

MODEL NUMBER	HHI125-18-444T-F2		
HORSEPOWER	125		
RPM / POLES	1800 / 4		
VOLTAGE / PHASE	230 / 460 V / 3		
FRAME	444T		
ENCLOSURE / DEGREE OF PROTECTION	TEFC / IP55		
FREQUENCY	60 HZ		
FULL LOAD SPEED	1785 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	284.1 / 142.0 A Usable On 208 V At 314 A		
LOCKED ROTOR CURRENT (% Full Load)	700 / 700 %		
NEMA CODE LETTER	G		
EFFICIENCY / POWER FACTOR	<u>LOAD</u>	<u>EFF.</u>	<u>P.F.</u>
	100 %	95.4 %	88.0 %
	75 %	95.5 %	86.2 %
	50 %	94.6 %	80.6 %
DUTY CYCLE	S1 / Continuous		
TORQUE	<u>FULL LOAD</u>	<u>LRT</u>	<u>BDT</u>
	375.0 lb.ft.	140 %	220 %
NEMA DESIGN	B		
MOMENT OF INERTIA	<u>LOAD (Max.)</u>	<u>MOTOR</u>	
	1507.479 lb.ft. ²	52.510 lb.ft. ²	
SOUND PRESSURE LEVEL (No Load 1 M From Motor)	83 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	F2 (F1 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 - Meets NEMA MG1 Part 31		
SPECIFICATION - In Accordance With	NEMA, CSA		



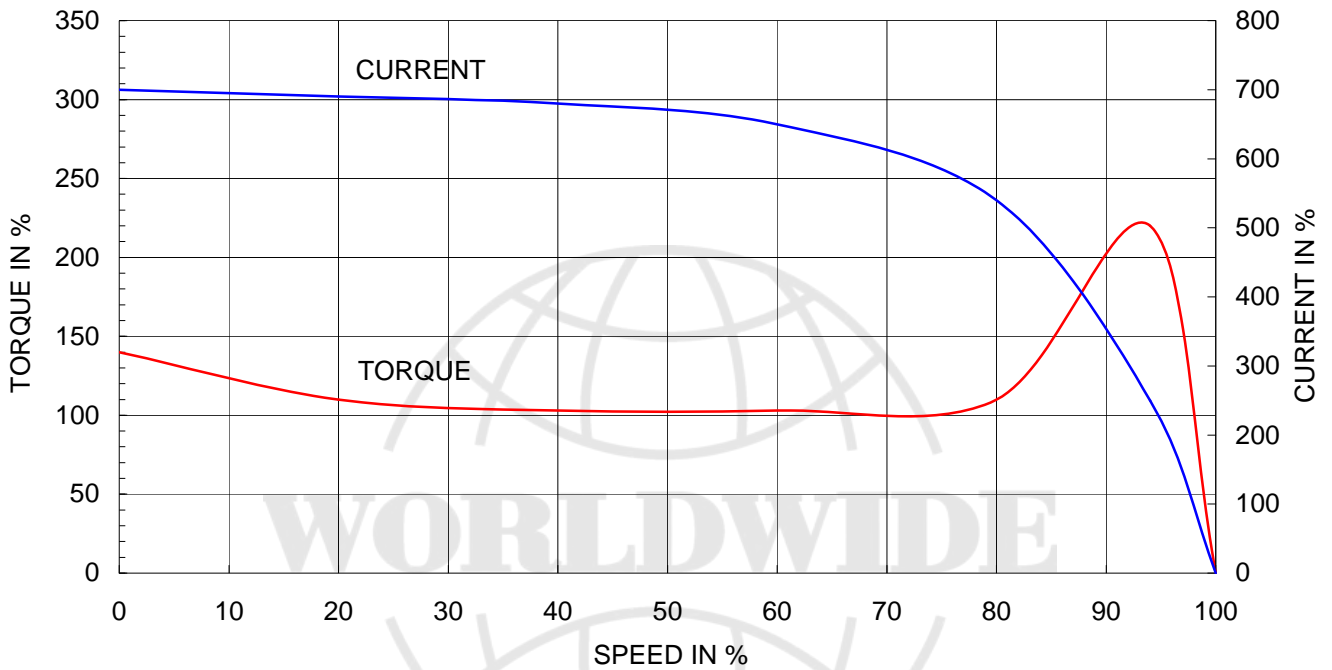
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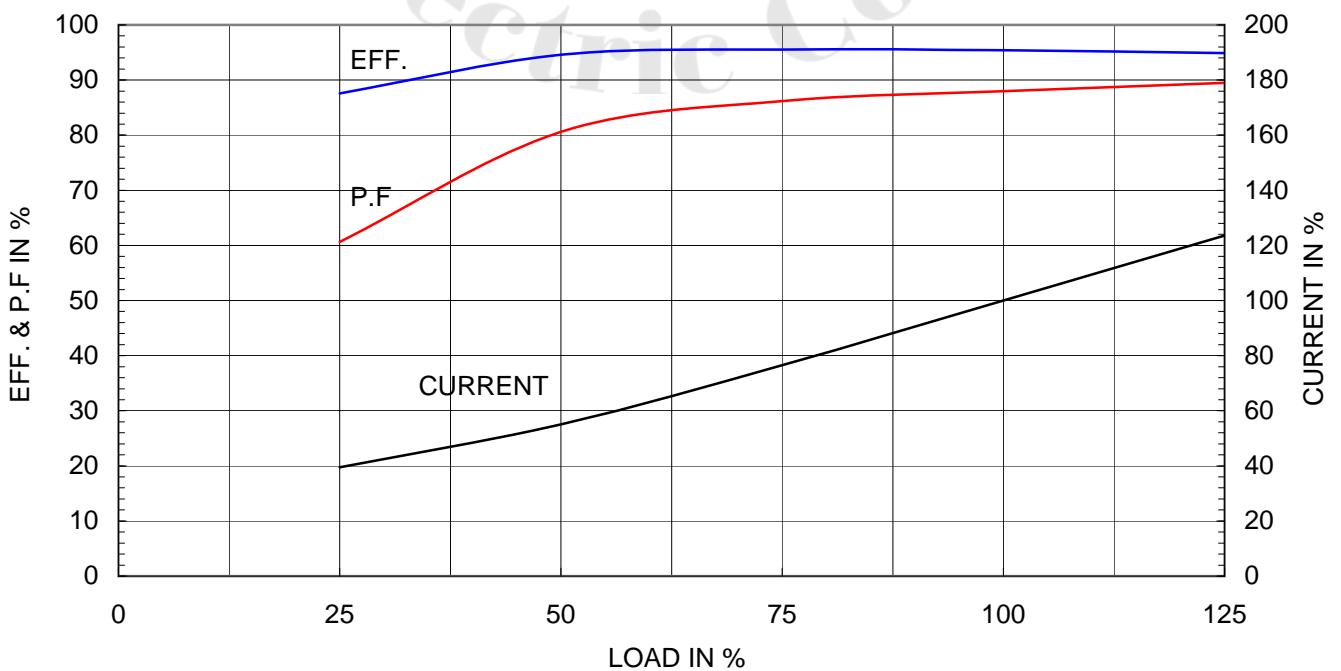
Type	: PLP
Full Load Torque	: 375.0 lb.ft
Motor moment of Inertia (J)	: 52.510 lb.ft ²
Load moment of Inertia (J)	: 1507.479 lb.ft ²

95 kW	125 HP	60 Hz	
4 P	Rated Speed	: 1785 RPM	
Rated Voltage	575V	460V	230V
Full Load Current	113.6A	142.0A	284.1A

SPEED VS TORQUE & CURRENT CURVE



OUTPUT VS EFF., P.F & CURRENT CURVE





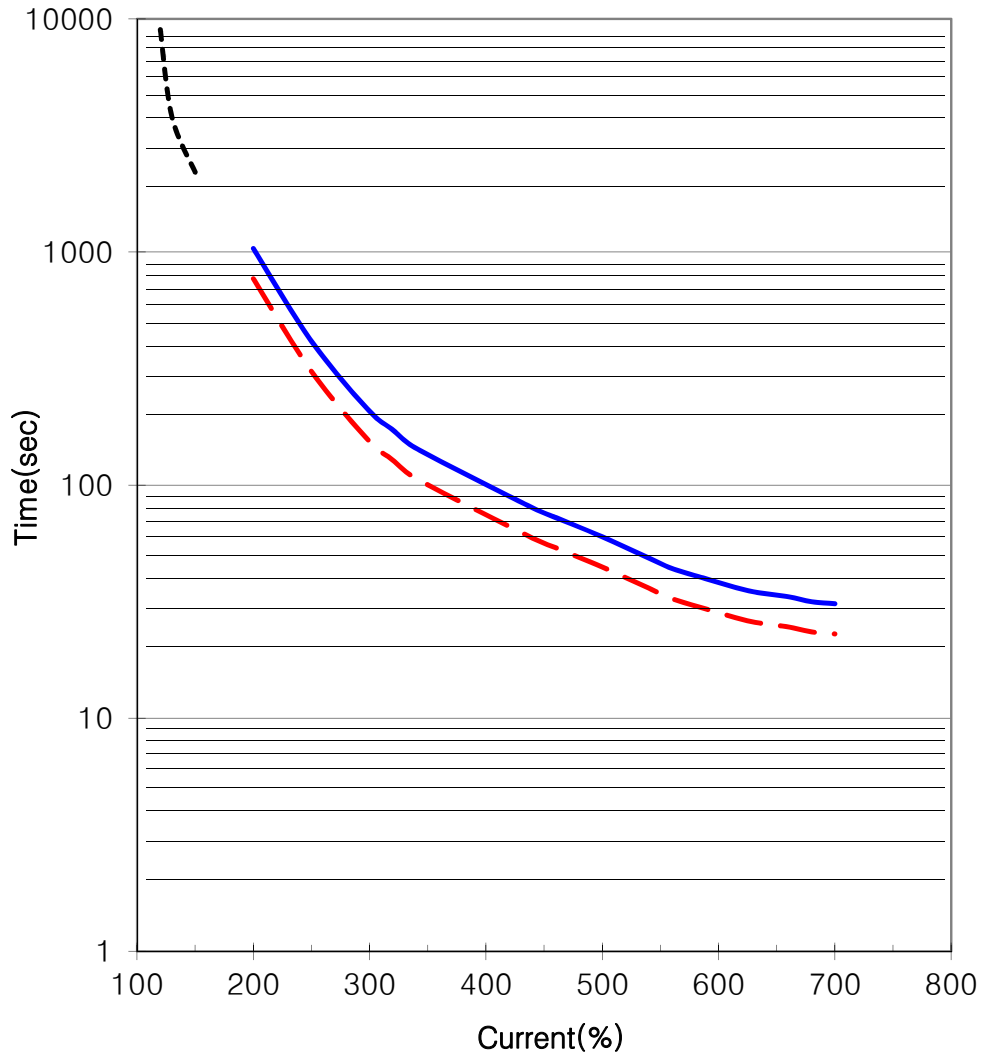
THERMAL LIMIT & TIME CURRENT CURVE

CURVE NO.

T-PLP125-18-444T-F2

Type :	PLP125-18-444T	
FULL LOAD TORQUE :	375.0	lb.ft
J OF LOAD :	-	lb.ft ²
J OF MOTOR :	52.5	lb.ft ²

125	HP	4	P	60	Hz
RATED SPEED :		1785 rpm			
VOLTAGE		460 V	575 V		
RATED CURRENT		142.0A	113.6A		



— THERMAL LIMIT CURVE AT COLD CONDITION
- - THERMAL LIMIT CURVE AT HOT CONDITION

STARTING TIME	SAFE STALL TIME
- at rated voltage starting	23 sec. at Hot condition
- at 80% of rated voltage starting	31 sec. at Cold condition

