

General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) 841 PLUS® NEMA® Premium Efficient – IE3

NEMA
Premium


CE

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 (Steel Mounting Base On 140 Frame)
- Corrosion Resistant Mill & Chem Duty Paint (250 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 Protection
- Internal Bearing Caps 180 Frame & Up
- Same Size Regreasable Open Bearings, Brass Breathers/Drains
- CARB® Bearing on 400 Frame & Up
- 5 Year Warranty (2 Years on Inverter Power)
- External Grounding Provision, Epoxy Coated Rotor
- 10:1 Variable Torque; 5:1 Constant Torque On Inverter Power
- Precision Balance (< 0.05 In/Sec Vibration)
- 1.15 SF On Sine Wave / 1.0 SF On Inverter Power
- Conversion Kits: C&D Flange, Drip Cover Kit, Shaft Grounding Ring (Non-hazardous Locations only)

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	8P1P2C	\$788	DS-841	1.15	13.1	65	85.5	1.5	
	1800	575	143T	8P1P2G	\$788	DS-841	1.15	13.1	68	86.5	1.1	
	1200	460	145T	8P1P3C	\$1,071	DS-841	1.15	13.1	108	81.5	1.8	
	1200	575	145T	8P1P3G	\$1,071	DS-841	1.15	13.1	73	82.5	1.5	
1 1/2	3600	460	143T	8P32P1C	\$878	DS-841	1.15	13.1	68	84.0	1.9	10
	3600	575	143T	8P32P1G	\$878	DS-841	1.15	13.1	68	84.0	1.6	10
	1800	460	145T	8P32P2C	\$844	DS-841	1.25	13.5	70	86.5	2.1	
	1800	575	145T	8P32P2G	\$844	DS-841	1.15	13.1	73	86.5	1.7	
	1200	460	182T	8P32P3C	\$1,148	DS-841	1.15	16.1	96	87.5	2.3	
2	3600	460	145T	8P2P1C	\$1,026	DS-841	1.15	13.5	73	86.5	2.4	
	3600	575	145T	8P2P1G	\$1,026	DS-841	1.15	13.1	73	86.5	2	
	1800	460	145T	8P2P2C	\$910	DS-841	1.15	13.1	70	86.5	2.8	
	1800	575	145T	8P2P2G	\$910	DS-841	1.15	13.1	133	86.5	2.3	
	1200	460	184T	8P2P3C	\$1,257	DS-841	1.15	16.2	109	88.5	3.1	
	1200	575	184T	8P2P3G	\$1,257	DS-841	1.15	16.1	109	88.5	2.5	
3	3600	460	182T	8P3P1C	\$1,099	DS-841	1.15	16.1	96	87.5	3.9	
	3600	575	182T	8P3P1G	\$1,099	DS-841	1.15	16.1	96	88.5	3.1	
	1800	460	182T	8P3P2C	\$971	DS-841	1.15	16.1	96	89.5	3.9	
	1800	575	182T	8P3P2G	\$971	DS-841	1.15	16.1	96	89.5	3.2	
	1200	460	213T	8P3P3C	\$1,483	DS-841	1.15	20.0	171	89.5	4.4	
	1200	575	213T	8P3P3G	\$1,483	DS-841	1.15	20.0	160	89.5	3.5	
5	3600	460	184T	8P5P1C	\$1,367	DS-841	1.15	16.2	100	88.5	6.1	
	3600	575	184T	8P5P1G	\$1,367	DS-841	1.15	16.1	110	88.5	4.9	
	1800	460	184T	8P5P2C	\$1,119	DS-841	1.15	16.1	110	90.2	6.3	
	1800	575	184T	8P5P2G	\$1,119	DS-841	1.15	16.1	110	89.5	5	
	1200	460	215T	8P5P3C	\$2,106	DS-841	1.15	20.0	160	90.2	7	
	1200	575	215T	8P5P3G	\$2,106	DS-841	1.15	20.0	160	90.2	5.6	
7 1/2	3600	460	213T	8P7P1C	\$1,589	DS-841	1.15	20.0	200	89.5	9.3	
	3600	575	213T	8P7P1G	\$1,589	DS-841	1.15	20.0	160	89.5	7.4	
	1800	460	213T	8P7P2C	\$1,437	DS-841	1.15	20.0	160	91.7	9.3	
	1800	575	213T	8P7P2G	\$1,437	DS-841	1.15	20.0	160	91.7	7.5	
	1200	460	254T	8P7P3C	\$2,638	DS-841	1.15	25.0	300	91.0	9.9	
	1200	575	254T	8P7P3G	\$2,638	DS-841	1.15	25.0	300	91.0	7.8	

Note 10 6205/6203 Bearing System

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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	8P10P1C	\$1,849	DS-841	1.15	20.0	185	91.0	11.8	
	3600	575	215T	8P10P1G	\$1,849	DS-841	1.15	20.0	185	91.7	9.4	
	1800	460	215T	8P10P2C	\$1,724	DS-841	1.15	20.0	205	91.7	12	
	1800	575	215T	8P10P2G	\$1,724	DS-841	1.15	20.0	200	91.7	9.6	
	1200	460	256T	8P10P3C	\$3,164	DS-841	1.15	25.0	340	91.0	12.5	
	1200	575	256T	8P10P3G	\$3,164	DS-841	1.15	25.0	340	91.0	10.1	
15	3600	460	254T	8P15P1C	\$2,565	DS-841	1.15	25.0	300	91.0	17.6	
	3600	575	254T	8P15P1G	\$2,565	DS-841	1.15	25.0	300	91.0	14.3	
	1800	460	254T	8P15P2C	\$2,307	DS-841	1.15	25.0	300	92.4	18.3	
	1800	575	254T	8P15P2G	\$2,307	DS-841	1.15	25.0	300	92.4	14.6	
	1200	460	284T	8P15P3C	\$4,273	DS-841	1.15	27.4	400	91.7	18.6	
	1200	575	284T	8P15P3G	\$4,273	DS-841	1.15	27.4	400	91.7	15	
20	3600	460	256T	8P20P1C	\$3,286	DS-841	1.15	25.0	340	91.0	23.1	
	3600	575	256T	8P20P1G	\$3,286	DS-841	1.15	25.0	340	91.0	18.5	
	1800	460	256T	8P20P2C	\$2,942	DS-841	1.15	25.0	340	93.0	23.8	
	1800	575	256T	8P20P2G	\$2,942	DS-841	1.15	25.0	340	93.0	19	
	1200	460	286T	8P20P3C	\$5,357	DS-841	1.15	27.4	420	91.7	24.5	
	1200	575	286T	8P20P3G	\$5,357	DS-841	1.15	27.4	420	91.7	19.6	
25	3600	460	284TS	8P25P1CS	\$3,707	DS-841	1.15	26.0	350	91.7	29.5	
	3600	575	284TS	8P25P1GS	\$3,707	DS-841	1.15	26.0	350	91.7	23.6	
	1800	460	284T	8P25P2C	\$3,247	DS-841	1.15	27.4	385	93.6	29.5	
	1800	575	284T	8P25P2G	\$3,247	DS-841	1.15	27.4	390	93.6	23.6	
	1200	460	324T	8P25P3C	\$5,863	DS-841	1.15	30.8	631	93.0	29.4	
	1200	575	324T	8P25P3G	\$5,863	DS-841	1.15	30.8	546	93.0	23.5	
30	3600	460	286TS	8P30P1CS	\$4,243	DS-841	1.15	26.0	400	91.7	34	
	3600	575	286TS	8P30P1GS	\$4,243	DS-841	1.15	26.0	400	91.7	27.6	
	1800	460	286T	8P30P2C	\$3,696	DS-841	1.15	27.4	440	93.6	35	
	1800	575	286T	8P30P2G	\$3,696	DS-841	1.15	27.4	440	93.6	27.6	
	1200	460	326T	8P30P3C	\$6,751	DS-841	1.15	30.8	595	93.6	35	
	1200	575	326T	8P30P3G	\$6,751	DS-841	1.15	30.8	626	93.6	28.1	
40	3600	460	324TS	8P40P1CS	\$5,599	DS-841	1.15	29.3	465	92.4	46	
	3600	575	324TS	8P40P1GS	\$5,599	DS-841	1.15	29.3	496	92.4	36	
	1800	460	324T	8P40P2C	\$4,928	DS-841	1.15	30.8	515	94.1	46	
	1800	575	324T	8P40P2G	\$4,928	DS-841	1.15	30.8	546	94.1	37	
	1200	460	364T	8P40P3C	\$9,286	DS-841	1.15	33.0	785	94.1	46	
	1200	575	364T	8P40P3G	\$9,286	DS-841	1.15	33.0	785	94.1	37	
50	3600	460	326TS	8P50P1CS	\$7,203	DS-841	1.15	29.3	655	93.0	56	
	3600	575	326TS	8P50P1GS	\$7,203	DS-841	1.15	29.3	555	93.0	45	
	1800	460	326T	8P50P2C	\$6,050	DS-841	1.15	30.8	860	94.5	56	
	1800	575	326T	8P50P2G	\$6,050	DS-841	1.15	30.8	626	94.5	45	
	1200	460	365T	8P50P3C	\$10,698	DS-841	1.15	33.0	895	94.1	58	
	1200	575	365T	8P50P3G	\$10,698	DS-841	1.15	33.0	895	94.1	46	

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GENERAL PURPOSE UNIMOUNT
GENERAL PURPOSE STEEL EDGE™
GENERAL PURPOSE HOSTILE DUTY
GENERAL PURPOSE CORRO-DUTY™
GENERAL PURPOSE 841 PLUS®
GENERAL PURPOSE OPEN DRAINPROOF
GENERAL PURPOSE HAZARDOUS LOCATION
GENERAL PURPOSE AUTOMOTIVE DUTY
COOLING TOWER DUTY
HAZARDOUS LOCATION
C-FACE MOTORS
VARIABLE FREQUENCY

General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) 841 PLUS® NEMA® Premium Efficient – IE3




CE

(continued)

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt (lbs)	Full Load Eff.	Full Load Amps	Notes
60	3600	460	364TS	8P60P1CS	\$9,416	DS-841	1.15	30.9	785	93.6	68	
	3600	575	364TS	8P60P1GS	\$9,416	DS-841	1.15	30.9	785	93.6	54	
	1800	460	364T	8P60P2C	\$8,614	DS-841	1.15	33.0	785	95.0	69	
	1800	460	364TS	8P60P2CS	\$8,614	DS-841	1.15	30.9	785	95.0	69	
	1800	575	364T	8P60P2G	\$8,614	DS-841	1.15	33.0	785	95.0	55	
	1200	460	404T	8P60P3C	\$12,342	DS-841	1.15	38.0	1160	94.5	70	
	1200	575	404T	8P60P3G	\$12,342	DS-841	1.15	36.5	1360	94.5	56	
75	3600	460	365TS	8P75P1CS	\$11,597	DS-841	1.15	30.9	895	93.6	83	
	3600	575	365TS	8P75P1GS	\$11,597	DS-841	1.15	30.9	895	93.6	67	
	1800	460	365T	8P75P2C	\$10,739	DS-841	1.15	33.0	895	95.4	84	
	1800	460	365T	8P75P2CB	\$11,289	DS-841	1.15	33.0	895	95.4	84	09
	1800	460	365TS	8P75P2CS	\$10,739	DS-841	1.15	30.9	895	95.4	84	
	1800	575	365T	8P75P2G	\$10,739	DS-841	1.00	33.0	895	95.4	68	
	1800	575	365T	8P75P2GB	\$11,289	DS-841	1.15	33.0	895	95.4	68	09
	1200	460	405T	8P75P3C	\$14,263	DS-841	1.15	38.0	1300	94.5	87	
	1200	460	405T	8P75P3CB	\$14,863	DS-841	1.15	38.0	1300	94.5	87	09
	1200	575	405T	8P75P3GB	\$14,863	DS-841	1.15	38.0	1300	94.5	69	09
100	3600	460	405TS	8P100P1CS	\$15,763	DS-841	1.15	35.0	1305	94.5	112	
	1800	460	405T	8P100P2C	\$13,431	DS-841	1.15	38.0	1300	95.4	113	
	1800	460	405T	8P100P2CB	\$14,031	DS-841	1.15	38.0	1300	95.4	113	09
	1800	460	405TS	8P100P2CS	\$13,431	DS-841	1.15	35.0	1100	95.4	113	
	1800	575	405T	8P100P2G	\$13,431	DS-841	1.15	38.0	1400	95.4	90	
	1800	575	405T	8P100P2GB	\$14,031	DS-841	1.15	38.0	1300	95.4	90	09
	1800	575	405TS	8P100P2GS	\$13,431	DS-841	1.15	35.0	1300	95.4	90	
	1200	460	444T	8P100P3C	\$19,820	DS-841	1.15	45.8	1660	95.4	124	11
	1200	460	444T	8P100P3CB	\$20,970	DS-841	1.15	45.8	1660	95.0	124	09
	125	3600	460	444TS	8P125P1CS	\$19,697	DS-841	1.15	42.0	1590	95.8	142
3600		575	444TS	8P125P1GS	\$19,697	DS-841	1.15	42.0	1590	95.8	114	
1800		460	444T	8P125P2C	\$16,789	DS-841	1.15	45.8	1675	95.4	146	11
1800		460	444T	8P125P2CB	\$17,939	DS-841	1.15	45.8	1675	95.4	146	09
1800		460	444TS	8P125P2CS	\$16,789	DS-841	1.15	42.0	1675	95.4	146	
1800		575	444T	8P125P2G	\$16,789	DS-841	1.15	45.8	1675	95.4	116	11
1800		575	444T	8P125P2GB	\$17,939	DS-841	1.15	45.8	1675	95.4	116	09
1800		575	444TS	8P125P2GS	\$16,789	DS-841	1.15	42.0	1675	95.4	116	
1200		460	445T	8P125P3C	\$22,767	DS-841	1.15	45.9	1770	95.8	151	
1200		460	445T	8P125P3CB	\$23,917	DS-841	1.15	45.9	1770	95.4	151	09
1200		575	445T	8P125P3GB	\$23,917	DS-841	1.15	45.8	1770	95.4	123	09
150		3600	460	445TS	8P150P1CS	\$24,508	DS-841	1.15	42	1670	95.8	171
	3600	575	445TS	8P150P1GS	\$24,508	DS-841	1.15	42	1670	95.4	137	
	1800	460	445T	8P150P2C	\$20,147	DS-841	1.15	45.9	1780	95.8	171	11
	1800	460	445T	8P150P2CB	\$21,297	DS-841	1.15	45.8	1780	95.8	171	09
	1800	460	445TS	8P150P2CS	\$20,147	DS-841	1.15	42.1	1800	95.8	171	
	1800	575	445T	8P150P2G	\$20,147	DS-841	1.15	45.9	1800	95.8	137	11
	1800	575	445T	8P150P2GB	\$21,297	DS-841	1.15	45.8	1800	95.8	137	09
	1200	460	447T	8P150P3C	\$26,437	DS-841	1.15	49.4	2100	95.8	181	
	1200	460	447T	8P150P3CB	\$27,787	DS-841	1.15	49.3	2100	95.8	181	09
	1200	575	447T	8P150P3G	\$26,437	DS-841	1.15	49.4	2100	96.2	145	11
	1200	575	447T	8P150P3GB	\$27,787	DS-841	1.15	49.3	2123	95.8	145	09

Note 09 Roller Bearing

Note 11 6318/6313 Bearing System

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NEMA
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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
200	3600	460	447TS	8P200P1CS	\$29,692	DS-841	1.15	45.6	2185	96.2	217	
	3600	575	447TS	8P200P1GS	\$29,692	DS-841	1.15	45.6	2185	95.8	173	
	1800	460	447T	8P200P2C	\$23,532	DS-841	1.15	49.4	2143	96.2	224	
	1800	460	447T	8P200P2CB	\$24,882	DS-841	1.15	49.3	2143	96.2	224	09
	1800	460	447TS	8P200P2CS	\$23,532	DS-841	1.15	45.6	2143	96.2	224	
	1800	575	447T	8P200P2G	\$23,532	DS-841	1.15	49.4	2143	96.2	180	11
	1800	575	447T	8P200P2GB	\$24,882	DS-841	1.15	49.3	2100	96.2	180	09
250	1800	460	449T	8P250P2C	\$30,248	DS-841	1.15	55.1	2722	95.8	275	1841,NNP
	1800	460	449T	8P250P2CB	\$31,798	DS-841	1.15	55.1	2400	95.8	275	1841,09,NNP
	1800	575	449TS	8P250P2GB	\$31,798	DS-841	1.15	51.4	2400	95.8	219	1841,09,NNP
300	1800	460	449T	8P300P2C	\$41,403	DS-841	1.15	55.1	2872	95.8	327	1841,NNP
	1800	460	449T	8P300P2CB	\$42,953	DS-841	1.15	55.1	2400	95.8	327	1841,09,NNP
	1800	575	449T	8P300P2GB	\$42,953	DS-841	1.15	55.1	2400	95.8	262	1841,09,NNP
350	1800	460	449T	8P350P2C	\$49,229	DS-841	1.15	55.1	2972	96.2	381	1841
	1800	460	449T	8P350P2CB	\$50,779	DS-841	1.15	55.1	2400	96.2	381	1841,09
	1800	575	449T	8P350P2GB	\$50,779	DS-841	1.15	55.1	2400	95.8	305	1841,09,NNP
400	1800	460	449T	8P400P2C	\$54,834	DS-841	1.15	55.1	3047	95.8	440	1841,NNP
	1800	460	449T	8P400P2CB	\$56,384	DS-841	1.15	55.1	2400	95.8	440	1841,09,NNP
	1800	575	449T	8P400P2G	\$54,834	DS-841	1.15	55.1	3047	95.8	349	1841,NNP
	1800	575	449T	8P400P2GB	\$56,384	DS-841	1.15	55.1	2400	95.8	349	1841,09,NNP

Note 09 Roller Bearing
Note 11 6318/6313 Bearing System

Note I841 Meets Intent of IEEE 841 (Contact NMC for deviations)
Note NNP Non-NEMA® Premium Rating

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GENERAL PURPOSE AUTOMOTIVE DUTY
COOLING TOWER DUTY
HAZARDOUS LOCATION
C-FACE MOTORS
VARIABLE FREQUENCY