

MODEL NUMBER	HHI10-18-215T		
HORSEPOWER	10		
RPM / POLES	1800 / 4		
VOLTAGE / PHASE	230 / 460 V / 3		
FRAME	215T		
ENCLOSURE / DEGREE OF PROTECTION	TEFC / IP54		
FREQUENCY	60 HZ		
FULL LOAD SPEED	1760 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	25.6 / 12.8 A		
LOCKED ROTOR CURRENT (% Full Load)	750 / 750 %		
NEMA CODE LETTER	J		
EFFICIENCY / POWER FACTOR	<u>LOAD</u>	<u>EFF.</u>	<u>P.F.</u>
	100 %	91.7 %	80.5 %
	75 %	91.7 %	76.0 %
	50 %	89.7 %	66.0 %
DUTY CYCLE	S1 / Continuous		
TORQUE	<u>FULL LOAD</u>	<u>LRT</u>	<u>BDT</u>
	30.0 lb.ft.	180 %	240 %
NEMA DESIGN	B		
MOMENT OF INERTIA	<u>LOAD (Max.)</u>	<u>MOTOR</u>	
	177.979 lb.ft. ²	0.712 lb.ft. ²	
SOUND PRESSURE LEVEL (No Load 1 M From Motor)	69 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	6307ZZC3		
OPPOSITE DRIVE-END BEARING	6307ZZC3		
GREASE TYPE	Mobil Polyrex EM		
MOUNTING	F1 (F2 Suitable), W6, W8, B3, V5, V6		
ROTATION	Bi-Directional		
APPROXIMATE WEIGHT	165 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





TEFC

TYPE

KP,IP

CAST IRON FRAME

THREE PHASE INDUCTION MOTOR

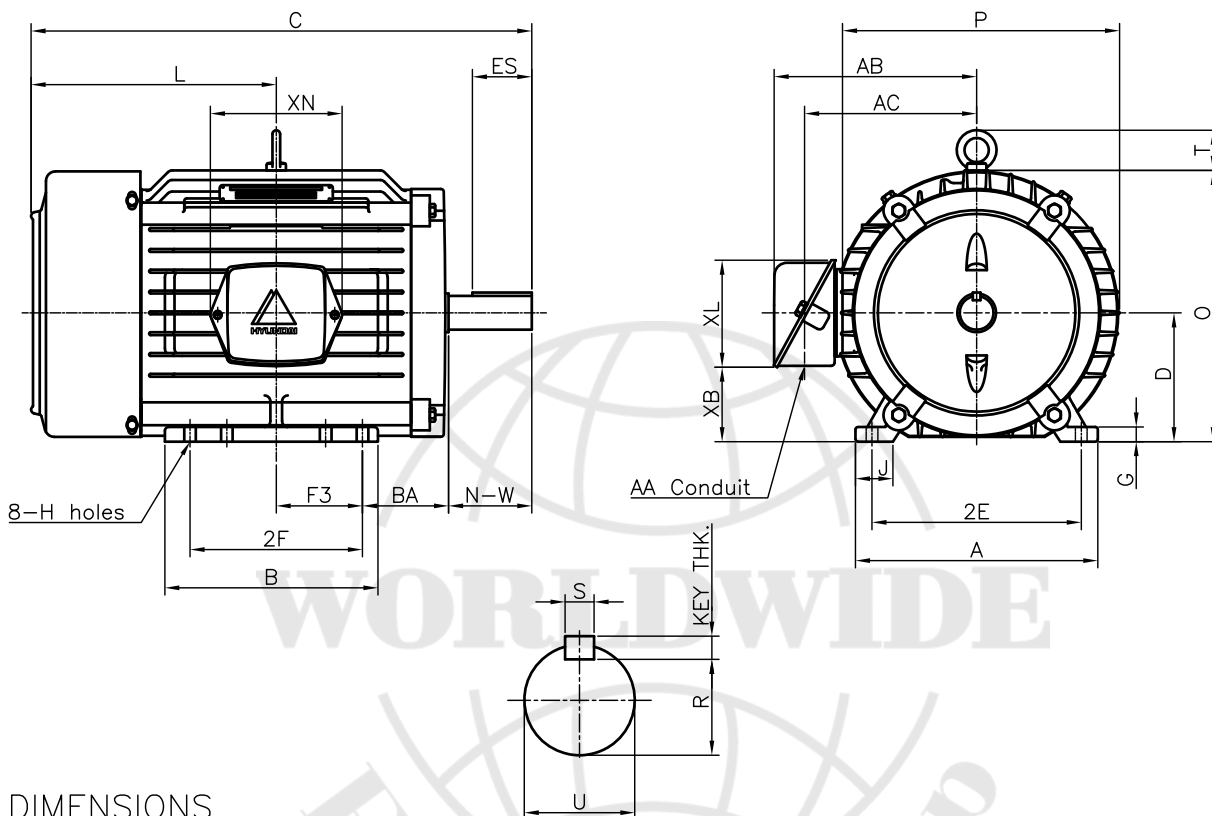
FRAME SIZE

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	2F	—	F3	G	J	H	AA	AB	AC	XB	XL	XN	
9.84	8.66	8.50	7.00	—	3.50	0.60	1.52	0.41	1.00	8.23	7.34	3.03	4.35	5.35	165

O V E R A L L							S H A F T					KEY THK.	BEARING	
BA	C	D	L	O	P	T	U	N-W	KEYWAY				DRIVE END	OPP. DRIVE END
									R	ES	S			
3.50	20.36	5.25	9.97	11.02	11.26	1.63	1.375	3.38	1.201	2.41	0.312	0.312	6307ZZC3	6307ZZC3

NOTE

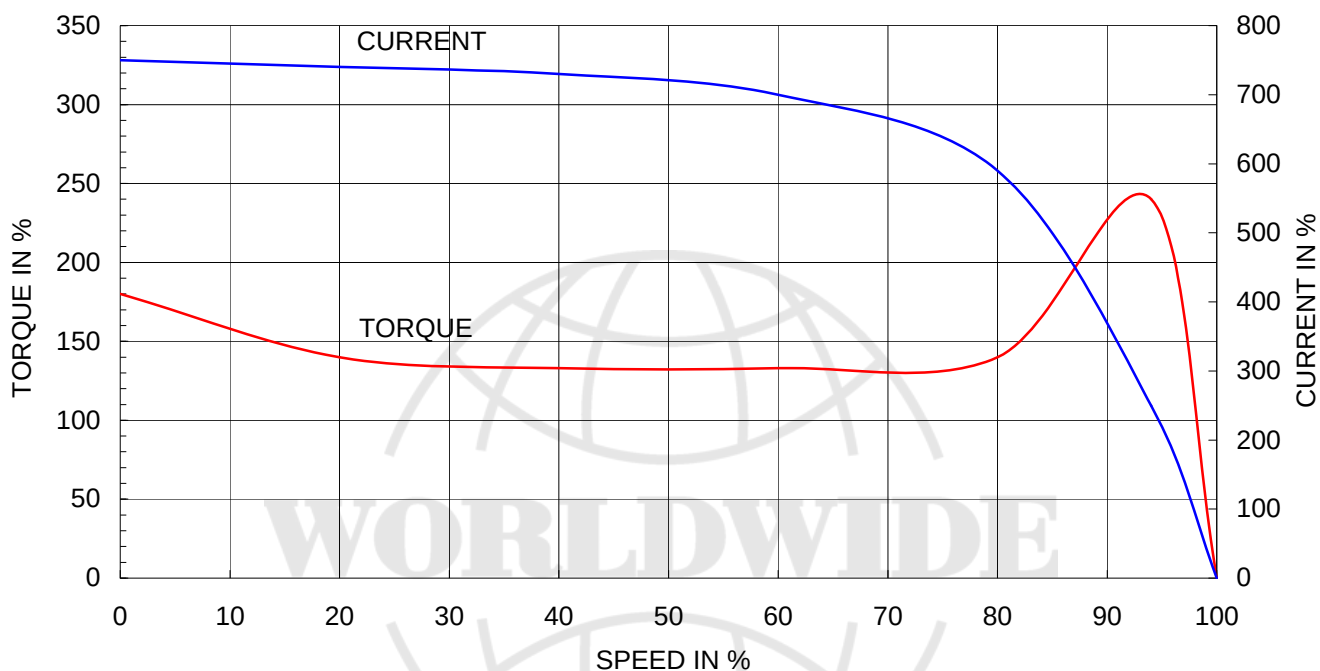
- 1.Dimension "D" tolerance : +0.00inch - 0.03inch
- 2.Dimension "U" tolerance : +0.000inch - 0.0005inch
- 3.Dimension "R" tolerance : +0.000inch - 0.015inch

APPD BY	J.H.KIM	UNIT	INCH	SUBJECT	NEMA 215T	CAD PROJ \ FILE
CHKD BY	N.D.LEE	SCALE	1/8	TITLE		
CHKD BY	K.S.LEE	PROJEC'N	3rd Angle			
DSND BY	S.W.SEO	DATE	2010.12.20			
				REF. NO	350A1106AA	Sheet No. of
				DWG NO	350A1106AA	Revision No. 0

Type	:	PKP
Full Load Torque	:	30.0 lb.ft
Motor moment of Inertia (J)	:	0.712 lb.ft ²
Load moment of Inertia (J)	:	177.979 lb.ft ²

7.5 kW		10 HP		60 Hz	
4 P		Rated Speed : 1760 RPM			
Rated Voltage	575V	460V	230V		
Full Load Current	10.2A	12.8A	25.6A		

SPEED VS TORQUE & CURRENT CURVE



OUTPUT VS EFF., P.F & CURRENT CURVE

