

Stock World Motor Cooling Tower Duty Three Phase, TEAO & TEFC Premium Efficient, Inverter Duty 10:1 (6-60 Hz) Speed Range Variable Torque

APPLICATIONS:

For use in Cooling Tower, Evaporative Condenser and other commercial and industrial applications requiring protection from harsh operating conditions with high humidity.

FEATURES:

- INVERTER GRADE® Motors with Insulation that Exceeds the NEMA®† MG-1 Part 31 Standard
- Double Dip & Bake, 100% Solids, Polyester Insulation on Windings
- Class F Insulation, 40°C Ambient
- Cast Iron Frame & Outlet Box
- Cast Iron Bearing Caps
- Double Sealed bearings
- Double Drilled Feet to Accommodate Mounting Flexibility
- Sealed Bracket-to-Frame Registers & Leads
- Stainless Steel Nameplate & Zinc Plated Hardware
- 1.15 Service Factor
- Rotor Balance better than 0.08 in/sec Inverter Compatible: Exceeds NEMA®† MG-1 Part 31 (10:1 Variable Torque)
- NEMA®† Design B Performance on 60 Hertz Sine Wave Power
- Meets IEC 34-5 Classification IP55
- Space Heater (115v)
- Includes CORRO-DUTY® Motor Paint and Rotor Treatment
- Refer to Page vii for Suitability of IHP Motors on Variable Frequency Drives
- Refer to Page 73 for Minimum Air Velocity Requirements

ORDERING INFORMATION:

Options below available from Southaven Distribution Center ONLY

Totally Enclosed Air Over (TEAO)

HP	RPM	Volts	Frame	New Stock Cat#	Assembly Position	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	NEMA Nom. Eff.	Full Load Amps	Notes
2	1200	230/460	184T	CVW2V3B6	W6	DS-3CTSW	1.15	13.6	130	88.5	6.2/3.1	
3	1800	230/460	182T	CVW3V2B6	W6	DS-3CTSW	1.15	13.6	130	89.5	7.7/3.9	
	1200	230/460	213T	CVW3V3B6	W6	DS-3CTSW	1.15	17.1	200	90.2	8.6/4.3	
5	1800	200	184T	CVW5V2H6	W6	DS-3CTSW	1.15	13.6	130	89.5	14.5	
	1800	230/460	184T	CVW5V2B6	W6	DS-3CTSW	1.15	13.6	130	89.5	12.7/6.3	
	1200	230/460	215T	CVW5V3B6	W6	DS-3CTSW	1.15	17.1	200	90.2	14.2/7.1	
7 1/2	1800	200	213T	CVW7V2H6	W6	DS-3CTSW	1.15	17.1	200	91.7	21.9	
	1800	230/460	213T	CVW7V2B6	W6	DS-3CTSW	1.15	17.1	200	91.7	19.2/9.6	
	1200	230/460	254T	CVW7V3B6	W6	DS-3CTSW	1.15	22.3	325	91.0	18.8/9.4	
10	1800	200	215T	CVW10V2H6	W6	DS-3CTSW	1.15	17.1	200	91.7	29.3	
	1800	230/460	215T	CVW10V2B6	W6	DS-3CTSW	1.15	17.1	200	91.7	25.7/12.8	
	1200	230/460	256T	CVW10V3B6	W6	DS-3CTSW	1.15	22.3	325	91.7	25.1/12.5	
15	1800	200	254T	CVW15V2H6	W6	DS-3CTSW	1.15	22.3	325	92.4	41	
	1800	230/460	254T	CVW15V2B6	W6	DS-3CTSW	1.15	22.3	325	92.4	36/18	
	1200	230/460	284T	CVW15V3B6	W6	DS-3CTSW	1.15	24.8	380	91.7	36/18.2	
20	1800	200	256T	CVW20V2H6	W6	DS-3CTSW	1.15	22.3	325	93.0	54	
	1800	230/460	256T	CVW20V2B6	W6	DS-3CTSW	1.15	22.3	325	93.0	47/23.7	
	1200	230/460	286T	CVW20V3B6	W6	DS-3CTSW	1.15	24.8	410	91.7	48/24	
25	1800	230/460	284T	CVW25V2B6	W6	DS-3CTSW	1.15	24.8	380	93.6	58/29.2	
	1200	230/460	324T	CVW25V3B6	W6	DS-3CTSW	1.15	27.5	605	93.0	59/29.3	
30	1800	230/460	286T	CVW30V2B6	W6	DS-3CTSW	1.15	24.8	410	93.6	69/34	
	1200	230/460	326T	CVW30V3B6	W6	DS-3CTSW	1.15	27.5	605	93.0	70/35	
40	1800	230/460	324T	CVW40V2B6	W6	DS-3CTSW	1.15	27.5	605	94.1	92/46	
	1200	230/460	364T	CVW40V3B6	W6	DS-3CTSW	1.15	29.6	740	94.1	94/47	
50	1800	230/460	326T	CVW50V2B6	W6	DS-3CTSW	1.15	27.5	605	94.5	112/56	
	1200	230/460	365T	CVW50V3B6	W6	DS-3CTSW	1.15	29.6	910	94.1	117/59	
60	1800	230/460	364T	CVW60V2B6	W6	DS-3CTSW	1.15	29.6	740	95.0	137/68	
	1200	230/460	404T	CVW60V3B6	W6	DS-3CTSW	1.15	33.8	960	94.5	140/70	
75	1800	230/460	365T	CVW75V2B6	W6	DS-3CTSW	1.15	29.6	910	95.4	170/85	
	1200	230/460	405T	CVW75V3B6	W6	DS-3CTSW	1.15	33.8	990	94.5	178/89	
100	1800	230/460	405T	CVW100V2B6	W6	DS-3CTSW	1.15	33.8	1000	95.4	229/115	

GENERAL PURPOSE UNIMOUNT™
 GENERAL PURPOSE STEEL EDGE™
 GENERAL PURPOSE HOSTILE DUTY
 GENERAL PURPOSE CORRO-DUTY™
 GENERAL PURPOSE 84 PLUS™
 GENERAL PURPOSE OPEN DRIPPROOF™
 GENERAL PURPOSE HAZARDOUS LOCATION™
 GENERAL PURPOSE AUTOMOTIVE DUTY™
 COOLING TOWER DUTY™
 HAZARDOUS LOCATION™
 C-FACE MOTORS™
 VARIABLE SPEED MOTORS AND DRIVES™

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(continued)

Totally Enclosed Fan Cooled (TEFC)

* W6 & W7 mounting not available on Totally Enclosed Fan Cooled (TEFC) Motors.

HP	RPM	Volts	Frame	New Stock Cat#	Assembly Position	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	NEMA Nom. Eff.	Full Load Amps	Notes
2	1800	230/460	145T	CW2V2E2	F2	DS-3CTSW	1.15	13.5	80	86.5	5.3/2.7	
	1200	230/460	184T	CW2V3E2	F2	DS-3CTSW	1.15	16.3	110	88.5	6.2/3.1	
3	1800	200	182T	CW3V2H2	F2	DS-3CTSW	1.15	16.3	100	89.5	8.8	
	1800	230/460	182T	CW3V2E2	F2	DS-3CTSW	1.15	16.3	100	89.5	7.8/3.9	
	1800	575	182T	CW3V2G2	F2	DS-3CTSW	1.15	16.3	100	89.5	3.1	
	1200	230/460	213T	CW3V3E2	F2	DS-3CTSW	1.15	19.6	170	90.2	8.6/4.3	
5	1800	200	184T	CW5V2H2	F2	DS-3CTSW	1.15	16.3	110	89.5	14.5	
	1800	230/460	184T	CW5V2E2	F2	DS-3CTSW	1.15	16.3	110	89.5	12.7/6.3	
	1800	575	184T	CW5V2G2	F2	DS-3CTSW	1.15	16.3	110	89.5	5.1	
	1200	230/460	215T	CW5V3E2	F2	DS-3CTSW	1.15	19.6	180	90.2	14.2/7.1	
7 1/2	1800	200	213T	CW7V2H2	F2	DS-3CTSW	1.15	19.6	170	91.7	22	
	1800	230/460	213T	CW7V2E2	F2	DS-3CTSW	1.15	19.6	170	91.0	19.1/9.6	
	1800	575	213T	CW7V2G2	F2	DS-3CTSW	1.15	19.6	170	91.7	7.8	
	1200	230/460	254T	CW7V3E2	F2	DS-3CTSW	1.15	24.9	250	91.0	18.8/9.4	
10	1800	200	215T	CW10V2H2	F2	DS-3CTSW	1.15	19.6	180	91.7	29.3	
	1800	230/460	215T	CW10V2E2	F2	DS-3CTSW	1.15	19.6	180	91.7	25.7/12.8	
	1800	575	215T	CW10V2G2	F2	DS-3CTSW	1.15	19.6	180	91.7	10.3	
	1200	230/460	256T	CW10V3E2	F2	DS-3CTSW	1.15	24.9	280	91.7	24.9/12.4	
15	1800	200	254T	CW15V2H2	F2	DS-3CTSW	1.15	24.9	270	92.4	41	
	1800	230/460	254T	CW15V2E2	F2	DS-3CTSW	1.15	24.9	270	92.4	36/18	
	1800	575	254T	CW15V2G2	F2	DS-3CTSW	1.15	24.9	270	92.4	14.5	
20	1800	200	256T	CW20V2H2	F2	DS-3CTSW	1.15	24.9	300	93.0	55	
	1800	230/460	256T	CW20V2E2	F2	DS-3CTSW	1.15	24.9	300	93.0	47/23.7	
	1800	575	256T	CW20V2G2	F2	DS-3CTSW	1.15	24.9	300	93.0	18.9	
25	1800	200	284T	CW25V2H2	F2	DS-3CTSW	1.15	27.5	385	93.6	67	
	1800	230/460	284T	CW25V2E2	F2	DS-3CTSW	1.15	27.5	380	93.6	58/29.2	
	1800	575	284T	CW25V2G2	F2	DS-3CTSW	1.15	27.5	380	93.6	23.3	
30	1800	230/460	286T	CW30V2E2	F2	DS-3CTSW	1.15	27.5	410	93.6	70/35	
	1800	575	286T	CW30V2G2	F2	DS-3CTSW	1.15	27.5	410	93.6	28.1	
40	1800	230/460	324T	CW40V2E2	F2	DS-3CTSW	1.15	30.1	600	94.1	92/46	
	1800	575	324T	CW40V2G2	F2	DS-3CTSW	1.15	30.1	600	94.1	37	
50	1800	230/460	326T	CW50V2E2	F2	DS-3CTSW	1.15	30.1	625	94.5	112/56	
	1800	575	326T	CW50V2G2	F2	DS-3CTSW	1.15	30.1	625	94.5	45	
60	1800	230/460	364T	CW60V2E2	F2	DS-3CTSW	1.15	32.3	740	95.0	137/68	
	1800	575	364T	CW60V2G2	F2	DS-3CTSW	1.15	32.3	910	95.0	55	
75	1800	230/460	365T	CW75V2E2	F2	DS-3CTSW	1.15	32.3	910	95.4	170/85	

Minimum Air Velocity Required for TEAO Models

Horsepower	Velocity (FPM) 4 Pole	Velocity (FPM) 6 Pole	Horsepower	Velocity (FPM) 4 Pole	Velocity (FPM) 6 Pole
2	1000	580	25	1500	950
3	1000	600	30	1600	1000
5	1054	700	40	1700	1100
7.5	1023	650	50	1800	1150
10	975	600	60	1800	1150
15	1500	650	75	2000	1300
20	1700	850	100	2000	1300

*Note: Use 1/2 of these velocities for 8 Pole (900 RPM). Use the above velocities for 50 Hz motors (Customer to make adjustments for lower motor speed in order to maintain fan speed).

forecyte

POWERED BY **Nidec**

Asset Condition Monitoring Solution to visualize* health and performance data
Refer to Page 109