General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) World Motor CORRO-DUTY® NEMA®† Premium Efficient

NEMA Premium



IP55 TCE

APPLICATIONS:

For pulp & paper, mill & chemical and any other severe duty environments found in the process industries.

FEATURES:

- Class F Insulation, Class B Rise At Full Load On 60 Hertz Sine Wave Power
- All Cast Iron Construction
- Corrosion Resistant Mill & Chemical Duty Paint
- Stainless Steel Nameplate & Zinc Plated Hardware
- Dual Bearing Seals On Pulley End For IP55 Protection
- Dual Voltage 230/460 Volts (1-100 HP)
- Precision Balance (< 0.08 In/Sec Vibration)
- NEMA®† Design B Performance On 60 Hz Sine Wave Power
- 1.25 Service Factor @ 60 Hz
- Self-Certified Class I, Division 2, Groups A, B, C, & D
- Suitable for 20:1 (3-60hz) Variable Torque On Inverter Power
- Regreasable Open Bearings
- Lifting Provisions, Epoxy Coated Rotor
- Field Convertible To F2 Mounting
- Brass Breather Condensation Drains
- Oversized Conduit Box - 1 Size Larger Than NEMA®† Standard
- Cast Iron Inner Bearing Caps
- Conversion Kits: C&D Flanges, Canopy Kits
- 208v will not be marked on DOE regulated spread-voltage motors. Refer to online data

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
1	1800	230/460	143T	CD1P2E	$553	DS-3CEW	1.25	13.7	60	85.5	3.2-3.2/1.6	105,G
	1800	575	143T	CD1P2G	$553	DS-3CEW	1.15	13.7	55	85.5	1.3	
	1200	230/460	145T	CD1P3E	$705	DS-3CEW	1.25	13.7	80	82.5	3.7-3.7/1.8	105,G
	1200	575	145T	CD1P3G	$705	DS-3CEW	1.15	13.7	80	82.5	1.4	
1 1/2	3600	230/460	143T	CD32P1E	$616	DS-3CEW	1.25	13.7	60	84.0	4.2-3.9/1.9	105,G
	3600	575	143T	CD32P1G	$616	DS-3CEW	1.15	13.7	60	84.0	1.6	
	1800	230/460	145T	CD32P2E	$591	DS-3CEW	1.25	13.7	80	86.5	4.6-4.3/2.2	105,G
	1800	575	145T	CD32P2G	$591	DS-3CEW	1.15	13.7	65	86.5	1.7	
	1200	230/460	182T	CD32P3E	$813	DS-3CEW	1.15	16.4	100	87.5	4.5/2.2	105,G
	1200	575	182T	CD32P3G	$813	DS-3CEW	1.15	16.4	100	87.5	1.8	
2	3600	230/460	145T	CD2P1E	$640	DS-3CEW	1.25	13.7	60	85.5	5.4-5/2.5	105,G
	3600	575	145T	CD2P1G	$640	DS-3CEW	1.15	13.7	60	86.5	2	
	1800	230/460	145T	CD2P2E	$649	DS-3CEW	1.25	13.7	70	86.5	6-5.6/2.8	105,G
	1200	230/460	184T	CD2P3E	$955	DS-3CEW	1.25	16.4	110	88.5	6.4-6.2/3.1	105,G
	1200	575	184T	CD2P3G	$955	DS-3CEW	1.15	16.4	110	88.5	2.5	
3	3600	230/460	182T	CD3P1E	$742	DS-3CEW	1.25	16.4	80	86.5	8.5-8.2/4.1	105,G
	3600	575	182T	CD3P1G	$742	DS-3CEW	1.15	16.4	80	86.5	3.3	
	1800	230/460	182T	CD3P2E	$709	DS-3CEW	1.15	16.4	100	89.5	7.8/3.9	105,G
	1800	575	182T	CD3P2G	$709	DS-3CEW	1.15	16.4	100	89.5	3.1	
	1200	230/460	213T	CD3P3E	$1,264	DS-3CEW	1.25	19.7	180	89.5	9.1-8.6/4.3	105,G
	1200	575	213T	CD3P3G	$1,264	DS-3CEW	1.15	19.7	170	90.2	3.5	
5	3600	230/460	184T	CD5P1E	$881	DS-3CEW	1.15	16.4	100	88.5	12.3/6.1	105,G
	3600	575	184T	CD5P1G	$881	DS-3CEW	1.15	16.4	100	88.5	4.9	
	1800	230/460	184T	CD5P2E	$808	DS-3CEW	1.25	16.4	110	89.5	14-12.7/6.3	105,G
	1800	575	184T	CD5P2G	$808	DS-3CEW	1.15	16.4	110	89.5	5.1	
	1200	230/460	215T	CD5P3E	$1,629	DS-3CEW	1.25	19.7	190	89.5	15.2-14.2/7.1	105,G
	1200	575	215T	CD5P3G	$1,629	DS-3CEW	1.15	19.7	180	89.5	5.7	
7 1/2	3600	230/460	213T	CD7P1E	$1,098	DS-3CEW	1.25	19.7	150	89.5	20.3-18.5/9.2	105,G
	3600	575	213T	CD7P1G	$1,098	DS-3CEW	1.15	19.7	150	89.5	7.4	
	1800	230/460	213T	CD7P2E	$1,055	DS-3CEW	1.25	19.7	180	91.7	20.7-19.1/9.6	105,G
	1800	575	213T	CD7P2G	$1,055	DS-3CEW	1.15	19.7	170	91.7	7.8	
	1200	230/460	254T	CD7P3E	$1,854	DS-3CEW	1.25	25.1	250	91.0	18.8/9.4	105,G
	1200	575	254T	CD7P3G	$1,854	DS-3CEW	1.15	25.1	250	91.0	7.6	
10	3600	230/460	215T	CD10P1E	$1,444	DS-3CEW	1.25	19.7	170	90.2	26.4-23.6/11.8	105,G
	3600	575	215T	CD10P1G	$1,444	DS-3CEW	1.15	19.7	140	90.2	9.4	
	1800	230/460	215T	CD10P2E	$1,314	DS-3CEW	1.25	19.7	190	91.7	27.5-25.7/12.8	105,G
	1800	575	215T	CD10P2G	$1,314	DS-3CEW	1.15	19.7	180	91.7	10.3	
	1200	230/460	256T	CD10P3E	$2,246	DS-3CEW	1.15	25.1	280	91.0	24.9/12.4	105,G
	1200	575	256T	CD10P3G	$2,246	DS-3CEW	1.15	25.1	280	91.0	10	
15	3600	230/460	254T	CD15P1E	$1,804	DS-3CEW	1.25	25.1	240	91.0	35.0/17.5	105,G
	3600	575	254T	CD15P1G	$1,804	DS-3CEW	1.15	25.1	270	91.0	13.9	
	1800	230/460	254T	CD15P2E	$1,757	DS-3CEW	1.15	25.1	270	92.4	36/18	105,G
	1800	575	254T	CD15P2G	$1,757	DS-3CEW	1.15	25.1	289	92.4	14.5	02
	1200	230/460	284T	CD15P3E	$2,984	DS-3CEW	1.25	27.7	365	91.7	41-37/18.5	105,G
	1200	575	284T	CD15P3G	$2,984	DS-3CEW	1.15	27.7	340	91.7	14.7	

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(continued)

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
20	3600	230/460	256T	CD20P1E	$2,236	DS-3CEW	1.25	25.1	295	91.0	46.0/22.9	105,G
	3600	575	256T	CD20P1G	$2,236	DS-3CEW	1.15	25.1	280	91.0	18.4	
	1800	230/460	256T	CD20P2E	$2,186	DS-3CEW	1.25	25.1	325	93.0	47.0/23.7	105,G
	1800	575	256T	CD20P2G	$2,186	DS-3CEW	1.15	25.1	300	93.0	18.9	02
	1200	230/460	286T	CD20P3E	$3,537	DS-3CEW	1.25	27.7	395	91.7	54-49/24.5	105,G
	1200	575	286T	CD20P3G	$3,537	DS-3CEW	1.15	27.7	370	91.7	19.6	
25	3600	230/460	284TS	CD25P1ES	$2,542	DS-3CEW	1.25	26.3	355	91.7	58/28.8	105,G
	3600	460	284TS	CD25P1FS	$2,542	DS-3CEW	1.25	26.3	355	91.7	28.8	G
	3600	575	284TS	CD25P1GS	$2,542	DS-3CEW	1.15	26.3	330	91.7	23	
	1800	230/460	284T	CD25P2E	$2,459	DS-3CEW	1.25	27.7	385	93.6	64-58/29.2	105,G
	1800	460	284T	CD25P2F	$2,459	DS-3CEW	1.25	27.7	385	93.6	29.2	G
	1800	575	284T	CD25P2G	$2,459	DS-3CEW	1.15	27.7	360	93.6	23.3	02
	1200	230/460	324T	CD25P3E	$4,418	DS-3CEW	1.25	30.1	585	93.0	66-59/29.3	105,G
	1200	460	324T	CD25P3F	$4,418	DS-3CEW	1.25	30.3	585	93.0	29.3	G
	1200	575	324T	CD25P3G	$4,418	DS-3CEW	1.15	30.3	540	93.0	23.4	
30	3600	230/460	286TS	CD30P1ES	$3,050	DS-3CEW	1.25	26.3	375	91.7	78-68/34	105,G
	3600	460	286TS	CD30P1FS	$3,050	DS-3CEW	1.25	26.3	375	91.7	34	G
	3600	575	286TS	CD30P1GS	$3,050	DS-3CEW	1.15	26.3	330	91.7	27.7	
	1800	230/460	286T	CD30P2E	$2,920	DS-3CEW	1.25	27.7	395	93.6	77-70/35	105,G
	1800	460	286T	CD30P2F	$2,920	DS-3CEW	1.25	27.7	395	93.6	35	G
	1800	575	286T	CD30P2G	$2,920	DS-3CEW	1.15	27.7	370	93.6	28.1	02
	1200	230/460	326T	CD30P3E	$5,025	DS-3CEW	1.15	30.1	565	93.0	70/35	105,G
	1200	460	326T	CD30P3F	$5,025	DS-3CEW	1.15	30.3	560	93.0	35	G
	1200	575	326T	CD30P3G	$5,025	DS-3CEW	1.15	30.3	560	93.0	28	
40	3600	230/460	324TS	CD40P1ES	$3,595	DS-3CEW	1.25	28.8	525	92.4	103-91/45	105,G
	3600	460	324TS	CD40P1FS	$3,595	DS-3CEW	1.25	28.8	525	92.4	46	G
	3600	575	324TS	CD40P1GS	$3,595	DS-3CEW	1.15	28.8	460	92.4	37	
	1800	230/460	324T	CD40P2E	$3,486	DS-3CEW	1.25	30.3	565	94.1	102-93/46	105,G
	1800	460	324T	CD40P2F	$3,486	DS-3CEW	1.25	30.3	565	94.1	46	G
	1800	575	324T	CD40P2G	$3,486	DS-3CEW	1.15	30.3	490	94.1	37	02
	1200	230/460	364T	CD40P3E	$5,568	DS-3CEW	1.25	32.4	735	94.1	103-94/47	105,G
	1200	460	364T	CD40P3F	$5,568	DS-3CEW	1.25	32.4	735	94.1	47	G
	1200	575	364T	CD40P3G	$5,568	DS-3CEW	1.15	32.4	690	94.1	37	02
50	3600	230/460	326TS	CD50P1ES	$4,817	DS-3CEW	1.25	28.8	585	93.0	127-112/56	105,G
	3600	460	326TS	CD50P1FS	$4,817	DS-3CEW	1.25	28.8	520	93.0	56	G
	3600	575	326TS	CD50P1GS	$4,817	DS-3CEW	1.15	28.8	520	93.0	45	
	1800	230/460	326T	CD50P2E	$4,327	DS-3CEW	1.25	30.3	635	94.5	128-115/58	105,G
	1800	460	326T	CD50P2F	$4,327	DS-3CEW	1.25	30.3	635	94.5	56	G
	1800	575	326T	CD50P2G	$4,327	DS-3CEW	1.15	30.3	600	94.5	45	02
	1200	230/460	365T	CD50P3E	$6,925	DS-3CEW	1.25	32.4	730	94.1	130-117/59	105,G
	1200	460	365T	CD50P3F	$6,925	DS-3CEW	1.15	32.4	730	94.1	59	G
	1200	575	365T	CD50P3G	$6,925	DS-3CEW	1.15	32.4	730	94.1	47	02
60	3600	460	364TS	CD60P1FS	$6,194	DS-3CEW	1.25	30.3	665	93.6	69	G
	3600	575	364TS	CD60P1GS	$6,194	DS-3CEW	1.15	30.3	620	93.6	55	02
	1800	230/460	364T	CD60P2E	$6,044	DS-3CEW	1.25	32.4	745	95.0	152-137/68	105,G
	1800	460	364T	CD60P2F	$6,044	DS-3CEW	1.25	32.4	745	95.0	68	G
	1800	575	364T	CD60P2G	$6,044	DS-3CEW	1.15	32.4	700	95.0	55	02
	1200	460	404T	CD60P3F	$8,147	DS-3CEW	1.25	37.8	1020	94.5	71	G
	1200	575	404T	CD60P3G	$8,147	DS-3CEW	1.15	37.8	1020	94.5	57	02
75	3600	460	365TS	CD75P1FS	$7,976	DS-3CEW	1.25	30.3	755	93.6	83	G
	3600	575	365TS	CD75P1GS	$7,976	DS-3CEW	1.15	30.3	710	94.1	66	02
	1800	230/460	365T	CD75P2E	$7,392	DS-3CEW	1.15	32.4	750	95.4	170/85	105,G
	1800	460	365T	CD75P2F	$7,392	DS-3CEW	1.25	32.4	825	95.4	85	G
	1800	575	365T	CD75P2G	$7,392	DS-3CEW	1.15	32.4	750	95.4	68	02
	1200	460	405T	CD75P3F	$9,692	DS-3CEW	1.25	37.8	1040	94.5	89	G
	1200	460	405T	CD75P3FB	$9,692	DS-3CEW	1.25	37.8	1040	94.5	89	09,G
	1200	575	405T	CD75P3G	$9,692	DS-3CEW	1.15	37.8	1040	94.5	71	02

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IP55 TCE

(continued)

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes
100	3600	460	405TS	CD100P1FS	$10,692	DS-3CEW	1.25	34.8	940	94.1	114	G
	3600	575	405TS	CD100P1GS	$10,692	DS-3CEW	1.15	34.8	970	94.1	92	02
	1800	460	405T	CD100P2F	$9,692	DS-3CEW	1.25	37.8	1060	95.4	115	G
	1800	460	405T	CD100P2FB	$9,692	DS-3CEW	1.15	37.8	1060	95.4	115	09,G
	1800	460	405TS	CD100P2FS	$9,692	DS-3CEW	1.15	34.8	1060	95.4	115	G
	1800	575	405T	CD100P2G	$9,692	DS-3CEW	1.15	37.8	1060	95.4	91	02
	1200	460	444T	CD100P3F	$12,657	DS-3CEW	1.15	44.5	1570	95.4	120	G
	1200	575	444T	CD100P3G	$12,657	DS-3CEW	1.15	44.5	1570	95.0	95	02
125	3600	460	444TS	CD125P1FS	$13,023	DS-3CEW	1.15	40.8	1470	95.0	142	G
	3600	575	444TS	CD125P1GS	$13,023	DS-3CEW	1.15	40.8	1430	95.0	113	02
	1800	460	444T	CD125P2F	$12,231	DS-3CEW	1.15	44.5	1390	95.8	141	G
	1800	460	444TS	CD125P2FS	$12,231	DS-3CEW	1.15	40.8	1390	95.8	141	G
	1800	575	444T	CD125P2G	$12,231	DS-3CEW	1.15	44.5	1390	95.4	114	02
	1200	460	445T	CD125P3F	$15,719	DS-3CEW	1.15	44.5	1620	95.8	153	G
	1200	575	445T	CD125P3G	$15,719	DS-3CEW	1.15	44.5	1620	95.0	125	02
150	3600	460	445TS	CD150P1FS	$16,509	DS-3CEW	1.15	40.8	1530	95.0	167	G
	3600	575	445TS	CD150P1GS	$16,509	DS-3CEW	1.15	40.8	1530	95.0	133	02
	1800	460	445T	CD150P2F	$14,730	DS-3CEW	1.15	44.5	1610	95.8	171	G
	1800	460	445T	CD150P2FB	$14,730	DS-3CEW	1.15	44.5	1610	95.8	171	09,G
	1800	460	445TS	CD150P2FS	$14,730	DS-3CEW	1.15	40.8	1610	95.8	171	G
	1800	575	445T	CD150P2G	$14,730	DS-3CEW	1.15	44.5	1610	95.8	136	02
	1200	460	447T	CD150P3F	$17,976	DS-3CEW	1.15	48.0	1890	95.8	179	G
	1200	575	447T	CD150P3G	$17,976	DS-3CEW	1.15	48.0	1890	95.8	143	02
200	3600	460	447TS	CD200P1FS	$22,562	DS-3CEW	1.15	44.3	1750	95.4	221	G
	3600	575	447TS	CD200P1GS	$22,562	DS-3CEW	1.15	44.3	1790	95.4	177	02
	1800	460	447T	CD200P2F	$19,077	DS-3CEW	1.15	48.0	1860	96.2	225	G
	1800	460	447T	CD200P2FB	$19,077	DS-3CEW	1.15	48.0	1860	96.2	225	09,G
	1800	460	447TS	CD200P2FS	$19,077	DS-3CEW	1.15	44.3	1860	96.2	225	G
	1800	575	447T	CD200P2G	$19,077	DS-3CEW	1.15	48.0	1860	95.8	181	02
	1200	460	449T	CD200P3F	$23,753	DS-3CEW	1.15	53.0	2210	95.8	239	G
	1200	575	449T	CD200P3G	$23,753	DS-3CEW	1.15	53.0	2210	95.8	192	02
250	3600	460	449TS	CD250P1FS	$27,617	DS-3CEW	1.15	49.3	2070	95.8	274	G
	1800	460	449T	CD250P2F	$24,532	DS-3CEW	1.15	53.0	2410	96.2	279	G
	1800	460	449T	CD250P2FB	$24,532	DS-3CEW	1.15	53.0	2180	96.2	279	09,G
	1800	575	449T	CD250P2G	$24,532	DS-3CEW	1.15	53.0	2180	96.2	224	02
	1200	460	449T	C250P3C	$36,281	DS-3CE	1.15	55.1	2800	95.8	280	AP,NWM
	1200	575	449T	C250P3G	$36,281	DS-3CE	1.15	55.1	2400	95.8	225	AP,NWM
300	3600	460	449TS	CD300P1FS	$33,017	DS-3CEW	1.15	49.3	2230	95.8	332	G
	3600	460	449TS	C300P1CS	$33,822	DS-3CE	1.15	51.4	2750	95.8	327	12,AP,NWM
	3600	575	449TS	CD300P1GS	$33,017	DS-3CEW	1.15	49.3	2230	95.8	266	02
	1800	460	449T	CD300P2F	$28,342	DS-3CEW	1.15	53.0	2370	96.2	333	G
	1800	460	449T	CD300P2FB	$28,342	DS-3CEW	1.15	53.0	2370	96.2	320	09,G
	1800	575	449T	CD300P2G	$28,342	DS-3CEW	1.15	53.0	2370	96.2	268	02
	1200	460	449T	C300P3C	$39,704	DS-3CE	1.15	55.1	3055	95.8	334	AP,NWM
	1200	575	449T	C300P3G	$39,704	DS-3CE	1.15	55.1	2400	95.8	269	AP,NWM
350	3600	460	449TS	C350P1CS	$40,405	DS-3CE	1.15	51.4	2800	95.8	374	AP,NWM
	3600	575	449TS	C350P1GS	$40,405	DS-3CE	1.15	51.4	2800	95.8	299	12,AP,NWM
	1800	460	449T	CD350P2F	$30,899	DS-3CEW	1.15	53.0	2370	96.2	400	02
	1800	460	449T	CD350P2FB	$30,899	DS-3CEW	1.15	53.0	2370	96.2	400	09,G
	1800	575	449T	CD350P2G	$30,899	DS-3CEW	1.15	53.0	2370	96.2	318	02
400	3600	460	449TS	C400P1CS	$50,419	DS-3CE	1.15	51.4	2400	95.8	426	AP,NWM
	1800	460	449T	C400P2C	$43,843	DS-3CE	1.15	55.1	2400	96.2	434	AP,NWM

Note 02 Suitable for Wye-Delta start on voltages shown
Note 09 Cylindrical Roller Bearing
Note 12 Unidirectional Fan - CCW direction facing opposite drive end (FODE)
Note 105 208 Volt Suitable
Note AP No F2 convertibility
Note G 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 200/400 volt 50 Hz, 460V 60 Hz ratings operate on 400V 50 Hz; Full 60 & 50 Hz data on Nameplate
Note NWM Non-World Motor Construction