

Crown Triton - IEC Metric

Premium Efficiency Severe Duty Motor



DOWNLOADS



PROMOTIONS

CROWN TRITON-IEC METRIC motor line is
engineered for severe duty applications that requires IEC mounting dimension.

It features the highest efficiency through FEM, CFD and HARMONIC analysis,
and low noise and low vibration by optimized structural design.



Standard Features

- NEMA Premium Efficiency@60Hz, IEC IE3 Efficiency @50Hz
- Class B Temperature Rise
- Magnet wire and insulation systems meets NEMA MG-1 Part 31
- Suitable for Inverter use,
10:1CT, 20:1VT, meets NEMA MG-1 Part 31
- Totally Enclosed Fan Cooled
- NEMA Design B Torque@60Hz
(LRC in accordance with IEC Design N)
- IEC Design N@50Hz
- Service Factor
 - 1.15@60Hz,Sine Wave Power; 1.0@VFD Power
 - 1.0@50Hz
- F1 or F2 field convertibility
- FF-Flange and FT-Flange kits available for B35 and B34
- IP55 Protection
- Cast Iron Frame, End Brackets, Main Conduit Box
(except 80M frame)
- Steel Fan Cover
- CSA Certificate for Class I, Div. 2, Groups A,B,C&D, T3
- 3 Year Warranty

Product Range

- **HP** : 1 to 250HP
- **Frame** : 80 ~ 280LL
- **RPM** : 1200/1800/3600
- **Voltage** :
 - Fr.132M and below(9 Leads)
: 230/460@60Hz, 190/380~415V@50Hz
 - Fr.160 and above(6 Leads with T-block)
: 460V@60Hz, 380~415V@50Hz

Applications

- Pumps
- Fans
- Conveyors
- Compressors
- Mixers
- Any application that requires IEC Mounting

IEC Metric List Price

HP	kW	RPM	Volts	Frame Number	Catalog Number & Order Code	List Price	FL Amps	FL Eff.	Weight kg (lbs.)	Notes
1	0.75	3600	230/460	80M	PP75PO15IEC	\$440	2.8/1.4	77.0	12 (26)	3, 5
1	0.75	1800	230/460	80M	PP75PO25IEC	\$454	3.0/1.5	83.5	12 (26)	3, 5
1	0.75	1200	230/460	90L	PP75PO32IEC	\$562	3.8/1.9	82.5	25 (55)	3, 5
1.5	1.1	3600	230/460	80M	P1P1PO15IEC	\$492	3.8/1.9	84.0	12 (26)	3, 5
1.5	1.1	1800	230/460	90L	P1P1PO25IEC	\$507	4.1/2.0	86.5	25 (55)	3, 5
1.5	1.1	1200	230/460	100L	P1P1PO35IEC	\$727	4.8/2.4	87.5	41 (90)	3, 5
2	1.5	3600	230/460	90L	P1P5PO15IEC	\$543	5.0/2.5	85.5	25 (55)	3, 5
2	1.5	1800	230/460	90L	P1P5PO25IEC	\$553	5.6/2.8	86.5	25 (55)	3, 5
2	1.5	1200	230/460	100L	P1P5PO35IEC	\$855	6.4/3.2	88.5	41 (90)	3, 5
3	2.2	3600	230/460	90L	P2P2PO15IEC	\$737	7.3/3.6	86.5	25 (55)	3, 5
3	2.2	1800	230/460	100L	P2P2PO25IEC	\$769	8.3/4.2	89.5	41 (90)	3, 5
3	2.2	1200	230/460	112M	P2P2PO35IEC	\$1,092	9.5/4.7	89.5	48 (106)	3, 5
4	3	3600	230/460	112M	P3P0PO158	\$835	9.9/4.9	88.5	48 (106)	3, 5
4	3	1800	230/460	100L	P3P0PO25IEC	\$732	11.4/5.7	89.5	41 (90)	3, 5
4	3	1200	230/460	132S	P3P0PO35IEC	\$1,302	12.9/6.5	89.5	68 (150)	3, 5
5.5	4	3600	230/460	112M	P4P0PO15IEC	\$891	13.2/6.6	88.5	48 (110)	3, 5
5.5	4	1800	230/460	112M	P4P0PO25IEC	\$747	15.6/7.8	89.5	48 (110)	3, 5
5.5	4	1200	230/460	132S	P4P0PO35IEC	\$1,313	17.3/8.6	89.5	68 (150)	3, 5
7.5	5.5	3600	230/460	132S	P5P5PO15IEC	\$1,165	18.6/9.3	89.5	68 (150)	3, 5
7.5	5.5	1800	230/460	132S	P5P5PO25IEC	\$1,053	20.9/10.5	91.7	68 (150)	3, 5
7.5	5.5	1200	230/460	132M	P5P5PO35IEC	\$1,852	22.0/11.0	91.0	78 (180)	3, 5
10	7.5	3600	230/460	132S	P7P5PO15IEC	\$1,328	24.6/12.3	90.2	68 (150)	3, 5
10	7.5	1800	230/460	132M	P7P5PO25IEC	\$1,254	28.5/14.3	91.7	78 (180)	3, 5
10	7.5	1200	460	160M	P7P5PO35IEC	\$2,324	14.6	91.0	107 (240)	4, 5
15	11	3600	460	160M	PO11PO18IEC	\$2,044	17.4	91.0	107 (240)	4, 5
15	11	1800	460	160M	PO11PO28IEC	\$1,839	19.7	92.4	107 (240)	4, 5
15	11	1200	460	160L	PO11PO38IEC	\$3,166	21.2	91.7	131 (290)	4, 5
20	15	3600	460	160M	PO15PO18IEC	\$2,426	23.5	91.0	107 (240)	4, 5
20	15	1800	460	160L	PO15PO28IEC	\$2,274	24.8	93.0	131 (290)	4, 5
20	15	1200	460	180M	PO15PO38IEC	\$3,936	28.5	91.7	162 (360)	4, 5
25	18.5	3600	460	160L	PO19PO18IEC	\$3,054	28.8	91.7	131 (290)	4, 5
25	18.5	1800	460	180M	PO19PO28IEC	\$2,830	30.3	93.6	162 (360)	4, 5
25	18.5	1200	460	180L	PO19PO387	\$4,532	34.7	93.0	186 (420)	4, 5
25	18.5	1200	460	200L	PO19PO38IEC	\$5,128	31.2	93.0	250 (560)	4, 5
30	22	3600	460	180M	PO22PO18IEC	\$3,597	33.8	91.7	162 (360)	4, 5
30	22	1800	460	180M	PO22PO28IEC	\$3,423	36.0	93.6	162 (360)	4, 5
30	22	1200	460	180L	PO22PO387	\$4,915	41.2	93.0	186 (420)	4, 5
30	22	1200	460	200L	PO22PO38IEC	\$5,298	37.1	93.0	250 (560)	4, 5
40	30	3600	460	180L	PO30PO187	\$4,380	45.8	92.4	186 (420)	4, 5
40	30	3600	460	200L	PO30PO28IEC	\$5,163	45.3	92.4	250 (560)	4, 5
40	30	1800	460	180L	PO30PO287	\$4,103	48.8	94.1	186 (420)	4, 5
40	30	1800	460	200L	PO30PO28IEC	\$4,783	47.1	94.1	250 (560)	4, 5

HP	kW	RPM	Volts	Frame Number	Catalog Number & Order Code	List Price	FL Amps	FL Eff.	Weight kg (lbs.)	Notes
40	30	1200	460	200L	PO30PO387	\$6,599	50.0	94.1	250 (560)	4, 5
40	30	1200	460	225S	PO30PO38IEC	\$7,901	47.9	94.1	380 (840)	4, 5
50	37	3600	460	200L	PO37PO18IEC	\$6,021	55.5	93.0	250 (560)	4, 5
50	37	1800	460	200L	PO37PO287	\$5,892	57.8	94.5	250 (560)	4, 5
50	37	1200	460	200LL	PO37PO38IEC-2	\$7,930	61.7	94.1	290 (640)	1, 4, 5
50	37	1200	460	225S	PO37PO387	\$9,260	59.1	94.1	380 (840)	4, 5
60	45	3600	460	225S	PO45PO18IEC	\$8,417	65.9	93.6	350 (780)	4, 5
60	45	1800	460	200LL	PO45PO287	\$6,835	69.9	95.0	290 (640)	1, 4, 5
60	45	1800	460	225S	PO45PO28IEC	\$7,777	69.9	95.0	350 (780)	4, 5
60	45	1200	460	225S	PO45PO38IEC-2	\$10,298	71.6	94.5	380 (840)	4, 5
60	45	1200	460	250S	PO45PO387	\$11,337	70.3	94.5	505 (1120)	2, 4, 5
75	55	1800	460	225S	PO55PO187	\$9,835	80.6	93.6	350 (780)	4, 5
75	55	1800	460	225S	PO55PO287	\$8,992	85.1	95.4	350 (780)	4, 5
75	55	1200	460	250S	PO55PO387	\$12,323	85.9	94.5	505 (1120)	2, 4, 5
100	75	3600	460	250S	PO75PO187	\$13,032	110.5	94.1	500 (1110)	2, 4, 5
100	75	1800	460	250S	PO75PO287	\$11,655	114.1	95.4	500 (1110)	2, 4, 5
100	75	1200	460	250M	PO75PO38IEC-2	\$13,610	116.6	95.0	550 (1220)	2, 4, 5
100	75	1200	460	280S	PO75PO387	\$14,896	116.6	95.0	690 (1530)	2, 4, 5
120	90	3600	460	250M	PO90PO187	\$15,139	131.4	95.0	530 (1170)	2, 4, 5
120	90	3600	460	280S	PO90PO18IEC	\$17,247	131.4	95.0	730 (1610)	2, 4, 5
120	90	1800	460	250M	PO90PO287	\$13,785	136.9	95.4	530 (1170)	2, 4, 5
120	90	1800	460	280S	PO90PO28IEC	\$15,915	134.6	95.4	690 (1530)	2, 4, 5
120	90	1200	460	280S	PO90PO387	\$17,660	139.9	95.0	690 (1530)	2, 4, 5
150	110	3600	460	280S	P110PO18IEC-2	\$19,210	160.6	95.0	730 (1610)	2, 4, 5
150	110	1800	460	280S	P110PO28IEC	\$17,962	163.8	95.8	690 (1530)	2, 4, 5
150	110	1200	460	280M	P110PO38IEC-2	\$19,052	169.5	95.8	770 (1700)	2, 4, 5
150	110	1200	460	280L	P110PO387	\$20,443	169.5	95.8	890 (1970)	2, 4, 5
175	132	3600	460	280M	P132PO18IEC-2	\$22,644	189.8	95.4	800 (1770)	1, 2, 4, 5
175	132	1800	460	280M	P132PO28IEC-2	\$20,080	196.5	95.8	740 (1640)	1, 2, 4, 5
175	132	1200	460	280L	P132PO387	\$24,645	203.5	95.8	890 (1970)	1, 2, 4, 5
200	150	3600	460	280L	P150PO187	\$26,087	215.7	95.4	860 (1900)	1, 2, 4, 5
200	150	1800	460	280L	P150PO287	\$22,287	222.4	96.2	840 (1860)	1, 2, 4, 5
200	150	1200	460	280LL	P150PO38IEC-2	\$28,240	231.2	95.8	1100 (2430)	1, 2, 4, 5
250	185	3600	460	280LL	P190PO187	\$27,831	264.9	95.8	1100 (2430)	1, 2, 4, 5
250	185	1800	460	280LL	P190PO287	\$25,907	272.7	96.2	1100 (2430)	1, 2, 4, 5

Note.

1. 50Hz F Temp. rise
2. 50Hz De-rated HP
3. For 132M Frame and below, 9leads without terminal block
4. For 160M Frame and above, 6leads with terminal block
5. FL. Amps. & FL. Eff. Are the data at 60Hz
* All Data to change without notice



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