

## 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 & 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, Stainless Steel 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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(continued)

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs)	Full Load Eff.	Full Load Amps	Notes	
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	460	365T	8D75P2CB	\$9,416	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	1890	95.8	179		
	1200	460	447T	8D150P3CB	\$19,774	DS-841W	1.15	48.0	1890	95.8	179	09	
200	3600	460	447TS	8D200P1CS	\$24,818	DS-841W	1.15	44.3	1730	95.4	222		
	3600	575	447TS	8D200P1GS	\$24,818	DS-841W	1.15	44.3	1760	95.4	178		
	1800	460	447T	8D200P2C	\$20,985	DS-841W	1.15	48.0	1840	96.2	226		
	1800	460	447T	8D200P2CB	\$20,985	DS-841W	1.15	48.0	1840	96.2	226	09	
	1800	460	447TS	8D200P2CS	\$20,985	DS-841W	1.15	48.0	1840	96.2	226		
	1800	575	447T	8D200P2G	\$20,985	DS-841W	1.15	48.0	1840	96.2	181		
	1800	575	447T	8D200P2GB	\$20,985	DS-841W	1.15	48.0	1840	96.2	181	09	
	1200	460	449T	8D200P3C	\$26,128	DS-841W	1.15	53.0	2130	95.8	239		
	1200	460	449T	8D200P3CB	\$26,128	DS-841W	1.15	53.0	2130	95.8	239	09	

Note 09 Cylindrical Roller Bearing  
Note 11 6318/6313 Bearing System

GENERAL PURPOSE UNIMOUNT®  
GENERAL PURPOSE C-FACE  
GENERAL PURPOSE HOSTILE DUTY  
GENERAL PURPOSE CORRO-DUTY  
GENERAL PURPOSE 841 PLUS®  
GENERAL PURPOSE OPEN DRIPROOF  
GENERAL PURPOSE HAZARDOUS LOCATION  
GENERAL PURPOSE AUTOMOTIVE DUTY  
COOLING TOWER DUTY  
HAZARDOUS LOCATION  
C-FACE MOTORS  
VARIABLE SPEED MOTORS AND DRIVES

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

(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	8P300P1CS	\$45,057	DS-841	1.15	51.4	2700	95.8	329	
	1800	460	449T	8D300P2C	\$31,176	DS-841W	1.15	53.0	2500	96.2	326	
	1800	460	449T	8D300P2CB	\$31,176	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
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 AP No F2 convertibility  
 Note NWM Non-World Motor Construction