

MODEL NUMBER	HHI100-18-405TCRD		
HORSEPOWER	100		
RPM / POLES	1800 / 4		
VOLTAGE / PHASE	230 / 460 V / 3		
FRAME	405TC – Round Body		
ENCLOSURE / DEGREE OF PROTECTION	TEFC / IP55		
FREQUENCY	60 HZ		
FULL LOAD SPEED	1780 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	228.1 / 114.1 A Usable On 208 V At 252 A		
LOCKED ROTOR CURRENT (% Full Load)	650 / 650 %		
NEMA CODE LETTER	G		
EFFICIENCY / POWER FACTOR	<u>LOAD</u>	<u>EFF.</u>	<u>P.F.</u>
	100 %	95.4 %	86.5 %
	75 %	95.4 %	84.5 %
	50 %	94.1 %	78.4 %
DUTY CYCLE	S1 / Continuous		
TORQUE	<u>FULL LOAD</u>	<u>LRT</u>	<u>BDT</u>
	296.8 lb.ft.	140 %	220 %
NEMA DESIGN	B		
MOMENT OF INERTIA	<u>LOAD (Max.)</u>	<u>MOTOR</u>	
	1337.213 lb.ft. ²	35.910 lb.ft. ²	
SOUND PRESSURE LEVEL (No Load 1 M From Motor)	80 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	6316C3		
OPPOSITE DRIVE-END BEARING	6313C3		
GREASE TYPE	Mobil Polyrex EM		
MOUNTING	F1 (F2 Suitable), W6, W8, B3, V5, V6		
ROTATION	Bi-Directional		
APPROXIMATE WEIGHT	1110 lbs.		
AREA CLASSIFICATION	Class I, Division 2, Groups A, B, C, D		
INVERTER RATING	10:1 CT / 20:1 VT - Meets NEMA MG1 Part 31		
SPECIFICATION - In Accordance With	NEMA, CSA		



CC 038A

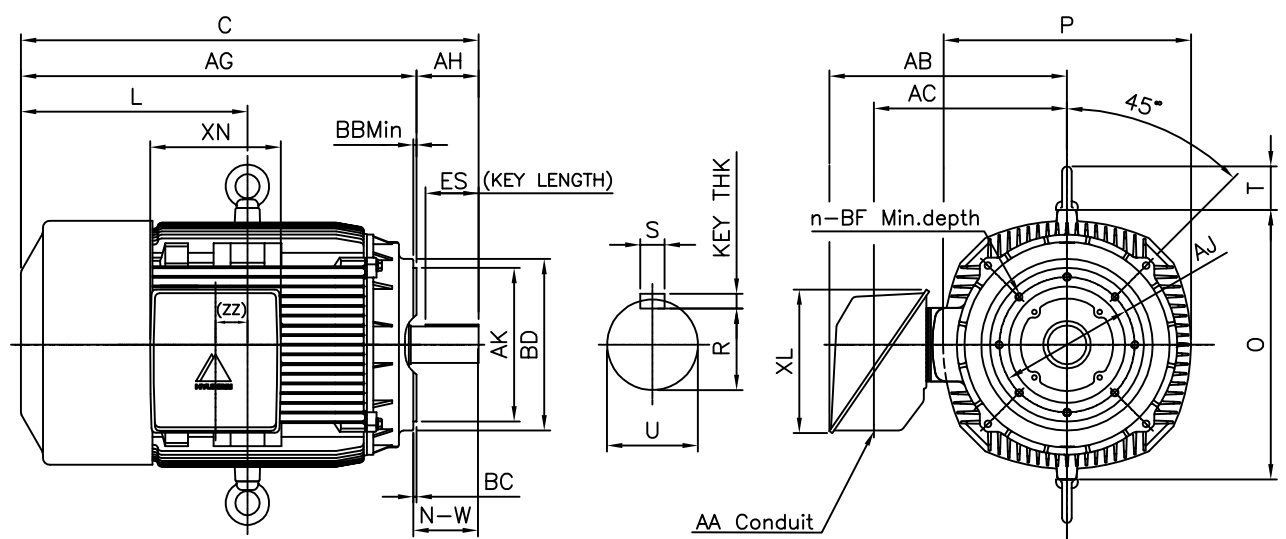


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HYUNDAI HEAVY INDUSTRIES CO., LTD.	<h2 style="margin: 0;">TEFC</h2> <p style="margin: 0;">THREE PHASE INDUCTION MOTOR</p>	<h3 style="margin: 0;">TYPE</h3>	LP, JP <hr/> Cast iron frame
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FRAME SIZE	OUTPUT(HP)	POLES	Hz	TIME RATING
405TC			60	CONT



DIMENSIONS

C - F A C E										CONDUIT BOX				APPROX. WGT.(LB)
AJ	AK	BB Min	BC	BD	BF	BF depth	n	AH	AA	AB	AC	XL	XN	
11.00	12.50	0.25	0.25	13.78	5/8-11	0.94	8	7.00	3.00	20.28	14.85	11.65	10.63	1220

O V E R A L L							S H A F T			KEY	BEARING			
C	L	O	P	T	AG	ZZ	U	N-W	KEYWAY			THK.	DRIVE END	OPP. DRIVE END
									R	ES	S			
39.42	18.68	22.20	19.69	3.55	32.17	2.598	2.875	7.25	2.450	5.65	0.750	0.750	6316C3	6313C3

NOTE

- Dimension "U" tolerance : +0.000inch ~ -0.0005inch (143TC-215TC): +0.000inch ~ -0.001inch (254TC-449TC)
- Dimension "R" tolerance : +0.000inch ~ - 0.015inch
- Dimension "AK" tolerance : +0.000inch ~ -0.003inch (143TC-286TC): +0.000inch ~ -0.005inch (324TC-449TC)

APPD BY	K.J. KANG	UNIT	INCH	SUBJECT	405TC	CAD PROJ \ FILE	MMSTDMTR\A1516AA
CHKD BY	N.D. LEE	SCALE	N/S	<h2 style="margin: 0;">OUTLINE</h2>			
CHKD BY		PROJEC'N	3rd Angle				
DSND BY	A.L. SHIN	DATE	2011.02.09				
HYUNDAI HEAVY INDUSTRIES CO., LTD. Electro-Electric System Division				REF. NO	A1516AA	Sheet No. of	
				DWG NO	350A1516AA	Revision No. 0	