

QUICK REFERENCE DATA

T7BE Series - Residential Split System Heat Pump with Tube & Fin

MODEL NUMBER: *T7BE			018K	024K	030K	036K	042K	048K
ELECTRICAL DATA	Volts-Cycles-Phase (1)		208 / 230 - 60 - 1					
	Total Amps		10.2	14.6	15.3	17.8	19.4	23.2
	Delay Fuse Max. (2)		20	30	30	35	40	50
	Min. Circuit Ampacity		12.4	18.0	18.8	22.0	23.9	28.7
CONDENSER DATA	Coil	Area	17.7	20.3	22.8	25.3	22.8	25.3
		Rows-FPI	1-18	1-18	1-20	1-20	2-16	2-16
		Tube Dia	3/8" O.D.					
	Fan Motor	Type	PSC					
		Amps	1.2	1.2	1.2	1.2	1.46	1.46
		HP	0.2	0.2	0.2	0.2	0.25	0.25
	Compressor Data	RLA	9	13.4	14.1	16.6	17.9	21.8
		LRA	48	58.3	73	79	112	117
REFRIGERANT SUCTION LINE O.D NOTE: Liquid line is 3/8" O.D. for entire length.		0-24 ft.	3/4"	3/4"	3/4"	7/8"	7/8"	7/8"
		25-39 ft.	3/4"	3/4"	3/4"	7/8"	7/8"	7/8"
		40-75 ft.	3/4"	3/4"	3/4"	7/8"	7/8"	7/8"
REFRIGERANT CHARGE R-410A in ounces for outdoor unit & 15' lineset. (4)			168	180	163	166	274	298
APPROXIMATE WEIGHT (LBS.)		Net	166	171	176	181	247	280
		Ship	175	180	185	190	260	295

- (1) Operating Voltage Range: 187v min. — 253v max.
 (2) HACR Type Circuit Breakers may be used.
 (3) Requires 7/8" to 1-1/8" adapter from unit to line.
 (4) Additional charge for line sets above 15 feet. Values based on suction line as follows with 3/8" liquid line.
 (a) 3/4" = 0.6 oz. per additional foot.
 (b) 7/8" = 0.7 oz. per additional foot.
 (c) 1 1/8" = 0.8 oz. per additional foot.

Table 1. Electrical Specifications & Physical Data

THERMOSTAT WIRE GAUGE	RECOMMENDED T-STAT WIRE UNIT TO T-STAT (LENGTH IN FT)	
	2-WIRE (HEATING)	5-WIRE (HEATING/COOLING)
24	55	25
22	90	45
20	140	70
18	225	110

Table 2. Thermostat Wire Gauge

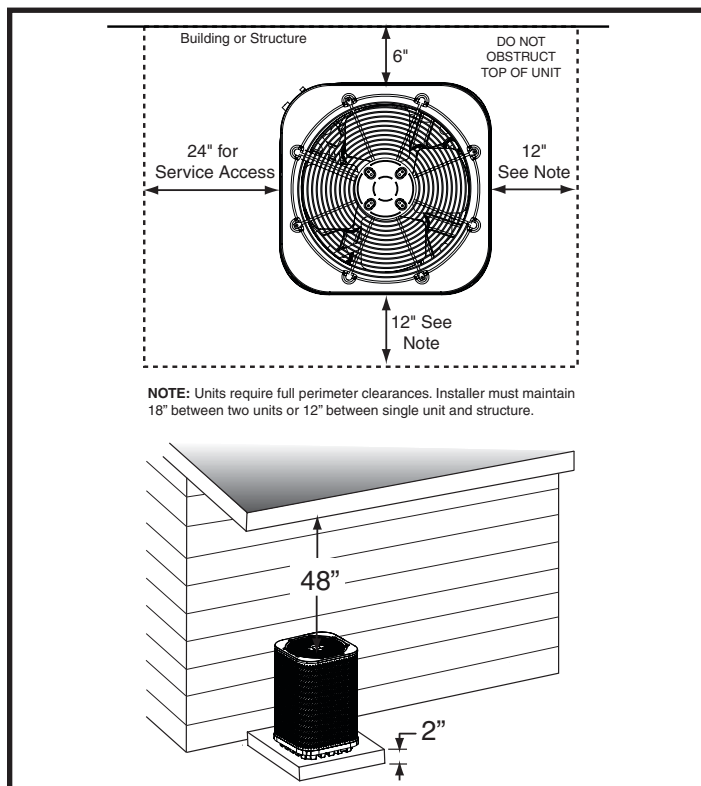


Figure 1. Clearance Requirements

MODEL NUMBER	HEIGHT (H)	WIDTH (W)	DEPTH (D)
T7BE-018K	31 1/2"	30 3/4"	30 3/4"
T7BE-024K	35 1/2"	30 3/4"	30 3/4"
T7BE-030K	39 1/2"	30 3/4"	30 3/4"
T7BE-036K	43 1/2"	30 3/4"	30 3/4"
T7BE-042K	39 1/2"	30 3/4"	30 3/4"
T7BE-048K	43 1/2"	30 3/4"	30 3/4"

Table 3. Unit Dimensions

Instructions:

1. Find the column for the model of outdoor unit that is being installed.
2. Find the row for the model of the indoor unit that is being installed.
3. Find the cell in the table in which this row and column meet. In this cell the appropriate orifice / TXV and charge addition for this match are listed. If the text in this cell is **BOLD**, then a change of orifice is necessary.
4. If a change in restrictor is necessary, then the appropriate restrictor will already be supplied with the outdoor unit.

Examples:

- For the *T7BE-018K / B6VMAX24K-B match, the appropriate TXV is the 669564 and no additional charge will need to be added. (NO CHANGES NECESSARY)
- For the *T7BE-036K / B6VMAX36K-B match, the appropriate TXV is the 669566 and no additional charge will need to be added. (NO CHANGES NECESSARY)

ID RESTRICTOR INSTALLED WITH ID UNIT	MODEL NUMBER: T7BE		018K	024K	030K	036K	042K	048K
	ID RESTRICTOR SUPPLIED WITH OD UNIT:		0.039	0.041	0.048	0.051	0.055	0.058
	OUTDOOR UNIT BOM CHARGE (OZ.)		166	180	163	166	274	298
	MODELS	SUPPLIED WITH ID	REQUIRED RESTRICTOR OR TXV / CHARGE ADDITION (OZ) / RATED AIRFLOW (SCFM)					
	B6VM							
	B6VMAX24K-B	669564	669564 (0 / 605)	669564 (0 / 885)	--	--	--	--
	B6VMAX30K-B	669565	--	--	669565 (0 / 900)	--	--	--
	B6VMAX36K-B	669566	--	--	669566 (0 / 900)	669566 (0 / 1180)	--	--
	B6VMAX48K-C	669568	--	--	--	--	669568 (0 / 1490)	669568 (0 / 1505)
B6VMAX60K-C	669578	--	--	--	--	--	--	

NOTES:

- The charges listed are only valid for the standard 15' lineset.
- Numbers listed as 0.*** are restrictor diameters, while numbers listed as 669*** are TXV part numbers.
- Gray cells require the outdoor restrictor to be changed as well. See Table 5.

Table 4. Restrictor or TXV / Charge Addition (Oz)