HYUNDAI HEAVY INDUSTRIES CO.,LTD.

WORLDWIDE Electric Corp

AC INDUCTION MOTOR DATA SHEET
UL EXPLOSION PROOF MOTORS

MODEL NUMBER	**XHHI40-12-364T**		
HORSEPOWER	**40**		
RPM / POLES	**1200 / 6**		
VOLTAGE / PHASE	**230 / 460 V / 3**		
FRAME	**364T**		
ENCLOSURE / DEGREE OF PROTECTION	**TEFC / IP54**		
FREQUENCY	**60 HZ**		
FULL LOAD SPEED	**1185 RPM**		
SERVICE FACTOR	**1.15**		
INSULATION CLASS	**F Class N Varnish**		
FULL LOAD AMPS 230/460 VOLTS	**97.6 / 48.8 A**		
LOCKED ROTOR CURRENT (% Full Load)	**680 / 680 %**		
NEMA CODE LETTER	**H**		
EFFICIENCY / POWER FACTOR	LOAD	EFF.	P.F.
	100 %	**94.1 %**	**82.0 %**
	75 %	**94.3 %**	**80.0 %**
	50 %	**94.0 %**	**73.5 %**
DUTY CYCLE	**S1 / Continuous**		
TORQUE	FULL LOAD	LRT	BDT
	178.4 lb.ft.	**150 %**	**220 %**
NEMA DESIGN	**B**		
MOMENT OF INERTIA	LOAD (Max.)		MOTOR
	1,186.524 lb.ft.^{2}		**26.650 lb.ft.^{2}**
SOUND PRESSURE LEVEL (No Load 1 M From Motor)	**73 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	**6314C3**		
OPPOSITE DRIVE-END BEARING	**6213C3**		
GREASE TYPE	**Mobil Polyrex EM**		
MOUNTING	**F1, W6, W8, B3, V5, V6**		
ROTATION	**Bi-Directional**		
APPROXIMATE WEIGHT	**1,113 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**		

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REVISED 08/01/13

HYUNDAI HEAVY INDUSTRIES CO., LTD.
본 도면은 현대중공업(주) 재산이므로 허가없이 복사할 수 없습 (취급유의)
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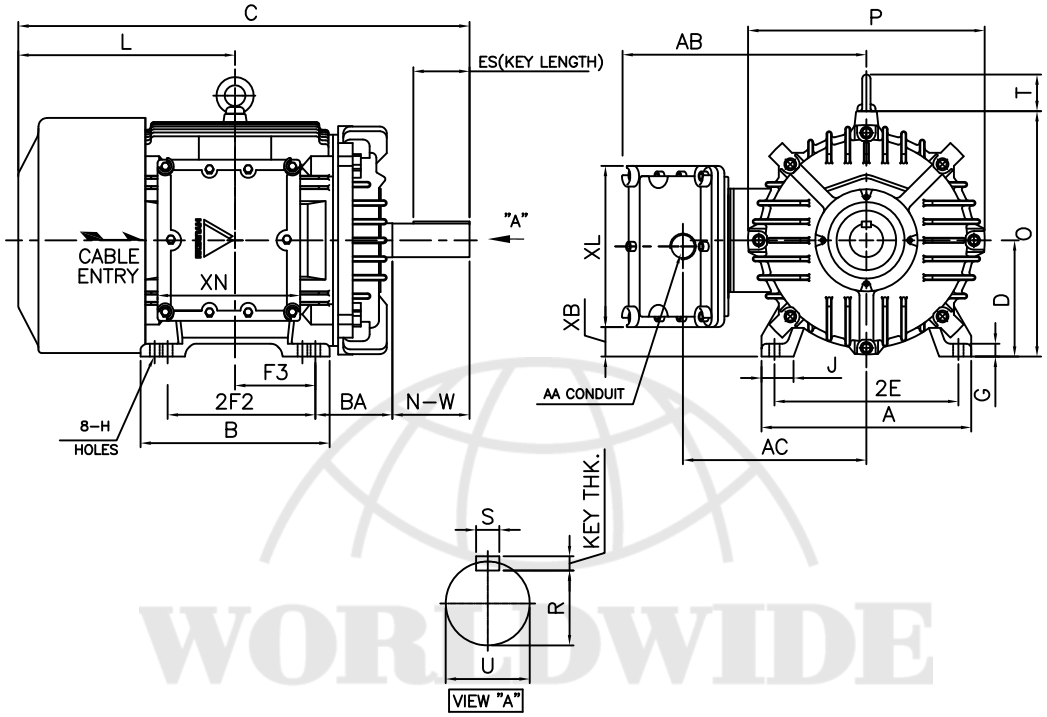
TEFC
THREE PHASE INDUCTION MOTOR

TYPE	XKP,XIP
	Cast iron frame

FRAME SIZE	OUTPUT(HP)	POLES	Hz	TIME RATING
364T			60	CONT



DIMENSIONS

MOUNTING									CONDUIT BOX						APPROX. WGT.(LB)
A	B	2E	2F1	2F2	F3	G	J	H	AA	AB	AC	XB	XL	XN	
15.98	14.41	14.00	–	11.25	6.122	0.98	2.44	0.66	3.00	18.89	14.37	2.24	12.28	10.86	2P: 1047 or 4P: 1113 or 6P: 1113

OVERALL							SHAFT					KEY	BEARING	
BA	C	D	L	O	P	T	U	N–W	KEYWAY			THK.	DRIVE END	OPP. DRIVE END
									R	ES	S			
5.88	34.38	9.00	16.51	18.70	18.03	2.80	2.375	5.88	2.021	4.28	0.625	0.625	6314C3	6213C3

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	2012–02–15

SUBJECT	364T	DWG SIZE A4 (1:15)
TITLE	Outline	

HYUNDAI HEAVY INDUSTRIES CO., LTD.

REF. NO		Sheet No. of
DWG NO	LM–U0364B3TL001	Revision No. 1