

INSTALLATION INSTRUCTIONS

(TABULAR DATA)

Outdoor Split-System Air Conditioner 6.3 – 7.5 Tons

Supersedes: Nothing

550.46-N2.2Y (698)

035-15835-601

H*RA076 Thru 090 3 Phase - 10 SEER

Physical and Electrical Data

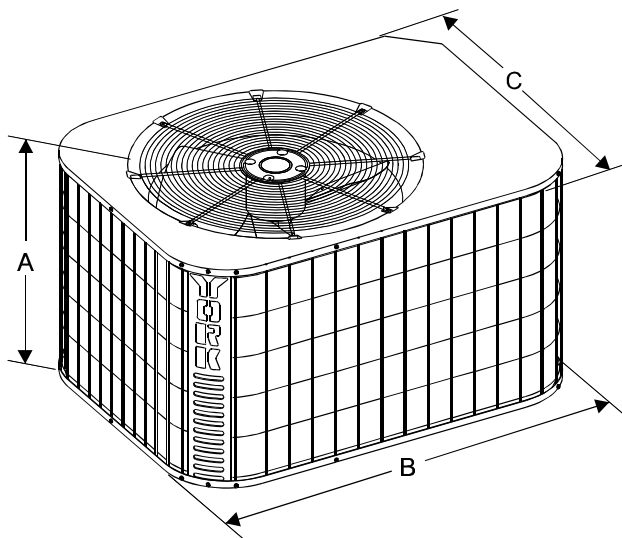
Model		H1RA 076S25	H1RA 090S25		H1RA 076S46	H1RA 090S46	
Unit Supply Voltage		208 / 230 - 3 - 60			460 - 3 - 60		
Normal Volatage Range ¹		187 to 252			432 to 504		
Minimum Circuit Ampacity		25.8	37.7		13.0	18.1	
Max Overcurrent Device Amps ²		40	50		20	25	
Compressor Type		Scroll	Dual		Scroll	Dual	
Compressor Amps	Rated Load	18.9	29.4		9.5	14.0	
	Locked Rotor	146	260		73	128	
Crankcase Heater		No	Yes		No	Yes	
Fan Motor Amps	Rated Load	2.2	4.6		1.2	2.3	
Fan Diameter Inches		24	24		24	24	
Fan Motor	Rated HP	1/3	3/4		1/3	3/4	
	Nominal RPM	1100	1100		1100	1100	
	Nominal CFM	4000	5000		4000	5000	
Coil	Face Area Sq Ft	18.0	22.5		18.0	22.5	
	Rows Deep	2	2		2	2	
	Fin /Inch	16	16		16	16	
Liquid Line OD		1/2	1/2		1/2	1/2	
Vapor Line OD		1-1/8	1-1/8		1-1/8	1-1/8	
Unit Charge (Lbs - Oz) ³		12-3	15-3		12-3	15-3	
Charge Per Foot (Oz) ³		1.26	1.26		1.26	1.26	
Operating Weight Lbs		219	368		219	368	

¹ Utilization range "A" in accordance with ARI standard 110

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 value.

Dimensions



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

Unit Model H1RA	Dimensions (inches)			Refrigerant Connection Line Size	
	A ¹	B	C	Liquid	Vapor
076	26	43	32	1/2	1-1/8
090	32	43	32	1/2	1-1/8

¹ Including Fan Guard

R-22 System Charging Procedure

Additional R-22 Charge						
Outdoor Unit	H1RA076	H1RA090				
Factory R-22 Charge, lbs-oz	12-3	15-3				

Indoor Unit	Coil Orifice ¹	Additional Charge, Oz				
M*UX090	TXV	13	0			
K*EU090	TXV	0	0			
K*UE120	TXV	-	16			

* Variable generation designator.

Footnotes:

- 1 The TXV is factory mounted in the coil or air handler.

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. Additional charge for the amount of interconnecting line tubing greater than 15 feet at the rate specified in the table above.
3. Permanently mark the unit nameplate with the total system charge. Total System Charge = Base charge (as shipped) + adder for evaporator + adder for line set.



Heating and Air Conditioning

Code: BB

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