



Evaporative Condensers

Advanced Technology for the Future, Available Today

ENGINEERING MANUAL



Models ATC 503B to 967B

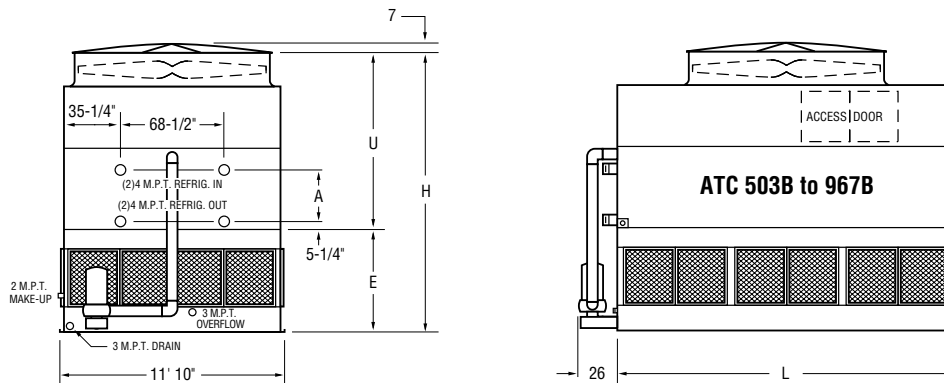


Table 10 Engineering Data

ATC Model No.*	R-717 Tons*	Fans		Weights			Refrigerant Operating Charge lbs.***	Coil Volume ft ³	Spray Pump		Remote Pump			Dimensions				
		HP	CFM	Shipping	Operating	Heaviest Section†			HP	GPM	Gallons Req'd**	Conn. Size	Operating Weight	Height H	Upper U	Lower E	Coil A	Length L
503B	357	20	78,900	18,510	25,480	15,940	500	68	5	800	490	12"	21,570	14' 9-3/4"	9' 7-5/8"	5' 2-1/8"	39-1/4"	11' 11-3/4"
523B	371	25	84,000	18,560	25,530	15,990	500	68	5	800	490	12"	21,620	14' 9-3/4"	9' 7-5/8"	5' 2-1/8"	39-1/4"	11' 11-3/4"
539B	382	30	88,500	18,660	25,630	16,090	500	68	5	800	490	12"	21,720	14' 9-3/4"	9' 7-5/8"	5' 2-1/8"	39-1/4"	11' 11-3/4"
559B	397	30	85,700	20,990	28,150	18,420	595	81	5	800	490	12"	24,240	15' 6-1/4"	10' 4-1/8"	5' 2-1/8"	47-3/4"	11' 11-3/4"
581B	413	25	94,000	21,110	29,320	18,190	580	79	5	900	570	12"	24,790	15' 3-3/4"	9' 7-5/8"	5' 8-1/8"	39-1/4"	13' 11-3/4"
601B	427	25	91,100	24,070	32,500	21,150	690	94	5	900	570	12"	27,970	16' 0"	10' 4-1/8"	5' 8-1/8"	47-3/4"	13' 11-3/4"
620B	440	30	95,800	24,140	32,570	21,220	690	94	5	900	570	12"	28,040	16' 0"	10' 4-1/8"	5' 8-1/8"	47-3/4"	13' 11-3/4"
647B	459	40	103,800	24,400	32,830	21,480	690	94	5	900	570	12"	28,300	16' 0"	10' 4-1/8"	5' 8-1/8"	47-3/4"	13' 11-3/4"
642B	456	20	110,100	23,400	33,640	19,600	595	81	7-1/2	1,200	720	12"	27,730	15' 1-1/4"	8' 11-1/8"	6' 2-1/8"	30-3/4"	18' 0"
682B	484	25	118,400	23,450	33,690	19,650	595	81	7-1/2	1,200	720	12"	27,780	15' 1-1/4"	8' 11-1/8"	6' 2-1/8"	30-3/4"	18' 0"
713B	506	30	126,000	23,560	33,800	19,760	595	81	7-1/2	1,200	720	12"	27,890	15' 1-1/4"	8' 11-1/8"	6' 2-1/8"	30-3/4"	18' 0"
747B	531	25	114,900	26,700	37,220	22,900	740	101	7-1/2	1,200	720	12"	31,310	15' 9-3/4"	9' 7-5/8"	6' 2-1/8"	39-1/4"	18' 0"
781B	554	30	122,100	26,810	37,330	23,010	740	101	7-1/2	1,200	720	12"	31,420	15' 9-3/4"	9' 7-5/8"	6' 2-1/8"	39-1/4"	18' 0"
827B	587	40	132,600	27,070	37,590	23,270	740	101	7-1/2	1,200	720	12"	31,680	15' 9-3/4"	9' 7-5/8"	6' 2-1/8"	39-1/4"	18' 0"
854B	606	40	128,400	30,410	41,200	26,610	885	121	7-1/2	1,200	720	12"	35,290	16' 6-1/4"	10' 4-1/8"	6' 2-1/8"	47-3/4"	18' 0"
892B	633	50	136,700	30,470	41,260	26,670	885	121	7-1/2	1,200	720	12"	35,350	16' 6-1/4"	10' 4-1/8"	6' 2-1/8"	47-3/4"	18' 0"
869B	617	40	143,200	29,870	41,660	25,570	820	112	10	1,400	800	14"	34,890	15' 9-3/4"	9' 7-5/8"	6' 2-1/8"	39-1/4"	20' 0"
907B	644	50	152,400	29,930	41,720	25,630	820	112	10	1,400	800	14"	34,950	15' 9-3/4"	9' 7-5/8"	6' 2-1/8"	39-1/4"	20' 0"
935B	664	50	147,600	34,040	46,140	29,740	985	134	10	1,400	800	14"	39,370	16' 6-1/4"	10' 4-1/8"	6' 2-1/8"	47-3/4"	20' 0"
967B	687	60	155,300	34,150	46,250	29,850	985	134	10	1,400	800	14"	39,480	16' 6-1/4"	10' 4-1/8"	6' 2-1/8"	47-3/4"	20' 0"

* Tons at standard conditions: HCFC-22 and HFC-134a. 105°F condensing, 40°F suction and 78°F W.B.; ammonia 96.3°F condensing, 20°F suction and 78°F W.B.

** Gallons shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation. (12" would normally be sufficient.)

† Heaviest section is the coil section.

*** Refrigerant charge is shown for R-717. Multiply by 1.93 for R-22 and 1.98 for R-134a. Dimensions are subject to change. Do not use for pre-fabrication.