TABULAR DATA SHEET

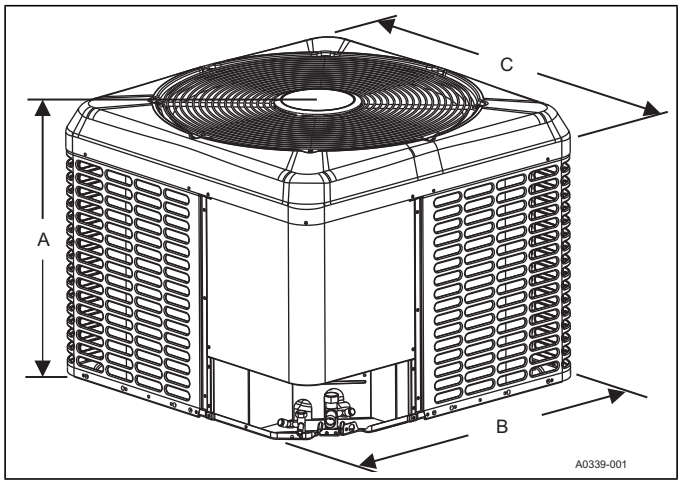
LX SERIES SPLIT SYSTEM AIR CONDITIONERS

17.0 SEER – R-410A – 1 PHASE – 1.5 THRU 5 NOMINAL TONS
MODELS: CC7B18 THRU 60

PHYSICAL AND ELECTRICAL DATA

MODEL		CC7B1821S	CC7B2421S	CC7B3021S	CC7B3621S	CC7B4221S	CC7B4821S	CC7B6021S
Unit Supply Voltage		208-230V, 1ϕ, 60Hz						
Normal Voltage Range [1]		187 to 252						
Minimum Circuit Ampacity		14.0	16.4	18.8	22.0	23.6	25.9	32.4
Max. Overcurrent Device Amps [2]		20	25	30	35	40	40	50
Min. Overcurrent Device Amps [3]		15	20	20	25	25	30	35
Compressor Type		Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Compressor Amps	Rated Load	9.0	10.9	12.8	15.4	16.6	18.5	23.7
	Locked Rotor	47.5	62.9	67.8	83.9	109.0	124.0	152.5
Crankcase Heater		No	No	No	No	No	No	No
Factory External Discharge Muffler		No	No	No	No	No	No	No
HS Kit Required with TXV		No	No	No	No	No	No	No
Fan Diameter Inches		22	22	24	24	26	26	26
Fan Motor	Rated HP	1/3	1/3	1/3	1/3	1/3	1/3	1/3
	Rated Load Amps	2.80	2.80	2.80	2.80	2.80	2.80	2.80
	Nominal RPM	917	917	682	682	875	875	834
	Nominal CFM	2575	2575	3000	3000	4100	4100	4275
Coil	Face Area Sq. Ft.	13.83	13.83	21.06	21.06	25.28	25.28	27.40
	Rows Deep	1	1	1	1	1	1	1
	Fins / Inch	23	23	23	23	23	23	23
Liquid Line Set OD (Field Installed)		3/8	3/8	3/8	3/8	3/8	3/8	3/8
Vapor Line Set OD (Field Installed)[4]		3/4	3/4	3/4	3/4	7/8	7/8	1-1/8‡
Unit Charge (Lbs. - Oz.) [5]		3 - 10	3 - 10	4 - 11	4 - 9	6 - 6	6 - 11	7 - 14
Charge Per Foot, Oz.		0.62	0.62	0.62	0.62	0.67	0.67	0.75
Operating Weight Lbs.		150	150	165	175	220	220	265

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. For applications with non-standard vapor line sizes, see the “Applications & Accessories” section of this Technical Guide.
5. The Unit Charge is correct for the outdoor unit, smallest matched indoor unit, and 15 feet of refrigerant tubing. For tubing lengths other than 15 feet, add or subtract the amount of refrigerant, using the difference in actual lineset length (not the equivalent length) multiplied by the per foot value.



DIMENSIONS

Unit Model	Dimensions (Inches)			Refrigerant Connection Service Valve Size	
	A	B	C	Liquid	Vapor
CC7B1821S	30	29-1/4	29-1/4	3/8	3/4
CC7B2421S	30	29-1/4	29-1/4		
CC7B3021S	36-1/4	35-1/4	31-3/4		
CC7B3621S	36-1/4	35-1/4	31-3/4		
CC7B4221S	39-1/2	38	34-1/4		7/8
CC7B4821S	39-1/2	38	34-1/4		
CC7B6021S	42-3/4	38	34-1/4		7/8‡

‡ Adapter fitting must be field installed for the required 1-1/8” line set.
All dimensions are in inches and are subject to change without notice.
Overall height is from bottom of base pan to top of fan guard.
Overall length and width include screw heads.

SYSTEM CHARGE FOR VARIOUS MATCHED SYSTEMS

Outdoor Unit	CC7B1821S	CC7B2421S	CC7B3021S	CC7B3621S	CC7B4221S	CC7B4821S	CC7B6021S
Required TXV [1,2]	BA1	BA1	BH1	BA1	BB1	BC1	BG1
Indoor Unit [3,4,5]	Additional Charge, oz						
AP18B	0	–	–	–	–	–	–
AP24B	3	0	–	–	–	–	–
AP30B	10	7	2	–	–	–	–
AP36B	10	7	2	0	–	–	–
AP36C	–	11	2	2	–	–	–
AP42C	–	11	4	2	0	–	–
AP48(C,D)	–	–	–	6	5	0	–
AP60(C,D)	–	–	–	10	9	4	0
AE18B	0	–	–	–	–	–	–
AE24B	3	0	–	–	–	–	–
AE30B	8	5	0	–	–	–	–
AE36(B,C)	10	7	4	0	–	–	–
AE42C	–	–	–	6	5	–	–
AE48(C,D)	–	–	–	6	5	0	–
AE60C	–	–	–	10	9	4	0
AE60D	–	–	–	–	29	22	16
AVC18B	0	–	–	–	–	–	–
AVC24B	3	0	–	–	–	–	–
AVC30B	8	5	0	–	–	–	–
AVC36(B,C)	10	7	4	0	–	–	–
AVC42C	–	–	–	6	5	–	–
AVC48(C,D)	–	–	–	6	5	0	–
AVC60C	–	–	–	10	9	4	0
AVC60D	–	–	–	–	29	22	16
CF/CM/CU18(A,B)	0	–	–	–	–	–	–
CF/CM/CU24(A,B)	3	0	–	–	–	–	–
CF/CM/CU30(A,B,C)	8	5	0	–	–	–	–
CF/CM/CU36(A,B,C)	10	7	2	0	–	–	–
CF/CM/CU42(B,C,D)	–	11	4	2	0	–	–
CF/CM/CU48(C,D)	–	–	–	6	5	0	–
CF/CM/CU60(C,D)	–	–	–	10	9	4	0
CF/CM64D	–	–	–	–	29	22	16

Some of the combinations shown in the above System Charge table require Advanced Main Air Circulating Fan indoor product. For approved coil only matches, please see the “COOLING CAPACITY - Upflow, Downflow & Horizontal Furnaces and Coils” table.

FOOTNOTES:

1. For applications requiring a TXV, use S1-1TVM*** series kit.
2. A TXV kit must be used with these indoor units to obtain system performance.
3. Systems matched with furnaces or air handlers not equipped with blower-off delays may require blower Time Delay Kit S1-2FD06700224.
4. CF coils cannot be used in horizontal applications.
5. Charge adders shown above do not indicate that coils are rated for every application. Refer to Performance Data Tables for actual performance for specified system matches. Obtain certified system ratings from www.ahridirectory.org.

CHARGING PROCEDURES:

1. Unit factory charge listed on the unit nameplate includes refrigerant for the outdoor unit, the smallest matched indoor unit, and 15 feet of interconnecting line tubing.
2. Verify the TXV and additional charge required for specific matched indoor unit in the system using the above table.
3. Add additional charge for the amount of interconnecting line tubing greater than 15 feet at the rate specified in Physical and Electrical Data Table.
4. For indoor matches requiring additional charge, the refrigerant needs to be weighed in for specific matched indoor unit and actual lineset length.
5. Permanently mark the unit nameplate with the total system charge. Total System Charge = Base Charge (as shipped) + charge adder for matched indoor unit + charge adder for actual lineset length.

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