TABULAR DATA SHEET

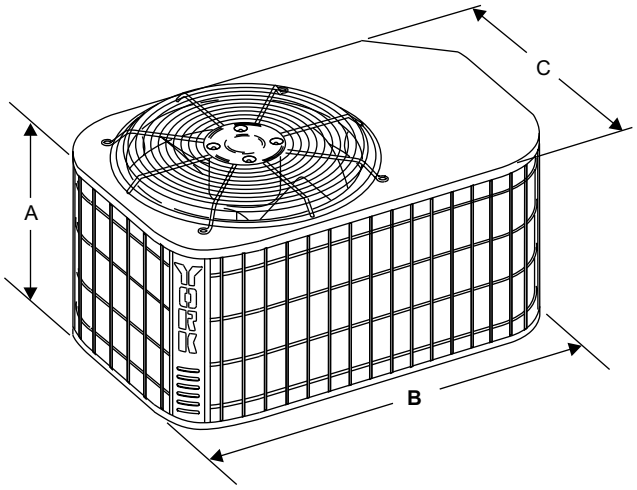
Outdoor Split System Heat Pump 1.5 Thru 5 Tons

MODELS: E*RC018* THRU 060*
12 SEER

Physical and Electrical Data

MODEL		E1RC018S06	E1RC024S06	E1RC030S06	E1RC036S06	E1RC042S06	E2RC048S06	E2RC060S06
Unit Supply Voltage		208/230 – 1 – 60						
Normal Voltage Range [1]		187 to 252						
Minimum Circuit Ampacity		11.7	14.9	18.4	21.3	30.6	31.1	42.6
Max. Overcurrent Device Amps [2]		20	25	30	30	45	50	70
Compressor Type [3]		Inertia	Inertia	Inertia	Inertia	Scroll	Scroll	Scroll
Compressor Amps	Rated Load	9.0	10.9	13.7	16	23.5	23.8	33.1
	Locked Rotor	48	60	75	81	104	124	175
Crankcase Heater		Yes	Yes	Yes	Yes	No	No	No
Fan Motor Amps	Rated Load	0.5	1.3	1.3	1.3	1.3	1.3	1.3
Fan Diameter Inches		18	22	22	22	22	24	24
Fan Motor	Rated HP	1/12	1/4	1/4	1/4	1/4	1/4	1/4
	Nominal RPM	1,100	850	850	850	850	850	850
	Nominal CFM	1,850	3,150	3,150	3,150	3,150	3,250	3,250
Coil	Face Area Sq. Ft.	12.58	15.72	15.72	19.65	19.65	22.50	22.50
	Rows Deep	1	1	1	1	1	2	2
	Fin / Inches	13	13	13	13	13	14	14
Liquid Line OD		3/8	3/8	3/8	3/8	3/8	3/8	3/8
Vapor Line OD		3/4	3/4	3/4	7/8	7/8	7/8	1 1/8
Unit Charge (Lbs. - Oz.) [4]		5 - 13	6 - 7	6 - 9	7 - 4	7 - 1	13 9	12 11
Charge Per Foot, Oz.		0.68	0.68	0.68	0.70	0.70	0.70	0.76
Operating Weight Lbs.		142	163	167	178	180	254	262

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 withou notice. Certified dimensions will be provided upon request.

Unit Model	Dimensions (Inches)			Refrigerant Connection Line Size	
	A	B	C	Liquid	Vapor
018	25	35	23	3/8”	3/4”
024	27	37	27		
030	27	37	27		
036	33	37	27		7/8”
042	33	37	27		
048	32	43	32		
060	32	43	32		1-1/8”

1. Included Fan Guard

* Reducer Fan Guard

R-22 SYSTEM CHARGING PROCEDURE

Additional R-22 Charge / Orifice Size for Various Matched Systems							
Outdoor Unit	E1RC018S06	E1RC024S06	E1RC030S06	E1RC036S06	E1RC042S06	E2RC048S06	E2RC060S06
Unit Orifice (s) [1]	51,53	59,61	67,69,71	71,73,75	78,81	81,84,87	87
Factory R-22 Charge, lbs-oz	4 - 14	5 - 0	5 - 6	5 - 12	6 - 9	7 - 9	9 - 8

Indoor Coil	**Coil Orifice [2]**	**System Orifice - Additional Charge, Oz**						
G2FD024S(H)14,17	61	53 + 2[4]	701[3] + 0					
G2FD030S(H)17	65		61 + 0[4]	69 + 3				
			701[3] + 0	701[3] + 3				
G2FD035S(H)14	65		61 + 0[4]	69 + 3				
G2FD036S(H)17,21	75			71 + 5[4]	75 + 0[4]			
				701[3] + 5	702[3] + 0			
G2FD042S(H)21	78				75 + 3	78 + 11[4]		
					702[3] + 0	702[3] +11		
G2FD046S(H)17	78				75 + 3			
G2FD048S(H)21,24	84					702[3] +14	87 + 0	
						81 + 17		
G2FD060S(H)24	90					81 + 24	87 + 0	96 + 5[4]
						702[3] +24		
G2FD061H24	90						87 + 10	96 + 15[4]
G1HD024	59	53 + 0[4]	701[3] +0					
G1HD036	69		61 + 6[4]	701[3] +8	702[3] +2			
G1HD048	81			69 + 14[4]	75 + 7[4]	78 + 7[4]		
G1HD060	93						87 + 0	96 + 1[4]
G1FA/G1UA024S14,17	59	53 + 0[4]						
G1FA/G1UA030S14	65	53 + 0	701[3] +0					
G1FA/G1UA036S14	73			69 + 5[4]				
G1FA/G1UA036S17,21	73		61 + 0[4]	69 + 3[4]				
G1FA/G1UA048S21,24	84				75 + 8[4]	81 + 11[4]	87 + 0	
G1FA/G1UA060S21,24	90						87 + 5	96 + 5[4]
G1NA030S17K	63	55 + 4[4]	59 + 1[4]					
G1NA030S21M	63		59 + 1[4]					
G1NA036S17L	71			67 + 0[4]	71 + 11[4]			
G1NA048S21D	78			67 + 0[4]	71 + 11[4]	78 + 0[4]		
G1NA048S24P	78					78 + 0[4]		
G1NA042S24W	84						87 + 20	
G1NA060S24T	87							96 + 0[4]
G1NF036SOF	67		59 + 1[4]	67 + 1[4]	71 + 11[4]			
G1NF048SOF	78					78 + 0[4]		
G1NF060SOF	87						87 + 20[4]	96 + 9[4]
F2RP/F2FP024N	61	55 + 0						
F2RP030N	65		61 + 0					
F2RP/F2FP036N	75			71 + 7	75 + 0			
F2RP/F2FP042N	78				75 + 3	702[3] +11		
F2FP045N	78						87 + 5	
F2FP048N	84					81 + 17	703[3] + 0	
F2FP060N	90							703[3] + 5
F2FV060	90						87 + 5	96 + 5

FOOTNOTES:

1. These orifices are packed in the customer packet of each outdoor unit.
2. These orifices are factory mounted in the flow control device of each indoor coil.
3. A TXV kit must be used with these coils to obtain system performance. (701,702,703 indicates 1TV07 ...series).
4. Systems matched with furnaces or air handlers not equipped with blower-off delays, may require blower Time Delay Kit #2FD0670224.

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.

035-15757-603 Rev. E (0802)
Supersedes: 035-15757-603 Rev. D (1201)