



YORK LX Series YC6 Models
16+ SEER2 Split-System Air Conditioner - Single-Phase
R-454B - 1.5 nominal ton to 5 nominal ton

Description

The YC6 models are part of our successful 16+ SEER2 Regional Minimum Efficiency product line available in all regions of the United States and Canada. These outdoor units are specifically designed to be matched with our residential indoor coils, furnaces, and air handlers to provide a complete system solution.

Figure 1: Installation map

FOR INSTALLATION IN ALL US REGIONS AND CANADA



SEER2 [13.80 to 18.00]
EER2 [11.25 to 14.50]
Cooling capacity [17700 to 59000]



Warranty summary

Standard 5-year limited parts warranty.

Standard 10-year limited compressor 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.

The warranty does not apply to internet sales.

Refer to the limited warranty certificate in the *User's Information Manual* for details.

Tabular Data Sheet

LX Series Split System Air Conditioners

16+ SEER2 – R-454B – 1 Phase – 1.5 to 5 Nominal Ton

Models: YC618 to 60

Physical and electrical data

Model		YC618E2S11	YC624E2S11	YC636E2S11	YC648E2S11	YC660E2S11
Unit supply voltage		208-230 V, 1 ϕ , 60 Hz				
Normal voltage range ¹		187 to 252				
Minimum circuit ampacity		9.3	13.6	19.2	27.3	31.6
Maximum overcurrent device (A) ²		15	20	30	45	50
Minimum overcurrent device (A) ³		15	15	20	30	35
Compressor	Type ⁴	1-stage rotary	2-stage scroll	2-stage scroll	2-stage scroll	2-stage scroll
	Rated load (A)	6.7	10.3	14.5	20.1	23.7
	Locked rotor (A)	33	62	76	141	123
Crankcase heater		No	No	No	No	No
Factory external discharge muffler		No	No	No	No	No
Hard start kit required with TXV ⁵		No	No	No	No	No
Hard start kit part number (S1-2SA067*****)		22006	10106	10106	10106	10106
Fan diameter (in.)		22	22	26	26	26
Fan motor	Type	ECM	ECM	ECM	ECM	ECM
	Rated HP	1/3	1/3	1/3	1/3	1/3
	Rated load (A)	2.0	2.0	1.4	2.0	2.0
	Nominal RPM	917	917	682	917	917
	Nominal CFM	2575	2575	3500	4275	4275
Coil	Face area (sq ft)	17.31	13.79	23.33	25.88	27.98
	Rows deep	1	1	1	1	1
	Fins per inch	23	23	23	23	23
Liquid refrigerant piping outdoor (field-installed)		3/8	3/8	3/8	3/8	3/8
Vapor refrigerant piping outdoor (field-installed) ⁶		3/4	3/4	3/4	7/8	1 1/8†
Unit charge (lb - oz) ⁷		3-10	3-0	3-8	4-11	5-8
Charge (oz/ft)		0.57	0.57	0.57	0.60	0.67
Operating weight (lb)		165	150	235	250	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.

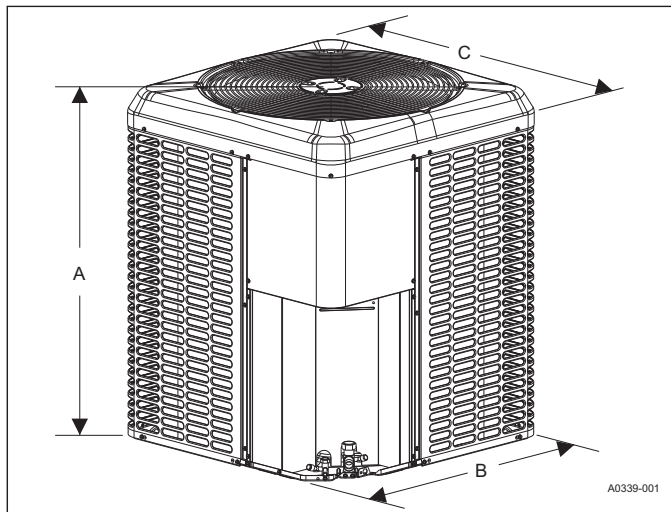
4. Rotary compressor models are limited to an equivalent length of refrigerant piping of 75 ft with no exceptions.

5. Refer to the *Hard Start Kit Accessory Installation Manual* for the hard start kit part number for each model. The hard start kit is a field-installed accessory.

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

7. 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. refrigerant piping.



Dimensions

Unit model	Dimensions (in.)			Refrigerant connection service valve size (in.)	
	A	B	C	Liquid	Vapor
YC618E2S11	36 1/4	29 1/4	29 1/4	3/8	3/4
YC624E2S11	30	29 1/4	29 1/4		
YC636E2S11	36 1/4	38	34 1/4		7/8
YC648E2S11	39 1/2	38	34 1/4		
YC660E2S11	42 3/4	38	34 1/4		

Notes:

† Adapter fitting must be field installed for the required 1 1/8 in. refrigerant piping.

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

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

Overall length and width include screw heads.