

General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) 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 (Steel Mounting Base On 140 Frame), IP55 Enclosure
- 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 IP66 Bearing Protection
- Same Size Regreasable Open Bearings, Brass Breathers/Drains
- Roller Bearing Available As Conversion On 400 Frame & Up
- Cast Iron Inner Bearing Caps (180 Frame & Larger)
- 5 Year Warranty (3 Years on Inverter Power)
- External Grounding Provision, Epoxy Coated Rotor
- 20:1 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 (except 320-360)
- Meets or exceeds IEEE 841 Standard 2009

HP	RPM	Voltage	Frame	Catalog Number	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt (lbs)	NEMA Nom. Eff.	Full Load Amps	Notes
1	1800	460	143T	8P1P2C	DS-841	1.15	13.1	65	85.5	1.5	
	1800	575	143T	8P1P2G	DS-841	1.15	13.1	65	85.5	1.1	
	1200	460	145T	8P1P3C	DS-841	1.15	13.1	70	81.5	1.8	
	1200	575	145T	8P1P3G	DS-841	1.15	13.1	70	81.5	1.5	
1 1/2	3600	460	143T	8P32P1C	DS-841	1.15	13.1	65	84.0	1.9	10
	3600	575	143T	8P32P1G	DS-841	1.15	13.1	65	84.0	1.6	10
	1800	460	145T	8P32P2C	DS-841	1.25	13.1	70	86.5	2.1	
	1800	575	145T	8P32P2G	DS-841	1.15	13.1	70	86.5	1.7	
	1200	460	182T	8P32P3C	DS-841	1.15	16.1	96	87.5	2.3	
	1200	575	182T	8P32P3G	DS-841	1.15	16.1	100	87.5	1.8	
2	3600	460	145T	8P2P1C	DS-841	1.15	13.1	70	86.5	2.4	
	3600	575	145T	8P2P1G	DS-841	1.15	13.1	70	86.5	2.0	
	1800	460	145T	8P2P2C	DS-841	1.15	13.1	70	86.5	2.8	
	1800	575	145T	8P2P2G	DS-841	1.15	13.1	130	86.5	2.3	
	1200	460	184T	8P2P3C	DS-841	1.15	16.1	109	88.5	3.1	
	1200	575	184T	8P2P3G	DS-841	1.15	16.1	109	88.5	2.5	
3	3600	460	182T	8P3P1C	DS-841	1.15	16.1	96	87.5	3.9	
	3600	575	182T	8P3P1G	DS-841	1.15	16.1	96	88.5	3.1	
	1800	460	182T	8P3P2C	DS-841	1.15	16.1	96	89.5	3.9	
	1800	575	182T	8P3P2G	DS-841	1.15	16.1	96	89.5	3.2	
	1200	460	213T	8P3P3C	DS-841	1.15	20.0	164	89.5	4.4	
	1200	575	213T	8P3P3G	DS-841	1.15	20.0	160	89.5	3.5	
5	3600	460	184T	8P5P1C	DS-841	1.15	16.1	100	88.5	6.1	
	3600	575	184T	8P5P1G	DS-841	1.15	16.1	110	88.5	4.9	
	1800	460	184T	8P5P2C	DS-841	1.15	16.1	110	90.2	6.3	
	1800	575	184T	8P5P2G	DS-841	1.15	16.1	110	89.5	5	
	1200	460	215T	8P5P3C	DS-841	1.15	20.0	160	89.5	7	
	1200	575	215T	8P5P3G	DS-841	1.15	20.0	160	89.5	5.6	
7 1/2	3600	460	213T	8P7P1C	DS-841	1.15	20.0	160	89.5	9.3	
	3600	575	213T	8P7P1G	DS-841	1.15	20.0	160	89.5	7.4	
	1800	460	213T	8P7P2C	DS-841	1.15	20.0	160	91.7	9.1	
	1800	575	213T	8P7P2G	DS-841	1.15	20.0	160	91.7	7.5	
	1200	460	254T	8P7P3C	DS-841	1.15	25.0	300	91.0	9.9	
	1200	575	254T	8P7P3G	DS-841	1.15	25.0	300	91.0	7.8	

Note 10 6205/6203 Bearing System

GENERAL PURPOSE UNIMOUNT™
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 VARIABLE SPEED MOTORS AND DRIVES

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NEMA
Premium


(continued)

HP	RPM	Voltage	Frame	Catalog Number	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt (lbs)	NEMA Nom. Eff.	Full Load Amps	Notes
10	3600	460	215T	8P10P1C	DS-841	1.15	20.0	175	91.0	11.8	
	3600	575	215T	8P10P1G	DS-841	1.15	20.0	175	91.7	9.4	
	1800	460	215T	8P10P2C	DS-841	1.15	20.0	175	91.7	12	
	1800	575	215T	8P10P2G	DS-841	1.15	20.0	175	91.7	9.6	
	1200	460	256T	8P10P3C	DS-841	1.15	25.0	340	91.0	12.5	
	1200	575	256T	8P10P3G	DS-841	1.15	25.0	340	91.0	10.1	
15	3600	460	254T	8P15P1C	DS-841	1.15	25.0	300	91.0	17.5	
	3600	575	254T	8P15P1G	DS-841	1.15	25.0	300	91.0	14.3	
	1800	460	254T	8P15P2C	DS-841	1.15	25.0	300	92.4	18.3	
	1800	575	254T	8P15P2G	DS-841	1.15	25.0	300	92.4	14.6	
	1200	460	284T	8P15P3C	DS-841	1.15	27.7	400	91.7	18.6	
	1200	575	284T	8P15P3G	DS-841	1.15	27.7	400	91.7	15	
20	3600	460	256T	8P20P1C	DS-841	1.15	25.0	340	91.0	23.1	
	3600	575	256T	8P20P1G	DS-841	1.15	25.0	340	91.0	18.5	
	1800	460	256T	8P20P2C	DS-841	1.15	25.3	340	93.0	23.5	
	1800	575	256T	8P20P2G	DS-841	1.15	25.3	340	93.0	19	
	1200	460	286T	8P20P3C	DS-841	1.25	27.7	420	91.7	24.4	
	1200	575	286T	8P20P3G	DS-841	1.15	27.7	420	91.7	19.6	
25	3600	460	284TS	8P25P1CS	DS-841	1.15	27.7	380	91.7	29.5	
	3600	575	284TS	8P25P1GS	DS-841	1.15	26.3	380	91.7	23.6	
	1800	460	284T	8P25P2C	DS-841	1.15	27.7	380	93.6	29.5	
	1800	575	284T	8P25P2G	DS-841	1.15	27.7	380	93.6	23.6	
	1200	460	324T	8P25P3C	DS-841	1.15	30.8	600	93.0	29.4	
	1200	575	324T	8P25P3G	DS-841	1.15	30.8	600	93.0	23.5	
30	3600	460	286TS	8P30P1CS	DS-841	1.15	26.3	410	91.7	34	
	3600	575	286TS	8P30P1GS	DS-841	1.15	26.3	410	91.7	27.6	
	1800	460	286T	8P30P2C	DS-841	1.15	27.4	410	93.6	35	
	1800	575	286T	8P30P2G	DS-841	1.15	27.4	410	93.6	27.6	
	1200	460	326T	8P30P3C	DS-841	1.15	30.8	595	93.6	35	
	1200	575	326T	8P30P3G	DS-841	1.15	30.8	595	93.6	28.1	
40	3600	460	324TS	8P40P1CS	DS-841	1.15	29.3	465	92.4	46	
	3600	575	324TS	8P40P1GS	DS-841	1.15	29.3	465	92.4	36	
	1800	460	324T	8P40P2C	DS-841	1.15	30.8	515	94.1	46	
	1800	575	324T	8P40P2G	DS-841	1.15	30.8	515	94.1	37	
	1200	460	364T	8P40P3C	DS-841	1.15	33.2	785	94.1	46	
	1200	575	364T	8P40P3G	DS-841	1.15	33.2	785	94.1	37	
50	3600	460	326TS	8P50P1CS	DS-841	1.15	29.3	555	93.0	56	
	3600	575	326TS	8P50P1GS	DS-841	1.15	29.3	625	93.0	45	
	1800	460	326T	8P50P2C	DS-841	1.15	30.9	595	94.5	56	
	1800	575	326T	8P50P2G	DS-841	1.15	30.9	595	94.5	45	
	1200	460	365T	8P50P3C	DS-841	1.15	33.2	895	94.1	58	
	1200	575	365T	8P50P3G	DS-841	1.15	33.2	895	94.1	46	
60	3600	460	364TS	8P60P1CS	DS-841	1.15	30.9	785	93.6	68	
	3600	575	364TS	8P60P1GS	DS-841	1.15	30.9	785	93.6	54	
	1800	460	364T	8P60P2C	DS-841	1.15	33.2	785	95.0	69	
	1800	460	364TS	8P60P2CS	DS-841	1.15	30.9	785	95.0	69	LA
	1800	575	364T	8P60P2G	DS-841	1.15	33.2	785	95.0	55	
	1200	460	404T	8P60P3C	DS-841	1.15	38.0	1160	94.5	70	
	1200	575	404T	8P60P3G	DS-841	1.15	38.0	1160	94.5	56	

Note LA Limited Availability

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



CE

(continued)

HP	RPM	Voltage	Frame	Catalog Number	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt (lbs)	NEMA Nom. Eff.	Full Load Amps	Notes
75	3600	460	365TS	8P75P1CS	DS-841	1.15	30.9	895	93.6	83	
	3600	575	365TS	8P75P1GS	DS-841	1.15	30.9	895	93.6	67	
	1800	460	365T	8P75P2C	DS-841	1.15	33.2	895	95.4	84	
	1800	575	365T	8P75P2G	DS-841	1.15	33.2	895	95.4	68	
	1800	575	365T	8P75P2GB	DS-841	1.15	33.2	895	95.4	68	09
	1200	460	405T	8P75P3C	DS-841	1.15	38.0	1300	94.5	87	
	1200	460	405T	8P75P3CB	DS-841	1.15	38.0	1300	94.5	87	09
	1200	575	405T	8P75P3G	DS-841	1.15	38.0	1300	94.5	69	
	1200	575	405T	8P75P3GB	DS-841	1.15	38.0	1300	94.5	69	09
100	3600	460	405TS	8P100P1CS	DS-841	1.15	35.0	1300	94.5	112	
	3600	575	405TS	8P100P1GS	DS-841	1.15	35.0	1300	94.5	90	
	1800	460	405T	8P100P2C	DS-841	1.15	38.0	1300	95.4	113	
	1800	460	405T	8P100P2CB	DS-841	1.15	38.0	1300	95.4	113	09
	1800	460	405TS	8P100P2CS	DS-841	1.15	35.0	1300	95.4	113	
	1800	575	405T	8P100P2G	DS-841	1.15	38.0	1300	95.4	90	
	1800	575	405T	8P100P2GB	DS-841	1.15	38.0	1300	95.4	90	09
	1800	575	405TS	8P100P2GS	DS-841	1.15	35.0	1300	95.4	90	
	1200	460	444T	8P100P3C	DS-841	1.15	45.9	1660	95.0	124	11
	1200	460	444T	8P100P3CB	DS-841	1.15	45.9	1660	95.0	124	09
	1200	575	444T	8P100P3G	DS-841	1.15	45.9	1660	95.0	99	
	1200	575	444T	8P100P3GB	DS-841	1.15	45.9	1660	95.0	99	09
125	3600	460	444TS	8P125P1CS	DS-841	1.15	42.0	1660	95.8	142	
	3600	575	444TS	8P125P1GS	DS-841	1.15	42.0	1660	95.8	114	
	1800	460	444T	8P125P2C	DS-841	1.15	45.9	1675	95.4	146	11
	1800	460	444T	8P125P2CB	DS-841	1.15	45.9	1675	95.4	146	09
	1800	460	444TS	8P125P2CS	DS-841	1.15	42.0	1675	95.4	146	
	1800	575	444T	8P125P2G	DS-841	1.15	45.9	1675	95.4	116	11
	1800	575	444T	8P125P2GB	DS-841	1.15	45.9	1675	95.4	116	09
	1800	575	444TS	8P125P2GS	DS-841	1.15	42.0	1675	95.4	116	
	1200	460	445T	8P125P3C	DS-841	1.15	45.9	1750	95.8	151	
	1200	460	445T	8P125P3CB	DS-841	1.15	45.9	1750	95.4	151	09
	1200	575	445T	8P125P3G	DS-841	1.15	45.9	1750	95.4	123	
	1200	575	445T	8P125P3GB	DS-841	1.15	45.9	1750	95.4	123	09
150	3600	460	445TS	8P150P1CS	DS-841	1.15	41.7	1750	95.8	171	
	3600	575	445TS	8P150P1GS	DS-841	1.15	42.1	1750	95.4	137	
	1800	460	445T	8P150P2C	DS-841	1.15	45.9	1780	95.8	171	11
	1800	460	445T	8P150P2CB	DS-841	1.15	45.9	1780	95.8	171	09
	1800	460	445TS	8P150P2CS	DS-841	1.15	42.1	1780	95.8	171	
	1800	575	445T	8P150P2G	DS-841	1.15	45.9	1780	95.8	137	11
	1800	575	445T	8P150P2GB	DS-841	1.15	45.9	1780	95.8	137	09
	1200	460	447T	8P150P3C	DS-841	1.15	49.4	2100	95.8	181	
	1200	460	447T	8P150P3CB	DS-841	1.15	49.4	2100	95.8	181	09
	1200	575	447T	8P150P3G	DS-841	1.15	49.4	2100	96.2	145	11
	1200	575	447T	8P150P3GB	DS-841	1.15	49.4	2100	95.8	145	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 DRIPPROOF
 GENERAL PURPOSE HAZARDOUS LOCATION
 GENERAL PURPOSE AUTOMOTIVE DUTY
 COOLING TOWER DUTY
 HAZARDOUS LOCATION
 C-FACE MOTORS
 VARIABLE SPEED MOTORS AND DRIVES

GENERAL PURPOSE
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841 PLUS®GENERAL PURPOSE
OPEN DRIPPROOFGENERAL PURPOSE
HAZARDOUS LOCATIONGENERAL PURPOSE
AUTOMOTIVE DUTYCOOLING TOWER
DUTYHAZARDOUS
LOCATIONC-FACE
MOTORSVARIABLE SPEED
MOTORS AND DRIVES

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




(continued)

HP	RPM	Voltage	Frame	Catalog Number	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt (lbs)	NEMA Nom. Eff.	Full Load Amps	Notes
200	3600	460	447TS	8P200P1CS	DS-841	1.15	45.6	2100	96.2	217	
	3600	575	447TS	8P200P1GS	DS-841	1.15	45.6	2100	95.8	173	
	1800	460	447T	8P200P2C	DS-841	1.15	49.4	2120	96.2	224	
	1800	460	447T	8P200P2CB	DS-841	1.15	49.4	2120	96.2	224	09
	1800	460	447TS	8P200P2CS	DS-841	1.15	45.6	2120	96.2	224	
	1800	575	447T	8P200P2G	DS-841	1.15	49.4	2120	96.2	180	11
	1800	575	447T	8P200P2GB	DS-841	1.15	49.4	2120	96.2	180	09
250	3600	460	449TS	8P250P1CS	DS-841	1.15	51.4	2400	95.8	273	12,106,AP
	1800	460	449T	8P250P2C	DS-841	1.15	55.1	2700	96.2	273	106,AP
300	3600	460	449TS	8P300P1CS	DS-841	1.15	51.4	2700	95.8	329	12,106,AP
	1800	460	449T	8P300P2C	DS-841	1.15	55.1	2700	96.2	326	106,AP
350	3600	460	449TS	8P350P1CS	DS-841	1.15	51.4	2800	95.8	374	12,106,AP
	1800	460	449T	8P350P2C	DS-841	1.15	55.1	2400	96.2	378	106,AP
400	3600	460	449TS	8P400P1CS	DS-841	1.15	51.4	2900	95.8	426	12,106,AP
	1800	460	449T	8P400P2C	DS-841	1.15	55.1	2400	96.2	434	12,106,AP
	1800	575	449T	8P400P2G	DS-841	1.15	55.1	2400	96.2	347	12,106,AP

- Note 09 Cylindrical Roller Bearing
 Note 11 6318/6313 Bearing System
 Note 12 Unidirectional Fan - CCW direction facing opposite drive end (FODE)
 Note 106 TITAN® 841 (IEEE 841 Features)
 Note AP No F2 Convertibility