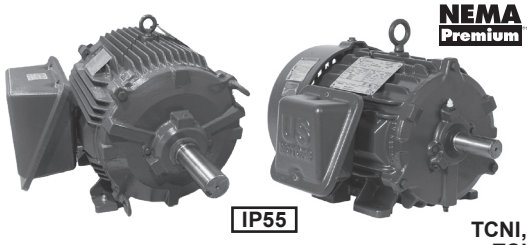
Stock World Motor Cooling Tower Duty Three Phase, TEAO & TEFC Premium Efficient, Inverter Duty 10:1 (6-60 Hz) Speed Range Variable Torque

APPLICATIONS:

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



TCNI, TCI

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
- Internal Shaft Grounding Ring (Where Noted)
- Refer to Page vii for Suitability of IHP Motors on Variable Frequency Drives
- Refer to Page 52 for Minimum Air Velocity Requirements

Totally Enclosed Air Over (TEAO) W6 and F1 Models

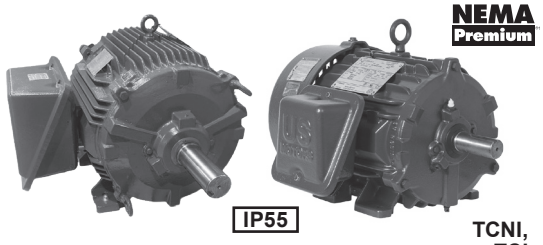
HP	RPM	Volts	Frame	New Stock Cat#	List Price	Assembly Position	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	NEMA Nom. Eff.	Full Load Amps	Notes
2	1200	230/460	184T	CVWG2V3B	$1,744	F1, W6, W8	DS-3CTSW	1.15	13.6	130	88.5	6.2/3.1	SGR
3	1800	230/460	182T	CVWG3V2B	$1,496	F1, W6, W8	DS-3CTSW	1.15	13.6	130	89.5	7.7/3.9	SGR
	1200	230/460	213T	CVW3V3B6	$2,138	W6	DS-3CTSW	1.15	17.1	200	90.2	8.6/4.3	LA
5	1800	200	184T	CVWG5V2H	$1,544	F1, W6, W8	DS-3CTSW	1.15	13.6	130	89.5	14.5	SGR
	1800	230/460	184T	CVWG5V2B	$1,544	F1, W6, W8	DS-3CTSW	1.15	13.6	130	89.5	12.7/6.3	SGR
	1200	230/460	215T	CVW5V3B6	$2,224	W6	DS-3CTSW	1.15	17.1	200	90.2	14.2/7.1	LA
7 1/2	1800	200	213T	CVWG7V2H	$1,994	F1, W6, W8	DS-3CTSW	1.15	17.1	200	91.7	21.9	SGR
	1800	230/460	213T	CVW7V2B6	$1,691	W6	DS-3CTSW	1.15	17.1	200	91.7	19.2/9.6	LA
	1200	230/460	254T	CVWG7V3B	$3,368	F1, W6, W8	DS-3CTSW	1.15	22.3	325	91.0	18.8/9.4	SGR
10	1800	200	215T	CVWG10V2H	$2,279	F1, W6, W8	DS-3CTSW	1.15	17.1	200	91.7	29.3	SGR
	1800	230/460	215T	CVWG10V2B	$2,279	F1, W6, W8	DS-3CTSW	1.15	17.1	180	91.7	25.7/12.8	SGR
	1200	230/460	256T	CVWG10V3B	$3,896	F1, W6, W8	DS-3CTSW	1.15	22.3	325	92.0	25.1/12.5	SGR
15	1800	200	254T	CVWG15V2H	$3,133	F1, W6, W8	DS-3CTSW	1.15	22.3	325	92.4	41	SGR
	1800	230/460	254T	CVWG15V2B	$3,133	F1, W6, W8	DS-3CTSW	1.15	22.3	275	92.4	36/18	SGR
	1200	230/460	284T	CVW15V3B6	$5,105	W6	DS-3CTSW	1.15	24.8	380	91.7	36/18.2	LA
20	1800	200	256T	CVWG20V2H	$3,514	F1, W6, W8	DS-3CTSW	1.15	22.3	325	93.0	54	SGR
	1800	230/460	256T	CVWG20V2B	$3,514	F1, W6, W8	DS-3CTSW	1.15	22.3	325	93.0	47/23.7	SGR
	1200	230/460	286T	CVWG20V3B	$6,094	F1, W6, W8	DS-3CTSW	1.15	24.8	410	91.7	48/24	SGR
25	1800	230/460	284T	CVWG25V2B6	$4,687	W6	DS-3CTSW	1.15	24.8	365	93.6	58/29.2	LA, SGR
	1200	230/460	324T	CVW25V3B6	$7,867	W6	DS-3CTSW	1.15	27.5	605	93.0	59/29.3	LA
30	1800	230/460	286T	CVWG30V2B	$4,836	F1, W6, W8	DS-3CTSW	1.15	24.8	410	93.6	69/34	SGR
	1200	230/460	326T	CVW30V3B6	$8,290	W6	DS-3CTSW	1.15	27.5	605	93.0	70/35	LA
40	1800	230/460	324T	CVWG40V2B	$6,059	F1, W6, W8	DS-3CTSW	1.15	27.5	605	94.1	92/46	SGR
	1200	230/460	364T	CVWG40V3B	$10,735	F1, W6, W8	DS-3CTSW	1.15	29.6	740	94.1	94/47	SGR
50	1800	230/460	326T	CVWG50V2B	$6,973	F1, W6, W8	DS-3CTSW	1.15	27.5	615	94.5	112/56	SGR
	1200	230/460	365T	CVW50V3B6	$12,111	W6	DS-3CTSW	1.15	29.6	910	94.1	117/59	LA
60	1800	230/460	364T	CVWG60V2B6	$9,275	W6	DS-3CTSW	1.15	29.6	705	95.0	137/68	LA, SGR
	1200	230/460	404T	CVW60V3B6	$16,229	W6	DS-3CTSW	1.15	33.8	960	94.5	140/70	LA
75	1800	230/460	365T	CVWG75V2B6	$10,647	W6	DS-3CTSW	1.15	29.6	765	95.0	170/85	LA, SGR
	1200	230/460	405T	CVWG75V3B	$19,090	F1, W6, W8	DS-3CTSW	1.15	33.8	990	94.5	178/89	SGR
100	1800	230/460	405T	CVWG100V2B	$15,574	F1, W6, W8	DS-3CTSW	1.15	33.8	1000	95.4	229/115	SGR

Note LA Limited Availability

Note SGR Shaft Grounding Ring

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

(continued)



TCNI, TCI

Totally Enclosed Air Over (TEAO) F2 Models

HP	RPM	Volts	Frame	New Stock Cat#	List Price	Assembly Position	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	NEMA Nom. Eff.	Full Load Amps	Notes
2	1200	230/460	184T	CVWG2V3B2	$1,744	F2, W5, W7	DS-3CTSW	1.15	13.6	130	88.5	6.2/3.1	SGR
3	1800	230/460	182T	CVWG3V2B2	$1,496	F2, W5, W7	DS-3CTSW	1.15	13.6	130	89.5	7.7/3.9	SGR
	1200	230/460	213T	CVWG3V3B2	$2,441	F2, W5, W7	DS-3CTSW	1.15	17.1	200	90.2	8.6/4.3	SGR
5	1800	200	184T	CVWG5V2H2	$1,544	F2, W5, W7	DS-3CTSW	1.15	13.6	130	89.5	14.5	SGR
	1800	230/460	184T	CVWG5V2B2	$1,544	F2, W5, W7	DS-3CTSW	1.15	13.6	130	89.5	12.7/6.3	SGR
	1200	230/460	215T	CVWG5V3B2	$2,527	F2, W5, W7	DS-3CTSW	1.15	17.1	200	90.2	14.2/7.1	SGR
7 1/2	1800	200	213T	CVWG7V2H2	$1,994	F2, W5, W7	DS-3CTSW	1.15	17.1	200	91.7	21.9	SGR
	1800	230/460	213T	CVWG5V2B2	$1,994	F2, W5, W7	DS-3CTSW	1.15	17.1	200	91.7	19.2/9.6	SGR
	1200	230/460	254T	CVWG7V3B2	$3,368	F2, W5, W7	DS-3CTSW	1.15	22.3	325	91.0	18.8/9.4	SGR
10	1800	200	215T	CVWG10V2H2	$2,279	F2, W5, W7	DS-3CTSW	1.15	17.1	200	91.7	29.3	SGR
	1800	230/460	215T	CVWG10V2B2	$2,279	F2, W5, W7	DS-3CTSW	1.15	17.1	200	91.7	25.7/12.8	SGR
	1200	230/460	256T	CVWG10V3B2	$3,896	F2, W5, W7	DS-3CTSW	1.15	22.3	325	91.7	25.1/12.5	SGR
15	1800	200	254T	CVWG15V2H2	$3,133	F2, W5, W7	DS-3CTSW	1.15	22.3	325	92.4	41	SGR
	1800	230/460	254T	CVWG15V2B2	$3,133	F2, W5, W7	DS-3CTSW	1.15	22.3	325	92.4	36/18	SGR
	1200	230/460	284T	CVWG15V3B2	$5,390	F2, W5, W7	DS-3CTSW	1.15	24.8	380	91.7	36/18.2	SGR
20	1800	200	256T	CVWG20V2H2	$3,514	F2, W5, W7	DS-3CTSW	1.15	22.3	325	93.0	54	SGR
	1800	230/460	256T	CVWG20V2B2	$3,514	F2, W5, W7	DS-3CTSW	1.15	22.3	325	93.0	47/23.7	SGR
	1200	230/460	286T	CVWG20V3B2	$6,094	F2, W5, W7	DS-3CTSW	1.15	24.8	410	91.7	48/24	SGR
25	1800	230/460	284T	CVWG25V2B2	$4,607	F2, W5, W7	DS-3CTSW	1.15	24.8	365	93.6	58/29.2	SGR
	1200	230/460	324T	CVWG25V3B2	$8,179	F2, W5, W7	DS-3CTSW	1.15	27.5	605	93.0	59/29.3	SGR
30	1800	230/460	286T	CVWG30V2B2	$4,836	F2, W5, W7	DS-3CTSW	1.15	24.8	410	93.6	69/34	SGR
	1200	230/460	326T	CVWG30V3B2	$8,602	F2, W5, W7	DS-3CTSW	1.15	27.5	605	93.0	70/35	SGR
40	1800	230/460	324T	CVWG40V2B2	$6,059	F2, W5, W7	DS-3CTSW	1.15	27.5	605	94.1	92/46	SGR
	1200	230/460	364T	CVWG40V3B2	$10,735	F2, W5, W7	DS-3CTSW	1.15	29.6	740	94.1	94/47	SGR
50	1800	230/460	326T	CVWG50V2B2	$6,973	F2, W5, W7	DS-3CTSW	1.15	27.5	605	94.5	112/56	SGR
	1200	230/460	365T	CVWG50V3B2	$12,424	F2, W5, W7	DS-3CTSW	1.15	29.6	910	94.1	117/59	SGR
60	1800	230/460	364T	CVWG60V2B2	$9,168	F2, W5, W7	DS-3CTSW	1.15	29.6	740	95.0	137/68	SGR
	1200	230/460	404T	CVWG60V3B2	$16,553	F2, W5, W7	DS-3CTSW	1.15	33.8	960	94.5	140/70	SGR
75	1800	230/460	365T	CVWG75V2B2	$10,540	F2, W5, W7	DS-3CTSW	1.15	29.6	910	95.4	170/85	SGR
	1200	230/460	405T	CVWG75V3B2	$19,090	F2, W5, W7	DS-3CTSW	1.15	33.8	990	94.5	178/89	SGR
100	1800	230/460	405T	CVWG100V2B2	$15,574	F2, W5, W7	DS-3CTSW	1.15	33.8	1000	95.4	229/115	SGR

Minimum Air Velocity Required for TEAO Models

Horsepower	Velocity (FPM) 4 Pole	Velocity (FPM) 6 Pole
2	1000	580
3	1000	600
5	1054	700
7.5	1023	650
10	975	600
15	1500	650
20	1700	850

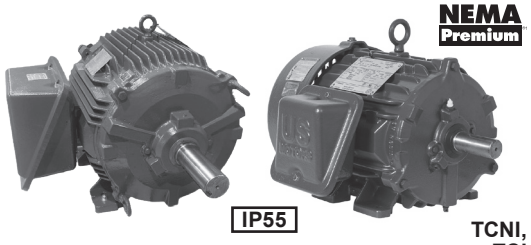
Horsepower	Velocity (FPM) 4 Pole	Velocity (FPM) 6 Pole
25	1500	950
30	1600	1000
40	1700	1100
50	1800	1150
60	1800	1150
75	2000	1300
100	2000	1300

*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).

Note SGR Shaft Grounding Ring

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

(continued)



TCNI, TCI

Totally Enclosed Fan Cooled (TEFC) F1 mounting

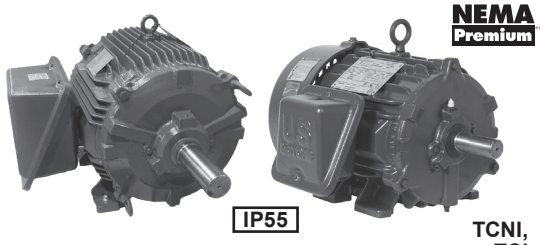
* W6 & W7 mounting not available on Totally Enclosed Fan Cooled (TEFC) Motors.

HP	RPM	Volts	Frame	New Stock Cat#	List Price	Assembly Position	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	NEMA Nom. Eff.	Full Load Amps	Notes
2	1800	230/460	145T	CWG2V2E	$1,023	F1	DS-3CTSW	1	14	80	87	5.3/2.7	SGR
	1200	230/460	184T	CWG2V3E	$1,795	F1	DS-3CTSW	1	16	100	89	6.2/3.1	SGR
3	1800	200	182T	CWG3V2H	$1,555	F1	DS-3CTSW	1	16	100	90	9	SGR
	1800	230/460	182T	CWG3V2E	$1,555	F1	DS-3CTSW	1	16	100	90	7.8/3.9	SGR
	1800	575	182T	CWG3V2G	$1,555	F1	DS-3CTSW	1	16	100	90	3	SGR
	1200	230/460	213T	CWG3V3E	$2,472	F1	DS-3CTSW	1	20	170	90	8.6/4.3	SGR
5	1800	200	184T	CWG5V2H	$1,600	F1	DS-3CTSW	1	16	110	90	15	SGR
	1800	230/460	184T	CWG5V2E	$1,600	F1	DS-3CTSW	1	16	110	90	12.7/6.3	SGR
	1800	575	184T	CWG5V2G	$1,600	F1	DS-3CTSW	1	16	110	90	5	SGR
	1200	230/460	215T	CWG5V3E	$2,556	F1	DS-3CTSW	1	20	180	90	14.2/7.1	SGR
7 1/2	1800	200	213T	CWG7V2H	$2,039	F1	DS-3CTSW	1	20	170	92	22	SGR
	1800	230/460	213T	CWG7V2E	$2,039	F1	DS-3CTSW	1	20	170	91	19.1/9.6	SGR
	1800	575	213T	CWG7V2G	$2,039	F1	DS-3CTSW	1	20	170	92	8	SGR
	1200	230/460	254T	CWG7V3E	$3,412	F1	DS-3CTSW	1	25	250	91	18.8/9.4	SGR
10	1200	230/460	215T	CWG10V2H	$2,316	F1	DS-3CTSW	1	20	180	92	29	SGR
	1800	230/460	215T	CWG10V2E	$2,316	F1	DS-3CTSW	1	20	180	92	25.7/12.8	SGR
	1800	575	215T	CWG10V2G	$2,316	F1	DS-3CTSW	1	20	180	92	10	SGR
	1200	230/460	256T	CWG10V3E	$3,925	F1	DS-3CTSW	1	25	280	92	24.9/12.4	SGR
15	1800	200	254T	CWG15V2H	$3,184	F1	DS-3CTSW	1	25	270	92	41	SGR
	1800	230/460	254T	CWG15V2E	$3,184	F1	DS-3CTSW	1	25	270	92	36/18	SGR
	1800	575	254T	CWG15V2G	$3,184	F1	DS-3CTSW	1	25	270	92	15	SGR
20	1800	200	256T	CWG20V2H	$3,553	F1	DS-3CTSW	1	25	300	93	55	SGR
	1800	230/460	256T	CWG20V2E	$3,553	F1	DS-3CTSW	1	25	300	93	47/23.7	SGR
	1800	575	256T	CWG20V2G1	$3,553	F1	DS-3CTSW	1	25	300	93	19	SGR
25	1800	200	284T	CWG25V2H	$4,615	F1	DS-3CTSW	1	28	385	94	67	SGR
	1800	230/460	284T	CWG25V2E	$4,615	F1	DS-3CTSW	1	28	380	94	58/29.2	SGR
	1800	575	284T	CWG25V2G	$4,615	F1	DS-3CTSW	1	28	380	94	23	SGR
30	1800	230/460	286T	CWG30V2E	$4,837	F1	DS-3CTSW	1	28	410	94	70/35	SGR
	1800	575	286T	CWG30V2G	$4,837	F1	DS-3CTSW	1	28	410	94	28	SGR
40	1800	230/460	324T	CWG40V2E	$6,073	F1	DS-3CTSW	1	30	600	94	92/46	SGR
	1800	575	324T	CWG40V2G	$6,073	F1	DS-3CTSW	1	30	600	94	37	SGR
50	1800	230/460	326T	CWG50V2E	$6,959	F1	DS-3CTSW	1	30	625	95	112/56	SGR
	1800	575	326T	CWG50V2G	$6,959	F1	DS-3CTSW	1	30	625	95	45	SGR
60	1800	230/460	364T	CWG60V2E	$9,093	F1	DS-3CTSW	1	32	740	95	137/68	SGR
	1800	575	364T	CWG60V2G	$9,093	F1	DS-3CTSW	1	32	910	95	55	SGR
75	1800	230/460	365T	CWG75V2E	$10,424	F1	DS-3CTSW	1	32	910	95	170/85	SGR

Note SGR Shaft Grounding Ring

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

(continued)



TCNI, TCI

Totally Enclosed Fan Cooled (TEFC) F2 mounting

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

HP	RPM	Volts	Frame	New Stock Cat#	List Price	Assembly Position	Discount Symbol	SF	"C" Dim. (inches)"	Ship Wt. (lbs)	NEMA Nom. Eff.	Full Load Amps	Notes
2	1800	230/460	145T	CW2V2E2	$698	F2	DS-3CTSW	1.15	14	80	86.5	5.3/2.7	LA
	1200	230/460	184T	CWG2V3E2	$1,795	F2	DS-3CTSW	1.15	16	100	88.5	6.2/3.1	SGR
3	1800	200	182T	CWG3V2H2	$1,555	F2	DS-3CTSW	1.15	16	100	89.5	8.8	SGR
	1800	230/460	182T	CW3V2E2	$1,050	F2	DS-3CTSW	1.15	16	100	89.5	7.8/3.9	LA
	1800	575	182T	CWG3V2G2	$1,555	F2	DS-3CTSW	1.15	16	100	89.5	3.1	SGR
	1200	230/460	213T	CW3V3E2	$1,942	F2	DS-3CTSW	1.15	20	170	90.2	8.6/4.3	LA
5	1800	200	184T	CW5V2H2	$1,095	F2	DS-3CTSW	1.15	16	110	89.5	14.5	LA
	1800	230/460	184T	CWG5V2E2	$1,420	F2	DS-3CTSW	1.15	16	120	89.5	12.7/6.3	LA, SGR
	1800	575	184T	CWG5V2G2	$1,600	F2	DS-3CTSW	1.15	16	110	89.5	5.1	SGR
	1200	230/460	215T	CW5V3E2	$2,026	F2	DS-3CTSW	1.15	20	180	90.2	14.2/7.1	LA
7 1/2	1800	200	213T	CW7V2H2	$1,509	F2	DS-3CTSW	1.15	20	170	91.7	22.0	LA
	1800	230/460	213T	CW7V2E2	$1,509	F2	DS-3CTSW	1.15	20	170	91.0	19.1/9.6	LA
	1800	230/460	213T	CWG7V2E2	$1,834	F2	DS-3CTSW	1.15	20	170	91.7	19.1/9.6	LA, SGR
	1800	575	213T	CWG7V2G2	$2,039	F2	DS-3CTSW	1.15	20	170	91.7	7.8	SGR
	1200	230/460	254T	CWG7V3E2	$3,412	F2	DS-3CTSW	1.15	25	250	91.0	18.8/9.4	SGR
10	1800	200	215T	CWG10V2H2	$2,316	F2	DS-3CTSW	1.15	20	180	91.7	29.3	SGR
	1800	230/460	215T	CW10V2E2	$1,786	F2	DS-3CTSW	1.15	20	180	91.7	25.7/12.8	LA
	1800	575	215T	CWG10V2G2	$2,316	F2	DS-3CTSW	1.15	20	180	91.7	10.3	SGR
	1200	230/460	256T	CWG10V3E2	$3,925	F2	DS-3CTSW	1.15	25	280	91.7	24.9/12.4	SGR
15	1800	200	254T	CW15V2H2	$2,563	F2	DS-3CTSW	1.15	25	270	92.4	41.0	LA
	1800	230/460	254T	CW15V2E2	$2,563	F2	DS-3CTSW	1.15	25	270	92.4	36/18	LA
	1800	575	254T	CW15V2G2	$2,563	F2	DS-3CTSW	1.15	25	270	92.4	14.5	LA
20	1800	200	256T	CW20V2H2	$2,932	F2	DS-3CTSW	1.15	25	300	93.0	55.0	LA
	1800	230/460	256T	CW20V2E2	$2,932	F2	DS-3CTSW	1.15	25	300	93.0	47/23.7	LA
	1800	575	256T	CWG20V2G2	$3,553	F2	DS-3CTSW	1.15	25	300	93.0	18.9	SGR
25	1800	200	284T	CW25V2H2	$3,981	F2	DS-3CTSW	1.15	28	385	93.6	67.0	LA
	1800	230/460	284T	CWG25V2E2	$4,346	F2	DS-3CTSW	1.15	28	375	93.6	58/29.2	LA, SGR
	1800	575	284T	CW25V2G2	$3,981	F2	DS-3CTSW	1.15	28	380	93.6	23.3	LA
30	1800	230/460	286T	CW30V2E2	$4,203	F2	DS-3CTSW	1.15	28	410	93.6	70/35	LA
	1800	230/460	286T	CWG30V2E2	$4,568	F2	DS-3CTSW	1.15	28	385	93.6	70/35	LA, SGR
	1800	575	286T	CWG30V2G2	$4,837	F2	DS-3CTSW	1.15	28	410	93.6	28.1	SGR
40	1800	230/460	324T	CW40V2E2	$5,307	F2	DS-3CTSW	1.15	30	600	94.1	92/46	LA
	1800	230/460	324T	CWG40V2E2	$5,685	F2	DS-3CTSW	1.15	30	515	94.1	92/46	LA, SGR
	1800	575	324T	CWG40V2G2	$6,073	F2	DS-3CTSW	1.15	30	600	94.1	37.0	SGR
50	1800	230/460	326T	CW50V2E2	$6,193	F2	DS-3CTSW	1.15	30	625	94.5	112/56	LA
	1800	575	326T	CWG50V2G2	$6,959	F2	DS-3CTSW	1.15	30	625	94.5	45.0	SGR
60	1800	230/460	364T	CW60V2E2	$8,297	F2	DS-3CTSW	1.15	32	740	95.0	137/68	LA
	1800	575	364T	CWG60V2G2	$9,093	F2	DS-3CTSW	1.15	32	910	95.0	55.0	SGR
75	1800	230/460	365T	CWG75V2E2	$10,424	F2	DS-3CTSW	1.15	32	910	95.4	170/85	SGR

Note LA Limited Availability

Note SGR Shaft Grounding Ring