



For assistance with motor selection, see pages 3 to 7.

3-Phase NEMA Premium Efficient Cooling Tower Motors



- Enclosure: totally enclosed fan-cooled
- Rotation: CW/CCW
- Thermal protection: none
- Service factor: 1.25
- Insulation: Class F, with B temperature rise for longer life
- Inverter rated
- Mounting: rigid base
- Frame material: cast-iron
- Bearings: ball
- Max. ambient temp.: 40°C
- Usable at 208V
- Space heater included
- Warranty: 3 yr.

Durable synthetic enamel alkyd resin paint resists corrosion. V-ring slingers and umbrella seal on both endshields protect bearings from moisture and contaminants. Multiple endbell drains provide for shaft-up, -down, or -horizontal mounting. Include threaded conduit box with automatic drain and rubber lead separators at the motor frame. Stainless steel laser-etched nameplate maintains information over long life. Suitable for operation in 100% humidity and corrosive environments. For use in cooling tower applications where the motor is mounted in the airstream. Meet IP55 enclosure rating.

Note: Motors are suitable for use at 50 Hz at rated HP and 1.25 service factor.

HP	Nameplate RPM	Frame	Voltage	Full Load Amps	Nom. Efficiency	Overall Length	Mr. Model	Item No.
F1 Conduit Box Position								
1	1,760	143T	230/460V AC	2.9/1.47	85.5 %	12 3/8 in	00118ET3ECT143TF1-W2	19C670
1 1/2	1,755	143/5T	200V AC	4.7	86.5 %	13 3/8 in	00158ET3PCT145TF1-W2	19C671
	1,755	143/5T	230/460V AC	4.0/2.0	86.5 %	13 3/8 in	00158ET3ECT145TF1-W2	19C672
2	1,755	143/5T	200V AC	6.4	86.5 %	13 3/8 in	00218ET3PCT145TF1-W2	19C673
	1,755	143/5T	230/460V AC	5.5/2.8	86.5 %	13 3/8 in	00218ET3ECT145TF1-W2	19C674
3	1,760	182T	200V AC	9.0	89.5 %	14 7/8 in	00318ET3PCT182TF1-W2	19C675
	1,760	182T	230/460V AC	7.8/3.9	89.5 %	14 7/8 in	00318ET3ECT182TF1-W2	19C676
5	1,755	182/4T	200V AC	14.8	89.5 %	15 1/2 in	00518ET3PCT184TF1-W2	19C677
	1,755	182/4T	230/460V AC	12.9/6.45	89.5 %	15 1/2 in	00518ET3ECT184TF1-W2	19C678
7 1/2	1,765	213T	200V AC	21.1	91.7 %	18 in	00718ET3PCT213TF1-W2	19C679
	1,765	213T	230/460V AC	18.4/9.2	91.7 %	18 in	00718ET3ECT213TF1-W2	19C680
10	1,765	213/5T	200V AC	28.5	91.7 %	19 1/2 in	01018ET3PCT215TF1-W2	19C681
	1,765	213/5T	230/460V AC	24.8/12.4	91.7 %	19 1/2 in	01018ET3ECT215TF1-W2	19C682
15	1,175	254/6T	230/460V AC	26.6/13.3	91 %	24 15/16 in	01012ET3ECT256TF1-W2	19C683
	1,765	254T	200V AC	41.4	92.4 %	23 3/8 in	01518ET3PCT254TF1-W2	19C684
20	1,765	254T	230/460V AC	36.0/18.0	92.4 %	23 3/8 in	01518ET3ECT254TF1-W2	19C685
	1,765	254/6T	200V AC	55.4	93 %	24 15/16 in	02018ET3PCT256TF1-W2	19C686
25	1,765	284/6T	230/460V AC	48.2/24.1	93 %	24 15/16 in	02018ET3ECT256TF1-W2	19C687
	1,765	284T	200V AC	67.8	93.6 %	26 7/16 in	02518ET3PCT284TF1-W2	19C688
30	1,765	284T	230/460V AC	59.0/29.5	93.6 %	26 7/16 in	02518ET3ECT284TF1-W2	19C689
	1,765	284/6T	200V AC	80.7	93.6 %	27 15/16 in	03018ET3PCT286TF1-W2	19C690
40	1,765	284/6T	230/460V AC	70.2/35.1	93.6 %	27 15/16 in	03018ET3ECT286TF1-W2	19C691
	1,770	324T	200V AC	108.0	94.1 %	29 3/8 in	04018ET3PCT324TF1-W2	19C692
	1,770	324T	230/460V AC	94.2/47.1	94.1 %	29 3/8 in	04018ET3ECT324TF1-W2	19C693
F2 Conduit Box Position								
1	1,760	143T	230/460V AC	2.9/1.47	85.5 %	12 3/8 in	00118ET3ECT143T-W22	6EGP2
1 1/2	1,160	143/5T	230/460V AC	3.5/1.73	82.5 %	13 3/8 in	00112ET3ECT145T-W22	6EGP3
	1,755	143/5T	230/460V AC	4.0/2.0	86.5 %	13 3/8 in	00158ET3ECT145T-W22	6EGP4
2	1,170	182T	230/460V AC	5.1/2.5	87.5 %	14 7/8 in	00152ET3ECT182T-W22	6EGP5
	1,755	143/5T	230/460V AC	5.5/2.8	86.5 %	13 3/8 in	00218ET3ECT145T-W22	6EGP6
3	1,170	182/4T	230/460V AC	6.4/3.2	88.5 %	15 1/2 in	00212ET3ECT184T-W22	6EGP7
	1,760	182T	230/460V AC	7.8/3.9	89.5 %	14 7/8 in	00318ET3ECT182T-W22	6EGP8
5	1,175	213T	230/460V AC	8.8/4.4	89.5 %	18 in	00312ET3ECT213T-W22	6EGP9
	1,755	182/4T	200V AC	14.8	89.5 %	15 1/2 in	00518ET3PCT184T-W22	6EGR0
7 1/2	1,755	182/4T	230/460V AC	12.9/6.45	89.5 %	15 1/2 in	00518ET3ECT184T-W22	6EGR1
	1,170	213/5T	200V AC	15.7	89.5 %	19 1/2 in	00512ET3PCT215T-W22	6EGR2
10	1,170	213/5T	230/460V AC	13.7/6.83	89.5 %	19 1/2 in	00512ET3ECT215T-W22	6EGR3
	1,765	213T	200V AC	21.1	91.7 %	18 in	00718ET3PCT213T-W22	6EGR4
15	1,765	213T	230/460V AC	18.4/9.2	91.7 %	18 in	00718ET3ECT213T-W22	6EGR5
	1,175	254T	200V AC	21.8	91 %	23 3/8 in	00712ET3PCT254T-W22	6EGR6
20	1,175	254T	230/460V AC	19.0/9.5	91 %	23 3/8 in	00712ET3PCT254T-W22	6EGR7
	1,765	213/5T	200V AC	28.5	91.7 %	19 1/2 in	01018ET3PCT215T-W22	6EGR8
25	1,765	213/5T	230/460V AC	24.8/12.4	91.7 %	19 1/2 in	01018ET3ECT215T-W22	6EGR9
	1,175	254/6T	200V AC	30.6	91 %	24 15/16 in	01012ET3PCT256T-W22	6EGT0
30	1,175	254/6T	230/460V AC	26.6/13.3	91 %	24 15/16 in	01012ET3ECT256T-W22	6EGT1
	1,765	254T	200V AC	41.4	92.4 %	23 3/8 in	01518ET3PCT254T-W22	6EGT2
40	1,765	254T	230/460V AC	36.0/18.0	92.4 %	23 3/8 in	01518ET3ECT254T-W22	6EGT3
	1,175	284T	200V AC	41.2	91.7 %	26 7/16 in	01512ET3PCT284T-W22	6EGT4
50	1,175	284T	230/460V AC	35.8/17.9	91.7 %	26 7/16 in	01512ET3PCT284T-W22	6EGT5
	1,765	254/6T	200V AC	55.4	93 %	24 15/16 in	02018ET3PCT256T-W22	6EGT6
60	1,765	254/6T	230/460V AC	48.2/24.1	93 %	24 15/16 in	02018ET3ECT256T-W22	6EGT7
	1,175	284/6T	200V AC	55.7	91.7 %	27 15/16 in	02012ET3PCT286T-W22	6EGT8
75	1,175	284/6T	230/460V AC	48.4/24.2	91.7 %	27 15/16 in	02012ET3PCT286T-W22	6EGT9
	1,765	284T	200V AC	67.8	93.6 %	26 7/16 in	02518ET3PCT284T-W22	6EGU0
100	1,765	284T	230/460V AC	59.0/29.5	93.6 %	26 7/16 in	02518ET3ECT284T-W22	6EGU1
	1,180	324T	200V AC	70.8	93 %	29 3/8 in	02512ET3PCT324T-W22	6EGU2
125	1,180	324T	230/460V AC	61.6/30.8	93 %	29 3/8 in	02512ET3ECT324T-W22	6EGU3
	1,765	284/6T	200V AC	80.7	93.6 %	27 15/16 in	03018ET3PCT286T-W22	6EGU4
150	1,765	284/6T	230/460V AC	70.2/35.1	93.6 %	27 15/16 in	03018ET3PCT286T-W22	6EGU5
	1,180	324/6T	200V AC	83.3	93 %	31 1/8 in	03012ET3PCT326T-W22	6EGU6
200	1,180	324/6T	230/460V AC	72.4/36.2	93 %	31 1/8 in	03012ET3PCT326T-W22	6EGU7
	1,770	324T	230/460V AC	94.2/47.1	94.1 %	29 3/8 in	04018ET3ECT324T-W22	6EGU8
250	1,185	364/5T	230/460V AC	93.0/46.5	94.1 %	34 1/4 in	04012ET3ECT364T-W22	6EGU9
	1,775	324/6T	230/460V AC	118.0/59.2	94.5 %	31 1/8 in	05018ET3ECT326T-W22	6EGV0
300	1,180	364/5T	230/460V AC	115.0/57.4	94.1 %	34 1/4 in	05012ET3ECT365T-W22	6EGV1
	1,780	364/5T	230/460V AC	143.0/71.6	95 %	34 1/4 in	06018ET3ECT364T-W22	6EGV2
400	1,185	404/5T	230/460V AC	139.0/69.5	94.5 %	39 3/4 in	06012ET3ECT404T-W22	6EGV3
	1,780	364/5T	230/460V AC	174.0/87.2	95.4 %	34 1/4 in	07518ET3ECT365T-W22	6EGV4
500	1,184	404/5T	230/460V AC	170/84.9	94.5 %	39 3/4 in	07512ET3ECT405T-W22	6EGV5
	1,780	404/5T	230/460V AC	226.0/113.0	95.4 %	39 3/4 in	10018ET3ECT405T-W22	6EGV6
600	1,185	444/5T	230/460V AC	242.0/121.0	95 %	44 15/16 in	10012ET3ECT444T-W22	6EGV7



F1 Conduit Box Position



F2 Conduit Box Position

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