

MODEL NUMBER	HHI200-18-447TC		
HORSEPOWER	200		
RPM / POLES	1800 / 4		
VOLTAGE / PHASE	460 V / 3		
FRAME	447TC		
ENCLOSURE / DEGREE OF PROTECTION	TEFC / IP54		
FREQUENCY	60 HZ		
FULL LOAD SPEED	1785 RPM		
SERVICE FACTOR	1.15 SF at 40° C / 1.0 SF at 65° C		
INSULATION CLASS	F Class N Varnish		
FULL LOAD AMPS; 460	222.4 A		
LOCKED ROTOR CURRENT (% Full Load)	700 %		
NEMA CODE LETTER	G		
EFFICIENCY / POWER FACTOR	<u>LOAD</u>	<u>EFF.</u>	<u>P.F.</u>
	100 %	96.2 %	88.0 %
	75 %	96.3 %	86.2 %
	50 %	95.4 %	80.6 %
DUTY CYCLE	S1 / Continuous		
TORQUE	<u>FULL LOAD</u>	<u>LRT</u>	<u>BDT</u>
	592.8 lb.ft.	140 %	220 %
NEMA DESIGN	B		
MOMENT OF INERTIA	<u>LOAD (Max.)</u>	<u>MOTOR</u>	
	2307.790 lb.ft. ²	73.030 lb.ft. ²	
SOUND PRESSURE LEVEL (No Load 1 M From Motor)	83 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	6318C3		
OPPOSITE DRIVE-END BEARING	6316C3		
GREASE TYPE	Mobil Polyrex EM		
MOUNTING	F1 (F2 Suitable), W6, W8, B3, V5, V6		
ROTATION	Bi-Directional		
APPROXIMATE WEIGHT	1860 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		



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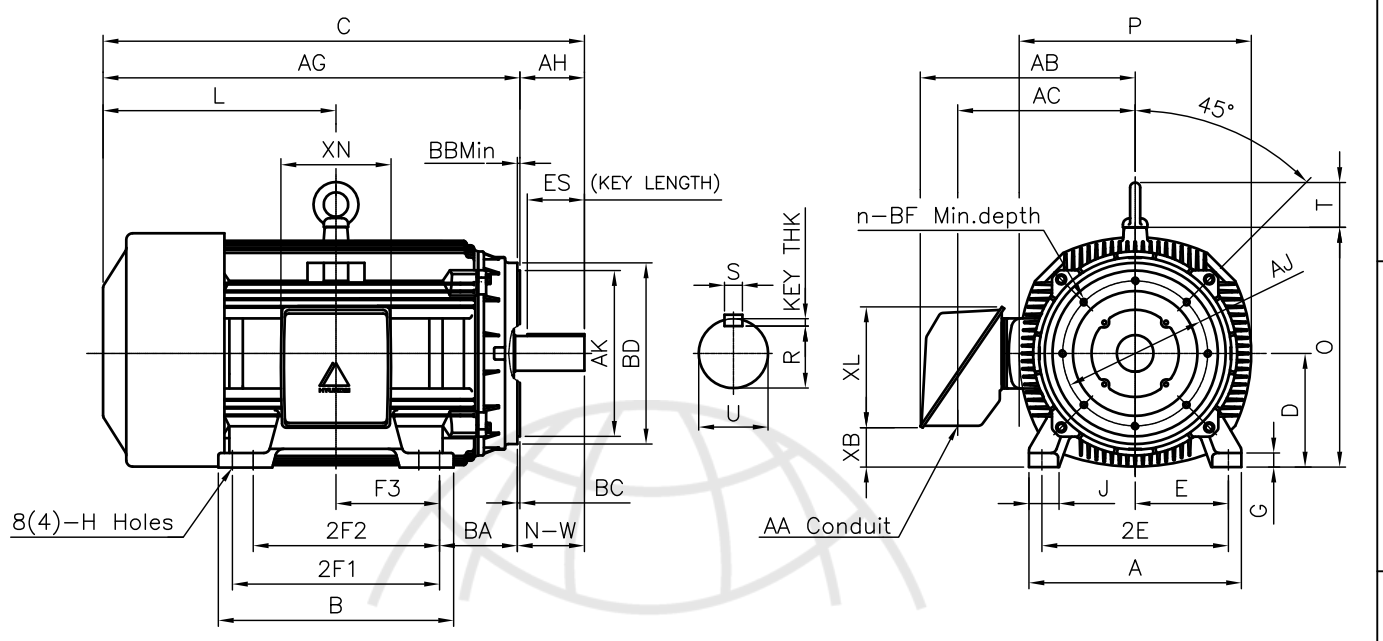


본 도면은 현대중공업(주) 재산이므로
허가없이 복사할 수 없음 (취급유의)

THIS DRAWING IS PROPRIETARY TO HHI. NO PART OF THIS DRAWING
MAYBE REPRODUCED WITHOUT THE PERMISSION OF HHI.

		<h1>TEFC</h1>		TYPE LP, JP
		THREE PHASE INDUCTION MOTOR		Cast iron frame

FRAME SIZE	OUTPUT(HP)	POLES	Hz	TIME RATING
447TC			60	CONT



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	2F1	2F2	F3	G	J	H	AA	AB	AC	XB	XL	XN	
20.51	22.72	18.00	20.00	(17.99)	10.000	1.42	3.07	0.81	3.00	21.26	18.03	3.83	11.65	10.63	1970

O V E R A L L								S H A F T					KEY	BEARING	
BA	C	D	L	O	P	T	AG	U	N-W	KEYWAY			THK.	DRIVE END	OPP. DRIVE END
										R	ES	S			
7.50	48.71	11.00	22.71	23.19	22.44	4.33	40.21	3.375	8.50	2.880	6.93	0.875	0.875	6318C3	6316C3

D - F L A N G E								
AJ	AK	BB Min	BC	BD	BF	BF depth	n	AH
14.00	16.00	0.25	0.25	16.93	5/8-11	0.94	8	8.25

NOTE

- Dimension "D" tolerance : +0.00inch ~ -0.03inch (143TC-365TC) : +0.000inch ~ -0.06inch (404TC-449TC)
- 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)

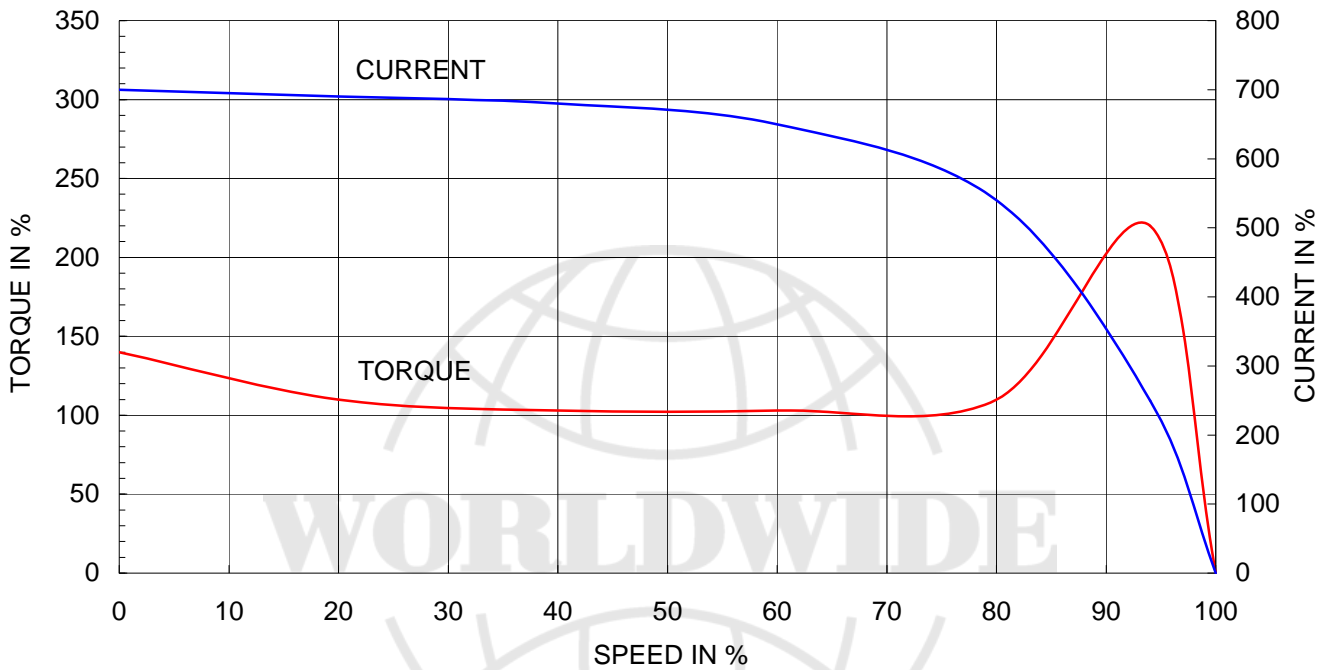
APPD BY	K.J. KANG	UNIT	INCH	SUBJECT	447TC	CAD PROJ \ FILE	
CHKD BY		SCALE	N/S	TITLE	<h2>OUTLINE</h2>	MMSTDMTR\A1319AA	
CHKD BY		PROJEC'N	3rd Angle				
DSND BY	N.D.LEE	DATE	2011.02.09				

		REF. NO	A1319AA	Sheet No. of	
		DWG NO	350A1319AA	Revision No.	0

Type	: PLP
Full Load Torque	: 592.0 lb.ft
Motor moment of Inertia (J)	: 73.030 lb.ft ²
Load moment of Inertia (J)	: 2307.790 lb.ft ²

150 kW	200 HP	60 Hz
4 P	Rated Speed	: 1785 RPM
Rated Voltage	575V	460V
Full Load Current	177.9A	222.4A

SPEED VS TORQUE & CURRENT CURVE



OUTPUT VS EFF., P.F & CURRENT CURVE

