

HIGEN		INDUCTION MOTOR DATA SHEET		1.5 KW - 6 P	
MODEL: I02HK8FAOB		CUSTOMER :		REV. NO :	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.	100L		OUTPUT	1.5 kW 2 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 checked="" type="checkbox"/> D.O.L <input 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"/> VECTOR DRIVE	
PHASE	3 PHASE		RATED VOLTAGE	220 V	380 V V
SERVICE FACTOR	1.0		FREQUENCY	60 Hz	
INSULATION CLASS	F CLASS		CURRENT		
TEMP. RISE AT FULL LOAD (at S.F 1.0)			NO LOAD	4.1 A	2.4 A A
RES. METHOD 105			FULL LOAD	7.3 A	4.2 A A
THERMO. METHOD			STARTING	47.5 A	27.4 A A
LOCATION	<input type="checkbox"/> INDOOR <input checked="" type="checkbox"/> OUTDOOR		EFFICIENCY		
ALTITUDE	1000 m		AT 1/2 LOAD %		
HUMIDITY	80 %		AT 3/4 LOAD %		
AMBIENT TEMPERATURE	-10~40		AT FULL LOAD 78.0 %		
RATING	<input checked="" type="checkbox"/> CONT. <input type="checkbox"/> %ED		POWER FACTOR		
NEMA DESIGN	B		AT 1/2 LOAD %		
MOUNTING	<input type="checkbox"/> B3 <input checked="" type="checkbox"/> B5 <input checked="" type="checkbox"/> V1 <input type="checkbox"/> B3B5		AT 3/4 LOAD %		
BEARING	TYPE	BALL	AT FULL LOAD 69.0 %		
	DEW-DE	6206ZZ/6205ZZ	SPEED (AT FULL LOAD) 1140 rpm		
	LUBRICANT	GREASE	TORQUE		
COUPLING METHOD	<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		FULL LOAD 1.3 kg-m 100%		
ROTATION(Facing Drive End)	<input checked="" type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		LOCKED ROTOR 2.0 kg-m 160%		
SHAFT			BREAKDOWN 2.4 kg-m 190%		
EXTENSION SINGLE			NOISE LEVEL 61 dB(A)		
EXTERNAL THRUST			VIBRATION 30.0 μm		
TERMINAL BOX			ALLOWABLE LOAD GD <sup>2</sup> REFERRED TO MOTOR SHAFT		
MAIN <input type="checkbox"/> STEEL <input checked="" type="checkbox"/> AL <input type="checkbox"/> CAST			(AT DIRECT ON-LINE) 24.7 kg-m <sup>2</sup>		
AUX. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			Motor GD <sup>2</sup> 0.0351 kg-m <sup>2</sup>		
BOX LOCATION LEFT (Viewed from Drive end)			MOTOR APPROX. WEIGHT 27 kg		
APPLICATION STANDARDS KS.IEC			PAINTING	MUNSELL NO.	7.1 B 4.0/0.9
				THICKNESS	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μm
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
			OUTLINE DIMENSION		
			SPEED-TORQUE CURVE		
			TERMINAL BOX DIMENSION		
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 OTIS STANDARD.					
AO : AIR OVER			DATE	PREPARED	CHECKED
FC : FAN COOLED SC : SELF COOLED			2008-10-30	H.J.YI	S.S.YUN
					APPROVED
					H.T.KIM