

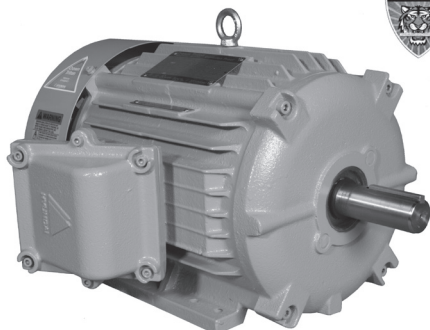
HYUNDAI CROWN TRITON™ SERIES MOTORS EXPLOSION PROOF ▪ INVERTER DUTY

TEXP Enclosure ▪ Rigid Base

Three-Phase ▪ 208-230/460 and 460 Volt



HYUNDAI
EXPLOSION PROOF



Product Overview

- 1-250 HP
- 3600, 1800 and 1200 RPM
- 208-230/460 volt (1-125 HP)
- 460 volt (150-250 HP)
- TEFC Enclosure
- 1.15 service factor
- Class F insulation
- Class B temperature rise
- Rigid base
- Premium efficiency
- NEMA design B
- Suitable for 50 hz operation with 1.0 service factor
- Inverter duty, 6:1 CT (Constant) / 10:1 CT (intermittent-1 Hour) / 10:1 VT
- Inverter shield insulation and inverter grade magnet wire meets or exceeds NEMA MG-1 Part 31 for exceptional corona and transient protection
- Cast iron frame and conduit box
- Suitable for part winding start on low voltage (1-125 HP)
- Suitable for wye-delta start (15-250 HP)
- Unique multiple rating system for 40° and 55°C ambient
 - 143T-215T: T2C at 40°C, T2B at 55°C, T4 when thermostat is connected
 - 254T-286T: T2D at 40°C, T2C at 55°C, T4 when thermostat is connected
 - 324T-444T: T3 at 40°C, T2D at 55°C, T4 when thermostat is connected
 - 445T-449T: T3 at 40°C, T2D at 55°C, T4 when thermostat connected and 1.0 SF
- Class I, Division 1, Groups C & D, UL Certification
- CC # 038A
- CSA Energy Certified
- Dimensions on page 107



HP	RPM	Voltage	Frame	Model Number	FL Amps (A)	FL Eff. (%)	Approx. Wt. (lbs.)	Notes
1	1800	208-230/460	143T	IXHHI1-18-143T	1.6	85.5	64	
	1200	208-230/460	145T	IXHHI1-12-145T	1.8	82.5	66	
1.5	3600	208-230/460	143T	IXHHI1.5-36-143T	2.0	84.0	64	
	1800	208-230/460	145T	IXHHI1.5-18-145T	2.2	86.5	66	
	1200	208-230/460	182T	IXHHI1.5-12-182T	2.3	87.5	112	
2	3600	208-230/460	145T	IXHHI2-36-145T	2.6	85.5	66	
	1800	208-230/460	145T	IXHHI2-18-145T	3.0	86.5	66	
	1200	208-230/460	184T	IXHHI2-12-184T	3.0	88.5	121	
3	3600	208-230/460	182T	IXHHI3-36-182T	3.8	86.5	112	
	1800	208-230/460	182T	IXHHI3-18-182T	3.9	89.5	112	
	1200	208-230/460	213T	IXHHI3-12-213T	4.5	89.5	160	
5	3600	208-230/460	184T	IXHHI5-36-184T	6.1	88.5	121	
	1800	208-230/460	184T	IXHHI5-18-184T	6.5	89.5	121	
	1200	208-230/460	215T	IXHHI5-12-215T	7.4	89.5	180	
7.5	3600	208-230/460	213T	IXHHI7.5-36-213T	9.0	89.5	160	
	1800	208-230/460	213T	IXHHI7.5-18-213T	9.5	91.7	160	
	1200	208-230/460	254T	IXHHI7.5-12-254T	10.3	91.0	310	
10	3600	208-230/460	215T	IXHHI10-36-215T	12.0	90.2	180	
	1800	208-230/460	215T	IXHHI10-18-215T	12.8	91.7	180	
	1200	208-230/460	256T	IXHHI10-12-256T	13.8	91.0	350	
15	3600	208-230/460	254T	IXHHI15-36-254T	16.9	91.7	310	
	1800	208-230/460	254T	IXHHI15-18-254T	18.3	92.4	310	
	1200	208-230/460	284T	IXHHI15-12-284T	19.8	91.7	440	
20	3600	208-230/460	256T	IXHHI20-36-256T	23.1	91.7	350	
	1800	208-230/460	256T	IXHHI20-18-256T	24.8	93.0	350	
	1200	208-230/460	286T	IXHHI20-12-286T	26.7	91.7	480	

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 EXPLOSION PROOF ▪ INVERTER DUTY

TEXP Enclosure ▪ Rigid Base

Three-Phase ▪ 208-230/460 and 460 Volt



HP	RPM	Voltage	Frame	Model Number	FL Amps (A)	FL Eff. (%)	Approx. Wt. (lbs.)	Notes
25	3600	208-230/460	284TS	IXHHI25-36-284TS	28.5	91.7	440	
	1800	208-230/460	284T	IXHHI25-18-284T	30.3	93.6	440	
	1200	208-230/460	324T	IXHHI25-12-324T	31.2	93.0	840	
30	3600	208-230/460	286TS	IXHHI30-36-286TS	33.8	91.7	480	
	1800	208-230/460	286T	IXHHI30-18-286T	36.0	93.6	480	
	1200	208-230/460	326T	IXHHI30-12-326T	37.1	93.0	820	
40	3600	208-230/460	324TS	IXHHI40-36-324TS	45.5	92.4	800	
	1800	208-230/460	324T	IXHHI40-18-324T	48.8	94.1	820	
	1200	208-230/460	364T	IXHHI40-12-364T	48.8	94.1	1113	
50	3600	208-230/460	326TS	IXHHI50-36-326TS	55.8	93.0	820	
	1800	208-230/460	326T	IXHHI50-18-326T	59.9	94.5	840	
	1200	208-230/460	365T	IXHHI50-12-365T	60.2	94.1	1173	
60	3600	208-230/460	364TS	IXHHI60-36-364TS	65.6	94.1	1047	
	1800	208-230/460	364T	IXHHI60-18-364T	69.9	95.0	1113	
	1200	208-230/460	404T	IXHHI60-12-404T	71.2	94.5	1532	
75	3600	208-230/460	365TS	IXHHI75-36-365TS	79.8	94.5	1087	
	1800	208-230/460	365T	IXHHI75-18-365T	85.1	95.4	1153	
	1200	208-230/460	405T	IXHHI75-12-405T	87.0	94.5	1830	
100	3600	208-230/460	405TS	IXHHI100-36-405TS	110.1	94.5	1852	
	1800	208-230/460	405T	IXHHI100-18-405TBB	114.1	95.4	1830	
	1200	208-230/460	444T	IXHHI100-12-444TBB	116.6	95.0	2116	
125	3600	208-230/460	444TS	IXHHI125-36-444TS	139.5	95.0	2006	
	1800	208-230/460	444T	IXHHI125-18-444TBB	142.0	95.4	2116	
	1200	208-230/460	445T	IXHHI125-12-445TBB	147.7	95.0	2293	
150	3600	460	445TS	IXHHI150-36-445TS	161.5	95.0	2249	
	1800	460	445T	IXHHI150-18-445TBB	163.8	95.8	2293	
	1200	460	447T	IXHHI150-12-447TBB	169.5	95.8	2756	
200	3600	460	447TS	IXHHI200-36-447TS	219.3	95.4	2690	
	1800	460	447T	IXHHI200-18-447TBB	222.4	96.2	2756	
	1200	460	449T	IXHHI200-12-449TBB	231.2	95.8	3086	
250	3600	460	449TS	IXHHI250-36-449TS	276.6	95.8	3020	
	1800	460	449T	IXHHI250-18-449TBB	281.7	96.2	3086	

HYUNDAI
EXPLOSION PROOF

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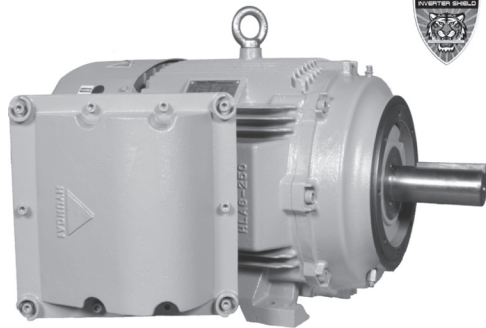


HYUNDAI CROWN TRITON™ SERIES MOTORS EXPLOSION PROOF ▪ INVERTER DUTY

TEXP Enclosure ▪ C-Face ▪ Rigid Base
Three-Phase ▪ 208-230/460 Volt



HYUNDAI
EXPLOSION PROOF



Product Overview

- 2-100 HP, 1800 RPM
- 75-100 HP, 3600 RPM
- 208-230/460 volt
- TEXP enclosure
- 1.15 service factor
- Class F insulation
- Class B temperature rise
- C-face - rigid base
- Premium efficiency
- NEMA design B
- Suitable for 50 hz operation with 1.0 service factor
- Inverter duty, 6:1 CT (Constant) / 10:1 CT (intermittent-1 Hour) / 10:1 VT
- Inverter shield insulation and inverter grade magnet wire meets or exceeds NEMA MG-1 Part 31 for exceptional corona and transient protection
- Cast iron frame and conduit box
- Suitable for part winding start on low voltage
- Suitable for wye-delta start (15-100 HP)
- Unique multiple rating system for 40° and 55°C ambient
 - 145T-215T: T2C at 40°C, T2B at 55°C, T4 when thermostat is connected
 - 254T-286T: T2D at 40°C, T2C at 55°C, T4 when thermostat is connected
 - 324T-405T: T3 at 40°C, T2D at 55°C, T4 when thermostat is connected
- Class I, Division 1, Groups C & D, UL Certification
- CC # 038A
- CSA Energy Certified
- Dimensions on page 108



HP	RPM	Voltage	Frame	Model Number	FL Amps (A)	FL Eff. (%)	Approx. Wt. (lbs.)	Notes
2	1800	208-230/460	145TC	IXHHI2-18-145TC	3.0	86.5	66	
3	1800	208-230/460	182TC	IXHHI3-18-182TC	3.9	89.5	112	
5	1800	208-230/460	184TC	IXHHI5-18-184TC	6.5	89.5	121	
	1200	208-230/460	215TC	IXHHI5-12-215TC	7.4	89.5	180	
7.5	3600	208-230/460	213TC	IXHHI7.5-36-213TC	9.0	89.5	160	
	1800	208-230/460	213TC	IXHHI7.5-18-213TC	9.5	91.7	160	
	1200	208-230/460	254TC	IXHHI7.5-12-254TC	10.3	91.0	310	
10	3600	208-230/460	215TC	IXHHI10-36-215TC	12.0	90.2	180	
	1800	208-230/460	215TC	IXHHI10-18-215TC	12.8	91.7	180	
	1200	208-230/460	256TC	IXHHI10-12-256TC	13.8	91.0	350	
15	3600	208-230/460	254TC	IXHHI15-36-254TC	16.9	91.7	310	
	1800	208-230/460	254TC	IXHHI15-18-254TC	18.3	92.4	310	
	1200	208-230/460	284TC	IXHHI15-12-284TC	19.8	91.7	440	
20	3600	208-230/460	256TC	IXHHI20-36-256TC	23.1	91.7	350	
	1800	208-230/460	256TC	IXHHI20-18-256TC	24.8	93.0	350	
	1200	208-230/460	286TC	IXHHI20-12-286TC	26.7	91.7	480	
25	3600	208-230/460	284TSC	IXHHI25-36-284TSC	28.5	91.7	440	
	1800	208-230/460	284TC	IXHHI25-18-284TC	30.3	93.6	440	
30	3600	208-230/460	286TSC	IXHHI30-36-286TSC	33.8	91.7	480	
	1800	208-230/460	286TC	IXHHI30-18-286TC	36.0	93.6	480	
40	3600	208-230/460	324TSC	IXHHI40-36-324TSC	45.5	92.4	800	
	1800	208-230/460	324TC	IXHHI40-18-324TC	48.8	94.1	820	
50	3600	208-230/460	326TSC	IXHHI50-36-326TSC	55.8	93.0	820	
	1800	208-230/460	326TC	IXHHI50-18-326TC	59.9	94.5	840	
60	3600	208-230/460	364TSC	IXHHI60-36-364TSC	65.6	94.1	1047	
	1800	208-230/460	364TC	IXHHI60-18-364TC	69.9	95.0	1113	
75	3600	208-230/460	365TSC	IXHHI75-36-365TSC	79.8	94.5	1087	
	1800	208-230/460	365TC	IXHHI75-18-365TC	85.1	95.4	1153	
100	3600	208-230/460	405TSC	IXHHI100-36-405TSC	110.1	94.5	1852	
	1800	208-230/460	405TC	IXHHI100-18-405TC	114.1	95.4	1830	

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

