

MODEL NUMBER	IEEE15-36-254T		
HORSEPOWER	15		
RPM / POLES	3600 / 2		
VOLTAGE / PHASE	460 / 3		
FRAME	254T		
ENCLOSURE / DEGREE OF PROTECTION	TEFC / IP56		
FREQUENCY	60 HZ		
FULL LOAD SPEED	3535 RPM		
SERVICE FACTOR	1.15		
INSULATION CLASS	F Class N Varnish		
FULL LOAD AMPS; 460	16.9 A		
LOCKED ROTOR CURRENT (% Full Load)	670 %		
NEMA CODE LETTER	G		
EFFICIENCY / POWER FACTOR	<u>LOAD</u>	<u>EFF.</u>	<u>P.F.</u>
	100 %	91.7 %	89.0 %
	75 %	91.7 %	87.2 %
	50 %	91.0 %	81.5 %
DUTY CYCLE	S1 / Continuous		
TORQUE	<u>FULL LOAD</u>	<u>LRT</u>	<u>BDT</u>
	21.9 lb.ft	180 %	250 %
NEMA DESIGN	B		
MOMENT OF INERTIA	<u>LOAD (Max.)</u>	<u>MOTOR</u>	
	47.461 lb.ft ²	0.926 lb.ft ²	
SOUND PRESSURE LEVEL (No Load 1 M From Motor)	79 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	6309ZC3		
OPPOSITE DRIVE-END BEARING	6309ZC3		
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	260 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





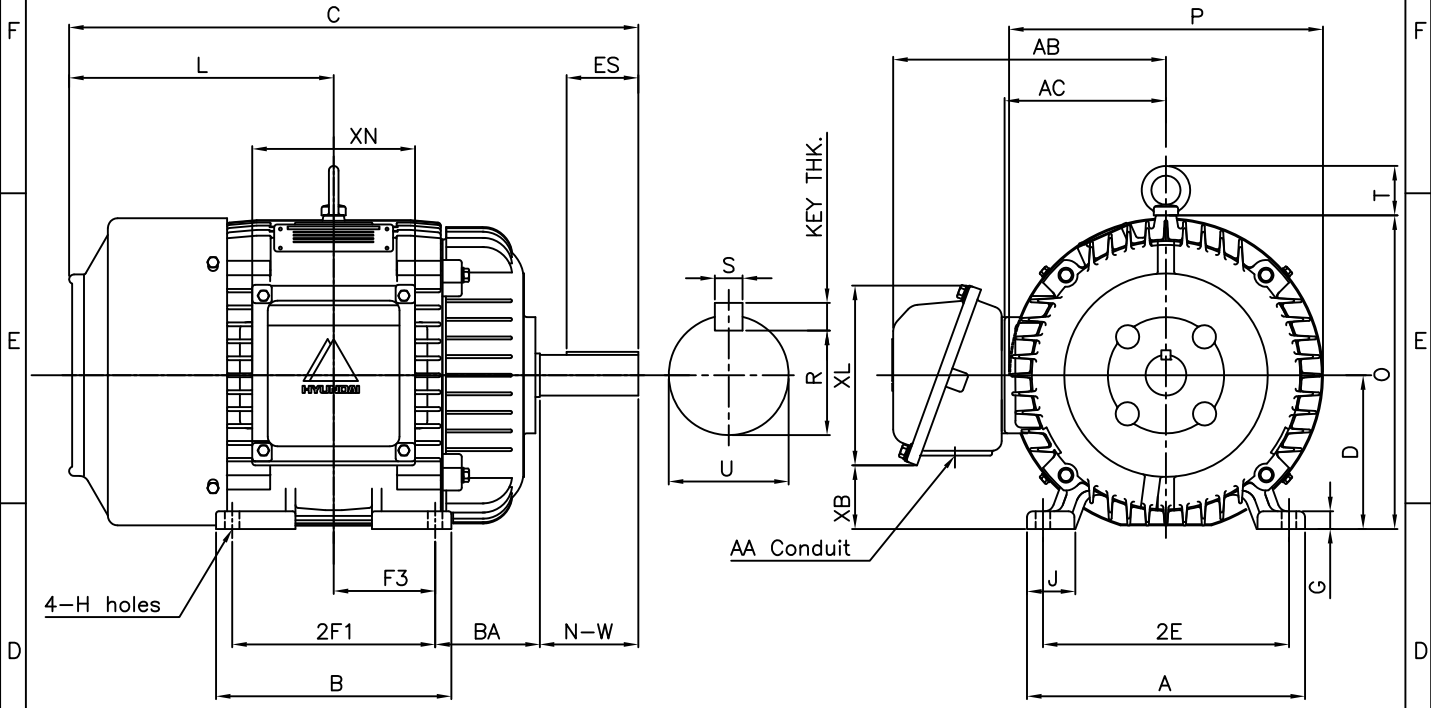
IEEE 841 TEFC

THREE PHASE INDUCTION MOTOR

TYPE

PLP
CAST IRON FRAME

FRAME SIZE	OUTPUT(HP)	POLES	Hz	TIME RATING



DIMENSIONS

MOUNTING									CONDUIT BOX						APPROX. WGT.(LB)
A	B	2E	2F1	2F2	F3	G	J	H	AA	AB	AC	XB	XL	XN	
11.30	9.56	10.00	8.25	-	4.13	0.72	1.93	0.53	1.25	11.88	9.08	2.63	7.56	6.61	260

OVERALL									SHAFT			KEY THK.	BEARING	
BA	C	D	L	O	P	T	U	N-W	KEYWAY				DRIVE END	OPP. DRIVE END
									R	ES	S			
4.25	24.93	6.25	11.68	12.75	12.76	2.01	1.625	4.00	1.416	2.91	0.375	0.375	6309ZC3	6309ZC3

NOTE

- 1.Dimension "D" tolerance : +0.00inch - 0.03inch
- 2.Dimension "U" tolerance : +0.000inch - 0.001inch
- 3.Dimension "R" tolerance : +0.000inch - 0.015inch

APPD BY	J. H. KIM	UNIT	INCH	SUBJECT	NEMA 254T	CAD PROJ \ FILE
CHKD BY	K. S. LEE	SCALE	N/S			XSMOUTN\A8107AA
CHKD BY		PROJEC'N	3rd Angle	TITLE	OUTLINE	
DSND BY	KIM IN KYU	DATE	2010.12.31			



REF. NO	A1107AA	Sheet No.	of
DWG NO	350A8107AA	Revision No.	0



PERFORMANCE CURVE

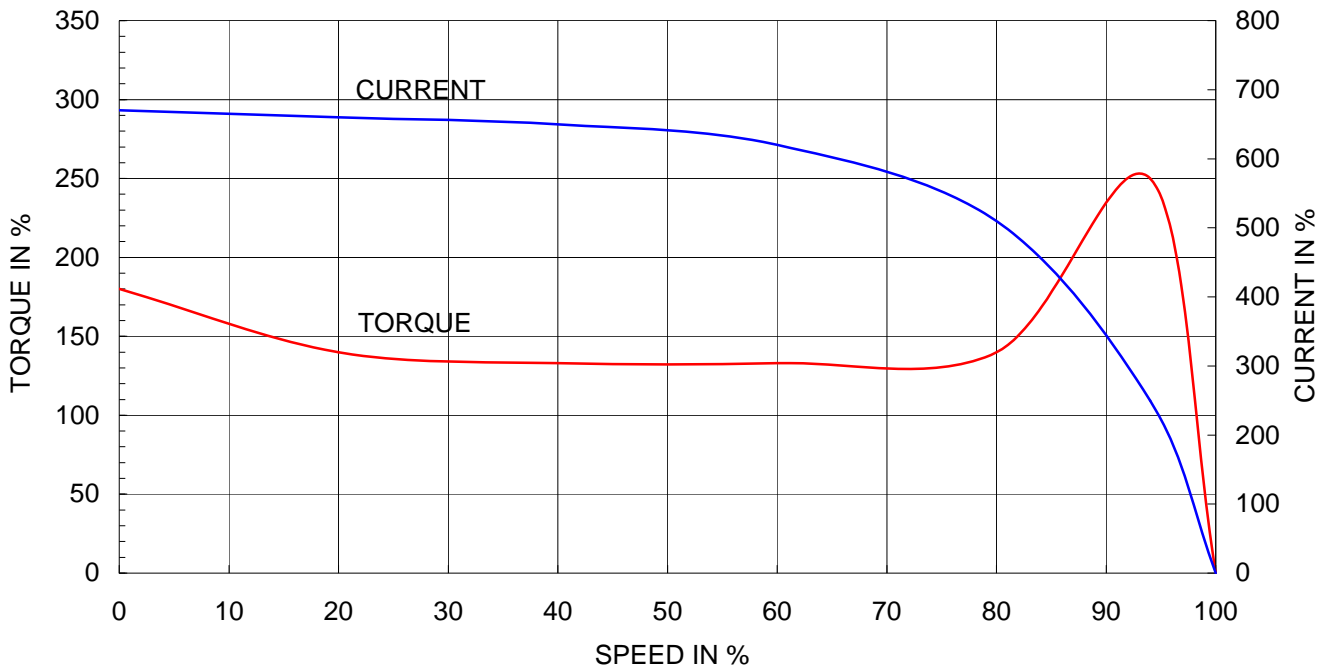
CURVE NO.

P-PLP254SR1

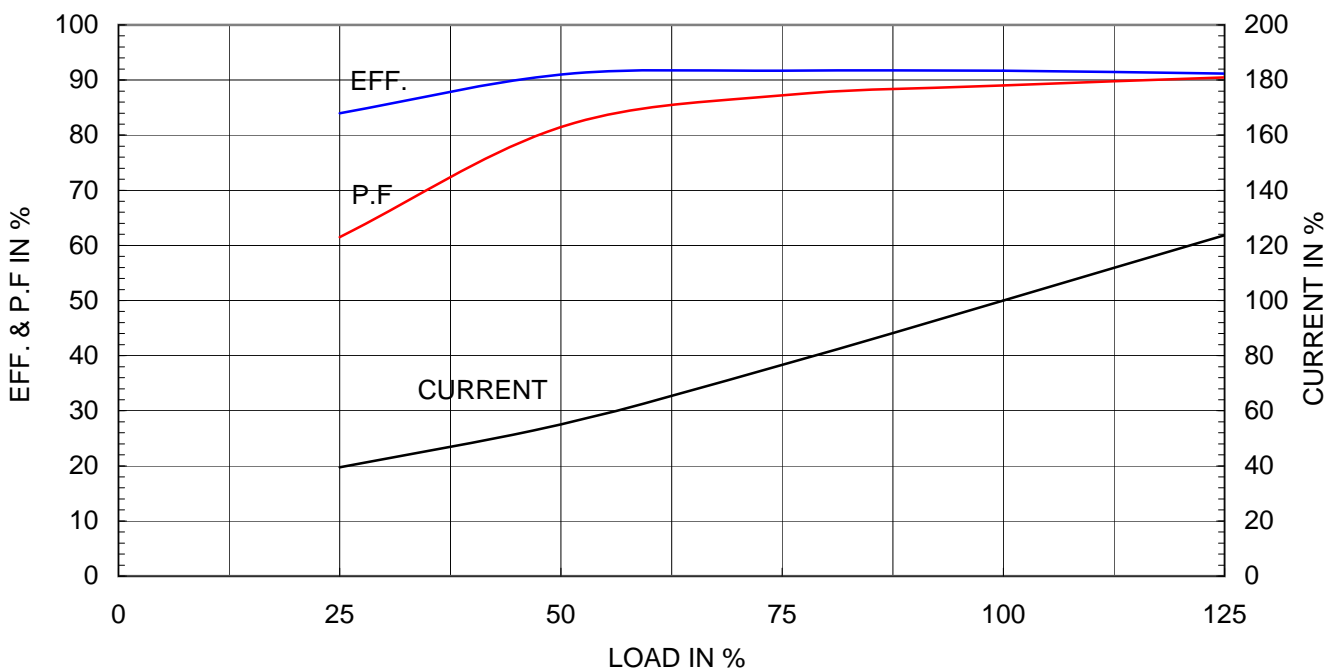
Type	:	PLP
Full Load Torque	:	21.9 lb.ft
Motor moment of Inertia (J)	:	0.926 lb.ft ²
Load moment of Inertia (J)	:	47.461 lb.ft ²

11 kW	15 HP	60 Hz	
2 P	Rated Speed	: 3535 RPM	
Rated Voltage	575V	460V	230V
Full Load Current	13.5A	16.9A	33.8A

SPEED VS TORQUE & CURRENT CURVE



OUTPUT VS EFF., P.F & CURRENT CURVE



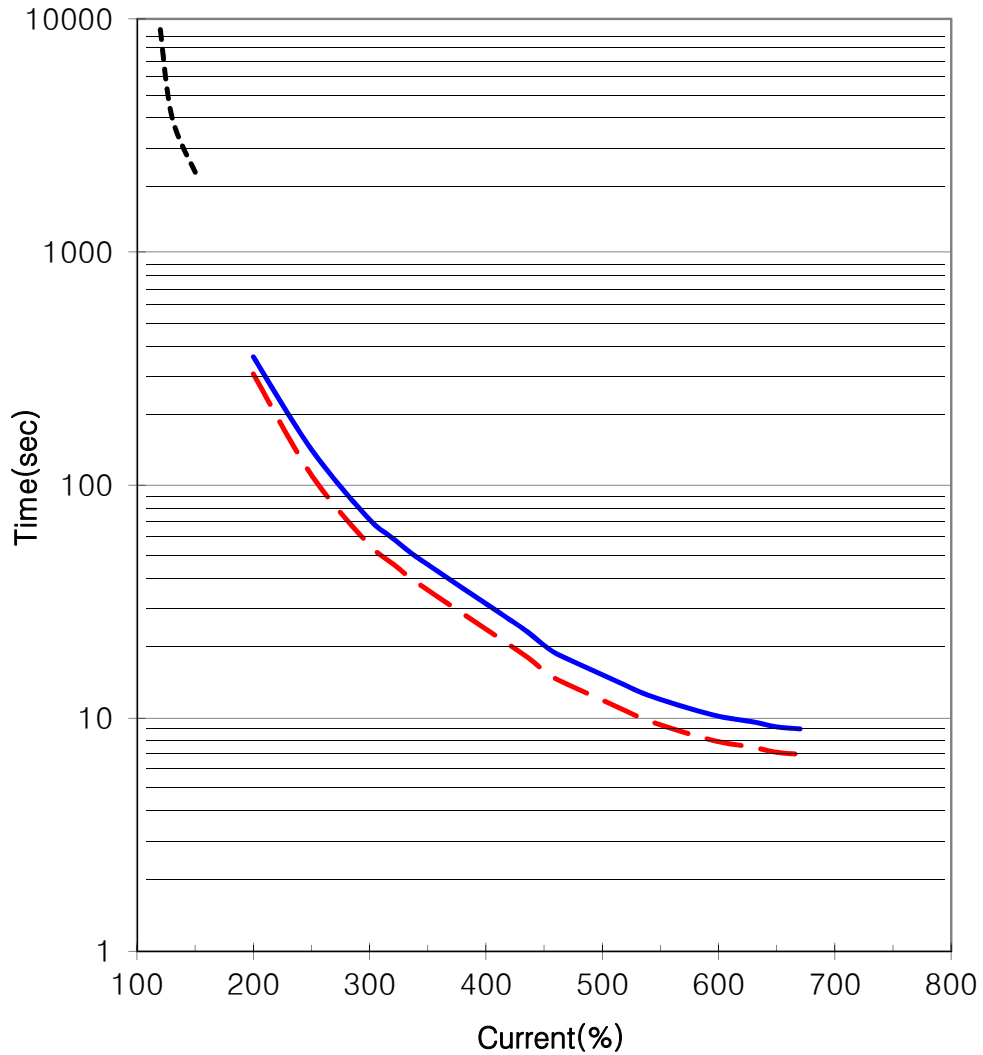


THERMAL LIMIT & TIME CURRENT CURVE

CURVE NO.

T-PLP15-36-254T

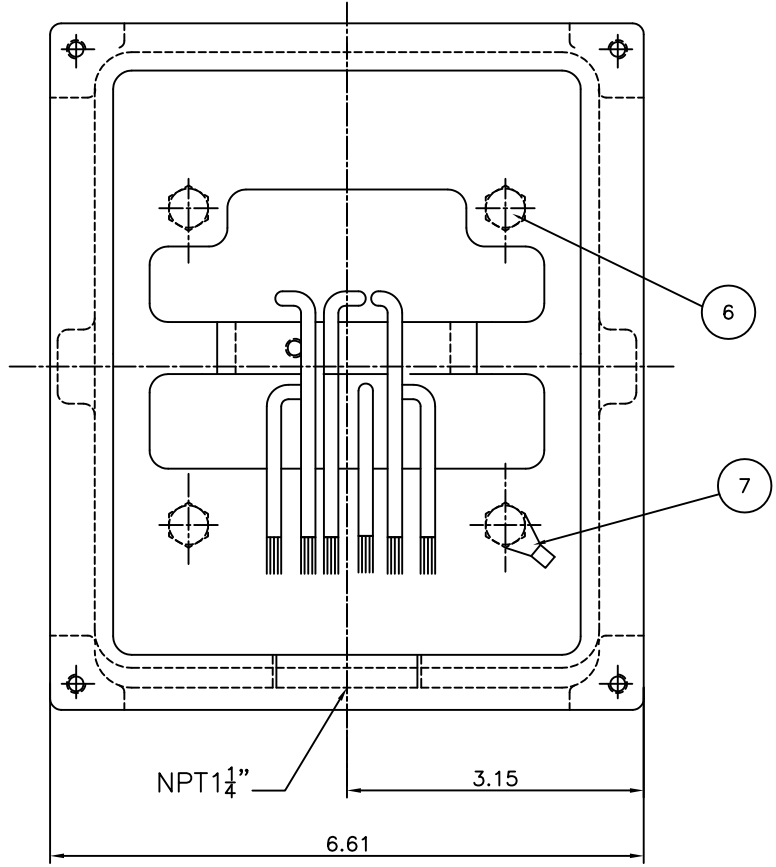
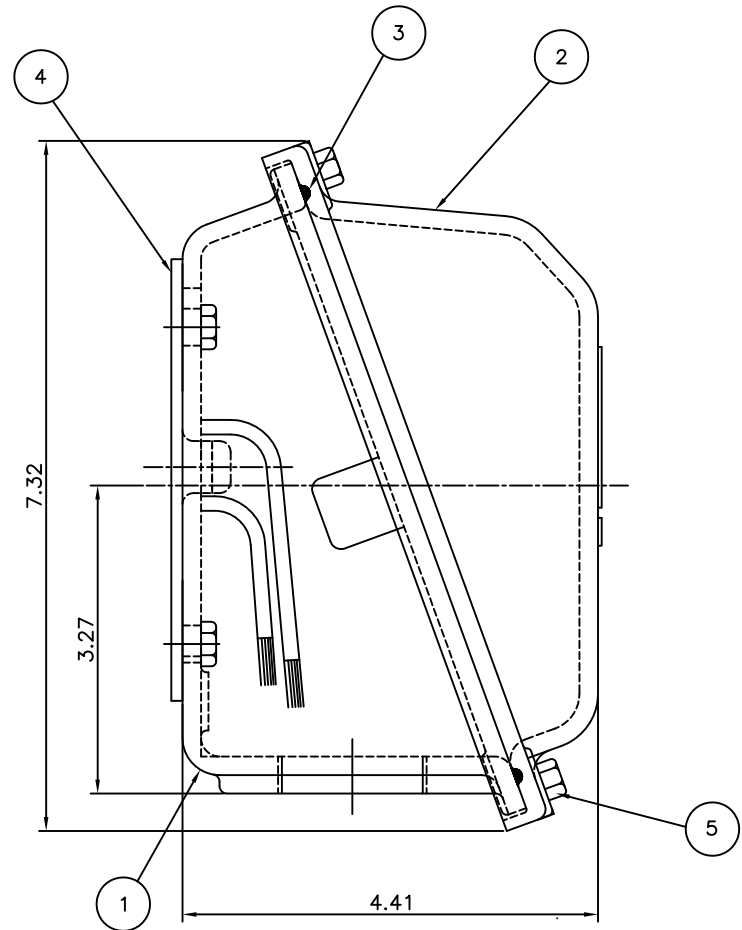
Type :	PLP15-36-254T		15	HP	2	P	60	Hz
FULL LOAD TORQUE :	21.9	lb.ft	RATED SPEED :		3535 rpm			
J OF LOAD :	-	lb.ft ²	VOLTAGE		460 V	575 V		
J OF MOTOR :	0.9	lb.ft ²	RATED CURRENT		16.9A	13.5A		



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

STARTING TIME	SAFE STALL TIME
- at rated voltage starting	7 sec. at Hot condition
- at 80% of rated voltage starting	9 sec. at Cold condition

THIS DRAWING IS PROPRIETARY TO HHI. NO PART OF THIS DRAWING MAYBE REPRODUCED WITHOUT THE PERMISSION OF HHI.



PT	DESCRIPTION	MATERIAL	DIMENSION	Q'TY
1	CONDUIT BOX	FC15	--	1
2	CONDUIT BOX COVER	FC15	--	1
3	O-RING / COVER	EPDM	φ4	1
4	BOX GASKET	NBR	--	1
5	COVER+BOX HEX BOLT	S45C	M6 X L20	4
6	BOX+FRAME HEX BOLT	S45C	M8 X L20	4
7	GROUND TERMINAL LUG	CU	--	1

Q'TY	DESCRIPTION	MATERIAL	DIMENSION	WEIGHT	PART NO.	REMARK	NO.
APPD BY	KIM.Y.S	UNIT	INCH	SUBJECT	NEMA254/256	CAD PROJ FILE	
CHKD BY	KO.S.H	SCALE	1:1	227B8008NA1			
CHKD BY	---	PROJEC'N	3각법(3rd Angle)	TITLE			
DSND BY	Y.J.HWANG	DATE	2005.02.16	TERMINAL BOX ASSEMBLY			
REF. NO		227B8008NA1		Sheet No. of			
DWG NO		227B8008NA1		Revision No. 0			



REV	DATE	CONTENTS	REVD BY	CHKD BY	CHKD BY	APPD BY
1						
2						
3						
4						