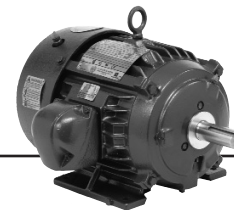


# General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) 841 Plus® Premium Efficient



CE

## APPLICATIONS:

Designed 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
- 5 Year Warranty (3 Years on Inverter Power)
- Same Size Regreasable Open Bearings, Brass Breathers/Drains
- 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
- Internal Bearing Caps 180 Frame & Up
- Conversion Kits: C&D Flange, Canopy Kit (except 320-360)

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	<b>8P1P2C</b>	\$766	DS-841	1.15	13.1	65	85.5	1.5	-
	1800	575	143T	8P1P2G	\$766	DS-841	1.15	13.1	65	86.5	1.1	-
	1200	460	145T	<b>8P1P3C</b>	\$822	DS-841	1.15	13.1	70	82.5	1.8	-
	1200	575	145T	8P1P3G	\$822	DS-841	1.15	13.1	70	82.5	1.5	-
1-1/2	3600	460	143T	<b>8P32P1C</b>	\$661	DS-841	1.15	13.1	65	84	1.9	10
	3600	460	143T	<b>8P32P1C</b>	\$661	DS-841	1.15	13.5	65	84	1.9	10
	3600	575	143T	8P32P1G	\$661	DS-841	1.15	13.1	65	84	1.6	10
	1800	460	145T	<b>8P32P2C</b>	\$781	DS-841	1.15	13.5	70	86.5	2.1	-
	1800	460	145T	<b>8P32P2C</b>	\$781	DS-841	1.15	13.1	70	86.5	2.1	-
	1800	575	145T	8P32P2G	\$781	DS-841	1.15	13.1	70	86.5	1.7	-
	1200	460	182T	8P32P3C	\$947	DS-841	1.15	15.1	96	87.5	2.3	-
	1200	575	182T	8P32P3G	\$947	DS-841	1.15	15.1	96	87.5	1.8	-
2	3600	460	145T	<b>8P2P1C</b>	\$777	DS-841	1.15	13.1	70	86.5	2.4	-
	3600	460	145T	<b>8P2P1C</b>	\$777	DS-841	1.15	13.5	70	86.5	2.4	-
	3600	575	145T	8P2P1G	\$777	DS-841	1.15	13.1	70	86.5	2	-
	1800	460	145T	<b>8P2P2C</b>	\$815	DS-841	1.15	13.1	70	86.5	2.8	-
	1800	575	145T	8P2P2G	\$815	DS-841	1.15	13.1	70	86.5	2.3	-
	1200	460	184T	<b>8P2P3C</b>	\$1,050	DS-841	1.15	16.2	109	88.5	3.1	-
	1200	575	184T	8P2P3G	\$1,050	DS-841	1.15	16.2	109	88.5	2.5	-
	3	3600	460	182T	<b>8P3P1C</b>	\$982	DS-841	1.15	15.1	96	88.5	3.9
3600		575	182T	8P3P1G	\$982	DS-841	1.15	15.1	96	88.5	3.1	-
1800		460	182T	<b>8P3P2C</b>	\$1,032	DS-841	1.15	15.1	96	89.5	4	-
1800		460	182T	<b>8P3P2C</b>	\$1,032	DS-841	1.15	17.4	96	89.5	4	-
1800		575	182T	8P3P2G	\$1,032	DS-841	1.15	15.1	96	89.5	3.2	-
1200		460	213T	<b>8P3P3C</b>	\$1,436	DS-841	1.15	18.1	164	89.5	4.4	-
1200		575	213T	8P3P3G	\$1,436	DS-841	1.15	18.1	164	89.5	3.5	-
5		3600	460	184T	<b>8P5P1C</b>	\$1,209	DS-841	1.15	16.2	110	88.5	6.1
	3600	575	184T	8P5P1G	\$1,209	DS-841	1.15	16.2	110	88.5	4.9	-
	1800	460	184T	<b>8P5P2C</b>	\$1,051	DS-841	1.15	16.2	110	90.2	6.3	-
	1800	575	184T	8P5P2G	\$1,051	DS-841	1.15	16.2	110	89.5	5	-
	1200	460	215T	<b>8P5P3C</b>	\$1,486	DS-841	1.15	19.6	160	90.2	7	-
	1200	575	215T	8P5P3G	\$1,486	DS-841	1.15	19.6	160	90.2	5.6	-
7-1/2	3600	460	213T	<b>8P7P1C</b>	\$1,581	DS-841	1.15	18.1	160	89.5	9.3	-
	3600	575	213T	8P7P1G	\$1,581	DS-841	1.15	18.1	160	89.5	7.4	-

Note 09 Roller Bearing

Note 10 6205/6203 Bearing System

Note 11 6318/6313 Bearing System

Note 12 Unidirectional Fan - CCW direction facing opposite drive end (FODE)

† All non-Emerson Electric Co. marks shown within this document are properties of their other respective owners

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



CE

## APPLICATIONS:

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

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs.)	Full Load Eff.	Full Load Amps	Notes
7-1/2	1800	460	213T	<b>8P7P2C</b>	\$1,326	DS-841	1.15	18.1	160	91.7	9.3	-
	1800	575	213T	8P7P2G	\$1,326	DS-841	1.15	18.1	160	91.7	7.5	-
	1200	460	254T	<b>8P7P3C</b>	\$2,145	DS-841	1.15	23.3	300	91	9.9	-
	1200	575	254T	8P7P3G	\$2,145	DS-841	1.15	23.3	300	91	7.8	-
10	3600	460	215T	<b>8P10P1C</b>	\$1,681	DS-841	1.15	19.6	185	91.7	11.8	-
	3600	575	215T	8P10P1G	\$1,681	DS-841	1.15	19.6	185	91.7	9.4	-
	1800	460	215T	<b>8P10P2C</b>	\$1,571	DS-841	1.15	19.6	200	91.7	12	-
	1800	575	215T	8P10P2G	\$1,571	DS-841	1.15	19.6	200	91.7	9.6	-
	1200	460	256T	<b>8P10P3C</b>	\$2,738	DS-841	1.15	25.0	340	91	12.5	-
	1200	575	256T	8P10P3G	\$2,738	DS-841	1.15	25.0	340	91	10.1	-
15	3600	460	254T	<b>8P15P1C</b>	\$2,191	DS-841	1.15	23.3	300	91	17.6	-
	3600	575	254T	8P15P1G	\$2,191	DS-841	1.15	23.3	300	91	14.3	-
	1800	460	254T	<b>8P15P2C</b>	\$2,023	DS-841	1.15	23.3	320	93	18.3	-
	1800	575	254T	8P15P2G	\$2,023	DS-841	1.15	23.3	320	93	14.5	-
	1200	460	284T	<b>8P15P3C</b>	\$3,164	DS-841	1.15	25.5	400	91.7	18.6	-
	1200	575	284T	8P15P3G	\$3,164	DS-841	1.15	25.5	400	91.7	15	-
20	3600	460	256T	<b>8P20P1C</b>	\$2,512	DS-841	1.15	25.0	350	91	23.1	-
	3600	460	256T	8P20P1G	\$2,512	DS-841	1.15	25.0	350	91	23.1	-
	3600	575	256T	8P20P1G	\$2,512	DS-841	1.15	25.0	350	91	18.5	-
	1800	460	256T	<b>8P20P2C</b>	\$2,188	DS-841	1.15	25.0	360	93	23.8	-
	1800	575	256T	8P20P2G	\$2,188	DS-841	1.15	25.0	360	93	19	-
	1200	460	286T	<b>8P20P3C</b>	\$4,264	DS-841	1.15	27.0	420	91.7	24.5	-
	1200	575	286T	8P20P3G	\$4,264	DS-841	1.15	27.0	420	91.7	19.6	-
25	3600	460	284TS	<b>8P25P1CS</b>	\$3,072	DS-841	1.15	24.1	350	91.7	29.5	-
	3600	575	284TS	8P25P1GS	\$3,072	DS-841	1.15	24.1	350	91.7	23.6	-
	1800	460	284T	<b>8P25P2C</b>	\$2,840	DS-841	1.15	25.5	440	93.6	29.5	-
	1800	575	284T	8P25P2G	\$2,840	DS-841	1.15	25.5	390	93.6	23.6	-
	1200	460	324T	<b>8P25P3C</b>	\$4,495	DS-841	1.15	30.8	515	93	29.4	-
	1200	575	324T	8P25P3G	\$4,495	DS-841	1.15	30.8	515	93	23.5	-
30	3600	460	286TS	<b>8P30P1CS</b>	\$3,679	DS-841	1.15	25.6	400	91.7	34	-
	3600	575	286TS	8P30P1GS	\$3,679	DS-841	1.15	25.6	400	91.7	27.6	-
	1800	460	286T	<b>8P30P2C</b>	\$3,342	DS-841	1.15	27.0	440	93.6	35	-
	1800	575	286T	8P30P2G	\$3,342	DS-841	1.15	27.0	440	94.1	27.6	-
	1200	460	326T	<b>8P30P3C</b>	\$5,850	DS-841	1.15	30.8	595	93.6	35	-
	1200	575	326T	8P30P3G	\$5,850	DS-841	1.15	30.8	595	93.6	28.1	-
40	3600	460	324TS	<b>8P40P1CS</b>	\$5,035	DS-841	1.15	29.3	465	92.4	46	-
	3600	575	324TS	8P40P1GS	\$5,035	DS-841	1.15	29.3	465	92.4	36	-
	1800	460	324T	<b>8P40P2C</b>	\$4,452	DS-841	1.15	30.8	515	94.1	46	-
	1800	575	324T	8P40P2G	\$4,452	DS-841	1.15	30.8	515	94.1	37	-
	1200	460	364T	8P40P3C	\$7,609	DS-841	1.15	33.0	785	94.1	46	-
	1200	575	364T	8P40P3G	\$7,609	DS-841	1.15	33.0	785	94.1	37	-
50	3600	460	326TS	<b>8P50P1CS</b>	\$5,253	DS-841	1.15	29.3	555	93	56	-
	3600	575	326TS	8P50P1GS	\$5,253	DS-841	1.15	29.3	555	93	45	-
	1800	460	326T	<b>8P50P2C</b>	\$5,228	DS-841	1.15	30.8	595	94.5	56	-

Note 09 Roller Bearing

Note 10 6205/6203 Bearing System

Note 11 6318/6313 Bearing System

Note 12 Unidirectional Fan - CCW direction facing opposite drive end (FODE)

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GEN. PURPOSE SINGLE PHASE  
GEN. PURPOSE THREE PHASE  
SEVERE DUTY  
HAZARDOUS LOCATION  
C-FACE SINGLE & THREE PHASE  
MULTI-SPEED THREE PHASE  
INVERTER DUTY  
VECTOR DUTY  
DRIVES  
BRAKE MOTORS  
U FRAME MOTORS  
DIRECT CURRENT (DC)

GEN. PURPOSE SINGLE PHASE  
 GEN. PURPOSE THREE PHASE  
 SEVERE DUTY  
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 DRIVES  
 BRAKE MOTORS  
 U FRAME MOTORS  
 DIRECT CURRENT (DC)

# General Purpose Three Phase, Totally Enclosed Fan Cooled (TEFC) 81 Plus® Premium Efficient



CE

## APPLICATIONS:

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

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs.)	Full Load Eff.	Full Load Amps	Notes
50	1800	575	326T	8P50P2G	\$5,228	DS-841	1.15	30.8	595	94.5	45	-
	1200	460	365T	8P50P3C	\$8,735	DS-841	1.15	33.0	895	94.1	58	-
	1200	575	365T	8P50P3G	\$8,735	DS-841	1.15	33.0	895	94.1	46	-
60	3600	460	364TS	8P60P1CS	\$7,765	DS-841	1.15	30.9	785	93.6	68	-
	3600	575	364TS	8P60P1GS	\$7,765	DS-841	1.15	30.9	785	93.6	54	-
	1800	460	364T	8P60P2C	\$6,942	DS-841	1.15	33.0	785	95	69	-
	1800	575	364T	8P60P2G	\$6,942	DS-841	1.15	33.0	785	95	55	-
	1800	460	364TS	8P60P2CS	\$6,942	DS-841	1.15	30.9	785	95	69	-
	1800	575	364TS	8P60P2GS	\$6,942	DS-841	1.15	30.9	785	95	55	-
	1200	460	404T	8P60P3C	\$9,889	DS-841	1.15	36.5	1160	94.5	70	-
	1200	575	404T	8P60P3G	\$9,889	DS-841	1.15	36.5	1160	94.5	56	-
75	3600	460	365TS	8P75P1CS	\$8,599	DS-841	1.15	30.9	895	93.6	83	-
	3600	575	365TS	8P75P1GS	\$8,599	DS-841	1.15	30.9	895	93.6	67	-
	1800	460	365T	8P75P2C	\$8,075	DS-841	1.15	33.0	895	95.4	84	-
	1800	460	365T	8P75P2CB	\$8,479	DS-841	1.15	-	895	95.4	84	09
	1800	575	365T	8P75P2G	\$8,075	DS-841	1.15	33.0	895	95.4	68	-
	1800	575	365T	8P75P2GB	\$8,479	DS-841	1.15	-	895	95.4	68	09
	1800	460	365TS	8P75P2CS	\$8,075	DS-841	1.15	30.9	895	95.4	84	-
	1800	575	365TS	8P75P2GS	\$8,075	DS-841	1.15	30.9	895	95.4	68	-
	1200	460	405T	8P75P3C	\$11,978	DS-841	1.15	38.0	1300	94.5	87	-
	1200	460	405T	8P75P3CB	\$12,577	DS-841	1.15	-	1300	94.5	87	09
	1200	575	405T	8P75P3G	\$11,978	DS-841	1.15	38.0	1300	94.5	70	-
	1200	575	405T	8P75P3GB	\$12,577	DS-841	1.15	-	1300	94.5	70	09
100	3600	460	405TS	8P100P1CS	\$10,307	DS-841	1.15	35.0	1300	94.1	112.0	-
	3600	575	405TS	8P100P1GS	\$10,307	DS-841	1.15	35.0	1300	94.1	90	-
	1800	460	405T	8P100P2C	\$10,779	DS-841	1.15	38.0	1300	95.4	113	-
	1800	460	405T	8P100P2CB	\$11,318	DS-841	1.15	-	1300	95.4	113	09
	1800	575	405T	8P100P2G	\$10,779	DS-841	1.15	38.0	1300	95.4	91	-
	1800	575	405T	8P100P2GB	\$11,318	DS-841	1.15	-	1300	95.4	91	09
	1800	460	405TS	8P100P2CS	\$10,779	DS-841	1.15	35.0	1300	95.4	113	-
	1800	575	405TS	8P100P2GS	\$10,779	DS-841	1.15	35.0	1300	95.4	91	-
	1200	460	444T	8P100P3C	\$13,175	DS-841	1.15	43.9	1660	95.4	124	11
	1200	460	444T	8P100P3CB	\$13,834	DS-841	1.15	-	1660	95	124	09
	1200	575	444T	8P100P3G	\$13,175	DS-841	1.15	43.9	1660	95.4	99	11
	1200	575	444T	8P100P3GB	\$13,834	DS-841	1.15	-	1660	95	99	09
125	3600	460	444TS	8P125P1CS	\$12,054	DS-841	1.15	40.1	1590	95	145	12
	3600	575	444TS	8P125P1GS	\$12,054	DS-841	1.15	40.1	1590	95	116	12
	1800	460	444T	8P125P2C	\$12,227	DS-841	1.15	43.9	1675	95.4	146	11
	1800	460	444T	8P125P2CB	\$12,838	DS-841	1.15	-	1675	95.4	146	09
	1800	575	444T	8P125P2G	\$12,227	DS-841	1.15	40.1	1675	95.4	116	11
	1800	575	444T	8P125P2GB	\$12,227	DS-841	1.15	43.9	1675	95.4	116	11
	1800	575	444T	8P125P2GS	\$12,838	DS-841	1.15	-	1675	95.4	116	09
	1800	460	444TS	8P125P2CS	\$12,227	DS-841	1.15	40.1	1675	95.4	146	-
	1800	575	444TS	8P125P2GS	\$12,227	DS-841	1.15	40.1	1675	95.4	116	-

Note 09 Roller Bearing

Note 11 6318/6313 Bearing System

Note 10 6205/6203 Bearing System

Note 12 Unidirectional Fan - CCW direction facing opposite drive end (FODE)

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



CE

## APPLICATIONS:

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

HP	RPM	Voltage	Frame	Catalog Number	List	Discount Symbol	SF	"C" Dim. (inches)	Ship Wt. (lbs.)	Full Load Eff.	Full Load Amps	Notes
125	1200	460	445T	8P125P3C	\$14,954	DS-841	1.15	45.9	1750	95.8	151	-
	1200	460	445T	8P125P3CB	\$15,702	DS-841	1.15	-	1750	95.4	151	09
	1200	575	445T	8P125P3G	\$14,954	DS-841	1.15	45.9	1750	95.8	123	11
	1200	575	445T	8P125P3GB	\$15,702	DS-841	1.15	-	1750	95.4	123	09
150	3600	460	445TS	<b>8P150P1CS</b>	\$13,853	DS-841	1.15	42.1	1650	95	167	12
	3600	575	445TS	8P150P1GS	\$13,853	DS-841	1.15	42.1	1650	95	134	12
	1800	460	445T	<b>8P150P2C</b>	\$14,460	DS-841	1.15	45.9	1780	95.8	171	11
	1800	460	445T	<b>8P150P2CB</b>	\$15,183	DS-841	1.15	-	1780	95.8	171	09
	1800	575	445T	8P150P2G	\$14,460	DS-841	1.15	45.9	1780	95.8	137	11
	1800	575	445T	8P150P2GB	\$15,183	DS-841	1.15	-	1780	95.8	137	09
	1800	460	445TS	<b>8P150P2CS</b>	\$14,460	DS-841	1.15	42.1	1780	95.8	171	-
	1800	575	445TS	8P150P2GS	\$14,460	DS-841	1.15	42.1	1780	95.8	137	-
	1200	460	447T	<b>8P150P3C</b>	\$16,623	DS-841	1.15	49.4	2100	95.8	181	-
	1200	460	447T	<b>8P150P3CB</b>	\$17,454	DS-841	1.15	-	2100	95.8	181	09
	1200	575	447T	8P150P3G	\$16,623	DS-841	1.15	49.4	2100	96.2	145	11
	1200	575	447T	8P150P3GB	\$17,454	DS-841	1.15	-	2100	95.8	145	09
200	3600	460	447TS	<b>8P200P1CS</b>	\$18,315	DS-841	1.15	45.6	1950	95.4	220	12
	3600	575	447TS	8P200P1GS	\$18,315	DS-841	1.15	45.6	1950	95.4	175	12
	1800	460	447T	<b>8P200P2C</b>	\$17,397	DS-841	1.15	-	2120	96.2	224	-
	1800	460	447T	<b>8P200P2CB</b>	\$18,267	DS-841	1.15	-	2120	96.2	224	09
	1800	575	447T	8P200P2G	\$17,397	DS-841	1.15	49.4	2120	96.2	180	11
	1800	575	447T	8P200P2GB	\$18,267	DS-841	1.15	-	2120	96.2	180	09
	1800	460	447TS	<b>8P200P2CS</b>	\$17,397	DS-841	1.15	-	2120	96.2	224	-
	1800	575	447TS	8P200P2GS	\$17,397	DS-841	1.15	45.6	2120	96.2	180	-
250	1800	460	449T	<b>8P250P2C</b>	\$22,425	DS-6S	1.15	-	2700	95.8	275	-
	1800	460	449T	<b>8P250P2CB</b>	\$23,546	DS-841	1.15	-	2700	95.8	275	09
	1800	575	449TS	<b>8P250P2G</b>	\$22,425	DS-6S	1.15	-	2700	95.8	219	-
	1800	575	449TS	8P250P2GB	\$23,546	DS-841	1.15	-	2700	95.8	219	09
300	1800	460	449T	<b>8P300P2C</b>	\$26,333	DS-6S	1.15	-	2850	95.8	327	-
	1800	460	449T	<b>8P300P2CB</b>	\$27,650	DS-841	1.15	-	2850	95.8	327	09
	1800	575	449T	<b>8P300P2G</b>	\$26,333	DS-6S	1.15	-	2850	95.8	262	-
	1800	575	449T	8P300P2GB	\$27,650	DS-841	1.15	-	2850	95.8	262	09
350	1800	460	449T	<b>8P350P2C</b>	\$27,625	DS-6S	1.15	-	2950	96.2	381	-
	1800	460	449T	<b>8P350P2CB</b>	\$29,006	DS-841	1.15	-	2950	96.2	381	09
	1800	575	449T	<b>8P350P2G</b>	\$27,625	DS-6S	1.15	-	2950	95.8	305	-
	1800	575	449T	8P350P2GB	\$29,006	DS-841	1.15	-	2950	95.8	305	09
400	1800	460	449T	<b>8P400P2C</b>	\$28,761	DS-6S	1.15	-	3025	95.8	440	-
	1800	460	449T	<b>8P400P2CB</b>	\$30,199	DS-841	1.15	-	3025	95.8	440	09
	1800	575	449T	<b>8P400P2G</b>	\$28,761	DS-6S	1.15	-	3025	95.8	349	-
	1800	575	449T	8P400P2GB	\$30,199	DS-841	1.15	-	3025	95.8	349	09

Note 09 Roller Bearing

Note 10 6205/6203 Bearing System

Note 11 6318/6313 Bearing System

Note 12 Unidirectional Fan - CCW direction facing opposite drive end (FODE)

† All non-Emerson Electric Co. marks shown within this document are properties of their other respective owners