TABULAR DATA SHEET

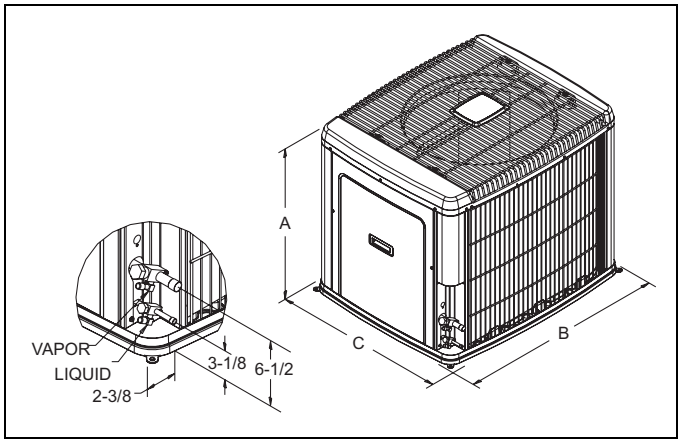
Outdoor Split System Air Conditioner 1.5 Thru 5 Tons

MODELS: AC3B018*THRU 060*
13 SEER – R-410A

Physical and Electrical Data

MODEL		AC3B018F1	AC3B024F1	AC3B030F1	AC3B036F1	AC3B042F1	AC3B048F1	AC3B060F1
Unit Supply Voltage		208-230V, 1ϕ, 60Hz						
Normal Voltage Range [1]		187 to 252						
Minimum Circuit Ampacity		13.3	16.5	18.9	22.3	28.7	31.1	34.4
Max. Overcurrent Device Amps [2]		20	25	30	35	50	50	60
Min. Overcurrent Device Amps [3]		15	20	20	25	30	35	35
Compressor Type		Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Compressor Amps	Rated Load	10.3	12.8	14.7	16.6	21.8	23.7	26.3
	Locked Rotor	51	60	73	88	105	150	150
Crankcase Heater		No	No	No	No	No	No	No
Fan Motor Amps	Rated Load	0.5	0.5	0.5	1.5	1.5	1.5	1.5
Fan Diameter Inches		22	22	22	22	22	22	22
Fan Motor	Rated HP	1/15	1/15	1/15	1/4	1/4	1/4	1/4
	Nominal RPM	850	850	850	850	850	850	850
	Nominal CFM	2100	2,250	2,300	3,200	3,250	3,500	3,500
Coil	Face Area Sq. Ft.	14.86	14.86	17.15	17.15	20.58	20.58	20.58
	Rows Deep	1	1	1	1	1	1	2
	Fins / Inch	22	22	22	22	22	22	22
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)		3/4	3/4	3/4	3/4	7/8	7/8	7/8
Unit Charge (Lbs. - Oz.) [4]		5-13	6-4	7-4	6-4	8-13	8-12	13-9
Charge Per Foot, Oz.		0.62	0.62	0.62	0.62	0.67	0.67	0.67
Operating Weight Lbs.		165	170	190	190	205	215	260

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.



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

DIMENSIONS

Unit Model	Dimensions (Inches)			Refrigerant Connection Service Valve Size	
	A	B	C	Liquid	Vapor
018	29-1/2	37	31	3/8”	3/4”
024	29-1/2	37	31		
030	33-1/2	37	31		
036	33-1/2	37	31		
042	39-1/2	37	31		7/8”
048	39-1/2	37	31		
060	39-1/2	37	31		

System Charge for Various Matched Systems							
Outdoor Unit	AC3B018F1	AC3B024F1	AC3B030F1	AC3B036F1	AC3B042F1	AC3B048F1	AC3B060F1
Unit Orifice (s)	1TVM4F1	1TVM4G1	1TVM4G1	1TVM4G1	1TVM4H1	1TVM4J1	1TVM4J1
Factory Charge, lbs-oz	5-13	6-4	7-4	6-4	8-13	8-12	13-9
Indoor Coil[1,2]	**Additional Charge, oz**						
AHP18	0	–	–	–	–	–	–
AHP24	2	2	–	–	–	–	–
AHP30	–	–	9	–	–	–	–
AHP36	–	–	14	12	–	–	–
AHP42	–	–	–	12	–	–	–
AHP/SHP48	–	–	–	–	16	9	–
AHP/SHP60	–	–	–	–	16	9	7
AHX18	0	0	–	–	–	–	–
AHX24	11	10	–	–	–	–	–
AHX30	14	13	8	–	–	–	–
AHX36	–	20	14	12	–	–	–
AHX42	–	–	25	22	11	–	–
AHX48	–	–	24	21	10	9	–
AHX60	–	–	–	27	16	14	12
AV24	2	2	–	–	–	–	–
AV36	21	20	15	12	–	–	–
AV/SV48	–	–	–	21	11	9	–
AV/SV60	–	–	–	–	11	9	7
F*FP024	0	–	–	–	–	–	–
F*FP036	–	–	6	4	–	–	–
F*FP048	–	–	–	15	11	–	–
F*FV060	–	–	–	–	–	9	7
F6FP018	0	–	–	–	–	–	–
F6FP024	3	3	–	–	–	–	–
F6FP030	14	13	9	–	–	–	–
F6FP036	–	13	9	6	–	–	–
F6FP042	–	–	18	15	11	–	–
F6FP048	–	–	11	9	0	9	–
F6FP060	–	–	–	27	16	14	12
FC/MC/PC18	0	–	–	–	–	–	–
FC/MC/PC24	4	0	–	–	–	–	–
FC/MC/PC30	4	4	0	–	–	–	–
FC/MC/PC32	–	13	9	–	–	–	–
FC/MC/PC35	–	–	9	3	–	–	–
FC/MC/PC36	–	–	2	0	–	–	–
FC/MC/PC37	–	–	14	12	–	–	–
FC/MC/PC42	–	–	–	2	–	–	–
FC/MC/PC43	–	–	–	12	2	–	–
FC/MC/PC48	–	–	–	22	11	9	–
FC/MC/PC60	–	–	–	–	–	9	7
FC/MC62	–	–	–	–	–	14	14
HC18	0	–	–	–	–	–	–
HC30	–	10	6	–	–	–	–
HC36	–	–	9	6	–	–	–
HC42	–	–	–	12	2	1	–
HC60	–	–	–	–	0	0	0
HD24	21	18	–	–	–	–	–
HD36	–	–	14	16	–	–	–
HD48	–	–	–	31	27	–	–
HD60	–	–	–	–	26	24	20

System Charge for Various Matched Systems (Continued)							
Outdoor Unit	AC3B018F1	AC3B024F1	AC3B030F1	AC3B036F1	AC3B042F1	AC3B048F1	AC3B060F1
Unit Orifice (s)	1TVM4F1	1TVM4G1	1TVM4G1	1TVM4G1	1TVM4H1	1TVM4J1	1TVM4J1
Factory Charge, lbs-oz	5-13	6-4	7-4	6-4	8-13	8-12	13-9
Indoor Coil[1,2]	**Additional Charge, oz**						
UC18	1	–	–	–	–	–	–
UC24	5	5	–	–	–	–	–
UC30	5	5	1	–	–	–	–
UC36	–	–	1	1	–	–	–
UC42	–	–	–	1	–	–	–
UC48	–	–	–	16	6	3	–
UC60	–	–	–	–	–	9	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.

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.

NOTES

106482-CTD-H-0509
Supersedes: 106482-CTD-G-1108

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