

HIGEN		INDUCTION MOTOR DATA SHEET		10 HP - 6 P	
MODEL: I10HU8HIDS		CUSTOMER :		REV. NO :	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		160M		OUTPUT 7.5 kW 10 HP	
ENCLOSURE	<input type="checkbox"/> DRIP PROOF		POLES		6 POLES
	<input checked="" type="checkbox"/> TOTALLY ENCLOSED		ROTOR TYPE		SQUIRREL CAGE
	<input type="checkbox"/> Increased Safety Exp.-proof		STARTING METHOD		<input type="checkbox"/> D.O.L <input checked="" type="checkbox"/> Y-
PROTECTION	IP 54				<input type="checkbox"/> REACTOR ( %TAP) <input type="checkbox"/> V.V.V.F
METHODS OF COOLING		<input type="checkbox"/> SC <input type="checkbox"/> FC <input checked="" type="checkbox"/> AO		<input type="checkbox"/> SOFT-STARTER	
FREQUENCY		60 Hz		RATED VOLTAGE 380 V V	
PHASE		3 PHASE		CURRENT	
SERVICE FACTOR		1.0		NO LOAD 7.5 A A	
INSULATION CLASS		F CLASS		FULL LOAD 16.3 A A	
TEMP. RISE AT FULL LOAD (at S.F 1.0)				STARTING 117.4 A A	
RES. METHOD		105		EFFICIENCY	
THERMO. METHOD				AT 1/2 LOAD - %	
LOCATION		<input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR		AT 3/4 LOAD - %	
ALTITUDE		1000 m		AT FULL LOAD 89.5 %	
HUMIDITY		90 %		POWER FACTOR	
AMBIENT TEMPERATURE		-10~40		AT 1/2 LOAD - %	
RATING		<input checked="" type="checkbox"/> CONT. <input type="checkbox"/> %ED		AT 3/4 LOAD - %	
NEMA DESIGN		B		AT FULL LOAD 78.0 %	
MOUNTING		<input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5		SPEED (AT FULL LOAD) 1146 rpm	
BEARING	TYPE	BALL		TORQUE	
	DEW-DE	6309ZZ/6309ZZ		FULL LOAD 6.4 kg-m 100%	
	LUBRICANT	GREASE		LOCKED ROTOR 9.6 kg-m 150%	
COUPLING METHOD		<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		BREAKDOWN 11.5 kg-m 180%	
ROTATION(Facing Drive End)		<input checked="" type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		NOISE LEVEL 70.0 dB(A)	
SHAFT				VIBRATION 30.0 $\mu$ m	
EXTENSION		DOUBLE		ALLOWABLE LOAD GD <sup>2</sup> REFERRED TO MOTOR SHAFT	
EXTERNAL THRUST				(AT DIRECT ON-LINE) 78.0 kg-m <sup>2</sup>	
TERMINAL BOX				Motor GD <sup>2</sup> 0.1434 kg-m <sup>2</sup>	
MAIN		<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST		MOTOR APPROX. WEIGHT 143.0 kg	
AUX.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		PAINTING MUNSSELL NO. 5 PB 8/2.5	
BOX LOCATION		LEFT (Viewed from Drive end)		THICKNESS <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> $\mu$ m	
APPLICATION STANDARDS		IEC.KS			
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
			OUTLINE DIMENSION		
			Speed Vs Torque, current Curve		
NOTE			REMARKS		
1. THESE DATA ARE ONLY DESIGN VALUES AND SHALL BE GUARANTEED WITH TOLERANCE OF APPLICATION STANDARDS.			1. ABOVE ALL DATA ARE CALCULATED AT 100% VOLTAGE.		
2. OTHERS NOT MENTIONED IN THIS SHEET SHALL BE IN ACCORDANCE WITH OTIS STANDARD.					
FC : FAN COOLED SC : SELF COOLED			DATE PREPARED CHECKED APPROVED		
AO : AIR OVER			2006-05.03 B.K.KIM J.S.PARK H.T.KIM		