

MODEL NUMBER	HHI100-12-444T		
HORSEPOWER	100		
RPM / POLES	1200 / 6		
VOLTAGE / PHASE	230 / 460 V / 3		
FRAME	444T		
ENCLOSURE / DEGREE OF PROTECTION	TEFC / IP54		
FREQUENCY	60 HZ		
FULL LOAD SPEED	1185 RPM		
SERVICE FACTOR	1.15 SF at 40° C / 1.0 SF at 65° C		
INSULATION CLASS	F Class N Varnish		
FULL LOAD AMPS; 230 / 460	233.1 / 116.6 A		
LOCKED ROTOR CURRENT (% Full Load)	680 / 680 %		
NEMA CODE LETTER	G		
EFFICIENCY / POWER FACTOR	<u>LOAD</u>	<u>EFF.</u>	<u>P.F.</u>
	100 %	95.0 %	85.0 %
	75 %	95.2 %	81.4 %
	50 %	94.9 %	72.6 %
DUTY CYCLE	S1 / Continuous		
TORQUE	<u>FULL LOAD</u>	<u>LRT</u>	<u>BDT</u>
	445.9 lb.ft.	140 %	220 %
NEMA DESIGN	B		
MOMENT OF INERTIA	<u>LOAD (Max.)</u>	<u>MOTOR</u>	
	3008.432 lb.ft. ²	73.410 lb.ft. ²	
SOUND PRESSURE LEVEL (No Load 1 M From Motor)	78 dB(A)		
NUMBER OF STARTS (Hot / Cold)	2 Hot / 3 Cold		
MAX. AMBIENT TEMPERATURE	40° C at 1.15 SF / 65° C at 1.0 SF		
MAX. ELEVATION	3300 Ft. Above Sea Level		
TEMPERATURE RISE (At Full Load)	80° C		
DRIVE-END BEARING	NU318		
OPPOSITE DRIVE-END BEARING	6316C3		
GREASE TYPE	Mobil Polyrex EM		
MOUNTING	F1 (F2 Suitable), W6, W8, B3, V5, V6		
ROTATION	Bi-Directional		
APPROXIMATE WEIGHT	1530 lbs.		
AREA CLASSIFICATION	Class I, Division 2, Groups A, B, C, D		
INVERTER RATING	10:1 CT / 20:1 VT		
SPECIFICATION - In Accordance With	NEMA, CSA		



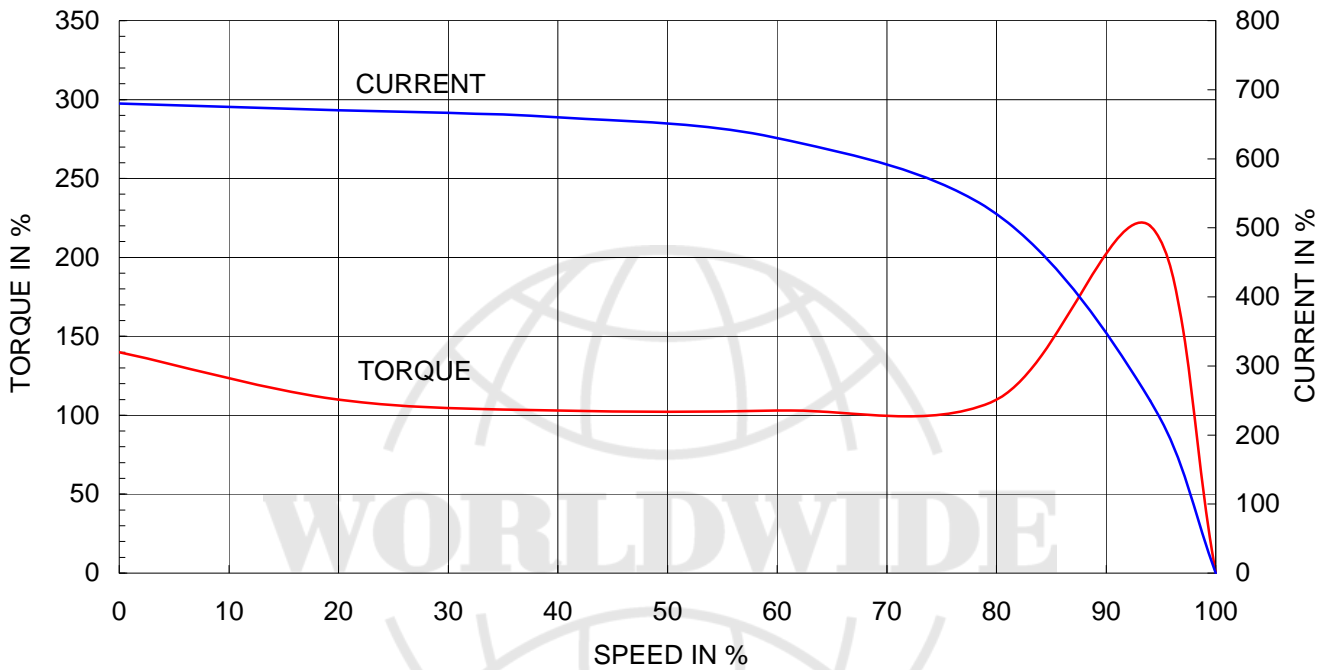
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Type	: PLP
Full Load Torque	: 445.9 lb.ft
Motor moment of Inertia (J)	: 73.410 lb.ft ²
Load moment of Inertia (J)	: 3008.432 lb.ft ²

75 kW	100 HP	60 Hz	
6 P	Rated Speed	: 1185 RPM	
Rated Voltage	575V	460V	230V
Full Load Current	93.3A	116.6A	233.1A

SPEED VS TORQUE & CURRENT CURVE



OUTPUT VS EFF., P.F & CURRENT CURVE

