

Table 9. General data — 5-7.5 tons (TWE061D-TWE090E) standard air handler — 60 Hz

	5 Tons	5 Tons	6 Tons	7.5 Tons	7.5 Tons
System Data					
No. Refrigerant Circuits	1	2	2	1	2
Suction Line Connection (in.) OD	1-1/8	1-1/8	1-1/8	1-3/8	1-1/8
Liquid Line Connection (in.) OD	1/2	1/2	1/2	1/2	1/2
Indoor Coil					
Type	Lanced/Intertwined	Lanced/Intertwined	Lanced/Intertwined	Lanced/Intertwined	Lanced/Intertwined
Tube Size (in.)	0.38	0.38	0.38	0.38	0.38
Face Area (sq. ft.)	5	5	8.1	8.1	8.1
Rows/FPI (Fins per inch)	4/14	4/14	4/14	4/14	4/14
Refrigerant Control	Expansion Valve	Expansion Valve	Expansion Valve	Expansion Valve	Expansion Valve
Drain Connection Size (in.)	1 PVC	1 PVC	1 PVC	1 PVC	1 PVC
Indoor Fan					
Type	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal
No. Used/Diameter x Width (in.)	1/12 x 12	1/12 x 12	1/15 x 15	1/15 x 15	1/15 x 15
Drive Type/No. Speeds	Belt/Adjustable	Belt/Adjustable	Belt/Adjustable	Belt/Adjustable	Belt/Adjustable
CFM (Nominal)	2,000	2,000	2,400	3,000	3,000
No. Motors	1	1	1	1	1
Motor HP - Standard/Oversized	0.75/1.5	0.75/1.5	1.5/2.0/3.0	1.5/2.0/3.0	1.5/2.0/3.0
Motor RPM	1725	1725	1725	1725	1725
Motor Frame Size	56	56	56 H	56 H	56 H
Filters^(a)					
Type/Furnished	Throwaway/Yes	Throwaway/Yes	Throwaway/Yes	Throwaway/Yes	Throwaway/Yes
(No.)/Size Recommended	(1) 16 x 20 x 1	(1) 16 x 20 x 1 (1) 20 x 20 x 1	(3) 16 X 25 X 1	(3) 16 X 25 X 1	(3) 16 X 25 X 1
Shipping Dimensions					
HxWxD (in.)	55.1" x 27.5" x 43.5"	55.1" x 27.5" x 43.5"	61.2" x 30.5" x 53"	61.2" x 30.5" x 53"	61.2" x 30.5" x 53"

Note: Oversized motor not available on D1/DK and E1/EK models.

^(a) One inch, throw-away filters shall be standard on TWE061, TWE073, TWE090, TWE120 model air handlers from the factory. The filter rack can be field converted to two inch capability. Two inch, throw-away filters shall be standard on TWE180E and TWE240E models.

Table 10. General data — 10-25 tons (TWE120D-TWE300E) standard air handler — 60 Hz

	10 Tons	10 Tons	12.5 Tons	15 Tons	20 Tons	25 Tons
	Single Circuit TWE120D1, D3, DW, DK	Dual Circuit TWE120E1, E3, EW, EK	Dual Circuit TWE150E3, EW, EK	Dual Circuit TWE180E3, EW, EK	Dual Circuit TWE240E3, E4, EW, EK	Dual Circuit TWE300E3, E4, EW, EK
System Data						
No. Refrigerant Circuits	1	2	2	2	2	2
Suction Line Connection (in.) OD	1-3/8	1-1/8	1-3/8	1-3/8	1-3/8	1-3/8
Liquid Line Connection (in.) OD	1/2	1/2	1/2	1/2	1/2	5/8
Indoor Coil						
Type	Lanced/Intertwined	Lanced/Intertwined	Lanced/Intertwined	Lanced/Intertwined	Lanced/Intertwined	Lanced/Face Split
Tube Size (in.)	0.38	0.38	0.38	0.38	0.38	0.38
Face Area (sq. ft.)	11.2	11.2	16.3	16.3	21.7	21.7
Rows/FPI (Fins per inch)	4/14	4/14	4/14	4/14	3/14	4/14
Refrigerant Control	Expansion Valve	Expansion Valve	Expansion Valve	Expansion Valve	Expansion Valve	Expansion Valve
Drain Connection Size (in.)	1 PVC	1 PVC	1 PVC	1 PVC	1 PVC	1 PVC
Indoor Fan						
Type	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal
No. Used/Diameter x Width (in.)	1/15 x 15	1/15 x 15	2/15 x 15	2/15 x 15	2/15 x 15	2/15 x 15
Drive Type/No. Speeds	Belt/Adjustable	Belt/Adjustable	Belt/Adjustable	Belt/Adjustable	Belt/Adjustable	Belt/Adjustable
CFM (Nominal)	4,000	4,000	5,000	6,000	8,000	10,000
No. Motors	1	1	1	1	1	1
Motor HP - Standard/Oversized	2.0/3.0	2.0/3.0	2.0/3.0/5.0	3.0/5.0	3.0/5.0/7.5	7.5
Motor RPM	1725	1725	1755	1,728/1,750	1,750/3,470	3490
Motor Frame Size	56 Hz	56 Hz	145T	56 Hz	184T	184T
Filters^(a)						
Type/Furnished	Throwaway/Yes	Throwaway/Yes	Throwaway/Yes	Throwaway/Yes	Throwaway/Yes	Throwaway/Yes
(No.)/Size Recommended	(4) 16 X 25 X 1	(4) 16 X 25 X 1	(8) 15 X 20 X 2	(8) 15 X 20 X 2	(4) 16 X 25 X 2 (4) 16 X 20 X 2	(4) 16 X 25 X 2 (4) 16 X 20 X 2
Shipping Dimensions						
HxWxD (in.)	61.2" x 30.5" x 69"	61.2" x 30.5" x 69"	76.3" x 33.3" x 85"	76.3" x 33.3" x 85"	79.1" x 35.8" x 95"	79.1" x 35.8" x 95"

Note: Oversized motor not available on D1/DK and E1/EK models.

^(a) One inch, throw-away filters shall be standard on TWE061, TWE073, TWE090, TWE120 model air handlers from the factory. The filter rack can be field converted to two inch capability. Two inch, throw-away filters shall be standard on TWE180E and TWE240E models.



General Data

Table 11. General data – 6-10 tons (TWE073E*** - TWE120E*****) SZVAV and 2-speed VFD air handler – 60 Hz**

	6 Tons	7.5 Tons	10 Tons	10 Tons
	Dual Circuit TWE073E3****, E4****, EW****	Dual Circuit TWE090E3****, E4****, EW****	Single Circuit TWE120D3****, D4****, DW****	Dual Circuit TWE120E3****, E4****, EW****
Indoor Fan				
Type	Centrifugal	Centrifugal	Centrifugal	Centrifugal
No. Used/Diameter x Width (in.)	1/15 x 15	1/15 x 15	1/15 x 15	1/15 x 15
Drive Type/No. Speeds	Belt/VFD Variable	Belt/VFD Variable	Belt/VFD Variable	Belt/VFD Variable
CFM (Nominal)	2,400	3,000	4,000	4,000
No. Motors	1	1	1	1
Motor HP - Standard/Oversized	2.0/3.0	2.0/3.0	2.0/3.0	2.0/3.0
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56HZ	56HZ	56HZ	56HZ

Table 12. General data – 12.5-25 tons (TWE150E*** - TWE300E*****) SZVAV and 2-speed VFD air handler – 60 Hz**

	12.5 Tons	15 Tons	20 Tons	25 Tons
	Dual Circuit, TWE150E3****, E4****, EW****	Dual Circuit, TWE180E3****, E4****, EW****	Dual Circuit, TWE240E3****, E4****, EW****	Dual Circuit, TWE300E3****, E4****, EW****
Indoor Fan				
Type	Centrifugal	Centrifugal	Centrifugal	Centrifugal
No. Used/Diameter x Width (in.)	2/15 x 15	2/15 x 15	2/15 x 15	2/15 x 15
Drive Type/No. Speeds	Belt/VFD Variable	Belt/VFD Variable	Belt/VFD Variable	Belt/VFD Variable
CFM (Nominal)	5,000	6,000	8,000	10,000
No. Motors	1	1	1	1
Motor HP - Standard/Oversized	2.0/5.0	3.0/5.0	5.0/7.5	7.5 ^(a)
Motor RPM	1755/3450	1725/3450	3450/3470	3470
Motor Frame Size	56HZ	56HZ	56HZ/184T	184T

^(a) Standard motor only