

TABULAR DATA SHEET



Outdoor Split System Heat Pump 3 — 5 Tons

Models E*RC036S(25,46) Thru 060
12 SEER 3 Phase

Physical and Electrical Data

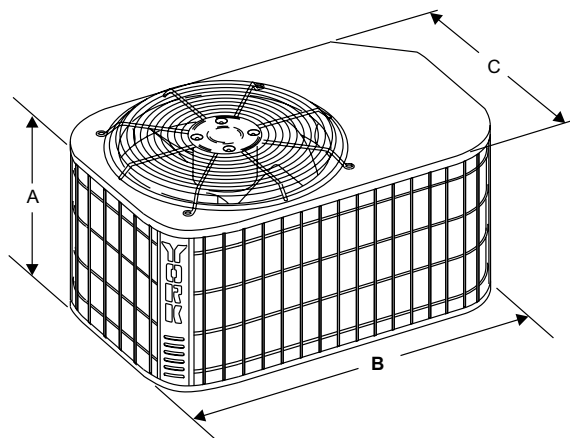
MODEL		E1RC036S25	E1RC048S25	E1RC060S25	E1RC036S46	E1RC048S46	E1RC060S46
Unit Supply Voltage		208/230-3-60			460 - 3 - 60		
Normal Voltage Range ¹		187-252			432-504		
Minimum Circuit Ampacity		13.7	20.8	24.2	7.2	10.5	11.7
Max. Qvercurrent Device Amps ²		20	35	40	15	15	20
Compressor Type ³		Recip	Scroll ^B	Scroll ^C	Recip	Scroll ^B	Scroll ^C
Compressor Amps	Rated Load	9.9	15.6	18.3	5.1	7.7	8.7
	Locked Rotor	78	93	123	40	47	62
Crankcase Heater		Yes	No	No	Yes	No	No
Fan Motor Amps	Rated Load	1.3	1.3	1.3	0.8	0.8	0.8
Fan Diameter Inches		22	24	24	22	24	24
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	3,400	3,400	3,300	3,400	3,400
Coil	Face Area Sq. Ft.	19.65	27.00	27.00	19.65	27.00	27.00
	Rows Deep	1	2	2	1	2	2
	Fin / Inches	18	14	14	18	14	14
Liquid Line OD		3/8	3/8	3/8	3/8	3/8	3/8
Vapor Line OD		3/4	7/8	7/8	3/4	7/8	7/8
Unit Charge (Lbs. - Oz.) ⁴		9 - 5	13 - 9	12 - 9	9 - 5	13 - 9	12 - 9
Charge Per Foot, Oz.		0.68	0.70	0.70	0.68	0.70	0.70
Operating Weight Lbs.		185	240	258	185	241	258

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

2. Dual element fuses or HACR circuit breaker.

3. All scrolls listed with a superscript "B" are Bristol scrolls. All scrolls listed with a superscript "C" are Copeland scrolls.

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 Line Size	
	A ¹	B	C	Liquid	Vapor
036	33	37	27	3/8	3/4
048	38	43	32	3/8	7/8
060	38	43	32	3/8	7/8

1. Including fan guard.

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

Additional R-22 Charge / Orifice Size for Various Matched Systems			
Outdoor Unit	E1RC036S(25,46)	E1RC048S(25,46)	E1RC060S(25,46)
Unit Orifice (s) ¹	73	87	99
Factory R-22 Charge, lbs-oz	9 - 5	13 - 9	12 - 9

Indoor Coil	Coil Orifice ²	System Orifice = Additional Charge, Oz		
G1UA048S21/24	84	73 + 0	87 + 0	—
G1UA060S24	90	—	87 + 5	99 + 0
G1FA048S21/24	84	73 + 0	87 + 0	—
G1FA060S24	90	—	87 + 5	99 + 0
G1HA048H21	84	73 + 2	—	—
G1HA060H24	90	—	87 + 5	99 + 0
G2FD048S21/24	84	73 + 2	87 + 2	—
G2FD060S24	90	—	87 + 5	99 + 0

Footnotes:

1. These orifices are packed in the instruction/warranty packet of each outdoor unit.
2. These orifices are factory mounted in the flow control device of each indoor coil.
3. A 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. 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.