

MODEL NUMBER	IEEE3-36-182TC		
HORSEPOWER	3		
RPM / POLES	3600 / 2		
VOLTAGE / PHASE	460 / 3		
FRAME	182TC		
ENCLOSURE / DEGREE OF PROTECTION	TEFC / IP56		
FREQUENCY	60 HZ		
FULL LOAD SPEED	3515 RPM		
SERVICE FACTOR	1.15		
INSULATION CLASS	F Class N Varnish		
FULL LOAD AMPS; 460	3.8 A		
LOCKED ROTOR CURRENT (% Full Load)	760 %		
NEMA CODE LETTER	J		
EFFICIENCY / POWER FACTOR	<u>LOAD</u>	<u>EFF.</u>	<u>P.F.</u>
	100 %	86.5 %	85.0 %
	75 %	86.7%	81.3 %
	50 %	83.0 %	73.3 %
DUTY CYCLE	S1 / Continuous		
TORQUE	<u>FULL LOAD</u>	<u>LRT</u>	<u>BDT</u>
	4.4 lb.ft.	190 %	260 %
NEMA DESIGN	B		
MOMENT OF INERTIA	<u>LOAD (Max.)</u>	<u>MOTOR</u>	
	7.712 lb.ft. ²	0.071 lb.ft. ²	
SOUND PRESSURE LEVEL (No Load 1 M From Motor)	73 dB(A)		
MAX. SHAFT VIBRATION	0.08 In/Sec – Peak Velocity		
NUMBER OF STARTS (Hot / Cold)	2 Hot / 3 Cold		
MAX. AMBIENT TEMPERATURE	40° C		
MAX. ELEVATION	3300 Ft. Above Sea Level		
TEMPERATURE RISE (At Full Load)	80° C		
DRIVE-END BEARING	6206ZC3		
OPPOSITE DRIVE-END BEARING	6206ZC3		
BEARING SEAL TYPE	ProTech™ IP66 Labyrinth On DE and ODE		
GREASE TYPE	Mobil Polyrex EM		
MOUNTING	F1 (F2 Suitable), W6, W8, B3, V5, V6		
ROTATION	Bi-Directional		
APPROXIMATE WEIGHT	90 lbs		
AREA CLASSIFICATION	Class I, Division 2, Groups A, B, C, D, T3A		
PAINT	Epoxy		
INVERTER RATING	10:1 CT / 1000:1 VT		
INSULATION TYPE	Hyundai Inverter Shield, Meets NEMA MG1 Part 31		
SPECIFICATION - In Accordance With	IEEE-841, Version 2009, NEMA, CSA		



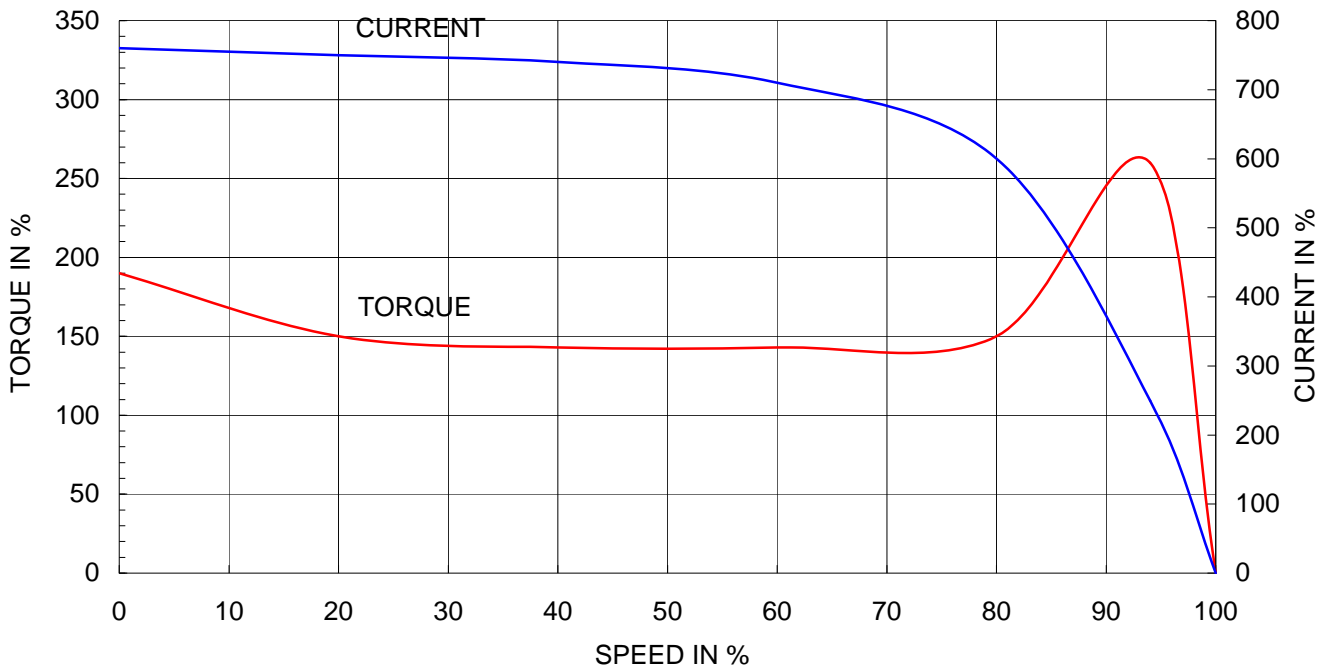
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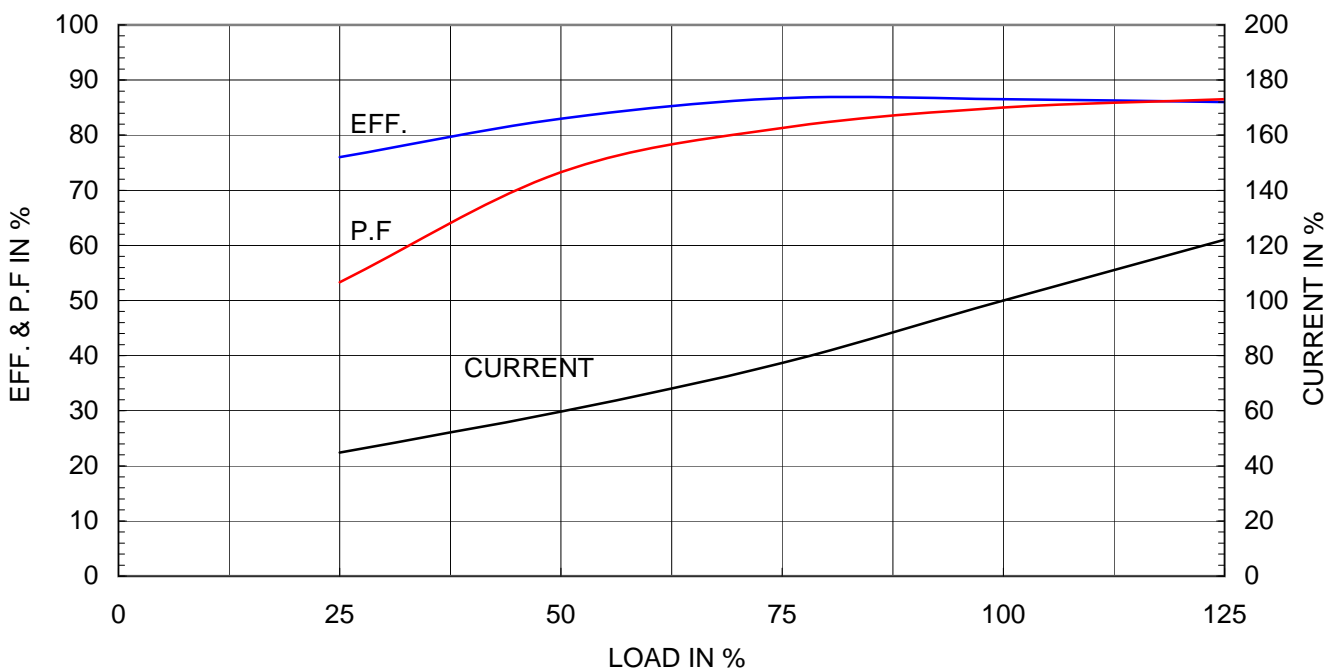
Type	:	PKP
Full Load Torque	:	4.4 lb.ft
Motor moment of Inertia (J)	:	0.071 lb.ft ²
Load moment of Inertia (J)	:	7.712 lb.ft ²

	2.2 kW	3 HP	60 Hz
	2 P	Rated Speed :	3515 RPM
Rated Voltage	575V	460V	230V
Full Load Current	3.0A	3.8A	7.6A

SPEED VS TORQUE & CURRENT CURVE



OUTPUT VS EFF., P.F & CURRENT CURVE



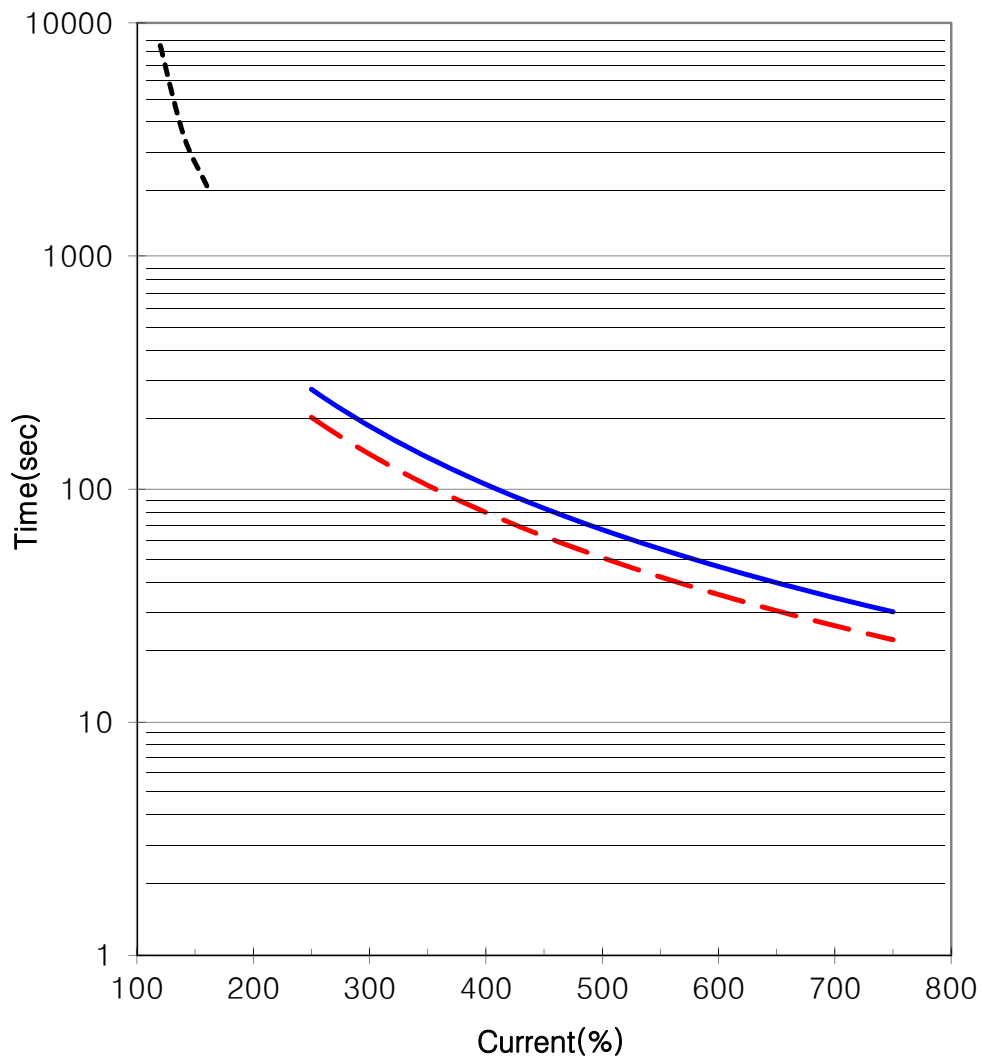


THERMAL LIMIT & TIME CURRENT CURVE

CURVE NO.

T-PKP3-36-182T

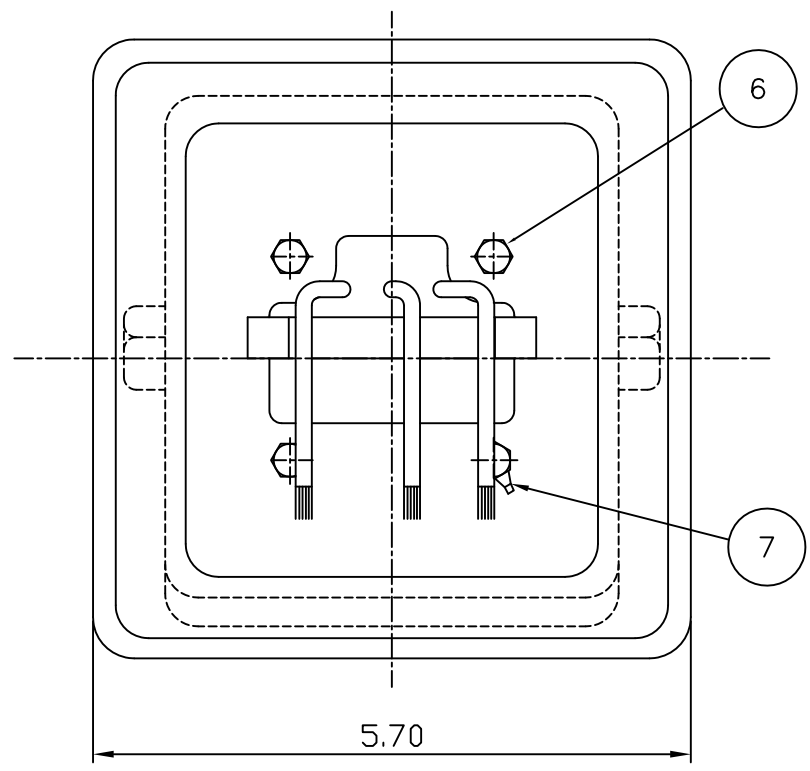
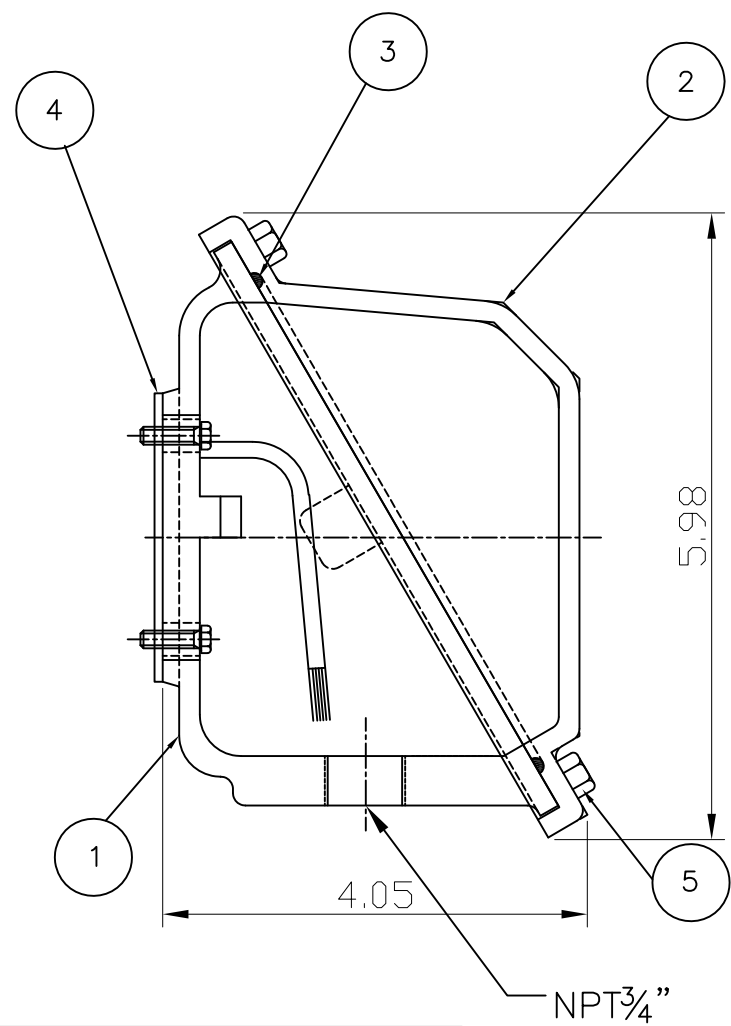
Type :	PKP3-36-182T			3	HP	2	P	60	Hz
FULL LOAD TORQUE :	4.4	lb.ft		RATED SPEED :		3515 rpm			
J OF LOAD :	-	lb.ft ²		VOLTAGE		460 V	575 V		
J OF MOTOR :	0.1	lb.ft ²		RATED CURRENT		3.8A	3.0A		



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

STARTING TIME	SAFE STALL TIME
- at rated voltage starting	22 sec. at Hot condition
- at 80% of rated voltage starting	29 sec. at Cold condition

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PT	DESCRIPTION	MATERIAL	DIMENSION	Q'TY
1	CONDUIT BOX	FC15	---	1
2	CONDUIT BOX COVER	FC15	---	1
3	O-RING / COVER	EPDM	ø4	1
4	BOX GASKET	NBR	---	1
5	COVER+BOX HEX BOLT	S45C	M6 X L20	4
6	BOX+FRAME HEX BOLT	S45C	M6 X L20	4
7	GROUND TERMINAL LUG	CU	---	1

Q'TY	DESCRIPTION	MATERIAL	DIMENSION	WEIGHT	PART NO.	REMARK	NO.
APPD BY		UNIT	INCH	SUBJECT	NEMA 182/184	CAD PROJ \ FILE	
CHKD BY		SCALE	1:1	227B8008CB2			
CHKD BY	---	PROJEC'N	(3rd Angle)	TITLE			
DSND BY	JEONG JIN SEON	DATE	2007.04.28.	TERMINAL BOX ASSEMBLY			
REF. NO		227B8004NA1		Sheet No.		of	
DWG NO		227B8004NA1		Revision No.		0	



REV	DATE	CONTENTS	REVD BY	CHKD BY	CHKD BY	APPD BY