



RPM AC Cooling Tower Motor & Drive Specifications

Select motor frame size based upon required fan torque

	Electrical			Mechanical			Drive						
	Motor Frame Size	Motor Base Speed (RPM)	Fan Torque (lb-ft)	Motor HP at Base Speed	Min Bolt Circle (Inches)	Max Bolt Circle (Inches)	* Motor Height Excludes Shaft (Inches)	Model #	Amps at 460V	Frame	Dimensions (H x W x D) (Inches)	Drive Wt. (lbs.)	
Air Cooled Units	FL2554	500	100	9.5	14	16	14.87	VS1CTD410-1B	11.4	AA	12.27 x 7.97 x 8.21	20	
	FL2562	350	158	10.5	14	16	16.87	VS1CTD410-1B	12.8	AA	12.27 x 7.97 x 8.21	20	
	FL2570	275	220	11.5	14	16	18.87	VS1CTD415-1B	14.2	B	18.00 x 9.10 x 9.75	30	
	FL2578	375	273	19.5	14	16	20.87	VS1CTD420-1B	23.0	B	18.00 x 9.10 x 9.75	30	
	FL2873	375	294	21	16	20	18.87	VS1CTD425-1B	24.0	B	18.00 x 9.10 x 9.75	30	
	FL2882	300	385	22	16	20	21.12	VS1CTD425-1B	25.8	B	18.00 x 9.10 x 9.75	30	
	FL2890	250	441	21	16	20	23.12	VS1CTD425-1B	24.6	B	18.00 x 9.10 x 9.75	30	
	FL4472	300	665	38	22	25	17.59	VS1CTD440-1B	45.2	C	22.00 x 9.10 x 9.75	60	
	FL4477	275	840	44	22	25	18.84	VS1CTD450-1B	52.1	C	22.00 x 9.10 x 9.75	60	
	FL4485	250	1113	53	22	25	20.84	VS1CTD460-1B	62.4	D	28.00 x 11.50 x 13.00	120	
	FL4493	200	1392	53	22	25	22.84	VS1CTD460-1B	62.7	D	28.00 x 11.50 x 13.00	120	
	FL4402	200	1707	65	22	25	25.09	VS1CTD475-1B	76.5	D	28.00 x 11.50 x 13.00	120	
	FL4413	150	2101	60	22	25	29.84	VS1CTD460-1B	71.4	D	28.00 x 11.50 x 13.00	120	
	FL4421	150	2381	68	22	25	29.84	VS1CTD475-1B	80.7	D	28.00 x 11.50 x 13.00	120	
FL4429	160	2659	81	22	25	31.84	VS1CTD4100-1B	95.4	D	28.00 x 11.50 x 13.00	120		
FL4440	200	3099	118	22	25	34.59	VS1CTD4100-1B	137.0	D	28.00 x 11.50 x 13.00	120		
Water Cooled Units	WC5207	200	1654	56			19.5	VS1CTD460-1B	67.9	D	28.00 x 11.50 x 13.00	120	
	WC5210	175	2701	82.5			22.25	VS1CTD4100-1B	99.3	D	28.00 x 11.50 x 13.00	120	
	WC5212	175	3151	105			25	VS1CTD4125-1B	125.7	D	28.00 x 11.50 x 13.00	120	
	WC5214	175	3601	120			26.75	VS1CTD4125-1B	143.7	D	28.00 x 11.50 x 13.00	120	
	WC5216	175	4022	134			28.5	VS1CTD4150-1T	159.0	E	48.21 x 18.75 x 16.05	250	
	WC5219	150	4692	134			31.25	VS1CTD4150-1T	160.2	E	48.21 x 18.75 x 16.05	250	
	WC5221	150	5375	153.5			34	VS1CTD4150-1T	182.7	E	48.21 x 18.75 x 16.05	250	
	WC5224	150	6057	173			36.75	VS1CTD4200-1T	205.5	E	48.21 x 18.75 x 16.05	250	
	WC5227	150	6723	192			39.5	VS1CTD4200-1T	227.6	E	48.21 x 18.75 x 16.05	250	

*Motor height excludes shaft extension (bottom of lower flange to top of motor) custom motor shaft lengths available

Maximum fan speed is limited by fan tip speed of 12,000 fpm

Ratings selections based upon air flow velocity of 750 feet per minute over the motor (for air cooled units) and 4KHz drive carrier frequency