

General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) World Motor 841 Plus® NEMA® Premium Efficient

APPLICATIONS:

For constant speed and inverter duty applications in petro-chemical, pulp & paper, automotive, mining and waste treatment industries.

FEATURES:

- Inverter Grade® Insulation System (Meets NEMA® MG-1 Part 31)
- Class F Insulation, Class B Rise At Full Load (Sine Wave Power)
- All Cast Iron Construction
- Corrosion Resistant Mill & Chem Duty Paint (500 Hour Salt Spray Test)
- Stainless Steel Nameplate (with CE Mark) & Zinc Plated Hardware
- 40°C Ambient, NEMA® Design B Performance (Sine Wave Power)
- VBXX® Bearing Isolators By Inpro/Seal On Both Ends For IP55 Bearing Protection
- Same Size Regreasable Open Bearings, Brass Breathers/Drains
- 5 Year Warranty (3 Years on Inverter Power)
- External Grounding Provision, Epoxy Coated Rotor
- 20:1 (3-60hz) Variable Torque; 5:1 (12-60hz) Constant Torque On Inverter Power
- Precision Balance (< 0.05 In/Sec Vibration)
- 1.15 SF On Sine Wave / 1.0 SF On Inverter Power
- Meets or Exceeds IEEE 841 Standard 2009
- Conversion Kits: C&D Flange, Drip Cover Kit, Shaft Grounding Ring (Non-hazardous Locations only)
- Self-Certified Class I, Division 2, Groups A, B, C, & D

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	460	143T	8D1P2C	\$663	DS-841W	1.15	13.7	70	85.5	1.5	
	1800	575	143T	8D1P2G	\$663	DS-841W	1.15	13.7	70	86.5	1.2	
	1200	460	145T	8D1P3C	\$846	DS-841W	1.15	13.7	80	82.5	1.8	
	1200	575	145T	8D1P3G	\$846	DS-841W	1.15	13.7	80	82.5	1.4	
1 1/2	3600	460	143T	8D32P1C	\$739	DS-841W	1.15	13.7	65	84.0	1.9	
	3600	575	143T	8D32P1G	\$739	DS-841W	1.15	13.7	65	84.0	1.6	
	1800	460	145T	8D32P2C	\$709	DS-841W	1.15	13.7	80	86.5	2.1	
	1800	575	145T	8D32P2G	\$709	DS-841W	1.15	13.7	80	87.5	1.6	
	1200	460	182T	8D32P3C	\$935	DS-841W	1.15	16.4	100	87.5	2.2	
	1200	575	182T	8D32P3G	\$935	DS-841W	1.15	16.4	100	87.5	1.8	
2	3600	460	145T	8D2P1C	\$767	DS-841W	1.15	13.7	70	85.5	2.5	
	3600	575	145T	8D2P1G	\$767	DS-841W	1.15	13.7	70	86.5	2	
	1800	460	145T	8D2P2C	\$779	DS-841W	1.15	13.7	80	86.5	2.7	
	1800	575	145T	8D2P2G	\$779	DS-841W	1.15	13.7	80	87.5	2.1	
	1200	460	184T	8D2P3C	\$1,098	DS-841W	1.15	16.4	110	88.5	3.1	
	1200	575	184T	8D2P3G	\$1,098	DS-841W	1.15	16.4	110	88.5	2.5	
3	3600	460	182T	8D3P1C	\$854	DS-841W	1.15	16.4	80	86.5	4.1	
	3600	575	182T	8D3P1G	\$854	DS-841W	1.15	16.4	80	86.5	3.3	
	1800	460	182T	8D3P2C	\$815	DS-841W	1.15	16.4	100	89.5	3.9	
	1800	575	182T	8D3P2G	\$815	DS-841W	1.15	16.4	100	89.5	3.1	
	1200	460	213T	8D3P3C	\$1,453	DS-841W	1.15	19.7	170	89.5	4.3	
	1200	575	213T	8D3P3G	\$1,453	DS-841W	1.15	19.7	170	89.5	3.5	
5	3600	460	184T	8D5P1C	\$1,013	DS-841W	1.15	16.4	100	88.5	6.1	
	3600	575	184T	8D5P1G	\$1,013	DS-841W	1.15	16.4	100	88.5	4.9	
	1800	460	184T	8D5P2C	\$929	DS-841W	1.15	16.4	110	89.5	6.3	
	1800	575	184T	8D5P2G	\$929	DS-841W	1.15	16.4	110	89.5	5.1	
	1200	460	215T	8D5P3C	\$1,874	DS-841W	1.15	19.7	180	89.5	7.1	
	1200	575	215T	8D5P3G	\$1,874	DS-841W	1.15	19.7	180	89.5	5.7	
7 1/2	3600	460	213T	8D7P1C	\$1,263	DS-841W	1.15	19.7	140	89.5	9	
	3600	575	213T	8D7P1G	\$1,263	DS-841W	1.15	19.7	140	89.5	7.2	
	1800	460	213T	8D7P2C	\$1,213	DS-841W	1.15	19.7	170	91.7	9.6	
	1800	575	213T	8D7P2G	\$1,213	DS-841W	1.15	19.7	170	91.7	7.8	
	1200	460	254T	8D7P3C	\$2,039	DS-841W	1.15	25.1	250	91.0	9.4	
	1200	575	254T	8D7P3G	\$2,039	DS-841W	1.15	25.1	250	91.0	7.6	

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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
10	3600	460	215T	8D10P1C	\$1,473	DS-841W	1.15	19.7	160	90.2	11.8	
	3600	575	215T	8D10P1G	\$1,473	DS-841W	1.15	19.7	160	90.2	9.4	
	1800	460	215T	8D10P2C	\$1,511	DS-841W	1.15	19.7	180	91.7	12.8	
	1800	575	215T	8D10P2G	\$1,511	DS-841W	1.15	19.7	180	91.7	10.3	
	1200	460	256T	8D10P3C	\$2,470	DS-841W	1.15	25.0	280	91.0	12.4	
	1200	575	256T	8D10P3G	\$2,470	DS-841W	1.15	25.0	280	91.0	10	
15	3600	460	254T	8D15P1C	\$1,984	DS-841W	1.15	25.1	270	91.0	17.4	
	3600	575	254T	8D15P1G	\$1,984	DS-841W	1.15	25.1	270	91.0	13.9	
	1800	460	254T	8D15P2C	\$1,932	DS-841W	1.15	25.1	270	92.4	18	
	1800	575	254T	8D15P2G	\$1,932	DS-841W	1.15	25.1	270	92.4	14.5	
	1200	460	284T	8D15P3C	\$3,283	DS-841W	1.15	27.7	340	91.7	18.5	
	1200	575	284T	8D15P3G	\$3,283	DS-841W	1.15	27.7	340	91.7	14.7	
20	3600	460	256T	8D20P1C	\$2,459	DS-841W	1.15	25.1	280	91.0	23	
	3600	575	256T	8D20P1G	\$2,459	DS-841W	1.15	25.1	280	91.0	18.4	
	1800	460	256T	8D20P2C	\$2,405	DS-841W	1.15	25.1	300	93.0	23.7	
	1800	575	256T	8D20P2G	\$2,405	DS-841W	1.15	25.1	300	93.0	18.9	
	1200	460	286T	8D20P3C	\$3,891	DS-841W	1.15	27.7	370	91.7	24.4	
	1200	575	286T	8D20P3G	\$3,891	DS-841W	1.15	27.7	370	91.7	19.6	
25	3600	460	284TS	8D25P1CS	\$2,796	DS-841W	1.15	26.3	330	91.7	28.8	
	3600	575	284TS	8D25P1GS	\$2,796	DS-841W	1.15	26.3	330	91.7	23	
	1800	460	284T	8D25P2C	\$2,705	DS-841W	1.15	27.7	360	93.6	29.2	
	1800	575	284T	8D25P2G	\$2,705	DS-841W	1.15	27.7	360	93.6	23.3	
	1200	460	324T	8D25P3C	\$4,597	DS-841W	1.15	30.3	540	93.0	29.3	
	1200	575	324T	8D25P3G	\$4,597	DS-841W	1.15	30.3	540	93.0	23.4	
30	3600	460	286TS	8D30P1CS	\$3,355	DS-841W	1.15	26.0	330	91.7	35	
	3600	575	286TS	8D30P1GS	\$3,355	DS-841W	1.15	26.0	330	91.7	27.7	
	1800	460	286T	8D30P2C	\$3,212	DS-841W	1.15	28.0	370	93.6	35	
	1800	575	286T	8D30P2G	\$3,212	DS-841W	1.15	28.0	370	93.6	28.1	
	1200	460	326T	8D30P3C	\$5,139	DS-841W	1.15	30.3	560	93.0	35	
	1200	575	326T	8D30P3G	\$5,139	DS-841W	1.15	30.3	560	93.0	28	
40	3600	460	324TS	8D40P1CS	\$4,815	DS-841W	1.15	28.8	460	92.4	46	
	3600	575	324TS	8D40P1GS	\$4,815	DS-841W	1.15	28.8	460	92.4	37	
	1800	460	324T	8D40P2C	\$4,009	DS-841W	1.15	30.3	490	94.1	46	
	1800	575	324T	8D40P2G	\$4,009	DS-841W	1.15	30.3	490	94.1	37	
	1200	460	364T	8D40P3C	\$6,403	DS-841W	1.15	32.4	690	94.1	47	
	1200	575	364T	8D40P3G	\$6,403	DS-841W	1.15	32.4	690	94.1	37	
50	3600	460	326TS	8D50P1CS	\$5,540	DS-841W	1.15	28.8	520	93.0	56	
	3600	575	326TS	8D50P1GS	\$5,540	DS-841W	1.15	28.8	520	93.0	45	
	1800	460	326T	8D50P2C	\$4,976	DS-841W	1.15	30.3	600	94.5	56	
	1800	575	326T	8D50P2G	\$4,976	DS-841W	1.15	30.3	600	94.5	45	
	1200	460	365T	8D50P3C	\$7,964	DS-841W	1.15	32.4	730	94.1	59	
	1200	575	365T	8D50P3G	\$7,964	DS-841W	1.15	32.4	730	94.1	47	
60	3600	460	364TS	8D60P1CS	\$7,123	DS-841W	1.15	30.3	620	93.6	69	
	3600	575	364TS	8D60P1GS	\$7,123	DS-841W	1.15	30.3	620	93.6	55	
	1800	460	364T	8D60P2C	\$6,876	DS-841W	1.15	32.4	700	95.0	68	
	1800	575	364T	8D60P2G	\$6,876	DS-841W	1.15	32.4	700	95.0	55	
	1200	460	404T	8D60P3C	\$9,369	DS-841W	1.15	37.8	1020	94.5	71	
	1200	575	404T	8D60P3G	\$9,369	DS-841W	1.15	37.8	1020	94.5	57	

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75	3600	460	365TS	8D75P1CS	\$9,172	DS-841W	1.15	30.3	710	94.1	83	
	3600	575	365TS	8D75P1GS	\$9,172	DS-841W	1.15	30.3	710	93.6	66	
	1800	460	365T	8D75P2C	\$8,501	DS-841W	1.15	32.4	750	95.4	85	
	1800	575	365T	8D75P2G	\$8,501	DS-841W	1.15	32.4	750	95.4	68	
	1200	460	405T	8D75P3C	\$11,146	DS-841W	1.15	37.8	1040	94.5	89	
	1200	460	405T	8D75P3CB	\$11,146	DS-841W	1.15	37.8	1040	94.5	89	09
	1200	575	405T	8D75P3G	\$11,146	DS-841W	1.15	37.8	1040	94.5	71	
	1200	575	405T	8D75P3GB	\$11,146	DS-841W	1.15	37.8	1040	94.5	71	09
100	3600	460	405TS	8D100P1CS	\$12,296	DS-841W	1.15	34.8	970	94.1	114	
	3600	575	405TS	8D100P1GS	\$12,296	DS-841W	1.15	34.8	970	94.1	91	
	1800	460	405T	8D100P2C	\$11,146	DS-841W	1.15	37.8	1060	95.4	115	
	1800	460	405T	8D100P2CB	\$11,146	DS-841W	1.15	37.8	1060	95.4	115	09
	1800	460	405TS	8D100P2CS	\$11,146	DS-841W	1.15	34.8	1060	95.4	115	
	1800	575	405T	8D100P2G	\$11,146	DS-841W	1.15	37.8	1060	95.4	91	
	1800	575	405T	8D100P2GB	\$11,146	DS-841W	1.15	37.8	1060	95.4	91	09
	1800	575	405TS	8D100P2GS	\$11,146	DS-841W	1.15	34.8	1060	95.4	91	
	1200	460	444T	8D100P3C	\$13,923	DS-841W	1.15	44.5	1570	95.0	120	11
	1200	460	444T	8D100P3CB	\$13,923	DS-841W	1.15	44.5	1570	95.0	120	09
	1200	575	444T	8D100P3G	\$13,923	DS-841W	1.15	44.5	1570	95.0	95	11
125	3600	460	444TS	8D125P1CS	\$14,325	DS-841W	1.15	40.8	1430	95.0	142	
	3600	575	444TS	8D125P1GS	\$14,325	DS-841W	1.15	40.8	1430	95.0	113	
	1800	460	444T	8D125P2C	\$13,454	DS-841W	1.15	44.5	1390	95.4	141	11
	1800	460	444T	8D125P2CB	\$13,454	DS-841W	1.15	44.5	1390	95.4	141	09
	1800	460	444TS	8D125P2CS	\$13,454	DS-841W	1.15	40.8	1390	95.4	141	
	1800	575	444T	8D125P2G	\$13,454	DS-841W	1.15	44.5	1390	95.4	114	11
	1800	575	444T	8D125P2GB	\$13,454	DS-841W	1.15	44.5	1390	95.4	114	09
	1800	575	444TS	8D125P2GS	\$13,454	DS-841W	1.15	40.8	1390	95.4	114	
	1200	460	445T	8D125P3C	\$17,291	DS-841W	1.15	44.5	1620	95.0	153	11
	1200	460	445T	8D125P3CB	\$17,291	DS-841W	1.15	44.5	1620	95.0	153	09
	1200	575	445T	8D125P3G	\$17,291	DS-841W	1.15	44.5	1620	95.0	125	11
	1200	575	445T	8D125P3GB	\$17,291	DS-841W	1.15	44.5	1620	95.0	125	09
	150	3600	460	445TS	8D150P1CS	\$18,160	DS-841W	1.15	40.8	1530	95.0	167
3600		575	445TS	8D150P1GS	\$18,160	DS-841W	1.15	40.8	1530	95.0	133	
1800		460	445T	8D150P2C	\$16,203	DS-841W	1.15	44.5	1610	95.8	171	11
1800		460	445T	8D150P2CB	\$16,203	DS-841W	1.15	44.5	1610	95.8	171	09
1800		460	445TS	8D150P2CS	\$16,203	DS-841W	1.15	40.8	1610	95.8	171	
1800		575	445T	8D150P2G	\$16,203	DS-841W	1.15	44.5	1610	95.8	137	11
1800		575	445T	8D150P2GB	\$16,203	DS-841W	1.15	44.5	1610	95.8	137	09
1200		460	447T	8D150P3C	\$19,774	DS-841W	1.15	48.0	2200	95.8	179	
1200		460	447T	8D150P3CB	\$19,774	DS-841W	1.15	48.0	2200	95.8	179	09
200	3600	460	447TS	8D200P1CS	\$24,818	DS-841W	1.15	44.3	2200	95.4	222	
	3600	575	447TS	8D200P1GS	\$24,818	DS-841W	1.15	44.3	2200	95.4	178	
	1800	460	447T	8D200P2C	\$20,985	DS-841W	1.15	48.0	2200	96.2	226	
	1800	460	447T	8D200P2CB	\$20,985	DS-841W	1.15	48.0	2200	96.2	226	09
	1800	460	447TS	8D200P2CS	\$20,985	DS-841W	1.15	48.0	2200	96.2	226	
	1800	575	447T	8D200P2G	\$20,985	DS-841W	1.15	48.0	2200	96.2	181	
	1800	575	447T	8D200P2GB	\$20,985	DS-841W	1.15	48.0	2200	96.2	181	09
	1200	460	449T	8D200P3C	\$26,128	DS-841W	1.15	53.0	2500	95.8	224	

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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
250	3600	460	449TS	8D250P1CS	\$30,379	DS-841W	1.15	49.3	2500	95.4	273	
	1800	460	449T	8D250P2C	\$26,985	DS-841W	1.15	53.0	2500	96.2	273	
	1800	460	449T	8D250P2CB	\$26,985	DS-841W	1.15	53.0	2500	96.2	273	09
300	3600	460	449TS	8D300P1CS	\$36,319	DS-841W	1.15	49.3	2500	95.4	327	
	1800	460	449T	8D300P2C	\$31,176	DS-841W	1.15	53.0	2500	96.2	326	
	1800	460	449T	8D300P2CB	\$26,985	DS-841W	1.15	53.0	2500	96.2	326	09
350	3600	460	449TS	8P350P1CS	\$53,107	DS-841	1.15	51.4	2800	95.8	374	AP,NWM
	1800	460	449T	8P350P2C	\$49,229	DS-841	1.15	55.1	2950	96.2	381	AP,NWM
	1800	460	449T	8P350P2CB	\$50,779	DS-841	1.15	55.1	2950	96.2	381	09,AP,NWM
400	3600	460	449TS	8P400P1CS	\$59,265	DS-841	1.15	51.4	2900	95.8	426	AP,NWM
	1800	460	449T	8P400P2C	\$54,834	DS-841	1.15	55.1	3025	96.2	434	09,AP,NWM

Note 09 Cylindrical Roller Bearing

Note 11 6318/6313 Bearing System

Note AP No F2 convertibility

Note NWM Non-World Motor Construction