

MODEL NUMBER	HHI50-18-326TC-F2		
HORSEPOWER	50		
RPM / POLES	1800 / 4		
VOLTAGE / PHASE	230 / 460 V / 3		
FRAME	326TC		
ENCLOSURE / DEGREE OF PROTECTION	TEFC / IP54		
FREQUENCY	60 HZ		
FULL LOAD SPEED	1780 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	119.8 / 59.9 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 %	94.5 %	82.0 %
	75 %	94.5 %	79.5 %
	50 %	93.3 %	74.0 %
DUTY CYCLE	S1 / Continuous		
TORQUE	<u>FULL LOAD</u>	<u>LRT</u>	<u>BDT</u>
	146.4 lb.ft.	160 %	220 %
NEMA DESIGN	B		
MOMENT OF INERTIA	<u>LOAD (Max.)</u>	<u>MOTOR</u>	
	569.532 lb.ft. ²	8.307 lb.ft. ²	
SOUND PRESSURE LEVEL (No Load 1 M From Motor)	77 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	F2 (F1 Suitable), W6, W8, B3, V5, V6		
ROTATION	Bi-Directional		
APPROXIMATE WEIGHT	560 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		



CC 038A



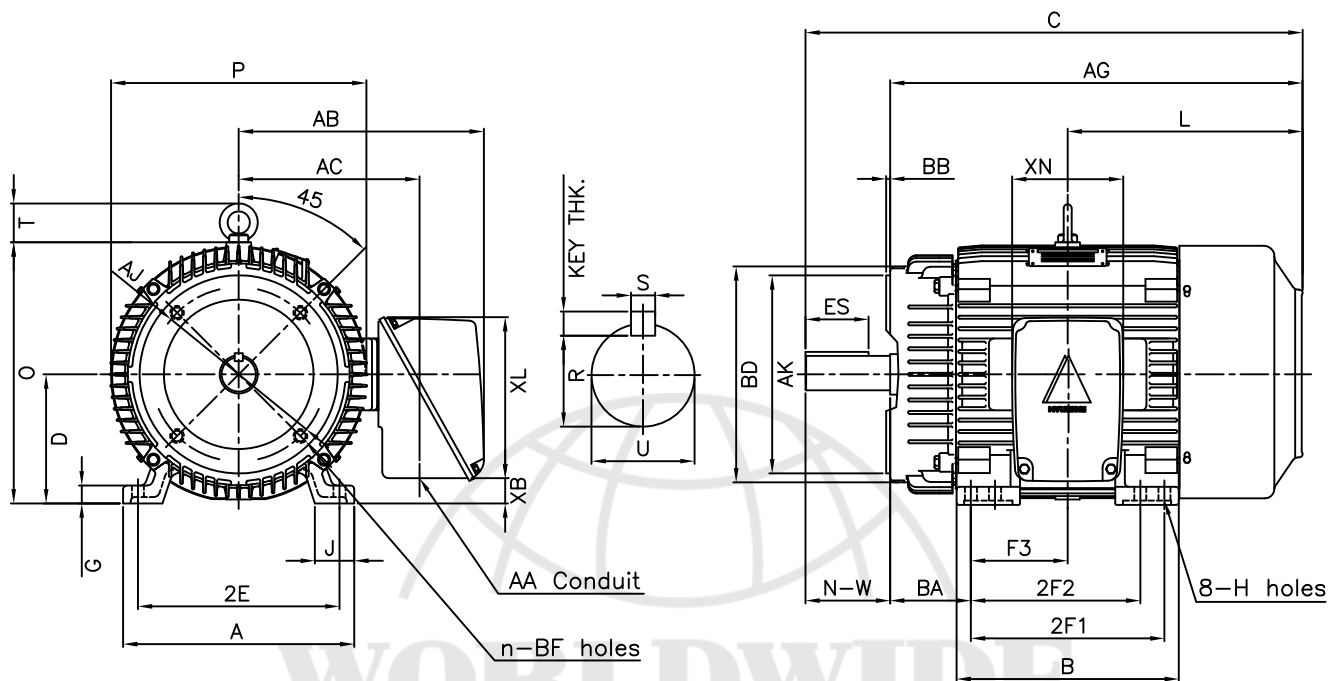
FRAME SIZE

OUTPUT(HP)

POLES

Hz

TIME RATING



F L A N G E						M O U N T I N G								
AJ	AK	BD	BB	BF	n	A	B	2E	2F1 ⁵⁾	2F2 ⁴⁾	F3	G	J	H
11.0	12.50	13.27	0.25	5/8–11	4	14.33	13.78	12.50	12.00	10.50	6.00	1.11	2.36	0.66

C O N D U I T B O X						O V E R A L L									APPROX. WGT.(LB)
AA	AB	AC	XB	XL	XN	AG	BA	C	D	L	O	P	T		
2.00	15.20	11.21	1.57	10.16	7.01	25.82	5.25	31.07	8.00	14.57	16.19	15.84	2.41		550 560

S H A F T					KEY THK.	B E A R I N G	
U	N-W	KEYWAY				DRIVE END	OPP. DRIVE END
		R	ES	S			
2.125	5.25	1.845	3.91	0.500	0.500	6313ZC3	6211ZC3

NOTE

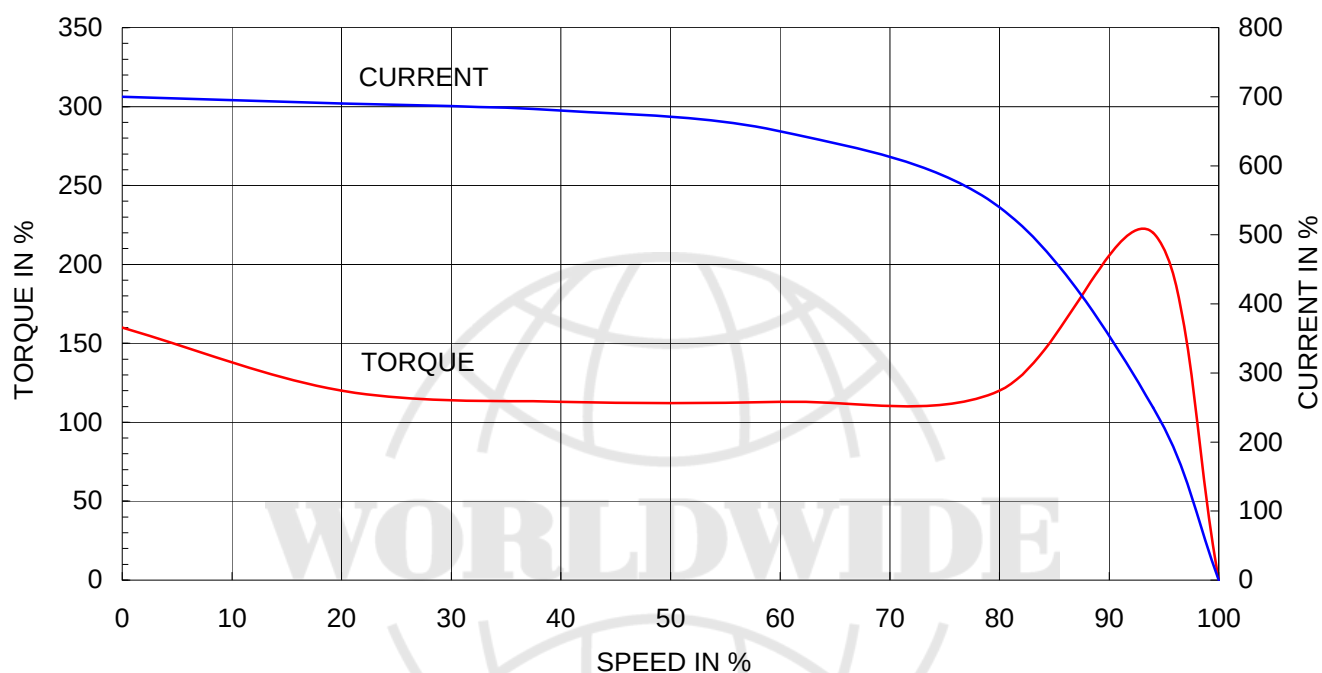
- 1.Dimension "D" tolerance : +0.00inch - 0.03inch
- 2.Dimension "U" tolerance : +0.000inch - 0.001inch
- 3.Dimension "R" tolerance : +0.000inch - 0.015inch
- 4.Location of holes for 324TC frame
- 5.Location of holes for 326TC frame

APPD BY	KIM.Y.S	UNIT	INCH	SUBJECT	NEMA 324TC/326TC	CAD PROJ \ FILE
CHKD BY	KO.S.H	SCALE	1/12			XSMOUTN\A1312BA
CHKD BY		PROJEC'N	3rd Angle	TITLE OUTLINE		
DSND BY	LEE KWANG SOO	DATE	2004.04.02			
				REF. NO	A1312AA	Sheet No. of
				DWG NO	350A1312AA	Revision No. 0

Type	:	PLP
Full Load Torque	:	146.4 lb.ft
Motor moment of Inertia (J)	:	8.307 lb.ft ²
Load moment of Inertia (J)	:	569.532 lb.ft ²

37 kW		50 HP		60 Hz	
4 P		Rated Speed : 1780 RPM			
Rated Voltage	575V	460V	230V		
Full Load Current	47.9A	59.9A	119.8A		

SPEED VS TORQUE & CURRENT CURVE



OUTPUT VS EFF., P.F & CURRENT CURVE

