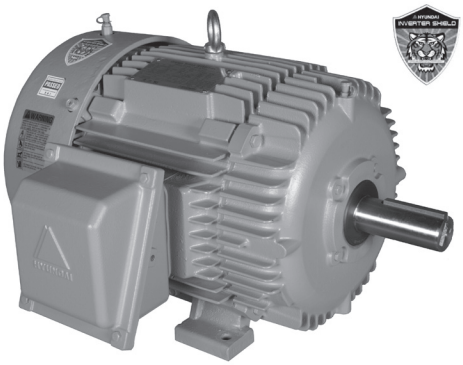
HYUNDAI CROWN TRITON™ SERIES MOTORS
IEEE-841

TEFC Enclosure ▪ Rigid Base
Three-Phase ▪ 460 Volt



Product Overview

- 1-250 HP
- 3600, 1800 and 1200 RPM
- Single voltage, 460 volt
- TEFC enclosure
- IP55 degree of protection
- Dual rated service factor
  1.15 for 40°C / 1.0 for 65°C
- Class F insulation with Class N varnish
- Rigid base
- Full compliance with IEEE-841, version 2009
- Premium efficiency
- Class B temperature rise
- NEMA design B torque
- Parker Hannifan ProTech IP66 labyrinth seals on both drive-end and opposite drive-end bearings
- Inverter duty, 10:1 CT / 1000:1 VT
- Inverter shield insulation and inverter grade magnet wire meets or exceeds NEMA MG-1 Part 31 for exceptional corona and transient protection
- IEEE-841 motor test report supplied with each motor
- CSA Certified For Class I, Division 2, Groups A, B, C, D
- Dimensions on page 105

HP	RPM	Voltage	Frame	Model Number	FL Amps (A)	FL Eff. (%)	Approx. Wt. (lbs.)	Notes
1	1800	460	143T	IEEE1-18-143T	1.6	85.5	53	
	1200	460	145T	IEEE1-12-145T	1.8	82.5	55	
1.5	3600	460	143T	IEEE1.5-36-143T	2.0	84.0	53	
	1800	460	145T	IEEE1.5-18-145T	2.2	86.5	55	
	1200	460	182T	IEEE1.5-12-182T	2.3	87.5	90	
2	3600	460	145T	IEEE2-36-145T	2.6	85.5	55	
	1800	460	145T	IEEE2-18-145T	3.0	86.5	55	
	1200	460	184T	IEEE2-12-184T	3.0	88.5	105	
3	3600	460	182T	IEEE3-36-182T	3.8	86.5	90	
	1800	460	182T	IEEE3-18-182T	3.9	89.5	90	
	1200	460	213T	IEEE3-12-213T	4.5	89.5	150	
5	3600	460	184T	IEEE5-36-184T	6.1	88.5	105	
	1800	460	184T	IEEE5-18-184T	6.5	89.5	105	
	1200	460	215T	IEEE5-12-215T	7.4	89.5	165	
7.5	3600	460	213T	IEEE7.5-36-213T	9.0	89.5	150	
	1800	460	213T	IEEE7.5-18-213T	9.5	91.7	150	
	1200	460	254T	IEEE7.5-12-254T	10.3	91.0	260	
10	3600	460	215T	IEEE10-36-215T	12.0	90.2	165	
	1800	460	215T	IEEE10-18-215T	12.8	91.7	165	
	1200	460	256T	IEEE10-12-256T	13.8	91.0	300	
15	3600	460	254T	IEEE15-36-254T	16.9	91.7	260	
	1800	460	254T	IEEE15-18-254T	18.3	92.4	260	
	1200	460	284T	IEEE15-12-284T	19.8	91.7	360	
20	3600	460	256T	IEEE20-36-256T	23.1	91.7	300	
	1800	460	256T	IEEE20-18-256T	24.8	93.0	300	
	1200	460	286T	IEEE20-12-286T	26.7	91.7	390	

R Roller bearing on drive end for belted applications

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Continued On Next Page

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HP	RPM	Voltage	Frame	Model Number	FL Amps (A)	FL Eff. (%)	Approx. Wt. (lbs.)	Notes
	3600	460	284TS	IEEE25-36-284TS	28.5	91.7	380	
25	1800	460	284T	IEEE25-18-284T	30.3	93.6	380	
	1200	460	324T	IEEE25-12-324T	31.2	93.0	550	
	3600	460	286TS	IEEE30-36-286TS	33.8	91.7	410	
30	1800	460	286T	IEEE30-18-286T	36.0	93.6	410	
	1200	460	326T	IEEE30-12-326T	37.1	93.0	560	
	3600	460	324TS	IEEE40-36-324TS	45.5	92.4	550	
40	1800	460	324T	IEEE40-18-324T	48.8	94.1	550	
	1200	460	364T	IEEE40-12-364T	48.8	94.1	780	
	3600	460	326TS	IEEE50-36-326TS	55.8	93.0	560	
50	1800	460	326T	IEEE50-18-326T	59.9	94.5	560	
	1200	460	365T	IEEE50-12-365T	60.2	94.1	840	
	3600	460	364TS	IEEE60-36-364TS	65.6	94.1	780	
60	1800	460	364T	IEEE60-18-364T	69.9	95.0	780	
	1200	460	404T	IEEE60-12-404T	71.2	94.5	1120	RB
	3600	460	365TS	IEEE75-36-365TS	79.8	94.5	820	
75	1800	460	365T	IEEE75-18-365T	85.1	95.4	820	
	1200	460	405T	IEEE75-12-405T	87.0	94.5	1220	RB
	3600	460	405TS	IEEE100-36-405TS	110.1	94.5	1110	
100	1800	460	405T	IEEE100-18-405T	114.1	95.4	1110	RB
	1800	460	405T	IEEE100-18-405TBB	114.1	95.4	1110	
	1200	460	444T	IEEE100-12-444T	116.6	95.0	1530	RB
	3600	460	444TS	IEEE125-36-444TS	139.5	95.0	1610	
125	1800	460	444T	IEEE125-18-444T	142.0	95.4	1530	RB
	1800	460	444T	IEEE125-18-444TBB	142.0	95.4	1530	
	1200	460	445T	IEEE125-12-445T	147.7	95.0	1700	RB
	3600	460	445TS	IEEE150-36-445TS	161.5	95.0	1770	
150	1800	460	445T	IEEE150-18-445T	163.8	95.8	1640	RB
	1800	460	445T	IEEE150-18-445TBB	163.8	95.8	1640	
	1200	460	447T	IEEE150-12-447T	169.5	95.8	1970	RB
	3600	460	447TS	IEEE200-36-447TS	219.3	95.4	1900	
200	1800	460	447T	IEEE200-18-447T	222.4	96.2	1860	RB
	1800	460	447T	IEEE200-18-447TBB	222.4	96.2	1860	
	1200	460	449T	IEEE200-12-449T	231.2	95.8	2430	RB
	3600	460	449TS	IEEE250-36-449TS	276.6	95.8	2430	
250	1800	460	449T	IEEE250-18-449T	281.7	96.2	2430	RB
	1800	460	449t	IEEE250-18-449TBB	281.7	96.2	2430	

R Roller bearing on drive end for belted applications

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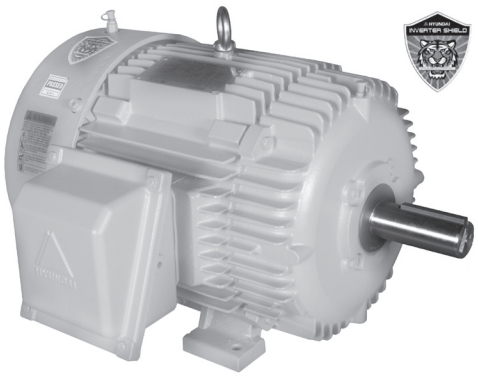
HYUNDAI CROWN TRITON™ SERIES MOTORS
IEEE-841 ▪ WHITE EPOXY PAINT

TEFC Enclosure ▪ Rigid Base
Three-Phase ▪ 460 Volt



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- Rigid base
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- Premium efficiency
- Class B temperature rise
- NEMA design B torque
- White Epoxy Paint
- Suitable for use in USDA inspected facilities
- Conforms to AWWA D102 Outside Coating Systems:
  #4 (OCS-4), #5 (OCS-5) and #6 (OCS-6)
- Acceptable for use in high performance architectural applications
- Parker Hannifan ProTech IP66 labyrinth seals on both drive-end and opposite drive-end bearings
- Inverter duty, 10:1 CT / 1000:1 VT
- Inverter shield insulation and inverter grade magnet wire meets or exceeds NEMA MG-1 Part 31 for exceptional corona and transient protection
- IEEE-841 motor test report supplied with each motor
- CSA Certified For Class I, Division 2, Groups A, B, C, D
- Please allow additional 5-7 business days delivery
- Dimensions on page 105

HP	RPM	Voltage	Frame	Model Number	FL Amps (A)	FL Eff. (%)	Approx. Wt. (lbs.)	Notes
1	1800	460	143T	IEEE1-18-143T-EPOXY	1.6	85.5	53	
	1200	460	145T	IEEE1-12-145T-EPOXY	1.8	82.5	55	
1.5	3600	460	143T	IEEE1.5-36-143T-EPOXY	2.0	84.0	53	
	1800	460	145T	IEEE1.5-18-145T-EPOXY	2.2	86.5	55	
	1200	460	182T	IEEE1.5-12-182T-EPOXY	2.3	87.5	90	
2	3600	460	145T	IEEE2-36-145T-EPOXY	2.6	85.5	55	
	1800	460	145T	IEEE2-18-145T-EPOXY	3.0	86.5	55	
	1200	460	184T	IEEE2-12-184T-EPOXY	3.0	88.5	105	
3	3600	460	182T	IEEE3-36-182T-EPOXY	3.8	86.5	90	
	1800	460	182T	IEEE3-18-182T-EPOXY	3.9	89.5	90	
	1200	460	213T	IEEE3-12-213T-EPOXY	4.5	89.5	150	
5	3600	460	184T	IEEE5-36-184T-EPOXY	6.1	88.5	105	
	1800	460	184T	IEEE5-18-184T-EPOXY	6.5	89.5	105	
	1200	460	215T	IEEE5-12-215T-EPOXY	7.4	89.5	165	
7.5	3600	460	213T	IEEE7.5-36-213T-EPOXY	9.0	89.5	150	
	1800	460	213T	IEEE7.5-18-213T-EPOXY	9.5	91.7	150	
	1200	460	254T	IEEE7.5-12-254T-EPOXY	10.3	91.0	260	
10	3600	460	215T	IEEE10-36-215T-EPOXY	12.0	90.2	165	
	1800	460	215T	IEEE10-18-215T-EPOXY	12.8	91.7	165	
	1200	460	256T	IEEE10-12-256T-EPOXY	13.8	91.0	300	
15	3600	460	254T	IEEE15-36-254T-EPOXY	16.9	91.7	260	
	1800	460	254T	IEEE15-18-254T-EPOXY	18.3	92.4	260	
	1200	460	284T	IEEE15-12-284T-EPOXY	19.8	91.7	360	

R Roller bearing on drive end for belted applications

When using any motor with a variable frequency drive, take precautions to eliminate or reduce shaft currents in order to prolong bearing life.

Continued On Next Page

HYUNDAI CROWN TRITON™ SERIES MOTORS
IEEE-841 ▪ WHITE EPOXY PAINT

TEFC Enclosure ▪ Rigid Base
Three-Phase ▪ 460 Volt

HP	RPM	Voltage	Frame	Model Number	FL Amps (A)	FL Eff. (%)	Approx. Wt. (lbs.)	Notes
	3600	460	256T	IEEE20-36-256T-EPOXY	23.1	91.7	300	
20	1800	460	256T	IEEE20-18-256T-EPOXY	24.8	93.0	300	
	1200	460	286T	IEEE20-12-286T-EPOXY	26.7	91.7	390	
	3600	460	284TS	IEEE25-36-284TS-EPOXY	28.5	91.7	380	
25	1800	460	284T	IEEE25-18-284T-EPOXY	30.3	93.6	380	
	1200	460	324T	IEEE25-12-324T-EPOXY	31.2	93.0	550	
	3600	460	286TS	IEEE30-36-286TS-EPOXY	33.8	91.7	410	
30	1800	460	286T	IEEE30-18-286T-EPOXY	36.0	93.6	410	
	1200	460	326T	IEEE30-12-326T-EPOXY	37.1	93.0	560	
	3600	460	324TS	IEEE40-36-324TS-EPOXY	45.5	92.4	550	
40	1800	460	324T	IEEE40-18-324T-EPOXY	48.8	94.1	550	
	1200	460	364T	IEEE40-12-364T-EPOXY	48.8	94.1	780	
	3600	460	326TS	IEEE50-36-326TS-EPOXY	55.8	93.0	560	
50	1800	460	326T	IEEE50-18-326T-EPOXY	59.9	94.5	560	
	1200	460	365T	IEEE50-12-365T-EPOXY	60.2	94.1	840	
	3600	460	364TS	IEEE60-36-364TS-EPOXY	65.6	94.1	780	
60	1800	460	364T	IEEE60-18-364T-EPOXY	69.9	95.0	780	
	1200	460	404T	IEEE60-12-404T-EPOXY	71.2	94.5	1120	R
	3600	460	365TS	IEEE75-36-365TS-EPOXY	79.8	94.5	820	
75	1800	460	365T	IEEE75-18-365T-EPOXY	85.1	95.4	820	
	1200	460	405T	IEEE75-12-405T-EPOXY	87.0	94.5	1220	R
	3600	460	405TS	IEEE100-36-405TS-EPOXY	110.1	94.5	1110	
100	1800	460	405T	IEEE100-18-405T-EPOXY	114.1	95.4	1110	R
	1800	460	405T	IEEE100-18-405TBB-EPOXY	114.1	95.4	1110	
	1200	460	444T	IEEE100-12-444T-EPOXY	116.6	95.0	1530	R
	3600	460	444TS	IEEE125-36-444TS-EPOXY	139.5	95.0	1610	
125	1800	460	444T	IEEE125-18-444T-EPOXY	142.0	95.4	1530	R
	1800	460	444T	IEEE125-18-444TBB-EPOXY	142.0	95.4	1530	
	1200	460	445T	IEEE125-12-445T-EPOXY	147.7	95.0	1700	R
	3600	460	445TS	IEEE150-36-445TS-EPOXY	161.5	95.0	1770	
150	1800	460	445T	IEEE150-18-445T-EPOXY	163.8	95.8	1640	R
	1800	460	445T	IEEE150-18-445TBB-EPOXY	163.8	95.8	1640	
	1200	460	447T	IEEE150-12-447T-EPOXY	169.5	95.8	1970	R
	3600	460	447TS	IEEE200-36-447TS-EPOXY	219.3	95.4	1900	
200	1800	460	447T	IEEE200-18-447T-EPOXY	222.4	96.2	1860	R
	1800	460	447T	IEEE200-18-447TBB-EPOXY	222.4	96.2	1860	
	1200	460	449T	IEEE200-12-449T-EPOXY	231.2	95.8	2430	R
250	3600	460	449TS	IEEE250-36-449TS-EPOXY	276.6	95.8	2430	
	1800	460	449T	IEEE250-18-449T-EPOXY	281.7	96.2	2430	R

R Roller bearing on drive end for belted applications

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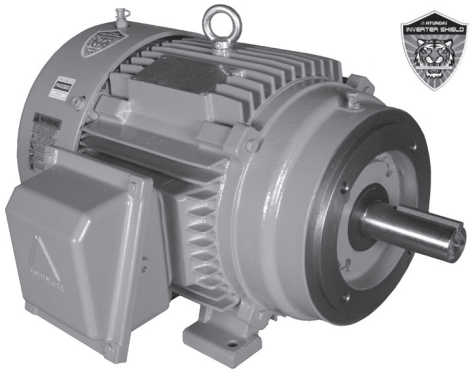
IEEE-841

TEFC Enclosure ▪ C-Face ▪ Rigid Base
Three-Phase ▪ 460 Volt



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1	1800	460	143TC	IEEE1-18-143TC	1.6	85.5	53	
1.5	3600	460	143TC	IEEE1.5-36-143TC	2.0	84.0	53	
	1800	460	145TC	IEEE1.5-18-145TC	2.2	86.5	55	
2	3600	460	145TC	IEEE2-36-145TC	2.6	85.5	55	
	1800	460	145TC	IEEE2-18-145TC	3.0	86.5	55	
3	3600	460	182TC	IEEE3-36-182TC	3.8	86.5	90	
	1800	460	182TC	IEEE3-18-182TC	3.9	89.5	90	
5	3600	460	184TC	IEEE5-36-184TC	6.1	88.5	105	
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15	3600	460	254TC	IEEE15-36-254TC	16.9	91.7	260	
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20	3600	460	256TC	IEEE20-36-256TC	23.1	91.7	300	
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25	3600	460	284TSC	IEEE25-36-284TSC	28.5	91.7	380	
	1800	460	284TC	IEEE25-18-284TC	30.3	93.6	380	
30	3600	460	286TSC	IEEE30-36-286TSC	33.8	91.7	410	
	1800	460	286TC	IEEE30-18-286TC	36.0	93.6	410	
40	3600	460	324TSC	IEEE40-36-324TSC	45.5	92.4	550	
	1800	460	324TC	IEEE40-18-324TC	48.8	94.1	550	
50	3600	460	326TSC	IEEE50-36-326TSC	55.8	93.0	560	
	1800	460	326TC	IEEE50-18-326TC	59.9	94.5	560	
60	1800	460	364TC	IEEE60-18-364TC	69.9	95.0	780	
75	1800	460	365TC	IEEE75-18-365TC	85.1	95.4	820	
100	1800	460	405TC	IEEE100-18-405TC	114.1	95.4	1110	

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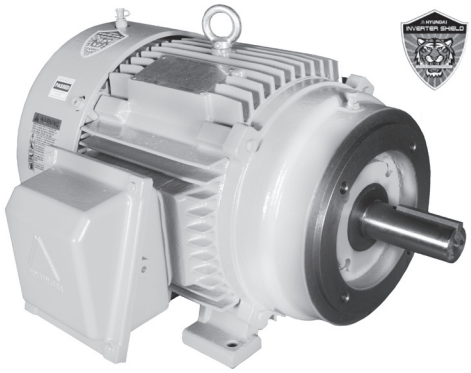

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	1800	460	145TC	IEEE2-18-145TC-EPOXY	3.0	86.5	55	
3	3600	460	182TC	IEEE3-36-182TC-EPOXY	3.8	86.5	90	
	1800	460	182TC	IEEE3-18-182TC-EPOXY	3.9	89.5	90	
5	3600	460	184TC	IEEE5-36-184TC-EPOXY	6.1	88.5	105	
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10	3600	460	215TC	IEEE10-36-215TC-EPOXY	12.0	90.2	165	
	1800	460	215TC	IEEE10-18-215TC-EPOXY	12.8	91.7	165	
15	3600	460	254TC	IEEE15-36-254TC-EPOXY	16.9	91.7	260	
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	1800	460	326TC	IEEE50-18-326TC-EPOXY	59.9	94.5	560	
60	1800	460	364TC	IEEE60-18-364TC-EPOXY	69.9	95.0	780	
75	1800	460	365TC	IEEE75-18-365TC-EPOXY	85.1	95.4	820	
100	1800	460	405TC	IEEE100-18-405TC-EPOXY	114.1	95.4	1110	

R Roller bearing on drive end for belted applications

When using any motor with a variable frequency drive, take precautions to eliminate or reduce shaft currents in order to prolong bearing life.