

HIGEN		INDUCTION MOTOR DATA SHEET		7.5 kW - 6 P	
MODEL: I10HE8GH		CUSTOMER :		REV. NO : 0	
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		<input type="checkbox"/> D.O.L <input checked="" type="checkbox"/> Y-	
PROTECTION		IP 54		STARTING METHOD	
METHODS OF COOLING		<input type="checkbox"/> SC <input checked="" type="checkbox"/> FC <input type="checkbox"/>		<input type="checkbox"/> REACTOR (%TAP) <input type="checkbox"/> V.V.V.F	
PHASE		3 PHASE		<input type="checkbox"/> VECTOR DRIVE	
SERVICE FACTOR		1.0		RATED VOLTAGE 415 V V V	
INSULATION CLASS		F CLASS		FREQUENCY 50 Hz	
TEMP. RISE AT FULL LOAD (at S.F 1.0)		CURRENT			
RES. METHOD 105		NO LOAD		7.1 A A A	
THERMO. METHOD		FULL LOAD		15.0 A A A	
		STARTING		105.1 A A A	
LOCATION		<input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR		EFFICIENCY	
ALTITUDE 1000 m				AT 1/2 LOAD %	
HUMIDITY 80 %				AT 3/4 LOAD %	
AMBIENT TEMPERATURE -10~40				AT FULL LOAD 87.5 %	
RATING		<input checked="" type="checkbox"/> CONT. <input type="checkbox"/> %ED		POWER FACTOR	
NEMA DESIGN B				AT 1/2 LOAD %	
MOUNTING		<input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5		AT 3/4 LOAD %	
BEARING		TYPE BALL		AT FULL LOAD 79.5 %	
		DEW-DE 6309ZZ/6307ZZ		SPEED (AT FULL LOAD) 960 rpm	
		LUBRICANT GREASE		TORQUE	
COUPLING METHOD		<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		FULL LOAD 7.6 kg-m 100%	
ROTATION(Facing Drive End)		<input type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		LOCKED ROTOR 11.4 kg-m 150%	
SHAFT				BREAKDOWN 13.7 kg-m 180%	
EXTENSION		SINGLE		NOISE LEVEL 70 dB(A)	
EXTERNAL THRUST				VIBRATION 30.0 μ m	
TERMINAL BOX		ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT			
MAIN		<input type="checkbox"/> STEEL <input type="checkbox"/> AL <input checked="" type="checkbox"/> CAST		(AT DIRECT ON-LINE) 78.0 kg-m ²	
AUX.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Motor GD ² 7.2270 kg-m ²	
BOX LOCATION		LEFT (Viewed from Drive end)		MOTOR APPROX. WEIGHT 112 kg	
APPLICATION STANDARDS		KS.IEC		PAINTING	
				MUNSELL NO. 7.1B 4.0/0.9	
				THICKNESS <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μ m	
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
			OUTLINE DIMENSION		
			SPEED-TORQUE CURVE		
NOTE			REMARKS		
1. THESE DATA ARE ONLY DESIGN VALUES AND SHALL BE			1. ABOVE ALL DATA ARE CALCULATED AT 100% VOLTAGE.		
GUARANTEED WITH TOLERANCE OF APPLICATION STANDARDS.					
2. OTHERS NOT MENTIONED IN THIS SHEET SHALL BE					
IN ACCORDANCE WITH HIGEN STANDARD.					
TE : TOTALLY ENCLOSED DP : DRIP PROOF		DATE		PREPARED	CHECKED
FC : FAN COOLED SC : SELF COOLED		2008-12-18		Y.D.WON	K.I.HA
					APPROVED
					H.T.KIM