

MODEL NUMBER	IXHHI25-12-324T		
HORSEPOWER	25		
RPM / POLES	1200 / 6		
VOLTAGE / PHASE	230 / 460 V / 3		
FRAME	324T		
ENCLOSURE / DEGREE OF PROTECTION	TEFC / IP54		
FREQUENCY	60 HZ		
FULL LOAD SPEED	1175 RPM		
SERVICE FACTOR	1.15		
INSULATION CLASS	F Class N Varnish		
FULL LOAD AMPS; 230 / 460	62.4 / 31.2 A Usable On 208 V At 69.0 A		
LOCKED ROTOR CURRENT (% Full Load)	680 / 680 %		
NEMA CODE LETTER	H		
EFFICIENCY / POWER FACTOR	<u>LOAD</u>	<u>EFF.</u>	<u>P.F.</u>
	100 %	93.0 %	80.0 %
	75 %	93.2 %	76.5 %
	50 %	92.0 %	68.5 %
DUTY CYCLE	S1 / Continuous		
TORQUE	<u>FULL LOAD</u>	<u>LRT</u>	<u>BDT</u>
	110.9 lb.ft.	160 %	220 %
NEMA DESIGN	B		
MOMENT OF INERTIA	<u>LOAD (Max.)</u>	<u>MOTOR</u>	
	783.106 lb.ft. ²	8.094 lb.ft. ²	
SOUND PRESSURE LEVEL (No Load 1 M From Motor)	70 dB(A)		
MAX. SHAFT VIBRATION	0.08 In/Sec – Peak Velocity		
NUMBER OF STARTS (Hot / Cold)	2 Hot / 3 Cold		
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, W6, W8, B3, V5, V6		
ROTATION	Bi-Directional		
APPROXIMATE WEIGHT	840 lbs.		
AREA CLASSIFICATION	Class I, Division 1, Groups C and D		
TEMPERATURE CODE WITH THERMOSTAT USE	T4		
TEMPERATURE CODE AT 40°C AMBIENT	T2C		
TEMPERATURE CODE AT 55°C AMBIENT	T2B		
THERMOSTAT TYPE	Normally Closed		
INVERTER RATING	4:1 CT (Constant) / 10:1 CT (Intermittent-1 Hour) / 10:1 VT		
INSULATION TYPE	Hyundai Inverter Shield, Meets NEMA MG1 Part 31		
UL CERTIFICATION NUMBER	E216236		





TEFC

THREE PHASE INDUCTION MOTOR

TYPE

XKP, XIP

CAST IRON FRAME

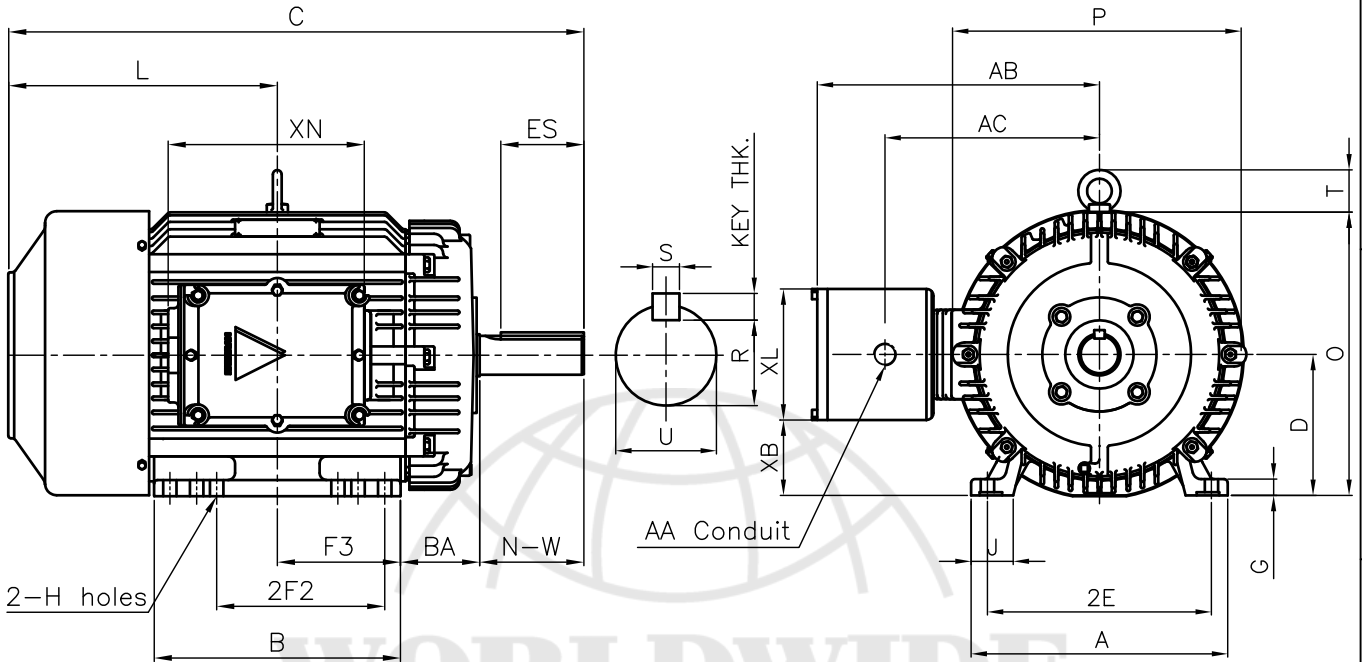
FRAME SIZE

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	2F2 ⁴⁾	F3	G	J	H	AA	AB	AC	XB	XL	XN	324T
14.33	15.74	12.50	10.50	6.99	1.11	2.36	0.66	2.00	15.27	11.02	3.94	7.87	11.26	820

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			
5.25	33.03	8.00	15.55	16.19	15.84	2.41	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 324T frame

APPD BY	KIM.Y.S	UNIT	INCH	SUBJECT	NEMA 324T	CAD PROJ \ FILE	XSMOUTN\A1112AA
CHKD BY	KO.S.H	SCALE	1/12			TITLE	OUTLINE
CHKD BY		PROJEC'N	3rd Angle	REF. NO	A1112AA	Sheet No.	of
DSND BY	LEE KWANG SOO	DATE	2004.04.02	DWG NO	LM-U0324B3TL001	Revision No.	0

