

MODEL NUMBER	HHI15-18-254TCRD		
HORSEPOWER	15		
RPM / POLES	1800 / 4		
VOLTAGE / PHASE	230 / 460 V / 3		
FRAME	254TC – Round Body		
ENCLOSURE / DEGREE OF PROTECTION	TEFC / IP54		
FREQUENCY	60 HZ		
FULL LOAD SPEED	1775 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	36.6 / 18.3 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 %	92.4 %	81.5 %
	75 %	92.4 %	77.8 %
	50 %	91.4 %	69.6 %
DUTY CYCLE	S1 / Continuous		
TORQUE	<u>FULL LOAD</u>	<u>LRT</u>	<u>BDT</u>
	43.7 lb.ft.	200 %	240 %
NEMA DESIGN	B		
MOMENT OF INERTIA	<u>LOAD (Max.)</u>	<u>MOTOR</u>	
	213.574 lb.ft. ²	2.136 lb.ft. ²	
SOUND PRESSURE LEVEL (No Load 1 M From Motor)	73 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	6309ZC3		
OPPOSITE DRIVE-END BEARING	6309ZC3		
GREASE TYPE	Mobil Polyrex EM		
MOUNTING	F1 (F2 Suitable), W6, W8, B3, V5, V6		
ROTATION	Bi-Directional		
APPROXIMATE WEIGHT	260 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

THREE PHASE INDUCTION MOTOR

TYPE

LP, JP

CAST IRON FRAME

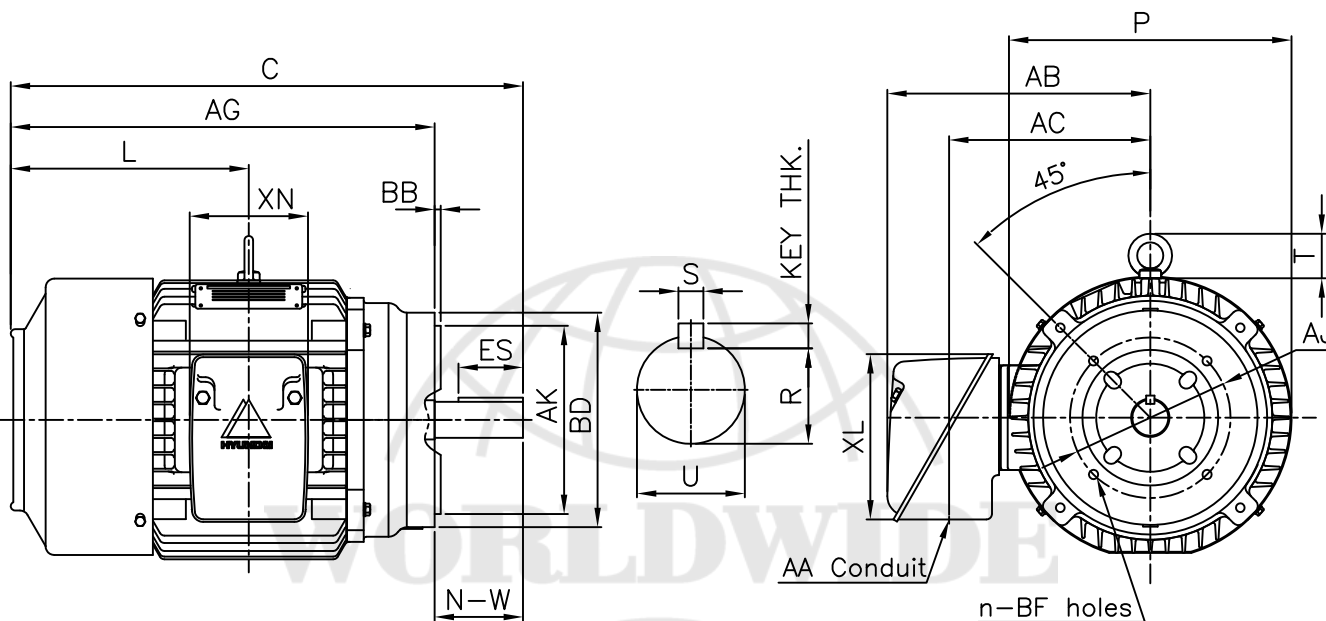
FRAME SIZE

OUTPUT(HP)

POLES

Hz

TIME RATING



DIMENSIONS

F L A N G E						CONDUIT BOX					APPROX. WGT.(LB)
AJ	AK	BD	BB	BF	n	AA	AB	AC	XL	XN	
7.25	8.50	9.68	0.25	1/2-13	4	1.25	11.88	9.08	7.56	6.61	260

O V E R A L L					S H A F T					BEARING		
AG	C	L	P	T	U	N-W	KEYWAY			KEY THK.	DRIVE END	OPP. DRIVE END
							R	ES	S			
19.13	23.13	10.75	12.76	2.01	1.625	4.00	1.416	2.91	0.375	0.375	6309ZC3	6309ZC3

NOTE

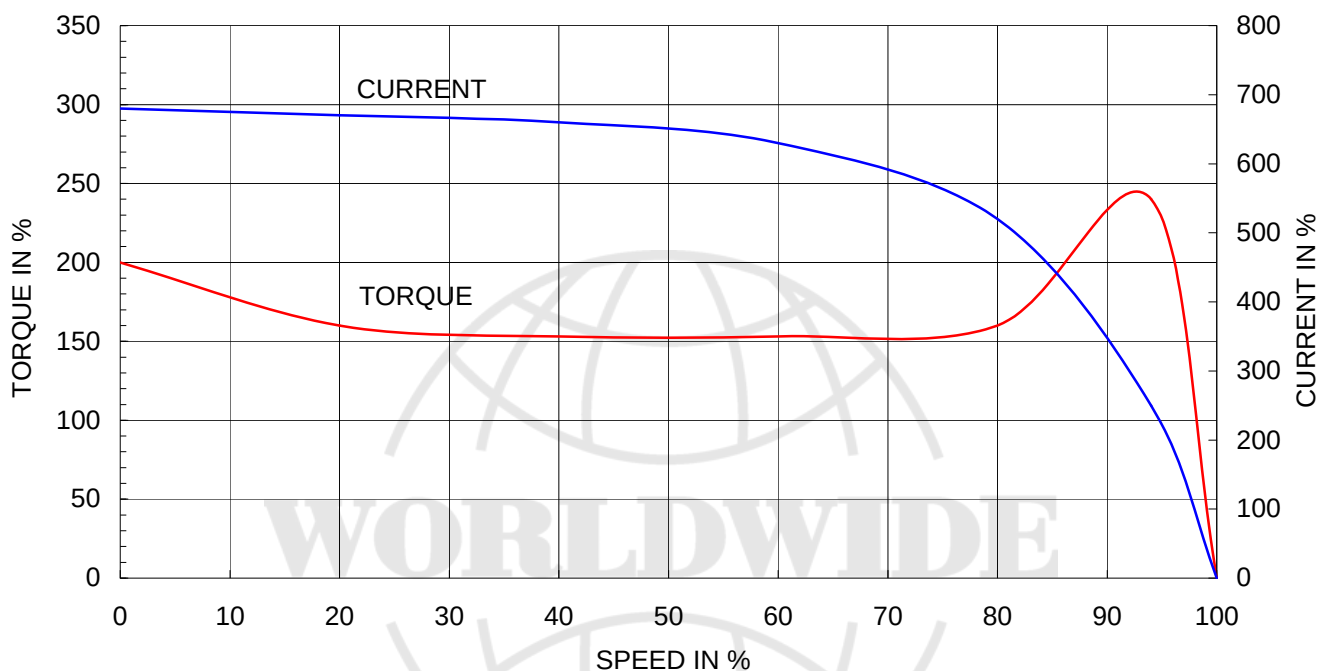
1. Dimension "U" tolerance : +0.000inch - 0.001inch
2. Dimension "R" tolerance : +0.000inch - 0.015inch
3. Dimension "AK" tolerance : +0.000inch - 0.003inch

APPD BY	Y. S. KIM	UNIT	mm	SUBJECT	NEMA 254TC	CAD PROJ \ FILE
CHKD BY	S. H. KO	SCALE	1/8	TITLE	OUTLINE	XSDNKS\A1507AA
CHKD BY		PROJEC'N	3rd Angle			
DSND BY	LEE KWANG SOO	DATE	2004.07.08			
				REF. NO	A1507AA	Sheet No. of
				DWG NO	350A1507AA	Revision No. 0

Type :	PLP
Full Load Torque :	43.7 lb.ft
Motor moment of Inertia (J) :	2.136 lb.ft ²
Load moment of Inertia (J) :	213.574 lb.ft ²

11 kW	15 HP	60 Hz
4 P	Rated Speed : 1775 RPM	
Rated Voltage	575V	460V
Full Load Current	14.6A	18.3A

SPEED VS TORQUE & CURRENT CURVE



OUTPUT VS EFF., P.F & CURRENT CURVE

