

## Residential Technical Services: Service Tips Letter

Letter: STR-009-25

Date: August 20, 2025

To: S1 HVAC Branch and Distributor Principal, Sales Manager, Service Manager, Parts Manager, Warranty Manager, Training Manager, Delegated Administrator.  
Technical Services, Parts/S1, Account Representatives, Marketing, Sales, Warranty teams.

Subject: **Factory refrigerant charge weights**

Product/s: All residential split system outdoor sections.

Dear valued customer

In order to recognize potential confusion regarding factory refrigerant charge weights, please acknowledge the following information. Our residential split system outdoor sections come factory charged for the outdoor section, 15 foot of interconnected refrigeration piping, and the smallest matched indoor section. Each outdoor section comes with a Tabular Data Sheet that is printed on-demand when the unit is being produced so that it contains up-to-date information, such as indoor model numbers, matches, and consequently, factory charge weights.

### Tabular Data Sheet

#### LX Series Split System Air Conditioners 13.4 SEER2 – R-454B – 1 Phase – 1.5 to 5 Nominal Ton Models: YC318 to 60

##### Physical and electrical data

Model	YC318E2S11	YC324E2S11	YC330E2S11	YC336E2S11	YC342E2S11	YC348E2S11	YC360E2S11
Liquid refrigerant piping outdoor (field-installed)	3/8	3/8	3/8	3/8	3/8	3/8	3/8
Vapor refrigerant piping outdoor (field-installed) <sup>6</sup>	3/4	3/4	3/4	3/4	7/8	7/8	1-1/8 <sup>‡</sup>
Unit charge (lb - oz) <sup>7</sup>	2-6	2-12	2-13	2-14	2-15	3-4	3-10
Charge (oz/ft)	0.57	0.57	0.57	0.57	0.60	0.60	0.67

The Physical and electrical data portion (as shown above) provides standard interconnected refrigeration piping sizes, unit factory charge weight, and the charge adder (in ounces per foot) for piping lengths longer than 15 foot. The same charge adder amount should be used to remove refrigerant charge for piping lengths less than 15 foot.

For long line length applications or non-standard piping applications, always consult the piping application guide available on Solution Navigator.

In addition to the Physical and electrical data portion of the Tabular Data Sheet, there is a System charge for various matched systems section as shown below. This section provides detail on what indoor section physically matches with the listed outdoor section and how much additional refrigerant (if any) needs to be added to a system with 15 foot of standard interconnected refrigeration piping size. Any area of the data showing a dash (--) indicates that the indoor section is not a match with the outdoor section and should not be coupled together.

### System charge for various matched systems

Outdoor unit	YC318E2S11	YC324E2S11	YC330E2S11	YC336E2S11	YC342E2S11	YC348E2S11	YC360E2S11
Required indoor metering device <sup>1,2</sup>	5A1	5A1	5A1	5C1	5C1	5C1	5C1
Indoor unit <sup>3,4,5</sup>	Additional charge (oz)						
JHE18B**B	6	—	—	—	—	—	—
JHE24B**C	—	6	—	—	—	—	—
JHE30B**D	—	—	13	—	—	—	—
JHE36(B,C)**D	—	—	13	12	—	—	—
JHE42C**F	—	—	—	—	17	—	—
JHE48(C,D)**G	—	—	—	—	—	16	—
JHE60(C,D)**H	—	—	—	—	—	—	23
JHC18B**B	6	—	—	—	—	—	—
JHC24B**C	—	6	—	—	—	—	—
JHC36(B,C)**D	—	—	13	12	—	—	—
JHC42(C,D)**F	—	—	—	—	17	—	—
JHC48(C,D)**G	—	—	—	—	—	16	—
JHC60(C,D)**H	—	—	—	—	—	—	23
CT(F,M,U)18A**A	4	—	—	—	—	—	—
CTF18B**A	4	—	—	—	—	—	—
CT(F,M,U)24A**B	6	5	—	—	—	—	—
CT(F,M)24B**B	6	5	—	—	—	—	—
CTF30A**D	—	—	13	—	—	—	—
CT(F,M,U)30B**C	—	6	6	—	—	—	—
CT(F,M)30C**C	—	6	6	—	—	—	—
CT(F,M,U)36B**D	—	—	13	12	—	—	—
CTF36B**E	—	—	—	14	—	—	—
CT(F,M)36C**D	—	—	13	12	—	—	—
CTF42C**E	—	—	—	14	14	—	—
CTM42C**E	—	—	—	14	—	—	—
CT(F,M,U)48C**F	—	—	—	—	17	12	—
CT(F,M)48D**F	—	—	—	—	17	12	—
CT(F,M,U)60C**G	—	—	—	—	—	16	19
CT(F,M,U)60D**G	—	—	—	—	—	16	19
CT(F,M)60C**H	—	—	—	—	—	—	23
CT(F,M,U)60D**H	—	—	—	—	—	—	23
CXF18(A,B)**1	0	—	—	—	—	—	—
CXF24(A,B)**2	2	0	—	—	—	—	—
CXF30(B,C)**3	—	3	0	—	—	—	—
CXF30A**4	—	—	1	—	—	—	—
CXF36(B,C)**4	—	—	1	0	—	—	—
CXF42C**5	—	—	—	1	0	—	—
CXF48(C,D)**6	—	—	—	—	2	0	—
CXF60(C,D)**7	—	—	—	—	—	2	0

**Note:** Some of the combinations shown in this table require advanced main air circulating fan indoor product. For approved coil only matches, refer to the *Cooling capacity - upflow, downflow, and horizontal furnaces and coils* table in the *Technical Guide*.

\*\*Note that some of the combinations shown in this table require certain matching indoor air moving sections. Always refer to the AHRI directory for an approved match.

If you have any questions regarding this, feel free to call Technical Services at 1-877-874-7378 and speak with a technical service representative or contact your Regional Technical Service Manager.

Casey McConnaughy  
 Regional Technical Service Manager  
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