

HIGEN		INDUCTION MOTOR DATA SHEET		7.5 KW - 4 P	
MODEL: I10HK1IVH		CUSTOMER :		REV. NO :	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		132M		OUTPUT 7.5 kW 10 HP	
ENCLOSURE		<input type="checkbox"/> DRIP PROOF		POLES 4 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 type="checkbox"/> Y-	
PROTECTION		IP 44		STARTING METHOD	
METHODS OF COOLING		<input type="checkbox"/> SC <input checked="" type="checkbox"/> FC <input type="checkbox"/>		<input type="checkbox"/> REACTOR ( %TAP) <input checked="" type="checkbox"/> V.V.V.F	
PHASE		3 PHASE		<input type="checkbox"/> VECTOR DRIVE	
SERVICE FACTOR		1.0		RATED VOLTAGE 220 V 380 V V	
INSULATION CLASS		F CLASS		FREQUENCY 60 Hz	
TEMP. RISE AT FULL LOAD (at S.F 1.0)				CURRENT	
RES. METHOD		105		NO LOAD 11.0 A 6.4 A A	
THERMO. METHOD				FULL LOAD 27.6 A 15.9 A A	
LOCATION		<input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR		STARTING 179.4 A 103.6 A A	
ALTITUDE		1000 m		EFFICIENCY	
HUMIDITY		80 %		AT 1/2 LOAD %	
AMBIENT TEMPERATURE		-10~40		AT 3/4 LOAD %	
RATING		<input checked="" type="checkbox"/> CONT. <input type="checkbox"/> %ED		AT FULL LOAD 89.0 %	
NEMA DESIGN		B		POWER FACTOR	
MOUNTING		<input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5		AT 1/2 LOAD %	
BEARING		TYPE BALL		AT 3/4 LOAD %	
		DEW-DE 6208ZZ/6206ZZ		AT FULL LOAD 80.0 %	
		LUBRICANT GREASE		SPEED (AT FULL LOAD) 1750 rpm	
COUPLING METHOD		<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		TORQUE	
ROTATION(Facing Drive End)		<input checked="" type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		FULL LOAD 4.2 kg-m 100%	
SHAFT				LOCKED ROTOR 6.3 kg-m 150%	
EXTENSION		SINGLE		BREAKDOWN 8.4 kg-m 200%	
EXTERNAL THRUST				NOISE LEVEL 77 dB(A)	
TERMINAL BOX				VIBRATION 30.0 $\mu$ m	
MAIN		<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST		ALLOWABLE LOAD GD <sup>2</sup> REFERRED TO MOTOR SHAFT	
AUX.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		(AT DIRECT ON-LINE) 29.3 kg-m <sup>2</sup>	
BOX LOCATION		LEFT (Viewed from Drive end)		Motor GD <sup>2</sup> 0.1434 kg-m <sup>2</sup>	
APPLICATION STANDARDS		KS.IEC		MOTOR APPROX. WEIGHT 80 kg	
				PAINTING	
				MUNSELL NO. 7.1B 4.0/0.9	
				THICKNESS <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> $\mu$ m	
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
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. FREQUENCY RANGE : 30 ~ 60Hz			
2. OTHERS NOT MENTIONED IN THIS SHEET SHALL BE					
IN ACCORDANCE WITH OTIS STANDARD.					
TE : TOTALLY ENCLOSED DP : DRIP PROOF		DATE	PREPARED	CHECKED	APPROVED
FC : FAN COOLED SC : SELF COOLED		2008.12.10	D,H,KAM	S.H.JO	H.J.KIM