

# SC SPECIFICATIONS

MODEL	CAPACITY (BTUH/°F TD)	AIR FLOW (CFM)	FACE VELOCITY* (FPM)	FANS		SOUND LEVEL (dbA@10')	SURFACE (FT. <sup>2</sup> )	INTERNAL VOLUME (FT. <sup>3</sup> )	DIMENSIONS L x D x H** (INCHES)	APPROX. WEIGHT (LBS.)
				QTY.	HP					
SC 8-63-1/2	2,810	5,200	650	1	1/2	74	630	1.1	46 x 40 x 42	820
SC 8-64-1/2	3,020	5,000	625	1	1/2	74	820	1.1	46 x 40 x 42	860
SC 8-83-1/2	3,304	4,960	620	1	1/2	74	840	1.4	46 x 40 x 42	960
SC 8-84-1/2	3,440	4,640	580	1	1/2	74	1,090	1.4	46 x 40 x 42	1,020
SC 8-63-3/4	3,130	6,320	<b>790</b>	1	3/4	74	630	1.1	46 x 40 x 42	820
SC 8-64-3/4	3,360	6,080	<b>760</b>	1	3/4	74	820	1.1	46 x 40 x 42	860
SC 8-83-3/4	3,710	6,040	<b>755</b>	1	3/4	74	840	1.4	46 x 40 x 42	960
SC 8-84-3/4	3,880	5,680	<b>710</b>	1	3/4	74	1,090	1.4	46 x 40 x 42	1,020
SC16-63-1/2	5,620	10,400	650	2	1/2	77	1,260	1.9	78 x 40 x 42	1,640
SC16-64-1/2	6,040	10,000	625	2	1/2	77	1,640	1.9	78 x 40 x 42	1,730
SC16-83-1/2	6,608	9,920	620	2	1/2	77	1,680	2.4	78 x 40 x 42	1,920
SC16-84-1/2	6,880	9,280	580	2	1/2	77	2,190	2.4	78 x 40 x 42	2,040
SC16-63-3/4	6,260	12,640	<b>790</b>	2	3/4	77	1,260	1.9	78 x 40 x 42	1,640
SC16-64-3/4	6,720	12,160	<b>760</b>	2	3/4	77	1,640	1.9	78 x 40 x 42	1,730
SC16-83-3/4	7,420	12,080	<b>755</b>	2	3/4	77	1,680	2.4	78 x 40 x 42	1,920
SC16-84-3/4	7,760	11,360	<b>710</b>	2	3/4	77	2,190	2.4	78 x 40 x 42	2,040
SC24-63-1/2	8,430	15,600	650	3	1/2	79	1,890	2.7	110 x 40 x 42	2,460
SC24-64-1/2	9,060	15,000	625	3	1/2	79	2,470	2.7	110 x 40 x 42	2,590
SC24-83-1/2	9,912	14,880	620	3	1/2	79	2,520	3.4	110 x 40 x 42	2,880
SC24-84-1/2	10,320	13,920	580	3	1/2	79	3,290	3.4	110 x 40 x 42	3,060
SC24-63-3/4	9,390	18,960	<b>790</b>	3	3/4	79	1,890	2.7	110 x 40 x 42	2,460
SC24-64-3/4	10,080	18,240	<b>760</b>	3	3/4	79	2,470	2.7	110 x 40 x 42	2,590
SC24-83-3/4	11,130	18,120	<b>755</b>	3	3/4	79	2,520	3.4	110 x 40 x 42	2,880
SC24-84-3/4	11,640	17,040	<b>710</b>	3	3/4	79	3,290	3.4	110 x 40 x 42	3,060
SC32-63-1/2	11,240	20,800	650	4	1/2	80	2,520	3.5	142 x 40 x 42	3,280
SC32-64-1/2	12,080	20,000	625	4	1/2	80	3,280	3.5	142 x 40 x 42	3,460
SC32-83-1/2	13,216	19,840	620	4	1/2	80	3,360	4.3	142 x 40 x 42	3,840
SC32-84-1/2	13,760	18,560	580	4	1/2	80	4,380	4.3	142 x 40 x 42	4,080
SC32-63-3/4	12,520	25,280	<b>790</b>	4	3/4	80	2,520	3.5	142 x 40 x 42	3,280
SC32-64-3/4	13,440	24,320	<b>760</b>	4	3/4	80	3,280	3.5	142 x 40 x 42	3,460
SC32-83-3/4	14,840	24,160	<b>755</b>	4	3/4	80	3,360	4.3	142 x 40 x 42	3,840
SC32-84-3/4	15,520	22,720	<b>710</b>	4	3/4	80	4,380	4.3	142 x 40 x 42	4,080
SC40-63-1/2	14,050	26,000	650	5	1/2	81	3,150	4.4	174 x 40 x 42	4,100
SC40-64-1/2	15,100	25,000	625	5	1/2	81	4,110	4.4	174 x 40 x 42	4,320
SC40-83-1/2	16,520	24,800	620	5	1/2	81	4,200	5.5	174 x 40 x 42	4,800
SC40-84-1/2	17,200	23,200	580	5	1/2	81	5,480	5.5	174 x 40 x 42	5,100
SC40-63-3/4	15,650	31,600	<b>790</b>	5	3/4	81	3,150	4.4	174 x 40 x 42	4,100
SC40-64-3/4	16,800	30,400	<b>760</b>	5	3/4	81	4,110	4.4	174 x 40 x 42	4,320
SC40-83-3/4	18,550	30,200	<b>755</b>	5	3/4	81	4,200	5.5	174 x 40 x 42	4,800
SC40-84-3/4	19,400	28,400	<b>710</b>	5	3/4	81	5,480	5.5	174 x 40 x 42	5,100
SC48-63-1/2	16,900	31,200	650	6	1/2	82	3,780	5.1	206 x 40 x 43	4,900
SC48-64-1/2	18,100	30,000	625	6	1/2	82	4,930	5.1	206 x 40 x 43	5,100
SC48-83-1/2	19,800	29,800	620	6	1/2	82	5,040	6.4	206 x 40 x 43	5,700
SC48-84-1/2	20,700	37,200	580	6	1/2	82	6,570	6.4	206 x 40 x 43	6,000
SC48-63-3/4	18,800	38,000	<b>790</b>	6	3/4	82	3,780	5.1	206 x 40 x 43	4,900
SC48-64-3/4	20,200	36,400	<b>760</b>	6	3/4	82	4,930	5.1	206 x 40 x 43	5,100
SC48-83-3/4	22,300	36,200	<b>755</b>	6	3/4	82	5,040	6.4	206 x 40 x 43	5,700
SC48-84-3/4	23,200	34,000	<b>710</b>	6	3/4	82	6,570	6.4	206 x 40 x 43	6,000

\*Face velocities in bold type correspond to models not recommended for use above 32°F room temperature due to the possibility of moisture carryover.

\*\*Dimensions for air defrost or hot gas to cooling coil only. Increase height by 1" for hot gas heated pan.

Performance is based upon flooded or recirculated NH<sub>3</sub> with 1" OD tubes and lightly frosted coil.

For operation with wet coil increase capacity 12%.

For operation with D.X. NH<sub>3</sub> at +20°F suction and above decrease capacity 16%.

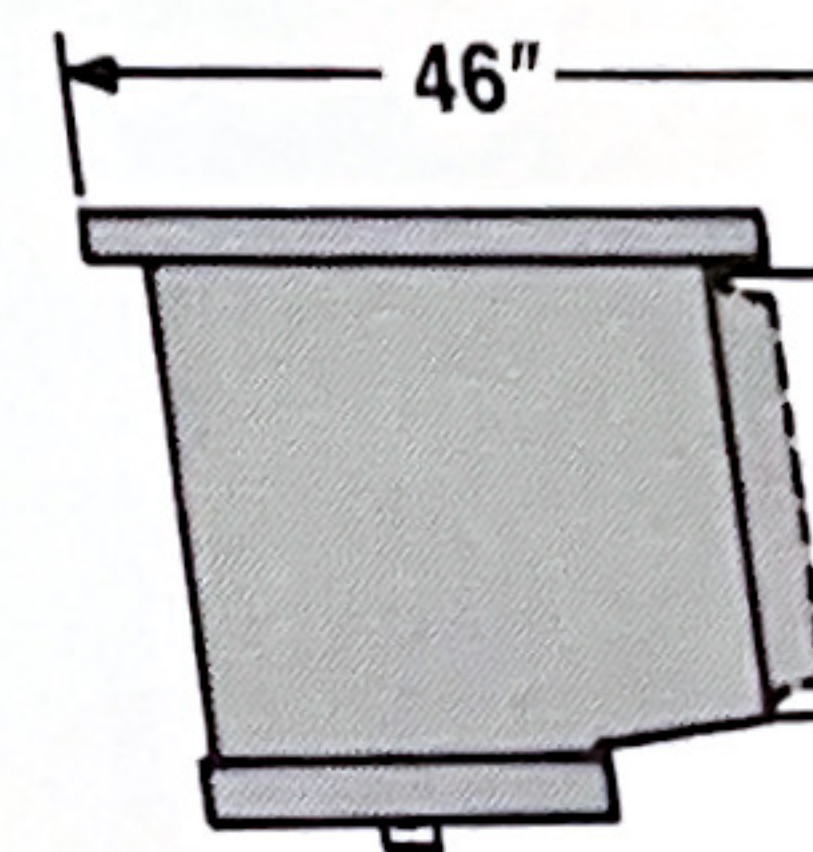
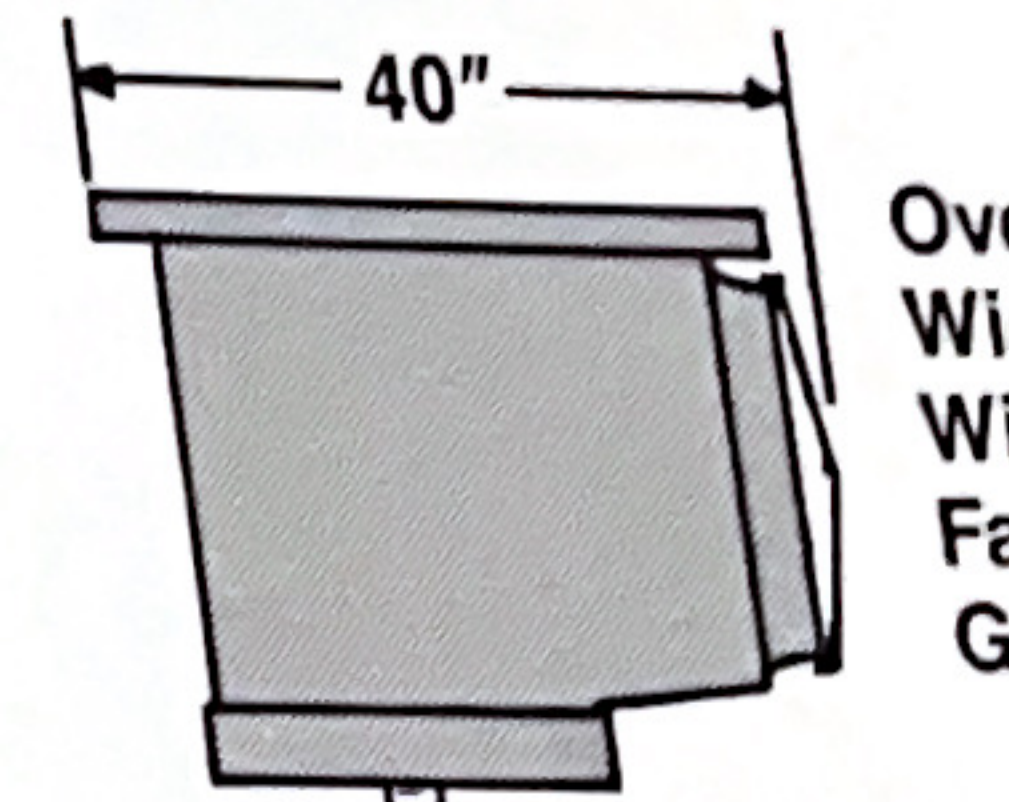
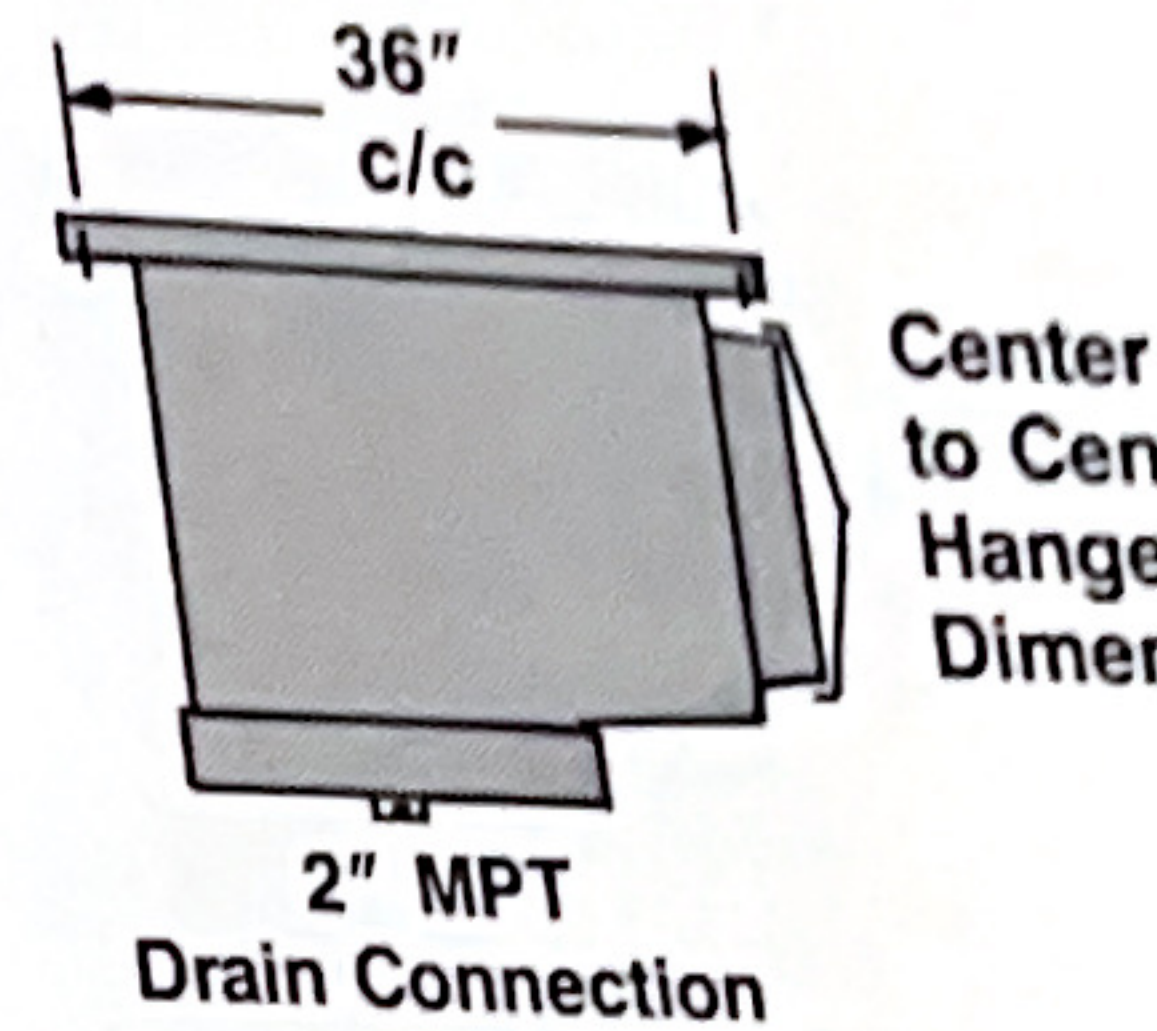
For operation with D.X. halocarbon at -20°F suction and above decrease capacity 14%.

Specification data based upon 1" OD tubes.

For units with 3/4" tubes (for D.X. operation or brine) decrease coil volume 24% and coil surface 4%.

Consult Vilter or Authorized Distributor for modifications and optional accessories.

**STANDARD CONSTRUCTION**  
 Fans and motors: 24" diameter propeller fans motor with automatic internal protectors.  
 Coils: All steel and hot-dip galvanized after  
 Tubes: 1" OD or 3/4" OD x .060 wall AST  
 Fins: 3 or 4 per inch; variable fin spacing a  
 Cabinets: Welded steel hot-dip galvanized fr  
 are optional.  
 Drain Pans: Insulated stainless steel.



\*Dimensions for  
 • Drawings are  
 • In the interest