

Project Name: **R454B York HP Condensing Units-cfm Distributors**

Unit Model #: **YH560E2S11**

Quantity: **1**

Cooling Performance

Total net capacity	56.9 MBH
Sensible net capacity	41.6 MBH
Seasonal Efficiency (at ARI)	15.20 SEER2
Efficiency (at ARI)	11.70 EER2
Ambient DB temp.	95.0 °F
Leaving air temp dew point	56.00 °F
Power input	4.76 kW

Hangtag Ratings

Hangtag Cooling	14.30 SEER2
Hangtag Heating	7.50 HSPF2

Refrigerant

Refrigerant type	R-454B
Data plate charge with 15' lineset	10 lb 5 oz

Heat Pump Performance

Heating output capacity	61.4 MBH
Supply air	2000 cfm
Ambient DB temp.	47 °F
Entering DB temp.	60 °F
Leaving DB temp.	91.6 °F
Air temp. rise	31.6 °F
Power Input	4 kW
Cop	4.6 COP
HSPF2	7.8

Electrical Data

Power supply	208/230-1-60
Unit min circuit ampacity	39.1 A
Unit max over-current protection	60 A

Outdoor Unit Shipping Dimensions & Weight

Hgt	43 in	Len	37 in	Wth	34 in
Weight with factory installed options	255 lb				

Heat pump performance shown is with a basic air handler.

Actual performance will vary, depending on the actual indoor unit /coil used in your system.



5 Ton

Product Features

- The YH5 models are the newest offering in our successful LX Series split system heat pump lineup. These R-454B outdoor units are optimized to meet the 25C energy efficiency levels (15.2 SEER2 / 7.8 HSPF2) when paired with an air handler. This product family has been designed to be compatible with indoor coils, furnaces, and air handlers to provide a complete system solution.

Unit Features

- Two-Stage Operation** - Unit utilizes a new two-stage compressor for improved efficiency
- Easier Installation** - Independent panels provide quick access for unit setup. Installation time is reduced by easy power and control wiring access. All models utilize TXV's. The field-installed filter-drier and factory charge for a 15-Ft lineset means less time spent brazing and charging the system. The small base dimension and reduced unit clearances make for easier retrofits.
- Accessible Information** - QR code on unit provides quick access to technical documents and warranty information.
- Durable Finish** - The coated steel wire fan guard, coated external fasteners, and pre-treated G90-equivalent galvanized steel chassis components resist corrosion and rust creep. Powdercoat paint further protects external panels.
- Quality Coils** - Enhanced aluminum fins are mechanically bonded to copper tubing.
- Rugged Coil Protection** - Coils are protected from mechanical damage by a proven stamped steel coil guard design.
- Protected Compressor** - Compressors are protected internally by a high pressure relief valve and a temperature sensor, and externally by the system mechanical high and low pressure switches.
- Reliable Operation** - Ball bearing fan motors provide superior performance in extreme temperatures. Factory installed accumulator ensures proper functioning across a wide range of conditions.
- Environmentally Friendly** - CFC-free LGWP R-454B refrigerant delivers environmentally friendly performance with zero ozone depletion.
- Low Operating Sound Levels** - Developed using CFD and FEA tools, the sturdy cabinet and top design provides sound performance of 76 dBA or lower. Compatible accessories for further sound reduction are also available.
- Better Service Access** - Diagonal base valves with open access for low-loss fittings, single panel access to the electrical controls, full corner access, and removable fan guard allow easy access for unit maintenance.

Warranty

- Standard 5-Years parts
- 10 Years compressor limited warranty
- Extended 10 Years parts limited warranty with registration



Residential Split
Split-System Outdoor

Project Name: **R454B York HP Condensing Units-cfm Distributors**

Unit Model #: **YH560E2S11**

Quantity: **1**

Factory Installed Options

YH560E2S11

Equipment Options		Option(s) Selected
Brand:	Y	York Brand
Unit Type:	H	Heat Pump
Efficiency:	5	15.2 SEER2
Capacity:	60	5.0 Tons
Refrigerant:	E	R-454B Refrigerant
Voltage:	2	208/230-1-60
Controls:	S	Standard (Conventional) Controls
Factory-Installed Options:		1
Generation:	1	

Project Name: **R454B York HP**
Condensing Units-cfm Distributors

Unit Model #: **YH560E2S11**

Quantity: 1

Physical and Electrical

Physical and electrical data

Unit model	YH518E2S11	YH524E2S11	YH536E2S11	YH548E2S11	YH560E2S11
Unit supply voltage	208-230 V, 1 Ph, 60 Hz				
Normal voltage range (V) ¹	187 to 252				
Minimum circuit ampacity (A)	9.2	15.0	20.4	27.2	33.7
Maximum overcurrent device (A) ²	15	25	30	45	50
Minimum overcurrent device (A) ³	15	15	25	30	35
Compressor	Type	Single-stage rotary	Two-stage scroll	Two-stage scroll	Two-stage scroll
	Rated load (A)	6.7	10.2	14.5	20.0
	Locked rotor (A)	33	62.0	76.0	141.0
Crankcase heater	Yes	No	No	No	No
Factory external discharge muffler	Yes	Yes	Yes	Yes	Yes
Hard start kit required with TXV ⁴	Yes	No	No	No	No
Fan diameter (in.)	18	22	22	24	24
Fan motor	Type	PSC	ECM	ECM	ECM
	Rated HP	1/12	1/3	1/3	1/3
	Rated load (A)	0.64	2.20	2.20	2.20
	Nominal RPM	1000	834	875	875
	Nominal CFM	2100	2900	3055	4000
Coil	Face area (sq ft)	14.5	14.6	17.9	23.8
	Rows deep	1	1	1	2
	Fins per inch	22	22	22	18
Liquid refrigerant piping outdoor (field-installed)	3/8	3/8	3/8	3/8	3/8
Vapor refrigerant piping outdoor (field-installed) ⁵	3/4	3/4	3/4	7/8	1 1/8†
Unit charge (lb - oz) ⁶	3 - 12	5 - 4	5 - 1	8 - 6	10 - 5
Charge (oz/ft)	0.57	0.57	0.57	0.60	0.67
Operating weight (lb)	124	162	176	232	255

1. Rated in accordance with AHRI Standard 110-2012, utilization range A.

2. Dual element fuses or HACR circuit breaker. Maximum allowable overcurrent protection.

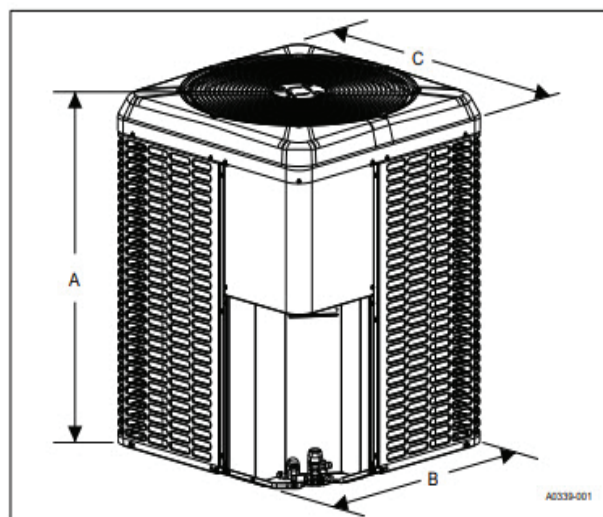
3. Dual element fuses or HACR circuit breaker. Minimum recommended overcurrent protection.

4. Refer to the *Hard Start Kit Accessory Installation Manual* for the hard start kit part number for each model. Most hard start kits are a field installed accessory. Unit model YH518E2S11 contains a factory installed hard start kit.

5. For applications with non-standard vapor line sizes, refer to the *Applications and Accessories* section in the *Technical Guide*.

6. The unit charge is correct for the outdoor unit, smallest matched indoor unit, and 15 ft of refrigerant tubing. For tubing lengths other than 15 ft, add or subtract the amount of refrigerant, using the difference in actual refrigerant piping length (not the equivalent length) multiplied by the per foot value.

† The adapter fitting must be field-installed for the required 1 1/8 in. of refrigerant piping.



Dimensions

Unit model	Dimensions (in.)			Refrigerant connection service valve size (in.)	
	A	B	C	Liquid	Vapor
YH518E2S11	36 1/4	24	24	3/8	3/4
YH524E2S11	30	29 1/4	29 1/4		
YH536E2S11	36 1/4	29 1/4	29 1/4		7/8
YH548E2S11	39 1/2	35 1/4	31 3/4		
YH560E2S11	39 1/2	35 1/4	31 3/4		7/8†

Notes:

All dimensions are in inches and are subject to change without notice.

The overall height is from the bottom of the base pan to the top of the fan guard.

The overall length and width include screw heads.

† The adapter fitting must be field-installed for the required 1 1/8 in. of refrigerant piping.

Project Name: **R454B York HP Condensing Units-cfm Distributors**

Unit Model #: **JHE60D5CH2SS1**

Quantity: **1**

System: **YH560E2S11,JHE60D5CH2SS1**

Cooling Performance

Total net capacity	56.9 MBH
Sensible net capacity	41.6 MBH
Entering DB temp.	80.0 °F
Entering WB temp.	67.0 °F
Unit Leaving DB temp.	58.6 °F
Unit Leaving WB temp.	57.0 °F

Supply Air Blower Performance

Supply air	1800 cfm
Ext. static pressure	0.6 IWG
Blower speed description	T9
Motor rating	0.75 HP
Elevation	0 ft
Drive type	DIRECT

Indoor Electrical Data

Power supply	230-1-60
Unit min circuit ampacity	8.50 A
Unit max over-current protection	15 A

Indoor Unit Shipping Dimensions & Weight

Hgt	65 in	Len	25 in	Wth	25 in
Weight with factory installed options	146 lb				

Matchup Information

AHRI Reference Number	214424699
AHRI Rated Capacity	56.9 MBH
AHRI Rated Efficiency	15.2 SEER2

Note: Please refer to the tech guide for actual unit dimensions

Note: Please refer to the tech guide for listed maximum static pressures



Product Features

- The JHE Air Handler line offers the ultimate in comfort, sound and application flexibility. This unit may be used for upflow, downflow, horizontal right, or horizontal left applications. No special kits are required to install this product. All JHE Air Handler units come with a factory-installed TXV

Unit Features

- Next Generation 9-Speed Blower - Delivers increased airflow and reduced blower watts by 10%, using a standard ECM motor
- (RDS) A2L Sensor Factory Installed
- Two-Stage Operation - Provides flexibility in application with single and two-stage outdoor equipment
- MaxAlloy™ Coil - Long life aluminum coils built to deliver lasting performance, efficiency, and reliability
- A2L Refrigerant Design - For use with new R454 Refrigerant
- Next Generation Even-Flow Distributor - Designed for balanced refrigerant flow and even coil circuit performance
- Next Generation Insulation and Gasket Design - reduces thermal transmission paths and reduces sweating
- Electric Heat Kit - 8HK field-installed series available for easy installation and service application
- Tool-less Filter Access - Sliding latch design provides quick and easy access
- Designed For Easy Installation and Service - Casing size of 20.5 in., smooth sides, and rigid construction provide ease of attic access and tight applications. Front facing components, slide out blower, laser cut knock outs and integrated duct flanges shorten install time
- Cabinet Air Leakage - Less than 2% at 1 in. W.C. external static pressure when tested in accordance with ASHRAE Standard 193
- Long Lasting Quality - Structural components made of post-powder painted aluminum or galvanized steel to prevent corrosion
- Thermoset Drain Pan - Positive slope for drainage to reduce cause for potential mold or contaminants

Warranty

- Standard 5-year limited parts warranty.
- Extended 10-year limited parts warranty when product is registered online within 90 days of purchase for replacement or closing for new home construction.