

MODEL NUMBER	HHI25-36-284TS		
HORSEPOWER	25		
RPM / POLES	3600 / 2		
VOLTAGE / PHASE	230 / 460 V / 3		
FRAME	284TS		
ENCLOSURE / DEGREE OF PROTECTION	TEFC / IP54		
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	57.0 / 28.5 A Usable On 208 V At 63.0 A		
LOCKED ROTOR CURRENT (% Full Load)	700 / 700 %		
NEMA CODE LETTER	H		
EFFICIENCY / POWER FACTOR	<u>LOAD</u>	<u>EFF.</u>	<u>P.F.</u>
	100 %	91.7 %	89.0 %
	75 %	91.7 %	87.8 %
	50 %	89.0 %	84.2 %
DUTY CYCLE	S1 / Continuous		
TORQUE	<u>FULL LOAD</u>	<u>LRT</u>	<u>BDT</u>
	36.6 lb.ft.	160 %	230 %
NEMA DESIGN	B		
MOMENT OF INERTIA	<u>LOAD (Max.)</u>		<u>MOTOR</u>
	59.326 lb.ft. ²		1.899 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	6310ZC3		
OPPOSITE DRIVE-END BEARING	6310ZC3		
GREASE TYPE	Mobil Polyrex EM		
MOUNTING	F1 (F2 Suitable), W6, W8, B3, V5, V6		
ROTATION	Bi-Directional		
APPROXIMATE WEIGHT	380 lbs.		
AREA CLASSIFICATION	Class I, Division 2, Groups A, B, C, D		
INVERTER RATING	10:1 CT / 20:1 VT		
SPECIFICATION - In Accordance With	NEMA, CSA		



HEAVY INDUSTRIES CO., LTD.

TEFC

THREE PHASE INDUCTION MOTOR

TYPE

LP, JP

CAST IRON FRAME

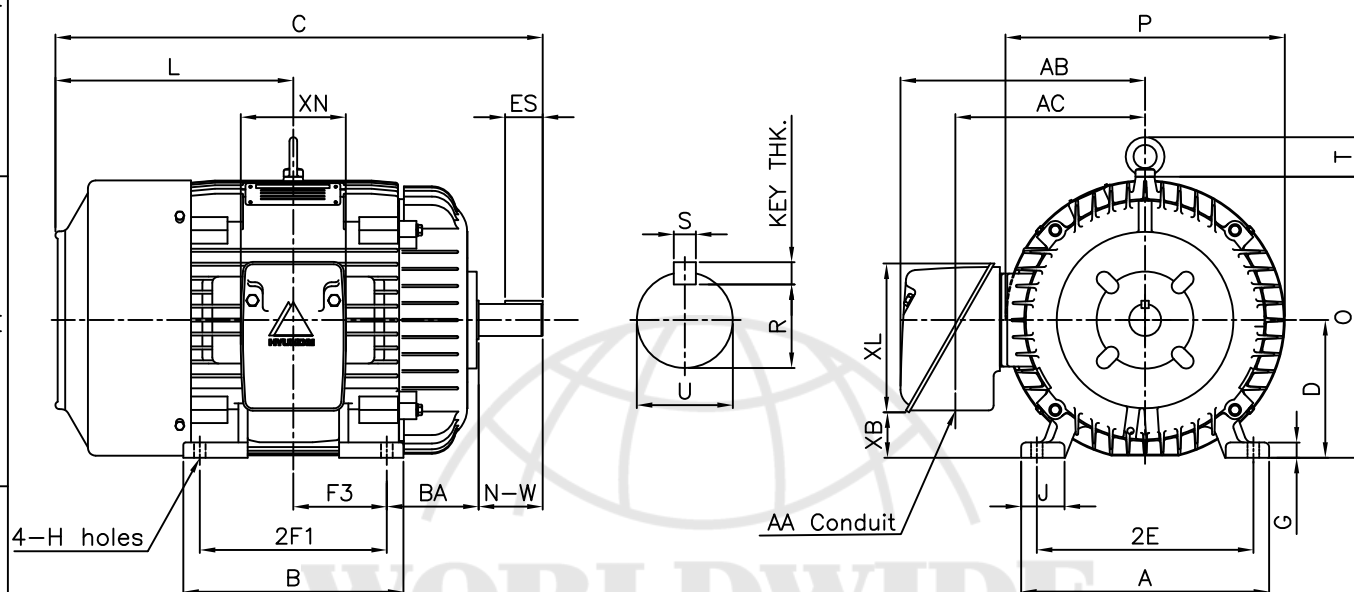
FRAME SIZE

OUTPUT(HP)

POLES

Hz

TIME RATING



DIMENSIONS

M O U N T I N G									CONDUIT BOX						APPROX. WGT.(LB)
A	B	2E	2F1	2F2	F3	G	J	H	AA	AB	AC	XB	XL	XN	284T
12.60	11.18	11.00	9.50	—	4.75	0.78	2.20	0.53	1.50	12.43	9.64	3.42	7.56	6.61	380

O V E R A L L							S H A F T					KEY THK.	BEARING	
BA	C	D	L	O	P	T	U	N-W	KEYWAY				DRIVE END	OPP. DRIVE END
									R	ES	S			
4.75	24.84	7.00	12.09	14.28	14.19	2.01	1.625	3.25	1.416	1.91	0.375	0.375	6310ZC3	6310ZC3

NOTE

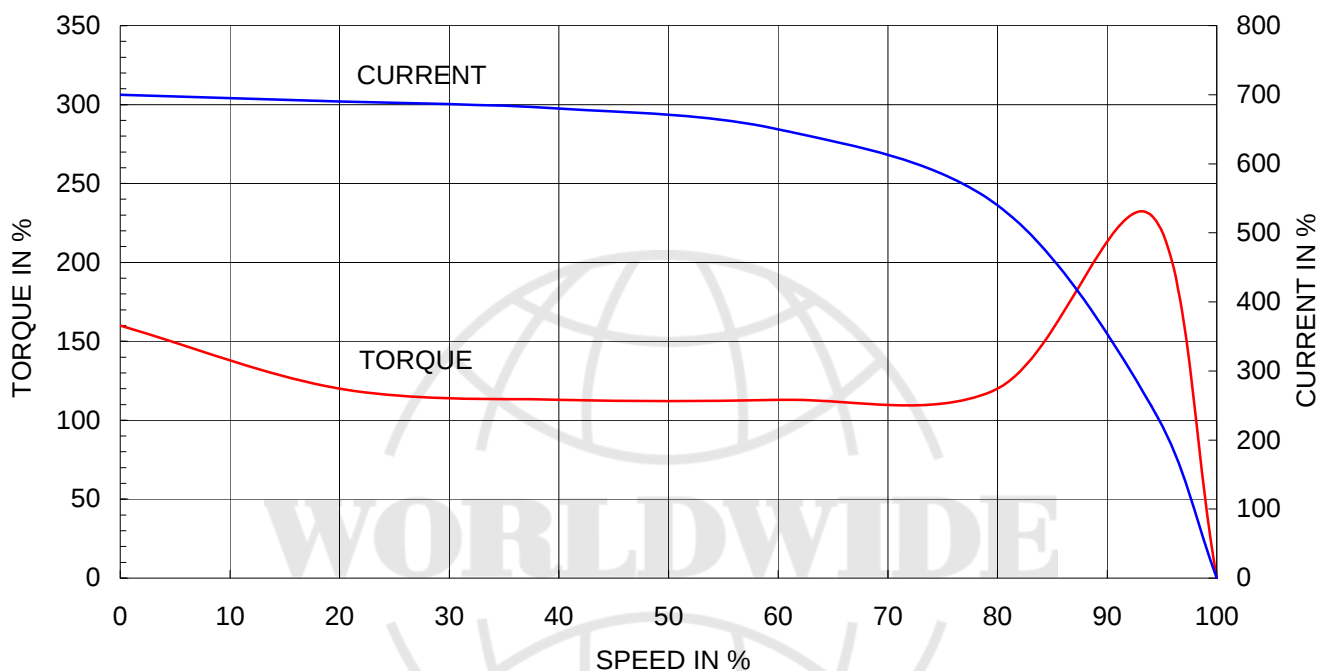
- 1.Dimension "D" tolerance : +0.00inch - 0.03inch
- 2.Dimension "U" tolerance : +0.000inch - 0.001inch
- 3.Dimension "R" tolerance : +0.000inch - 0.015inch

APPD BY	J. H. KIM	UNIT	INCH	SUBJECT	NEMA 284TS	CAD PROJ	FILE
CHKD BY	K. S. LEE	SCALE	1/10			XSMOUTIN\A1109BA	
CHKD BY		PROJEC'N	3rd Angle	TITLE OUTLINE			
DSND BY	KIM IN KYU	DATE	2010.12.31				
 HYUNDAI HEAVY INDUSTRIES CO., LTD. Electro—Electric System Division				REF. NO	A1109BA	Sheet No. of	
				DWG NO	350A1109BA	Revision No. 0	

Type	:	PLP
Full Load Torque	:	36.6 lb.ft
Motor moment of Inertia (J)	:	1.899 lb.ft ²
Load moment of Inertia (J)	:	59.326 lb.ft ²

18.5 kW		25 HP		60 Hz	
2 P		Rated Speed : 3560 RPM			
Rated Voltage	575V	460V	230V		
Full Load Current	22.8A	28.5A	57.0A		

SPEED VS TORQUE & CURRENT CURVE



OUTPUT VS EFF., P.F & CURRENT CURVE

