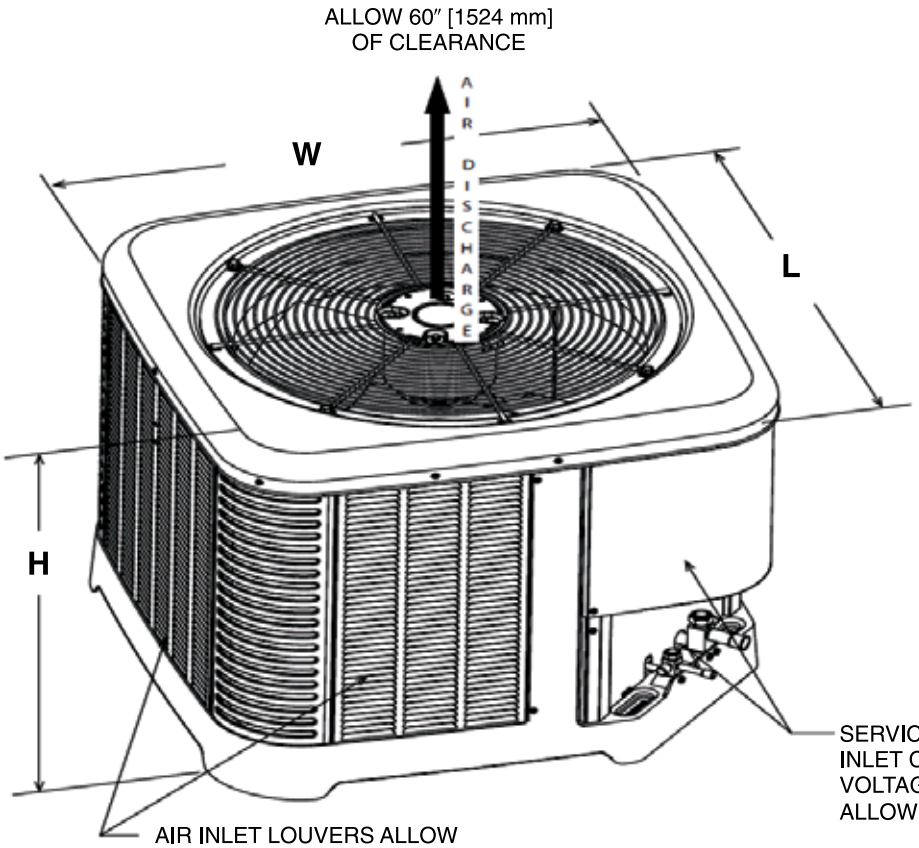
[2]When comparing the GWP of A2L refrigerants to A1 or R-410A refrigerant

[3]Factory or field installed in the furnace coil or air handler and is applicable to the complete heating and cooling system featuring Low GWP Refrigerant (A2L)

ISO 9001:2015 c UL us LISTED AHRI CERTIFIED Low GWP Refrigerant ENERGY STAR

Proper sizing and installation of equipment is critical to achieve optimal performance. Split system air conditioners and heat pumps must be matched with appropriate coil components to meet ENERGY STAR®. Ask your Contractor for details or visit www.energystar.gov.

(-)P14AY



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Unit Dimensions

MODEL NO.	OPERATING						SHIPPING					
	H (Height)		L (Length)		W (Width)		H (Height)		L (Length)		W (Width)	
	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm
(-)P14AY18A	25.00	635	29.75	756	29.75	756	26.50	673	32.38	822	32.38	822
(-)P14AY24A	25.00	635	29.75	756	29.75	756	26.50	673	32.38	822	32.38	822
(-)P14AY30A	27.00	686	33.75	857	33.75	857	28.50	724	36.38	924	36.38	924
(-)P14AY36A	35.00	889	33.75	857	33.75	857	36.50	927	36.38	924	36.38	924
(-)P14AY42A	35.00	889	33.75	857	33.75	857	36.50	927	36.38	924	36.38	924
(-)P14AY48A	35.00	889	33.75	857	33.75	857	36.50	927	36.38	924	36.38	924
(-)P14AY60A	39.00	991	35.75	908	35.75	908	40.50	1029	38.38	975	38.38	975

[ ] Designates Metric Conversions

Before proceeding with installation, refer to installation instructions packaged with each model, as well as complying with all Federal, State, Provincial, and Local codes, regulations, and practices.

5600 Old Greenwood Road
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