

MODEL NUMBER	HHI40-36-324TS		
HORSEPOWER	40		
RPM / POLES	3600 / 2		
VOLTAGE / PHASE	230 / 460 V / 3		
FRAME	324TS		
ENCLOSURE / DEGREE OF PROTECTION	TEFC / IP55		
FREQUENCY	60 HZ		
FULL LOAD SPEED	3560 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	91.0 / 45.5 A Usable On 208 V At 101 A		
LOCKED ROTOR CURRENT (% Full Load)	650 / 650 %		
NEMA CODE LETTER	G		
EFFICIENCY / POWER FACTOR	<u>LOAD</u>	<u>EFF.</u>	<u>P.F.</u>
	100 %	92.4 %	89.5 %
	75 %	92.6 %	88.5 %
	50 %	91.4 %	86.0 %
DUTY CYCLE	S1 / Continuous		
TORQUE	<u>FULL LOAD</u>	<u>LRT</u>	<u>BDT</u>
	59.4 lb.ft.	160 %	230 %
NEMA DESIGN	B		
MOMENT OF INERTIA	<u>LOAD (Max.)</u>	<u>MOTOR</u>	
	71.192 lb.ft. ²	3.987 lb.ft. ²	
SOUND PRESSURE LEVEL (No Load 1 M From Motor)	84 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	6313ZC3		
OPPOSITE DRIVE-END BEARING	6211ZC3		
GREASE TYPE	Mobil Polyrex EM		
MOUNTING	F1 (F2 Suitable), W6, W8, B3, V5, V6		
ROTATION	Bi-Directional		
APPROXIMATE WEIGHT	530 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		



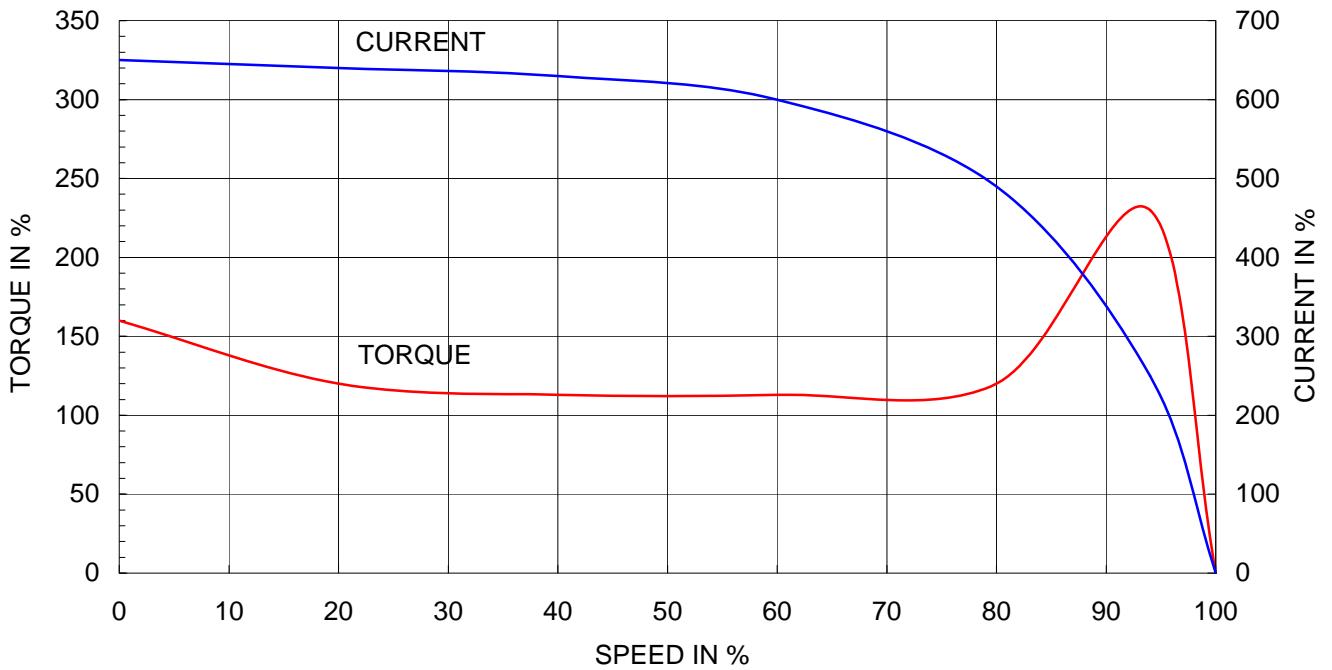
CC 038A



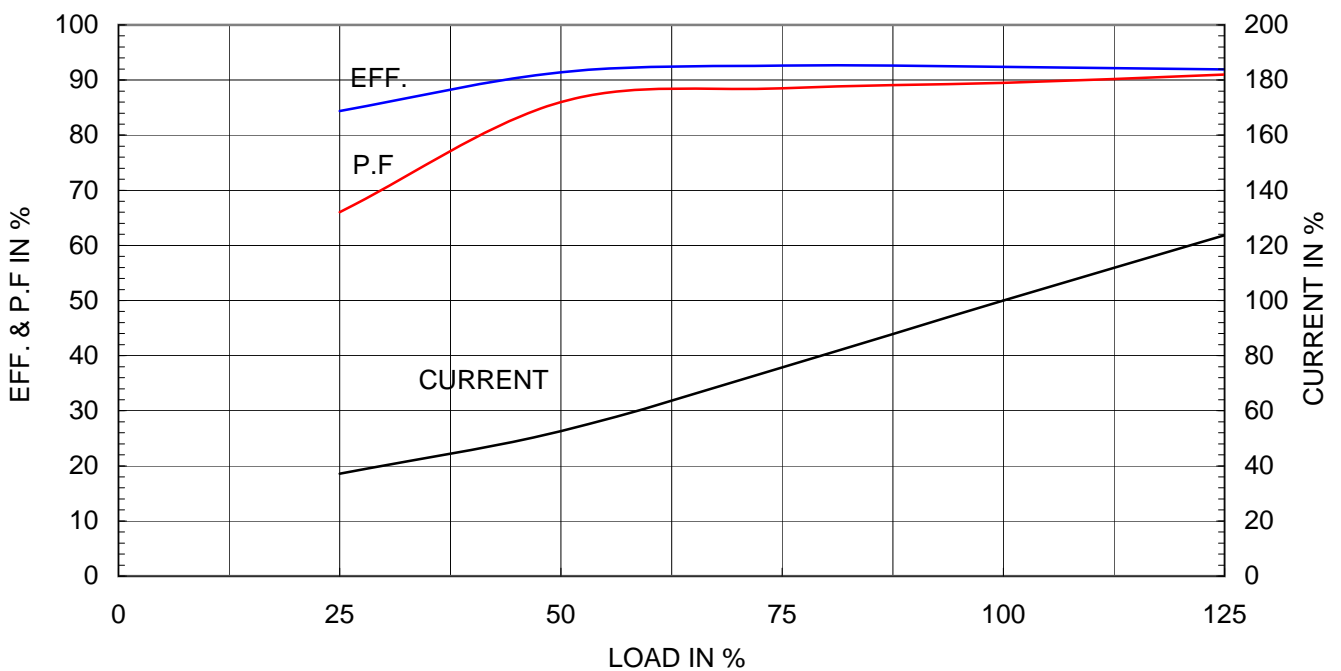
Type :	PLP
Full Load Torque :	59.4 lb.ft
Motor moment of Inertia (J) :	3.987 lb.ft ²
Load moment of Inertia (J) :	71.192 lb.ft ²

30 kW	40 HP	60 Hz
2 P	Rated Speed : 3560 RPM	
Rated Voltage	575V	460V
Full Load Current	36.4A	45.5A

SPEED VS TORQUE & CURRENT CURVE



OUTPUT VS EFF., P.F & CURRENT CURVE



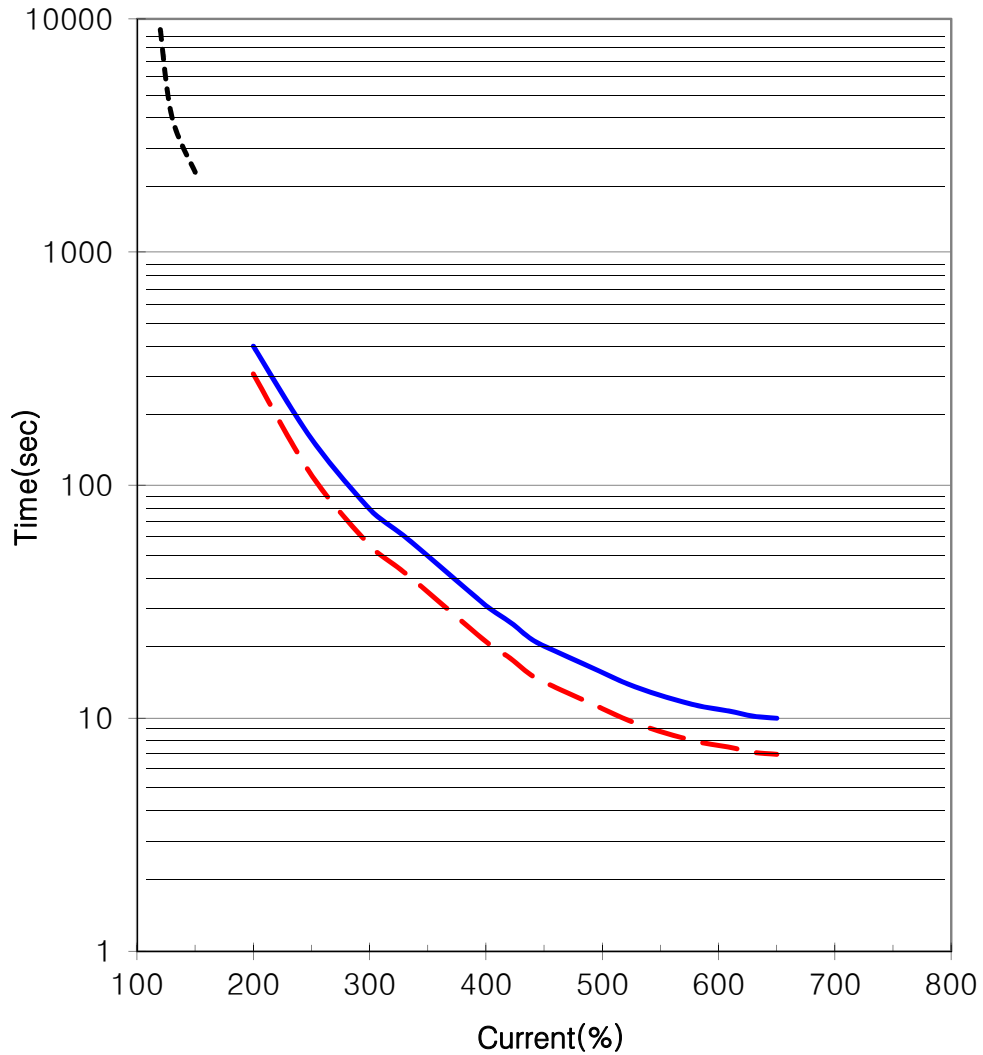


THERMAL LIMIT & TIME CURRENT CURVE

CURVE NO.

T-PLP40-36-324TS

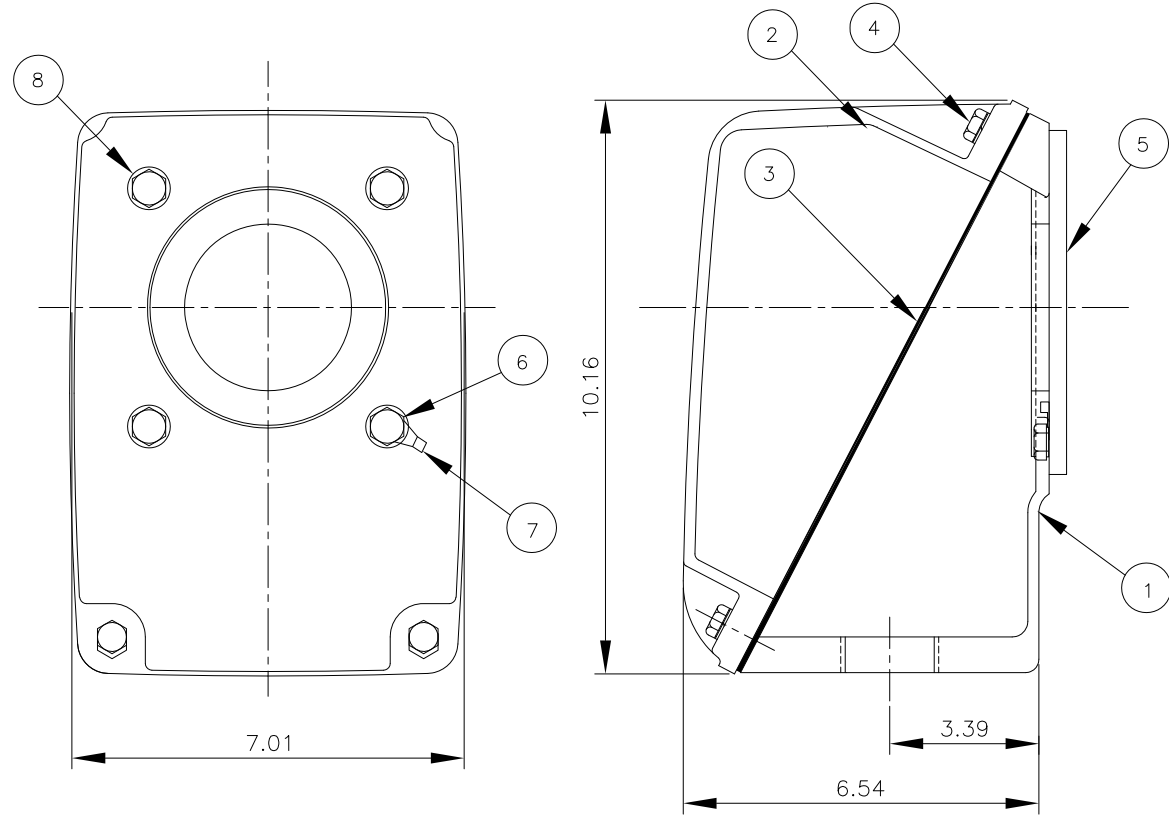
Type :	PLP40-36-324TS		40	HP	2	P	60	Hz
FULL LOAD TORQUE :	59.4	lb.ft	RATED SPEED :		3560 rpm			
J OF LOAD :	-	lb.ft ²	VOLTAGE		460 V	575 V		
J OF MOTOR :	4.0	lb.ft ²	RATED CURRENT		45.5A	36.4A		



— 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	10 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	FC20		1
2	C/B COVER	FC20		1
3	GASKET(COVER)	N.B.R	T2X170X210	1
4	SCREW(COVER)	S45C	M8XL20	4
5	GASKET(C/B)	N.B.R		1
6	SCREW(C/B)	S45C	M8XL20	4
7	TERMINAL GROUND	CU	T1.6	1
8	WASHER	S45C	M8 X L10	4

▽	50S
▽▽	12.5S
▽▽▽	3.2S
▽▽▽▽	0.4S

REV	DATE	CONTENTS	REVD BY	CHKD BY	CHKD BY	APPD BY
1						

일반가공공차		일반재관공차	
1-4	±0.1	6-30	±0.5
4-18	±0.2	30-120	±0.8
18-63	±0.3	120-315	±1.2
63-250	±0.5	315-1000	±2.0
250-	±0.8	1000-	±3.0

Q'TY	DESCRIPTION	MATERIAL	DIMENSION	WEIGHT	PART NO.	REMARK	NO.
APPD BY	KANG KYEONG JUNG	UNIT	INCH	SUBJECT	NEMA 320		DWG SIZE
CHKD BY	LEE NOH DUK	SCALE	1/2	TITLE			A3 (1:30)
CHKD BY	KIM IN KYU	PROJEC'N	3각법(3rd Angle)	Main Terminal Box Assembly			
DSND BY	KIM EUN SEONG	DATE	2011-08-30	REF. NO	227B8003CB5	Sheet No.	of
				DWG NO	3M-145864	Revision No.	0

