

TABULAR DATA SHEET

Outdoor Split System Air Conditioner 1 Thru 2.5 Tons

MODELS: AM012MA* THRU 030

13 SEER – R-22

Physical and Electrical Data

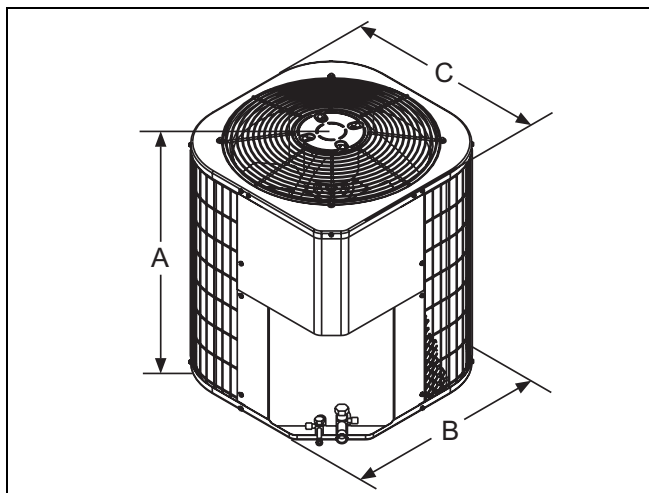
MODEL		AM012MA322	AM018MA322	AM024MA322	AM030MA322
Unit Supply Voltage		208-230V, 1 ϕ , 60Hz			
Normal Voltage Range ¹		187 to 252			
Minimum Circuit Ampacity		8.8	9.5	13.6	14.0
Max. Overcurrent Device Amps ²		15	15	20	20
Min. Overcurrent Device Amps ³		10	10	15	15
Compressor Type		Rotary	Rotary	Recip	Recip
Compressor Amps	Rated Load	6.7	7.2	10.2	10.6
	Locked Rotor	33	40	54	61
Crankcase Heater		No	No	No	No
Fan Motor Amps	Rated Load	0.5	0.5	0.8	0.8
Fan Diameter Inches		17-1/2	17-1/2	17-1/2	17-1/2
Fan Motor	Rated HP	1/12	1/12	1/8	1/8
	Nominal RPM	1100	1100	1075	1075
	Nominal CFM	1450	1450	1750	1850
Coil	Face Area Sq. Ft.	7.26	7.89	8.77	10.17
	Rows Deep	1	1	1	1
	Fin / Inches	23	23	23	23
Liquid Line Set OD (Field Installed)		3/8"	3/8"	3/8"	3/8"
Vapor Line Set OD (Field Installed)		5/8"	5/8"	3/4"	3/4"
Unit Charge (Lbs. - Oz.) ⁴		2 - 13	3 - 0	3 - 0	3 - 11
Charge Per Foot, Oz.		0.66	0.66	0.68	0.68
Operating Weight Lbs.		85	100	140	145

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.

Unit Model	Dimensions (Inches)			Refrigerant Connection Service Valve Size	
	A ¹	B	C	Liquid	Vapor
012	22-1/2	21-3/4	21-3/4	3/8"	3/4"
018	24-1/4	21-3/4	21-3/4		
024	26-3/4	21-3/4	21-3/4		
030	30-3/4	21-3/4	21-3/4		

1. Including Fan Guard.

Additional R-22 Charge/Orifice Size for Various Matched Systems - 1 Phase

Outdoor Unit	AM012MA322	AM018MA322	AM024MA322	AM030MA322
Required Orifice or TXV ^{1,2}	0.048 / 2A	0.053 / 2A	0.059 / 2A 0.061	0.067 / 2A
Factory R-22 Charge, lbs-oz	2 - 13	3 - 0	3 - 0	3 - 11
Indoor Coil^{3,4}	Additional Charge, Oz			
FC/MC/PC/UC18A2A	0	0	-	-
FC/MC/PC/UC18B2A	0	0	-	-
FC/MC/PC/UC24A2A	-	2	-	-
FC/MC/PC/UC24B2A	-	2	-	-
FC/MC/PC/UC30A2A	-	2	-	-
FC/MC/PC/UC30B2A	-	2	-	-
FC/MC/PC/UC35B2A	-	-	5	0
FC/MC/PC/UC35C2A	-	-	5	0
FC/MC/PC/UC36A2A	-	-	5	-
FC/MC/PC/UC36B2A	-	-	5	-
FC/MC/PC/UC36C2A	-	-	5	-
HC18A2A	0	0	-	-
HC30A2A	-	-	5	-
AHP18B2A	0	0	-	-
AHP24B2A	-	0	-	-
AHP30B2A	-	-	5	0
AHP30C2A	-	-	5	0
AV24B2A	-	0	-	-
AV36C2A	-	-	8	4
FC/MC/PC/UC18A3X	48 + 0	53 + 0	-	-
FC/MC/PC/UC18B3X	48 + 0	53 + 0	-	-
FC/MC/PC/UC24A3X	-	53 + 2	-	-
FC/MC/PC/UC24B3X	-	53 + 2	-	-
FC/MC/PC/UC30A3X	-	53 + 2	-	-
FC/MC/PC/UC30B3X	-	53 + 2	-	-
FC/MC/PC/UC35B3X	-	-	61 + 5	67 + 0
FC/MC/PC/UC35C3X	-	-	61 + 5	67 + 0
FC/MC/PC/UC36A3X	-	-	5	-
FC/MC/PC/UC36B3X	-	-	5	-
FC/MC/PC/UC36C3X	-	-	5	-
HC18A3X	48 + 0	53 + 0	-	-
HC30A3X	-	-	5	-
AHP18B3X	48 + 0	53 + 0	-	-
AHP30C3X	-	-	61 + 5	67 + 0
AV24B3X	-	53 + 0	-	-
AV36C3X	-	-	61 + 8	67 + 4

FOOTNOTES:

1. For applications requiring a TXV use 1TVM series kit.
2. Approved orifice shipped with outdoor unit.
3. Systems matched with furnace or air handlers not equipped with blower-off delays may require blower Time Delay Kit 2FD06700224.
4. PC coils cannot be used in downflow or horizontal applications. FC coils cannot be used in horizontal applications.

All models require Start Kits for TXV matches. Refer to Price Pages for kit number reference.

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 or orifice 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. Permanently mark the unit nameplate with the total system charge. Total System Charge = Base Charge (as shipped) + adder for evaporator + adder for line set.