

Outdoor Split System Air Conditioner 3 Thru 5 Tons

MODELS H1RC036 THRU 060 3 PHASE 12 SEER

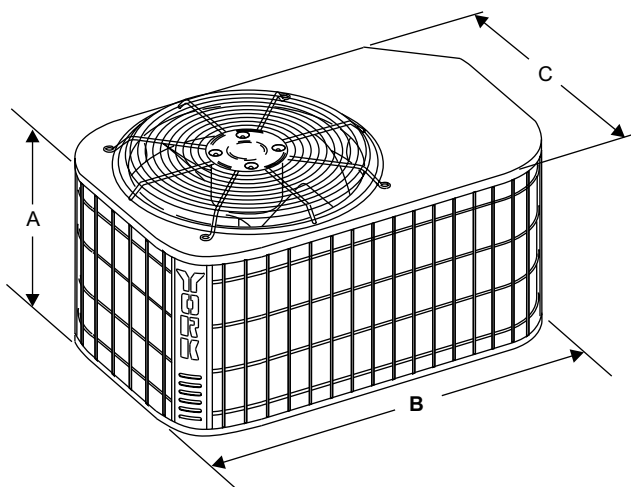
PHYSICAL AND ELECTRICAL DATA

MODEL	H1RC036S25	H1RC048S25	H1RC060S25		H1RC036S46	H1RC048S46	H1RC060S46
Unit Supply Voltage	208/230 - 3 - 60				460 - 3 - 60		
Normal Voltage Range ¹	187 to 252				432 to 504		
Minimum Circuit Ampacity	13.3	18.9	22.9		7.6	9.6	12.0
Max. Overcurrent Device Amps ²	20	30	40		15	15	20
Compressor Type	Inertia	Inertia	Scroll		Inertia	Inertia	Scroll
Compressor Amps	Rated Load	9.6	14.1	17.3	5.4	7.0	9.0
	Locked Rotor	78.0	130.0	123.0	40.0	64.0	62.0
Crankcase Heater	No	No	No		No	No	No
Fan Motor Amps	Rated Load	1.3	1.3	1.3	0.8	0.8	0.8
Fan Diameter Inches	22	22	22		22	22	22
Fan Motor	Rated HP	1/4	1/4	1/4	1/4	1/4	1/4
	Nominal RPM	850	850	850	850	850	850
	Nominal CFM	3,300	3,300	3,400	3,300	3,300	3,400
Coil	Face Area Sq. Ft.	15.72	17.03	23.58	15.72	17.03	23.58
	Rows Deep	1	1	1	1	1	1
	Fin / Inches	18	18	18	18	18	18
Liquid Line OD	3/8	3/8	3/8		3/8	3/8	3/8
Vapor Line OD	3/4	7/8	1-1/8		3/4	7/8	1-1/8
Unit Charge (Lbs. - Oz.) ³	6 - 2	7 - 10	9 - 3		6 - 2	7 - 10	9 - 3
Charge Per Foot, Oz. ³	0.68	0.70	0.76		0.68	0.70	0.76
Operating Weight Lbs.	157	184	198		157	184	198

1. Rated in accordance with ARI Standard 110, utilization range "A".

2. Dual element fuses or HACR circuit breaker.

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



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Unit Model	Dimensions (Inches)			Refrigerant Connection Line Size	
	A	B	C	Liquid	Vapor
036	27	37	27	3/8"	3/4
048	29	37	27	3/8"	7/8
060	39	37	27	3/8"	1-1/8*

1. Included Fan Guard

* Reducer Required

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

Additional R-22 Charge / Orifice Size for Various Matched Systems							
Outdoor Unit				H1RC036S	H1RC048S	H1RC060S	
Unit Orifice (s) ¹				—	—	—	
Factory R-22 Charge, lbs-oz				6 - 2	7 - 10	9 - 3	
Indoor Coil	Coil Orifice ²	TVX Kit ³ = Additional Charge, Oz					
G2FD035S(H)14	65			702 + 0	—	—	
G2FD036S(H)17,21	75			702 + 3	—	—	
G2FD042S(H)21	78			702 + 0	—	—	
G2FD046S(H)17	78			702 + 9	703 + 0	—	
G2FD048S(H)21,24	84			702 + 17	703 + 9	—	
G2FD060S(H)24	90			—	703 + 0	703 + 20	
G2FD061H24	90			—	703 + 6	703 + 25	
G1FA/G1UA036S14	73			702 + 1	—	—	
G1FA/G1UA036S17,21	73			702 + 0	—	—	
G1FA/G1UA048S17	84			—	703 + 2	—	
G1FA/G1UA048S21,24	84			702 + 9	703 + 7	—	
G1FA/G1UA060S21,24	90			—	703 + 14	703 + 20	
G1NA036S17L	71			702 + 0	—	—	
G1NA048S21D	78			702 + 0	703 + 0	—	
G1NA048S24P	78			702 + 0	703 + 0	—	
G1NA060S24T	87			—	—	703 + 0	
G1NF036SOF	67			702 + 0	—	—	
G1NF048SOF	78			—	702 + 0	—	
G1NF060SOF	87			—	—	703 + 0	
G1HD036	69			702 + 5	—	—	
G1HD048	81			702 + 11	703 + 0	—	
G1HD060	93			—	703 + 0	703 + 20	

Footnotes:

1. These orifices are factory mounted in the flow control device of each indoor coil.
2. A TXV Kit must be used with these coils to obtain system performance. (701 - 703 indicates 1 TV070...series.)
3. Systems matched with furnaces or air handlers not equipped with blower-off delays, may require Blower Time Delay Kit #6918A5011.

Procedures:

1. Unit factory charge listed on the unit nameplate includes refrigerant for the condenser, the smallest evaporator and for 15 feet of interconnecting line tubing.
2. Verify the orifice size 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 the table above.
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.
5. If the orifice in the evaporator was changed, verify the evaporator nameplate has been marked with the correct orifice size.