



General Data

Table 6. General data — 6-7.5 tons (TTA073G-TTA090H) condensing units — 60 Hz

	6 Tons	6 Tons	7.5 Tons	7.5 Tons
	Single Compressor TTA073G*	Dual Compressor TTA073H*	Single Compressor TTA090G*	Dual Compressor TTA090H*
Cooling Performance - Gross Cooling Capacity				
Matched Air Handler	76,000	74,000	95,000	95,000
Condensing Unit Only	72,000	72,000	90,000	90,000
ARI Net Cooling Capacity	74,000	72,000	92,000	92,000
Efficiency				
Matched Air Handler (EER)	11.2	11.2	11.2	11.2
Condensing Unit Only (EER)	12.5	12.5	12.4	12.4
System (IEER)	12.8	13.0	12.0	12.0
System kW/Condensing Unit kW	6.6 / 5.8	6.4 / 5.8	8.2 / 7.3	8.2 / 7.3
Compressor				
Type	Scroll	Scroll	Scroll	Scroll
No./Tons	1 / 5.1	2 / 2.4	1 / 6.9	2 / 3.3
System Data				
No. Refrigerant Circuits ^(a)	1	2	1	2
Suction Line (in.) OD ^(a)	1 1/8	7/8	1 3/8	1 1/8
Liquid Line (in.) OD ^(a)	1/2	1/2	1/2	1/2
Outdoor Coil				
Type	MCHE	MCHE	MCHE	MCHE
Tube Size OD/Coil Width MCHE (in.)	0.8	0.8	0.8	0.8
Face Area (sq ft)	18.5	17.4	18.5	17.4
Rows/FPI (Fins per inch)	1/23	1/23	1/23	1/23
Outdoor Fan				
Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter (in.)	1/26	1/26	1/26	1/26
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM	5,100	5,100	5,100	5,100
No. Motor/HP	1 / 0.5	1 / 0.5	1 / 0.5	1 / 0.5
Motor RPM	1,100	1,100	1,100	1,100
Refrigerant Charge (Field Supplied)				
lbs of R-410A	10.0	7.0 / 7.0	9.7	7.3 / 7.3
Shipping Dimensions				
HxWxD (in.)	45" x 45" x 38"	45" x 45" x 38"	45" x 45" x 38"	45" x 45" x 38"

^(a) Refer to refrigerant piping applications manual for line sizing and line length.

Table 7. General data — 10-15 tons (TTA120G-TTA180J) condensing units — 60 Hz

	10 Tons	10 Tons	10 Tons	10 Tons	12.5 Tons	15 Tons	15 Tons
	Single Compressor TTA120G*	Dual Compressor TTA120H*	Manifolded Compressor TTA120J*	Dual Compressor TTA150H*	Dual Compressor TTA150J*	Dual Compressor TTA180H*	Manifolded Compressor TTA180J*
Cooling Performance - Gross Cooling Capacity							
Matched Air Handler	124,000	124,000	124,000	153,000	153,000	186,000	186,000
Condensing Unit Only	120,000	120,000	114,000	144,000	144,000	178,000	182,000
ARI Net Cooling Capacity	120,000	120,000	120,000	150,000	150,000	180,000	180,000
Efficiency							
Matched Air Handler (EER)	11.2	11.2	11.2	11.0	11.0	11.0	11.0
Condensing Unit Only (EER)	12.2	12.2	12.2	11.7	11.7	12.6	12.8
System (IEER)	12.0	11.5	14.2	13.1	13.1	12.8	12.5
System kW/Condensing Unit kW	10.7 / 9.8	10.7 / 9.8	10.7 / 9.8	13.6 / 12.8	13.6 / 12.8	16.4 / 14.3	16.4 / 14.1
Compressor							
Type	Scroll	Scroll	Manifolded Scrolls	Scroll	Scroll	Scroll	Manifolded Scrolls
No./Tons	1 / 8.6	2 / 4.3	2 / 4.3	2 / 5.6	2 / 5.6	2 / 6.9	2 / 6.9
System Data							
No. Refrigerant Circuits ^(a)	1	2	1	2	2	2	1
Suction Line (in.) OD ^(a)	1 3/8	1 1/8	1 3/8	1 1/8	1 1/8	1 3/8	1 5/8
Liquid Line (in.) OD ^(a)	1/2	1/2	1/2	1/2	1/2	1/2	5/8
Outdoor Coil							
Type	MCHE	MCHE	MCHE	MCHE	MCHE	MCHE	MCHE
Tube Size OD/Coil Width MCH (in.)	0.8	0.8	0.8	1.0	1.0	0.8	0.8
Face Area (sq ft)	23.8	22.7	23.8	27.0	27.0	44.3	44.3
Rows/FPI (Fins per inch)	1/23	1/23	1/23	1/23	1/23	1/23	1/23
Outdoor Fan							
Type	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter (in.)	1/28	1/28	1/28	1/28	1/28	2/28	2/26
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1	Direct/1	Direct/1	Direct/1
CFM	7,800	7,800	7,800	7,800	7,800	15,500	10,500
No. Motor/HP	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1	2 / 1	2 / 0.5
Motor RPM	1,100	1,100	1,100	1,100	1,100	1,100	1,100
Refrigerant Charge (Field Supplied)							
lbs of R-410A	13.6	7.7 / 7.6	13.1	9.8 / 9.8	9.8 / 9.8	11.5 / 11.5	21.3
Shipping Dimensions							
HxWxD (in.)	45" x 55" x 42"	45" x 55" x 42"	45" x 55" x 42"	52.1" x 55" x 42"	52.1" x 55" x 42"	51.1" x 96" x 48"	51.1" x 96" x 48"

^(a) Refer to refrigerant piping applications manual for line sizing and line length.

Table 8. General data — 20-25 tons (TTA240H-TTA300J) condensing units — 60 Hz

	20 Tons Dual Compressor TTA240H*	20 Tons Manifolded Compressor TTA240J*	25 Ton Manifolded Compressor TTA300J*
Cooling Performance - Gross Cooling Capacity			
Matched Air Handler	256,000	256,000	303,000
Condensing Unit Only	248,000	248,000	304,000
ARI Net Cooling Capacity	248,000	248,000	292,000
Efficiency			
Matched Air Handler (EER)	10.0	10.0	10.0
Condensing Unit Only (EER)	12.1	12.0	11.8
System (IEER)	11.1	11.9	11.7
System kW/Condensing Unit kW	24.8 / 20.5	24.8 / 20.7	29.2 / 25.8
Compressor			
Type	Scroll	Manifolded Scroll	Manifolded Scrolls
No./Tons	2 / 10.0	2 / 10.0	2 / 12.0
System Data			
No. Refrigerant Circuits ^(a)	2	1	1
Suction Line (in.) OD ^(a)	1 3/8	1 5/8	2 1/8
Liquid Line (in.) OD ^(a)	1/2	5/8	5/8
Outdoor Coil			
Type	MCHE	MCHE	MCHE
Tube Size OD/Coil Width MCHE (in.)	0.8	0.8	1.0
Face Area (sq ft)	44.3	44.3	51.3
Rows/FPI (Fins per inch)	1/23	1/23	1/23
Outdoor Fan			
Type	Propeller	Propeller	Propeller
No. Used/Diameter (in.)	2/28	2/28	2/28
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1
CFM	15,500	15,500	15,500
No. Motor/HP	2/1	2/1	2/1
Motor RPM	1,100	1,100	1,100
Refrigerant Charge (Field Supplied)			
lbs of R-410A	11.6 / 12.0	23.8	29.8
Shipping Dimensions			
HxWxD (in.)	51.1" x 96" x 48"	51.1" x 96" x 48"	57.1" x 96" x 48"

^(a) Refer to refrigerant piping applications manual for line sizing and line length.