

6-20 Ton Split Systems

Table AC/IN-10-A — Cooling Component Selection Summary

UNIT	TTA073D	TTA090D	TTA120D	TTA120E	TTA120F	TTA150E	TTA180E	TTA180F	TTA240E	TTA240F
Refrigerant ckts	1	1	1	2	1 (Manifold)	2	2	1 (Manifold)	2	1 (Manifold)
Minimum step (tons)	6	7.5	10	5	5	6.25	7.5	7.5	10	10
GAS LINE					GAS LINE					
Tube diameter (in.)										
Horizontal (& drops)	1 1/8	1 3/8	1 3/8	1 1/8	1 3/8	1 1/8	1 3/8	1 5/8	1 3/8	1 5/8
Vertical (up)	1 1/8	1 3/8	1 3/8	1 1/8	1 1/8	1 1/8	1 3/8	1 3/8	1 3/8	1 5/8
Access port 3/ckt	Schraeder valve w/core*	Schraeder valve w/core*	Schraeder valve w/core*	Schraeder valve w/core*	Schraeder valve w/core*	Schraeder valve w/core*	Schraeder valve w/core*	Schraeder valve w/core*	Schraeder valve w/core*	Schraeder valve w/core*
LIQUID LINE					LIQUID LINE					
Tube diameter (in.)	1/2	5/8	1/2	1/2	1/2	1/2	1/2	5/8	1/2	5/8
Filter drier	DHY01123**	DHY01232**	DHY01123**	DHY01123**	DHY01123**	DHY01123**	DHY01123**	DHY01131**	DHY01123**	DHY01132**
Sight glass 1/ckt	GLS00853	GLS00830	GLS00853	GLS00853	GLS00853	GLS00853	GLS00853	GLS00830	GLS00853	GLS00830
Access port 2/ckt	Schraeder valve w/core*	Schraeder valve w/core*	Schraeder valve w/core*	Schraeder valve w/core*	Schraeder valve w/core*	Schraeder valve w/core*	Schraeder valve w/core*	Schraeder valve w/core*	Schraeder valve w/core*	Schraeder valve w/core*

Check valve selections: 3/8 = VAL08459, 1/2 = VAL08460, 5/8 = VAL01722

Table AC/IN-10-B — TWA Component Selection Summary

UNIT	TWA073D	TWA090D	TWA120D	TWA180E	TWA240E
Refrigerant ckts	1	1	1	2	2
Minimum step (tons)	6	7.5	10	7.5	10
GAS LINE					
Tube diameter (in.)					
Horizontal (& drops)	1 1/8	1 3/8	1 3/8	1 3/8	1 3/8
Vertical (up)	1 1/8	1 3/8	1 3/8	1 3/8	1 3/8
Access port 3/ckt	Schraeder valve w/core*	Schraeder valve w/core*	Schraeder valve w/core*	Schraeder valve w/core*	Schraeder valve w/core*
LIQUID LINE					
Tube diameter (in.)	1/2	5/8	1/2	1/2	5/8
Filter drier	DHY01123 (QTY 2)**		DHY01123 (QTY 2)**	DHY01123 (QTY 2)**	DHY01123 (QTY 2)**
Sight glass 1/ckt	GLS00853	GLS00830	GLS00853	GLS00853	GLS00853
Access port 2/ckt	Schraeder valve w/core*	Schraeder valve w/core*	Schraeder valve w/core*	Schraeder valve w/core*	Schraeder valve w/core*

Check valve selections: 3/8 = VAL08459, 1/2 = VAL08460, 5/8 = VAL01722

*Valve body VAL01483, valve core COR00006, valve cap CAP00072.

**The heat pump products require two filters and two check valves: one set-oriented for liquid in the cooling direction, and one set-oriented for liquid in the heating direction. For units with line lengths in excess of 80 ft, the included filters must be removed and filters from the table must be installed close to the air handler.

Table AC/IN-10-C — Expansion Valves for TTA/TWA 6-20 Ton Applications*

Refrigerant	Manufacturer	Tonnage Range	Model Number	American Standard Part	Model Number w/Check Valve
R-410A	Sporlan	2-3	ERZE-2-ZGA	VAL09476	RCZE-2.0-ZGA
R-410A	Sporlan	3-4	ERZE-3-ZGA	VAL09477	RCZE-3.0-ZGA
R-410A	Sporlan	4-5	ERZE-4-ZGA	VAL09478	RCZE-4.0-ZGA
R-410A	Sporlan	5-6	ERZE-5-ZGA	VAL09479	RCZE-5.0-ZGA
R-410A	Sporlan	6-8	ERZE-6-ZGA	VAL09480	RCZE-6.0-ZGA
R-410A	Sporlan	8-11	ERZE-8-ZGA	VAL09481	—
R-410A	Sporlan	11-14	ERZE-12½-ZGA	VAL09482	—
R-410A	Sporlan	14-17	ERZE-15-ZGA	VAL09483	—
R-410A	Sporlan	17-23	OZE-20-ZGA	VAL09485	—

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

6-20 Tons Split System

Figure 2. Allowable elevation difference: Cooling-only TTA above indoor unit

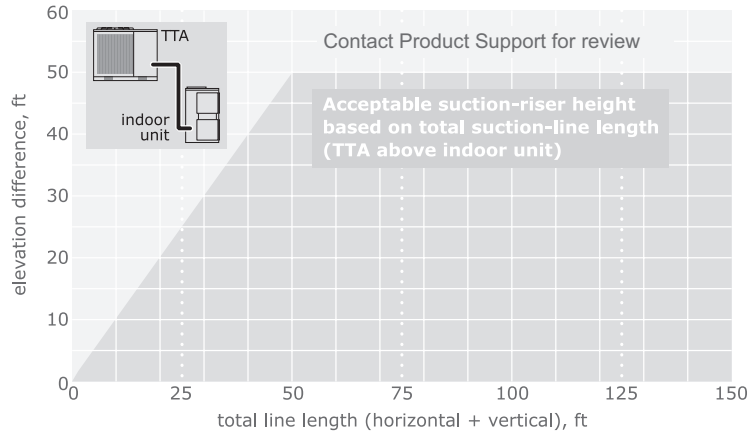


Figure 3. Allowable elevation difference: TWA heat pump above indoor unit

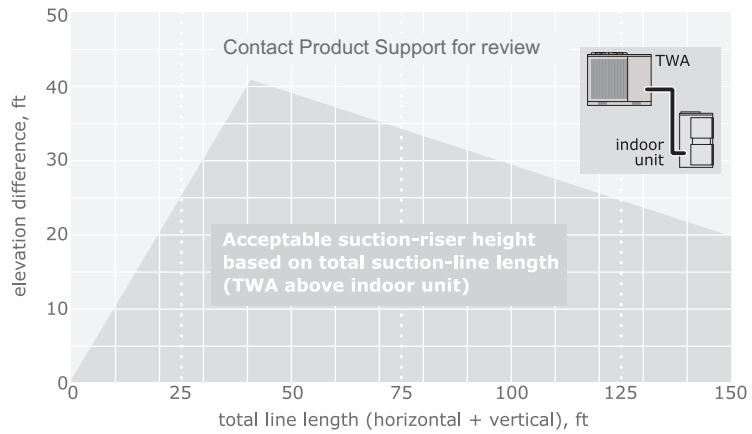


Figure 4. Allowable elevation difference: TTA or TWA below indoor unit

