

TABULAR DATA SHEET



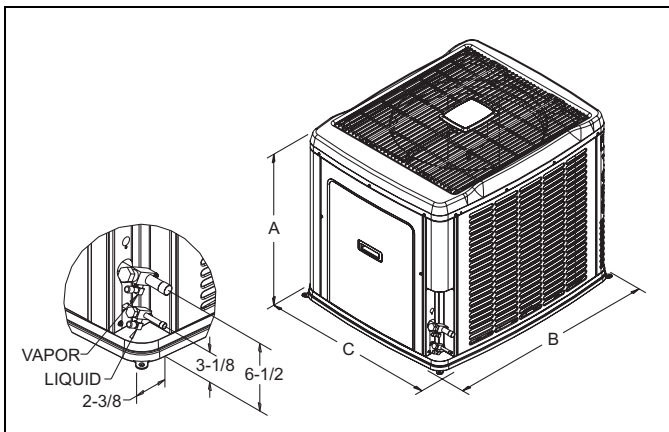
Outdoor Split System Air Conditioner 2 Thru 5 Tons

MODELS: AL5B024*THRU 060*(C)
15 SEER R-410A

Physical and Electrical Data

MODEL		AL5B024F3(C)	AL5B036F3(C)	AL5B048F3(C)	AL5B060F3(C)
Unit Supply Voltage		208-230V, 1 ϕ , 60Hz			
Normal Voltage Range ¹		187 to 252			
Minimum Circuit Ampacity		13.3	22.3	27.9	33.5
Max. Overcurrent Device Amps ²		20	35	45	50
Min. Overcurrent Device Amps ³		15	25	30	35
Compressor Type		Scroll	Scroll	Scroll	Scroll
Compressor Amps	Rated Load	10.3	16.7	21.2	25.6
	Locked Rotor	52	82	96	118
Crankcase Heater		No	No	No	No
Fan Motor Amps	Rated Load	0.5	1.5	1.5	1.5
Fan Diameter Inches		22	22	22	22
Fan Motor	Rated HP	1/15	1/4	1/4	1/4
	Nominal RPM	850	850	850	850
	Nominal CFM	2,000	3,450	3,250	3,150
Coil	Face Area Sq. Ft.	17.15	20.58	20.58	20.58
	Rows Deep	1	1	2	2
	Fins / Inch	22	22	22	22
Liquid Line Set OD (Field Installed)		3/8	3/8	3/8	3/8
Vapor Line Set OD (Field Installed)		3/4	3/4	7/8	1-1/8
Unit Charge (Lbs. - Oz.) ⁴		7 - 5	8 - 4	14 - 2	13 - 9
Charge Per Foot, Oz.		0.62	0.62	0.67	0.75
Operating Weight Lbs.		195	210	260	270

1. Rated in accordance with ARI Standard 110, 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. The Unit Charge is correct for the outdoor unit, matched indoor coil and 15 feet of refrigerant tubing. For tubing lengths other than 15 feet, add or subtract the amount of refrigerant, using the difference in length multiplied by the per foot value.



* Expander fitting required for 1-1/8" line set.

All dimensions are in inches. They are subject to change without notice. Certified dimensions will be provided upon request.

Unit Model	Dimensions (Inches)			Refrigerant Connection Service Valve Size	
	A	B	C	Liquid	Vapor
024	33-1/2	37	31	3/8"	3/4"
036	39-1/2	37	31		7/8"
048	39-1/2	37	31		7/8"
060	39-1/2	37	31		7/8" *

System Charge for Various Matched Systems

Outdoor Unit	AL5B024F3(C)	AL5B036F3(C)	AL5B048F3(C)	AL5B060F3(C)
Approved System Thermal Expansion Valve ¹	1TVM4F1	1TVM4F1	1TVM4J1	1TVM4J1
Factory Charge, lbs-oz	7 - 5	8 - 4	14 - 2	13 - 9
Indoor Coil ²	TXV Kit ³ - Additional Charge, Oz			
AHX18	0	-	-	-
AHX24	10	-	-	-
AHX30	13	-	-	-
AHX36	20	12	-	-
AHX42	-	21	-	-
AHX48	-	21	8	-
AHX60	-	27	13	13
AV24	2	-	-	-
AV36	19	12	-	-
AV/SV48	-	21	8	-
AV/SV60	-	-	8	7
F*FV060	-	-	8	0
FC/MC/PC24	4	-	-	-
FC/MC/PC30	4	-	-	-
FC/MC/PC32	13	-	-	-
FC/MC/PC35	13	6	-	-
FC/MC/PC36	6	0	-	-
FC/MC/PC37	19	12	-	-
FC/MC/PC42	-	1	-	-
FC/MC/PC43	19	12	-	-
FC/MC/PC48	-	21	9	-
FC/MC/PC60	-	-	8	7
FC/MC62	-	-	14	13
HC30	10	-	-	-
HC42	-	12	-	-
HC60	-	-	8	0
HD36	26	-	-	-
HD48	-	30	17	-
HD60	-	-	0	9
UC24	6	-	-	-
UC30	6	-	-	-
UC36	6	0	-	-
UC42	-	1	-	-
UC48	-	16	3	-
UC60	-	-	8	7

FOOTNOTES:

1. Systems matched with furnace or air handlers not equipped with blower-off delays may require blower Time Delay Kit 2FD06700224.
 2. PC coils cannot be used in downflow or horizontal applications. FC coils cannot be used in horizontal applications.
 3. A TXV kit must be used with these coils to obtain system performance.
- Note: If a TXV is factory installed on the coil, it must be replaced with the listed TXV.

PROCEDURES:

1. Unit factory charge listed on the unit nameplate includes refrigerant for the condenser, the smallest evaporator and 15 feet of interconnecting line tubing.
2. Verify the TXV and additional charge required for specific evaporator coil in the system using the above table.
3. 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 TXV matches requiring additional charge, the refrigerant needs to be weighed in for specific coil match and lineset length.
5. Permanently mark the unit nameplate with the total system charge. Total System Charge = Base Charge (as shipped) + adder for evaporator + adder for line set.

