HYUNDAI HEAVY INDUSTRIES CO.,LTD.

WORLDWIDE Electric Corp

AC INDUCTION MOTOR DATA SHEET
UL EXPLOSION PROOF MOTORS

MODEL NUMBER	**XHHI250-18-449TBB**		
HORSEPOWER	**250**		
RPM / POLES	**1800 / 4**		
VOLTAGE / PHASE	**230 / 460 V / 3**		
FRAME	**449T**		
ENCLOSURE / DEGREE OF PROTECTION	**TEFC / IP54**		
FREQUENCY	**60 HZ**		
FULL LOAD SPEED	**1785 RPM**		
SERVICE FACTOR	**1.15**		
INSULATION CLASS	**F Class N Varnish**		
FULL LOAD AMPS 230/460 VOLTS	**563.4 / 281.7 A**		
LOCKED ROTOR CURRENT (% Full Load)	**700 / 700 %**		
NEMA CODE LETTER	**G**		
EFFICIENCY / POWER FACTOR	LOAD **100 %** **75 %** **50 %**	EFF. **96.2 %** **96.3 %** **95.4 %**	P.F. **88.0 %** **86.2 %** **80.6 %**
DUTY CYCLE	**S1 / Continuous**		
TORQUE	FULL LOAD **749.9 lb.ft.**	LRT **140 %**	BDT **220 %**
NEMA DESIGN	**G**		
MOMENT OF INERTIA	LOAD (Max.) **3,318.708 lb.ft.^{2}**		MOTOR **105.370 lb.ft.^{2}**
SOUND PRESSURE LEVEL (No Load 1 M From Motor)	**85 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	**6320C3**		
OPPOSITE DRIVE-END BEARING	**6318C3**		
GREASE TYPE	**Mobil Polyrex EM**		
MOUNTING	**F1, W6, W8, B3, V5, V6**		
ROTATION	**Bi-Directional**		
APPROXIMATE WEIGHT	**3,086 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**		
UL CERTIFICATION NUMBER	**E216236**		

c UL us LISTED C SA US CSA E EEV 109973 ee CC 038A CE

REVISED 08/01/13

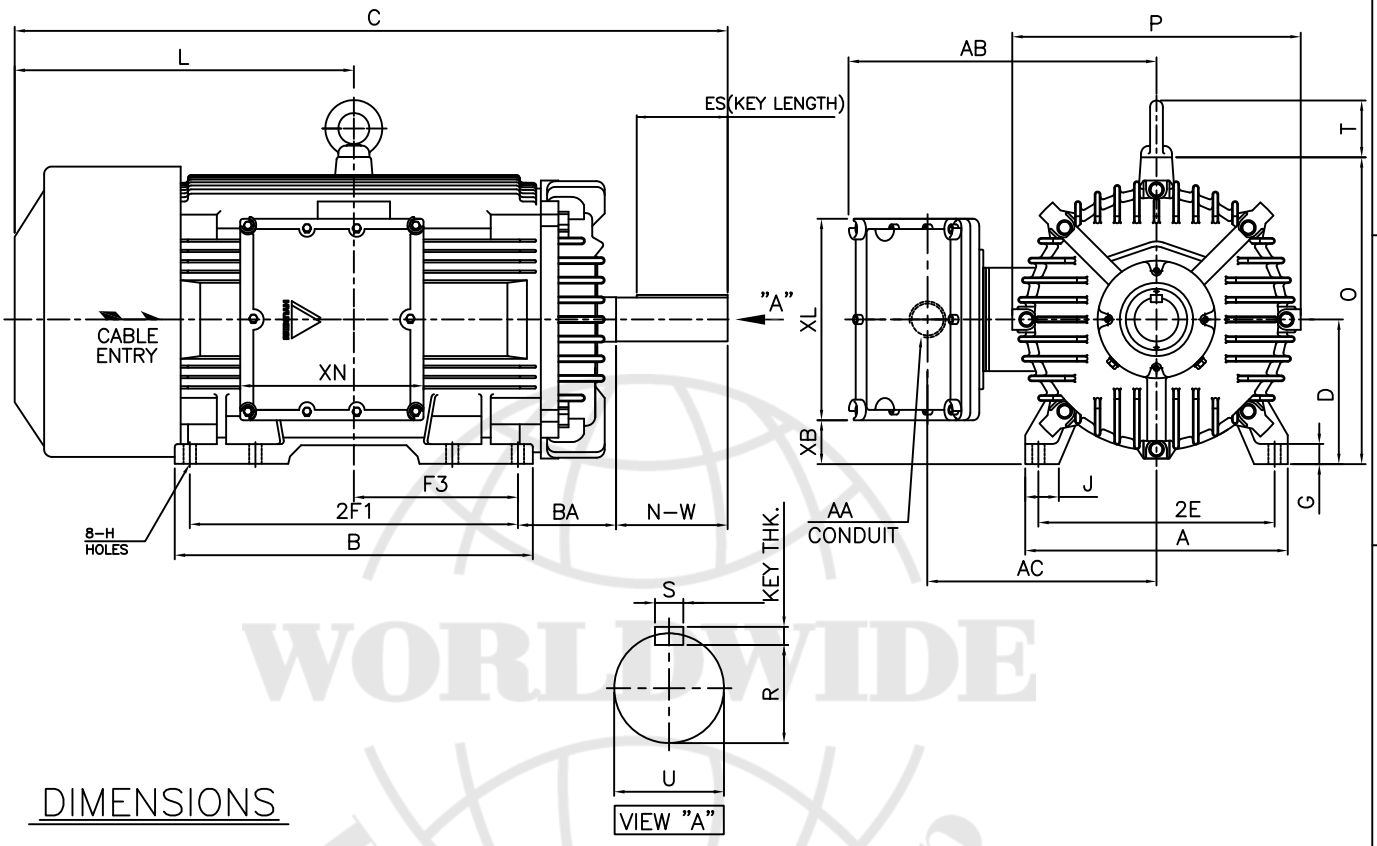
HYUNDAI HEAVY INDUSTRIES CO., LTD.
본 도면은 현대중공업(주) 재산이므로 허가없이 복사할 수 없습 (취급유의)
THIS DRAWING IS PROPRIETARY TO HHI. NO PART OF THIS DRAWING MAYBE REPRODUCED WITHOUT THE PERMISSION OF HHI.

HYUNDAI HEAVY INDUSTRIES CO., LTD.

TEFC
THREE PHASE INDUCTION MOTOR

TYPE XKP,XIP — Cast iron frame

FRAME SIZE	OUTPUT(HP)	POLES	Hz	TIME RATING
449T			60	CONT



DIMENSIONS

MOUNTING									CONDUIT BOX						APPROX. WGT.(LB)
A	B	2E	2F1	2F2	F3	G	J	H	AA	AB	AC	XB	XL	XN	
20.00	27.28	18.00	25.00	–	12.50	1.53	2.56	0.81	3.00	24.01	18.30	3.34	15.35	13.97	2P: 2690 or 3020 4P: 2756 or 3086 6P: 2756 or 3086

OVERALL							SHAFT					KEY	BEARING	
BA	C	D	L	O	P	T	U	N-W	KEYWAY R	KEYWAY ES	KEYWAY S	THK.	DRIVE END	OPP. DRIVE END
7.50	54.32	11.00	25.84	23.38	21.97	4.33	3.375	8.50	2.880	6.93	0.875	0.875	6320C3 or NU320	6318C3

NOTE

1. Dimension "D" tolerance : +0.00inch – 0.03inch (143T–365T) ; +0.000inch – 0.06inch (404T–449T)
2. Dimension "U" tolerance : +0.000inch – 0.005inch (143T–215T), +0.000inch – 0.001inch (254T–449T)
3. Dimension "R" tolerance : +0.000inch – 0.015inch

Q'TY	DESCRIPTION	MATERIAL	DIMENSION	WEIGHT	PART NO.	REMARK	NO.

APPD BY		UNIT	mm
CHKD BY		SCALE	1/15
CHKD BY		PROJEC'N	3각법(3rd Angle)
DSND BY	김중선	DATE	2012-02-16

SUBJECT: 449T — DWG SIZE: A4 (1:15)

TITLE: Outline

HYUNDAI HEAVY INDUSTRIES CO., LTD.

REF. NO: — Sheet No. of

DWG NO: LM-U0449B3TL001 — Revision No. 1