

MODEL NUMBER	IEEE7.5-18-213T		
HORSEPOWER	7.5		
RPM / POLES	1800 / 4		
VOLTAGE / PHASE	460 / 3		
FRAME	213T		
ENCLOSURE / DEGREE OF PROTECTION	TEFC / IP55		
FREQUENCY	60 HZ		
FULL LOAD SPEED	1760 RPM		
SERVICE FACTOR	1.15		
INSULATION CLASS	F Class N Varnish		
FULL LOAD AMPS	9.5 A		
LOCKED ROTOR CURRENT (% Full Load)	770 %		
NEMA CODE LETTER	J		
EFFICIENCY / POWER FACTOR	<u>LOAD</u>	<u>EFF.</u>	<u>P.F.</u>
	100 %	91.7 %	79.0 %
	75 %	91.7 %	74.0 %
	50 %	89.5 %	63.0 %
DUTY CYCLE	S1 / Continuous		
TORQUE	<u>FULL LOAD</u>	<u>LRT</u>	<u>BDT</u>
	22.0 lb.ft	190 %	250 %
NEMA DESIGN	B		
MOMENT OF INERTIA	<u>LOAD (Max.)</u>	<u>MOTOR</u>	
	130.518 lb.ft ²	0.570 lb.ft ²	
SOUND PRESSURE LEVEL (No Load 1 M From Motor)	69 dB(A)		
MAX. SHAFT VIBRATION	0.08 In/Sec – Peak Velocity		
NUMBER OF STARTS (Hot / Cold)	2 Hot / 3 Cold		
MAX. AMBIENT TEMPERATURE	40° C		
MAX. ELEVATION	3300 Ft. Above Sea Level		
TEMPERATURE RISE (At Full Load)	80° C		
DRIVE-END BEARING	6307ZC3		
OPPOSITE DRIVE-END BEARING	6307ZC3		
BEARING SEAL TYPE	ProTech™ IP66 Labyrinth On DE and ODE		
GREASE TYPE	Mobil Polyrex EM		
MOUNTING	F1 (F2 Suitable), W6, W8, B3, V5, V6		
ROTATION	Bi-Directional		
APPROXIMATE WEIGHT	150 lbs		
AREA CLASSIFICATION	Class I, Division 2, Groups A, B, C, D, T3A		
PAINT	Epoxy		
INVERTER RATING	10:1 CT / 1000:1 VT		
INSULATION TYPE	Hyundai Inverter Shield, Meets NEMA MG1 Part 31		
SPECIFICATION - In Accordance With	IEEE-841, Version 2009, NEMA, CSA		



CC 038A



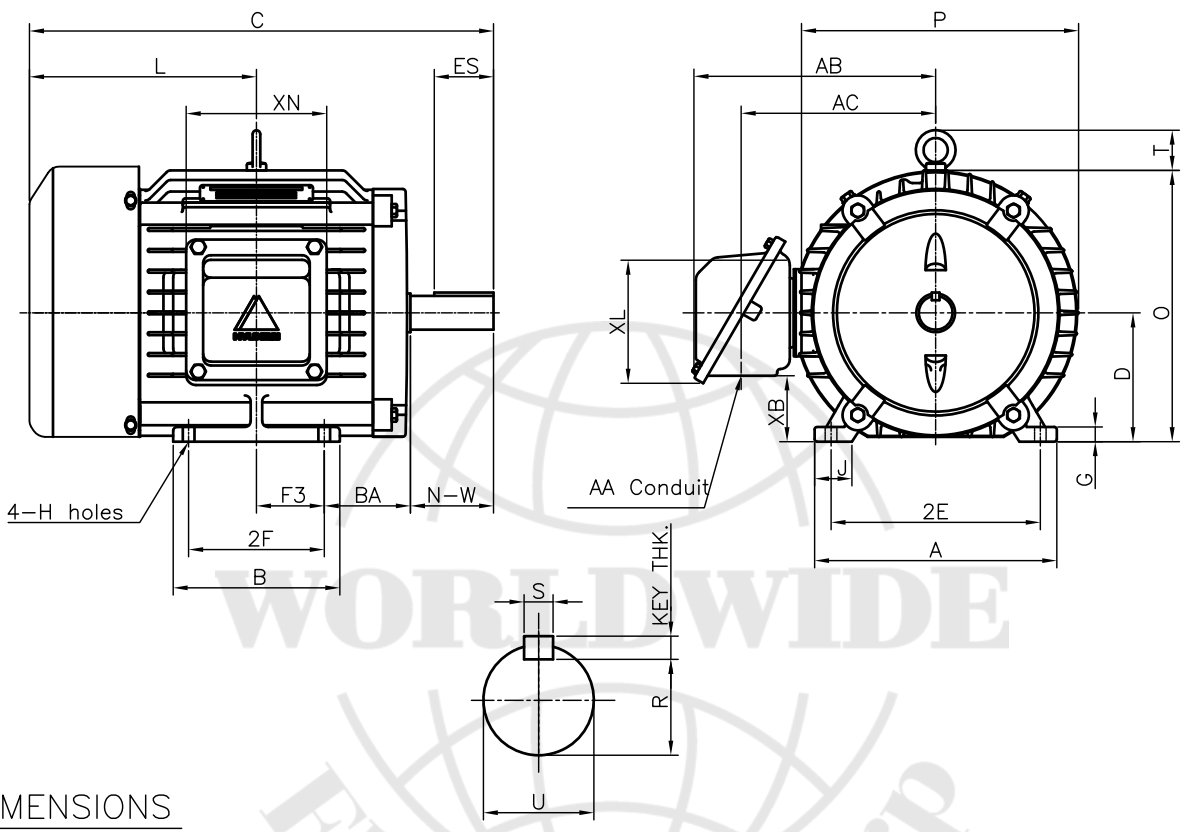


IEEE 841 TEFC
THREE PHASE INDUCTION MOTOR

TYPE

LP,JP
 CAST IRON FRAME

FRAME SIZE	OUTPUT(HP)	POLES	Hz	TIME RATING



DIMENSIONS

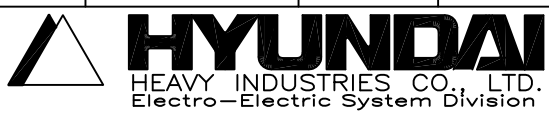
MOUNTING									CONDUIT BOX						APPROX. WGT.(LB)
A	B	2E	2F	-	F3	G	J	H	AA	AB	AC	XB	XL	XN	
9.85	6.77	8.50	5.50	-	2.75	0.60	1.52	0.41	1.00	9.82	7.90	2.67	5.97	5.71	150

OVERALL								SHAFT			KEY THK.	BEARING		
BA	C	D	L	O	P	T	U	N-W	KEYWAY			DRIVE END	OPP. DRIVE END	
									R	ES	S			
3.50	18.86	5.25	9.22	11.02	11.26	1.63	1.375	3.38	1.201	2.41	0.312	0.312	6307ZC3	6307ZC3

NOTE

- 1.Dimension "D" tolerance : +0.00inch - 0.03inch
- 2.Dimension "U" tolerance : +0.000inch - 0.0005inch
- 3.Dimension "R" tolerance : +0.000inch - 0.015inch

APPD BY	J.H.KIM	UNIT	INCH	SUBJECT	NEMA 213T	CAD PROJ \ FILE
CHKD BY	N.D.LEE	SCALE	1/8			SCALE-NEMA\A1105AA
CHKD BY	K.S.LEE	PROJEC'N	3rd Angle	TITLE OUTLINE		
DSND BY	S.W.SEO	DATE	2010.12.20			

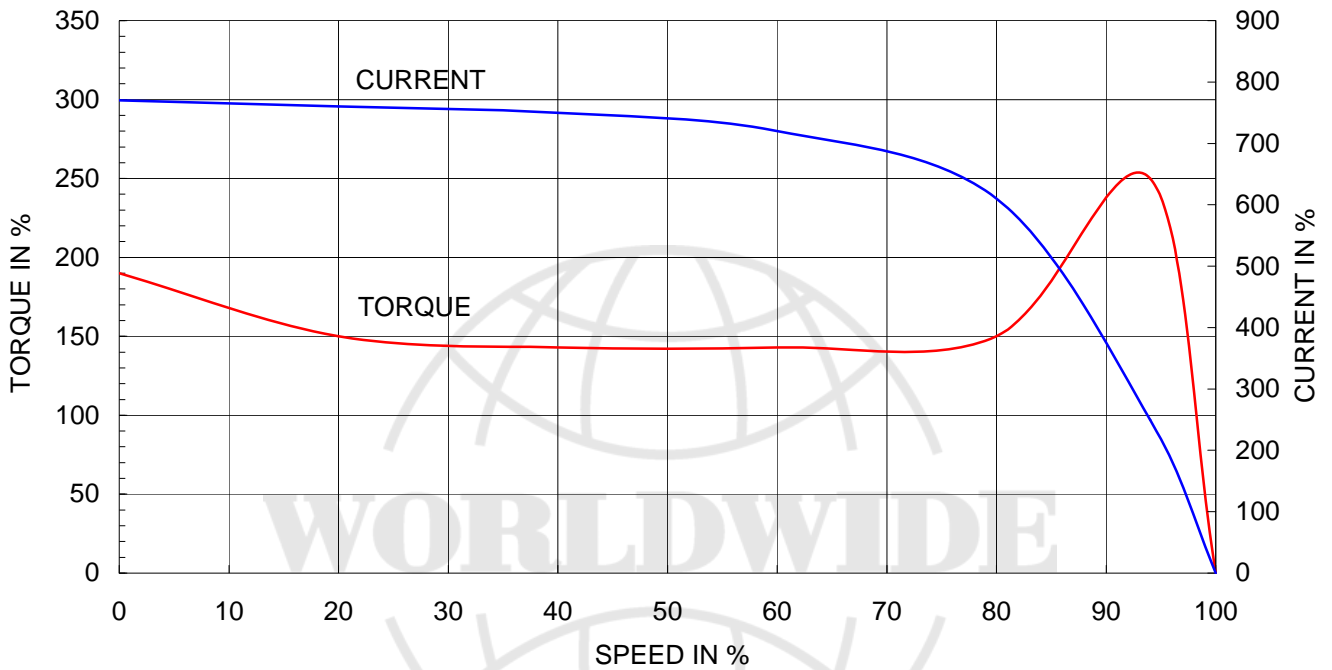


REF. NO	350A8105AA	Sheet No. of
DWG NO	350A8105AA	Revision No. 0

Type	:	PKP
Full Load Torque	:	22.0 lb.ft
Motor moment of Inertia (J)	:	0.570 lb.ft ²
Load moment of Inertia (J)	:	130.518 lb.ft ²

5.5 kW	7.5 HP	60 Hz
4 P	Rated Speed : 1760 RPM	
Rated Voltage	460V	
Full Load Current	9.5A	

SPEED VS TORQUE & CURRENT CURVE



OUTPUT VS EFF., P.F & CURRENT CURVE

