

MODEL NUMBER	IEEE5-18-184T		
HORSEPOWER	5		
RPM / POLES	1800 / 4		
VOLTAGE / PHASE	460 / 3		
FRAME	184T		
ENCLOSURE / DEGREE OF PROTECTION	TEFC / IP56		
FREQUENCY	60 HZ		
FULL LOAD SPEED	1760 RPM		
SERVICE FACTOR	1.15		
INSULATION CLASS	F Class N Varnish		
FULL LOAD AMPS; 460	6.5 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 %	89.5 %	80.0 %
	75 %	89.7 %	76.0 %
	50 %	88.2 %	67.0 %
DUTY CYCLE	S1 / Continuous		
TORQUE	<u>FULL LOAD</u>	<u>LRT</u>	<u>BDT</u>
	14.8 lb.ft	210 %	260 %
NEMA DESIGN	B		
MOMENT OF INERTIA	<u>LOAD (Max.)</u>	<u>MOTOR</u>	
	77.124 lb.ft ²	0.309 lb.ft ²	
SOUND PRESSURE LEVEL (No Load 1 M From Motor)	64 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	105 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		



CC 038A



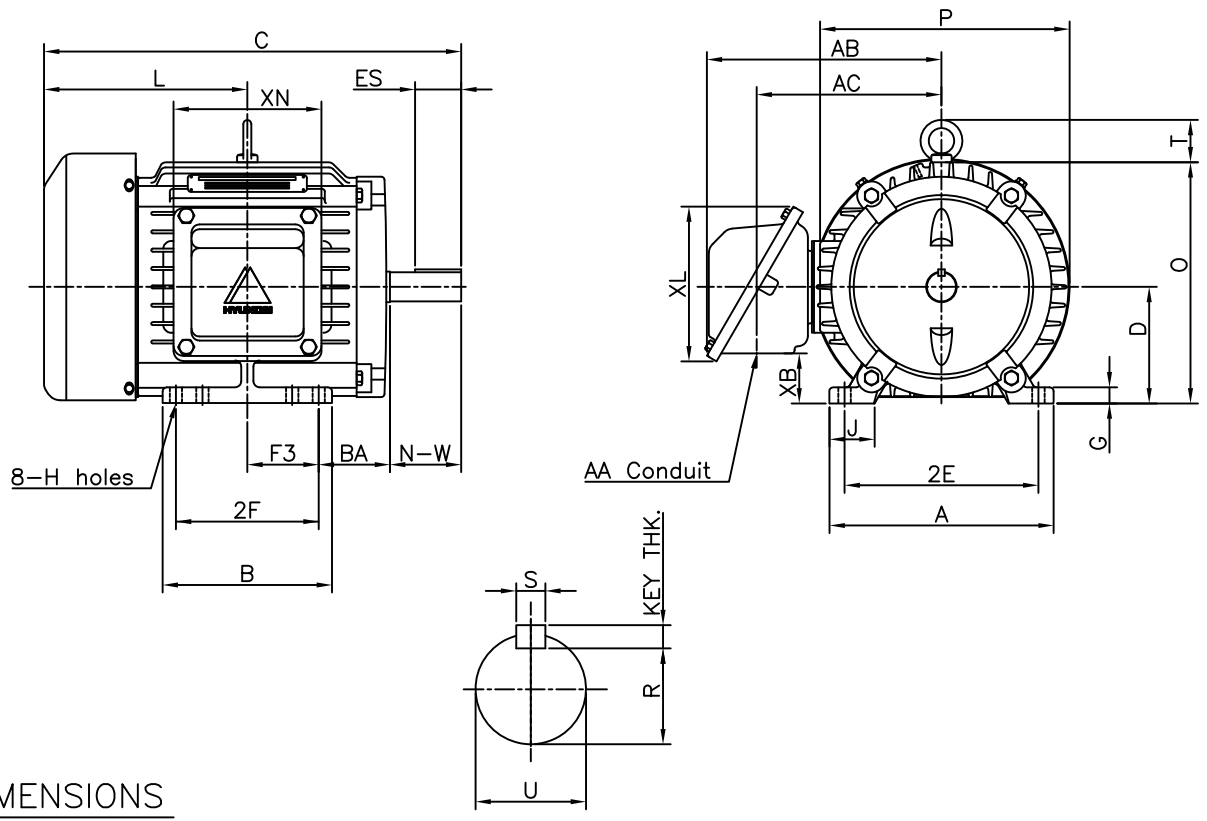


I E E E 8 4 1 TEFC
THREE PHASE INDUCTION MOTOR

TYPE

LP,JP
 CAST IRON FRAME

FRAME SIZE	OUTPUT(HP)	POLES	Hz	TIME RATING



DIMENSIONS

M O U N T I N G									C O N D U I T B O X						APPROX. WGT.(LB)
A	B	2E	2F	-	F3	G	J	H	AA	AB	AC	XB	XL	XN	
8.66	6.54	7.50	5.50	-	2.75	0.62	1.74	0.41	0.75	9.06	7.14	1.93	5.97	5.71	105

O V E R A L L								S H A F T			KEY THK.	B E A R I N G		
BA	C	D	L	O	P	T	U	N-W	KEYWAY			DRIVE END	OPP. DRIVE END	
									R	ES				S
2.75	16.12	4.50	7.85	9.32	9.64	1.63	1.125	2.75	0.986	1.78	0.250	0.250	6206ZC3	6206ZC3

NOTE

- 1.Dimension "D" tolerance : +0.00inch - 0.03inch
- 2.Dimension "U" tolerance : +0.000inch - 0.0005inch
- 3.Dimension "R" tolerance : +0.000inch - 0.015inch

APPD BY	J.H.KIM	UNIT	INCH	SUBJECT	NEMA 184T	CAD PROJ \ FILE
CHKD BY	N.D.LEE	SCALE	1/8			SCALE-NEMA\A1104AA
CHKD BY	K.S.LEE	PROJEC'N	3rd Angle	TITLE		
DSND BY	S.W.SEO	DATE	2010.12.20			

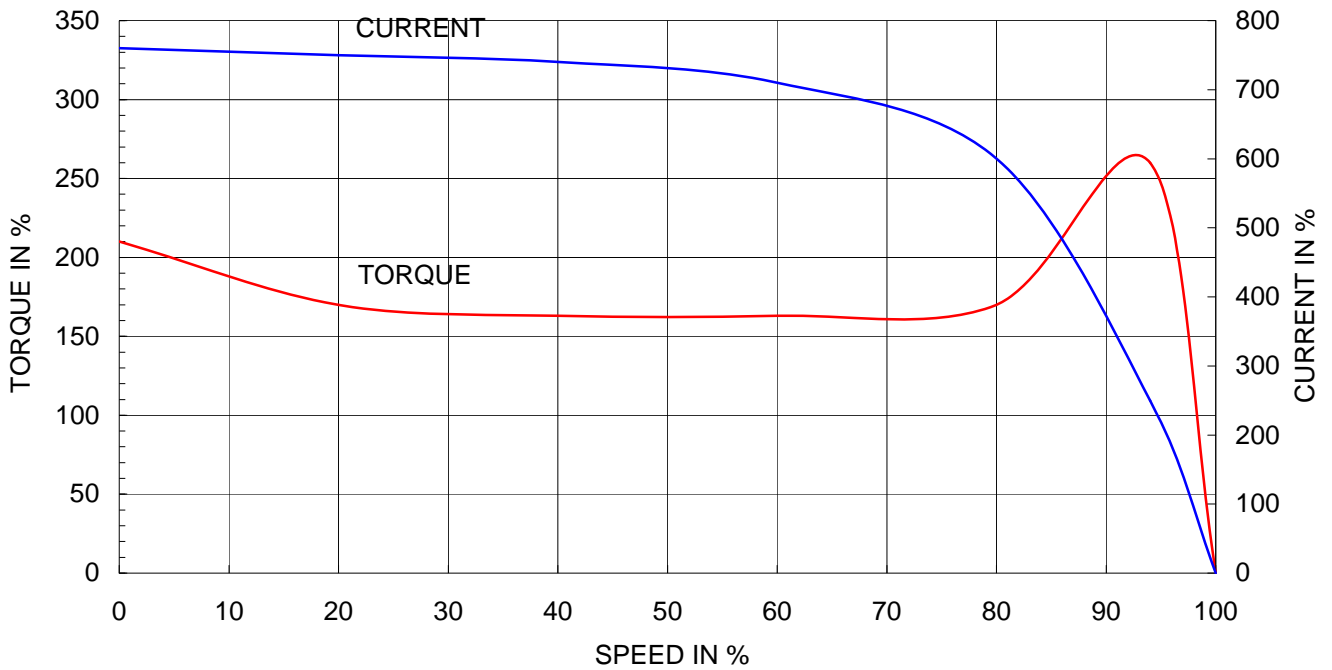
OUTLINE

	REF. NO	350A8104AA	Sheet No. of
	DWG NO	350A8104AA	Revision No. 0

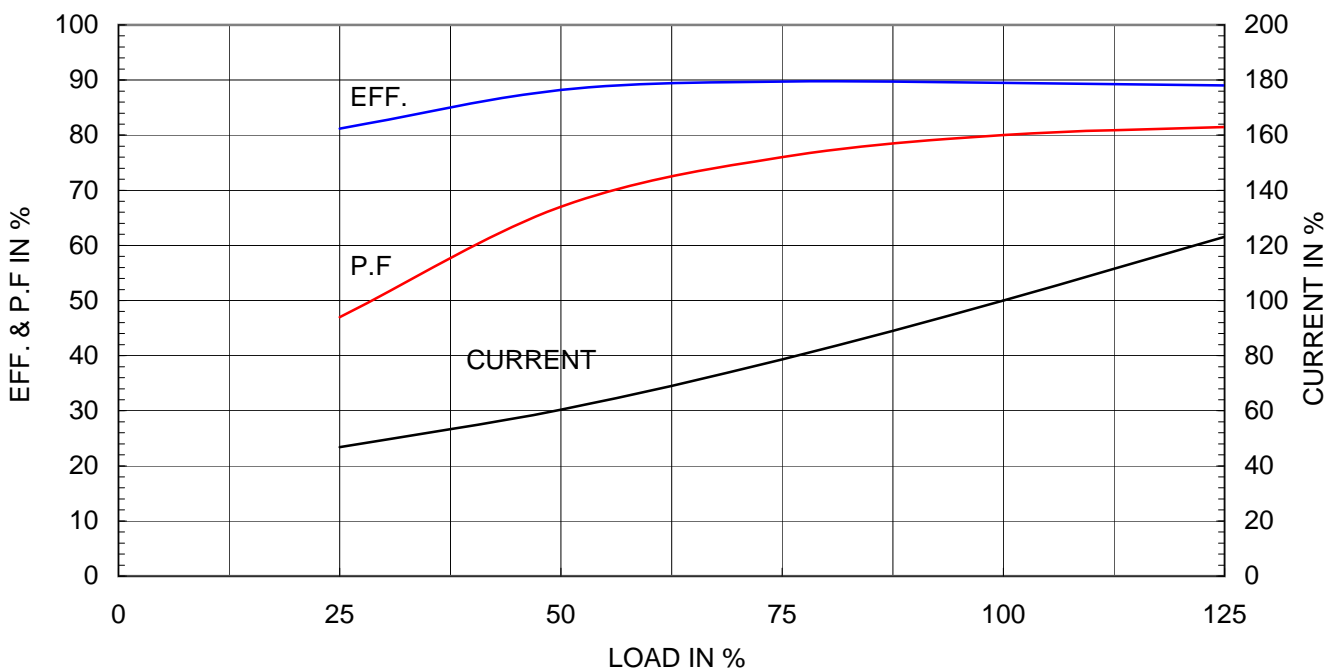
Type	:	PKP
Full Load Torque	:	14.8 lb.ft
Motor moment of Inertia (J)	:	0.309 lb.ft ²
Load moment of Inertia (J)	:	77.124 lb.ft ²

3.7 kW	5 HP	60 Hz	
4 P	Rated Speed :	1760 RPM	
Rated Voltage	575V	460V	230V
Full Load Current	5.2A	6.5A	13.0A

SPEED VS TORQUE & CURRENT CURVE



OUTPUT VS EFF., P.F & CURRENT CURVE





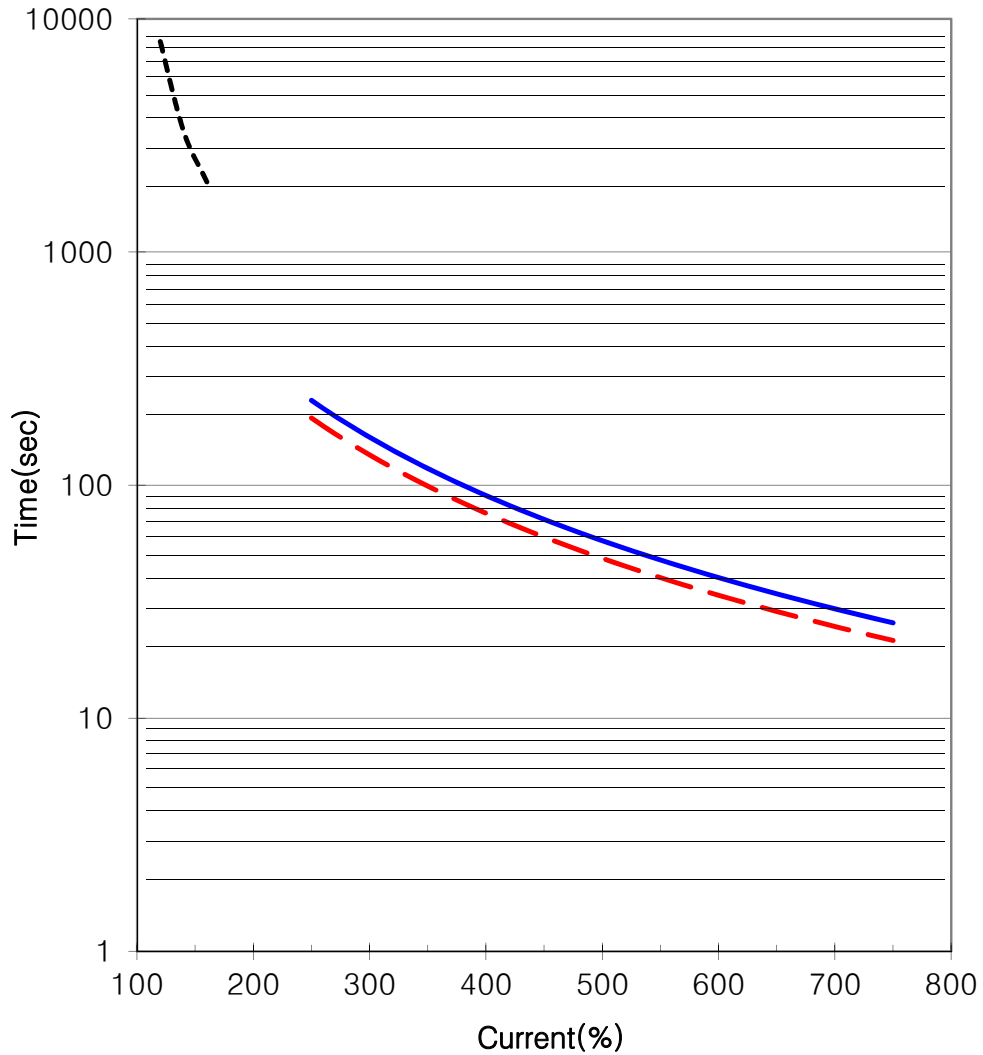
THERMAL LIMIT & TIME CURRENT CURVE

CURVE NO.

T-PKP5-18-184T

Type :	PKP5-18-184T	
FULL LOAD TORQUE :	14.8	lb.ft
J OF LOAD :	-	lb.ft²
J OF MOTOR :	0.3	lb.ft²

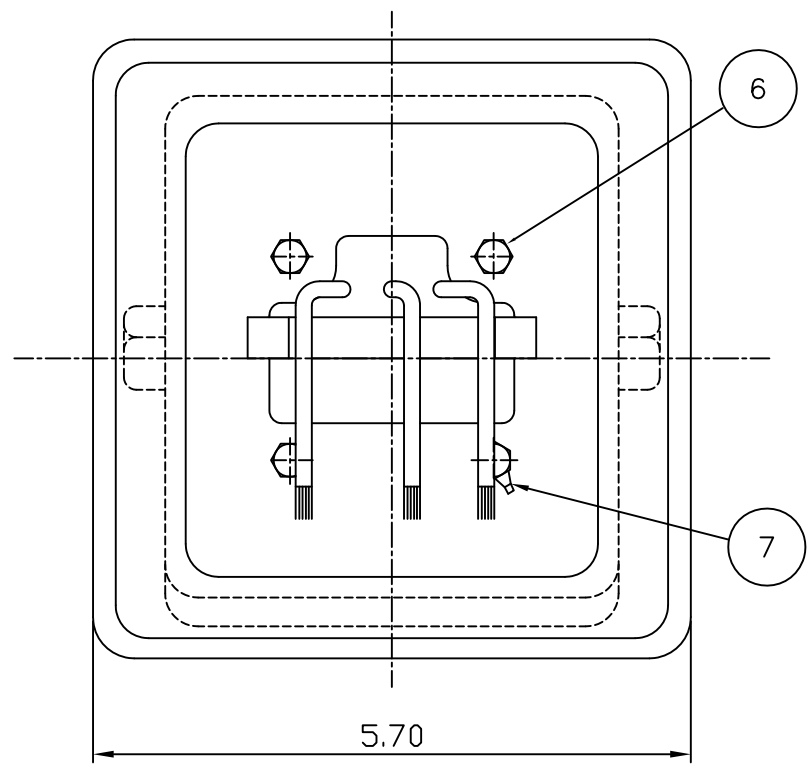
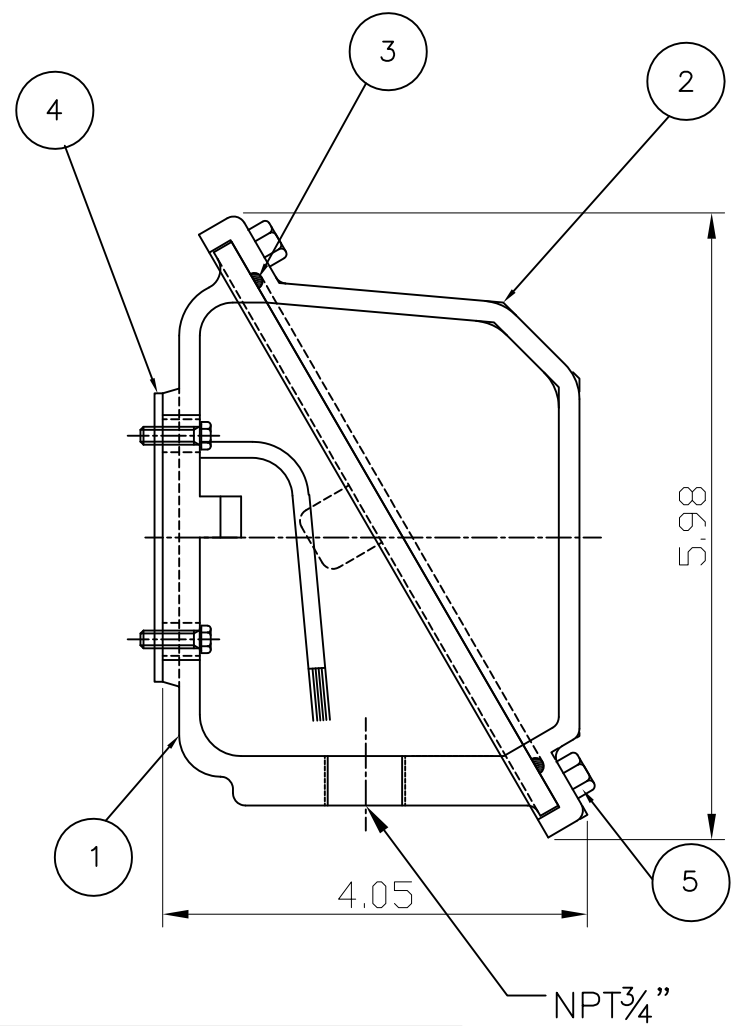
5	HP	4	P	60	Hz
RATED SPEED :			1760 rpm		
VOLTAGE		460 V	575 V		
RATED CURRENT		6.5A	5.2A		



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

STARTING TIME	SAFE STALL TIME
- at rated voltage starting	21 sec. at Hot condition
- at 80% of rated voltage starting	25 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