

HIGEN		INDUCTION MOTOR DATA SHEET		1 HP - 6 P	
MODEL: I01HK8FAOC		CUSTOMER :		REV. NO : 0	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		90L		OUTPUT 0.75 kW 1 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- <input type="checkbox"/> REACTOR ( %TAP) <input type="checkbox"/> V.V.V.F		
PROTECTION	IP 54		SOFT-STARTER <input type="checkbox"/>		
METHODS OF COOLING	<input type="checkbox"/> SC <input type="checkbox"/> FC <input checked="" type="checkbox"/> AO		RATED VOLTAGE 220 V 380 V - V		
PHASE	3 PHASE		FREQUENCY 60 Hz		
SERVICE FACTOR	1.0		CURRENT		
INSULATION CLASS	B CLASS		NO LOAD - A - A - A		
TEMP. RISE AT FULL LOAD (at S.F 1.0)		FULL LOAD 4.2 A 2.4 A - A			
RES. METHOD 80		STARTING 20.2 A 11.7 A - A			
THERMO. METHOD		EFFICIENCY			
LOCATION	<input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR		AT 1/2 LOAD %		
ALTITUDE	1000 m		AT 3/4 LOAD %		
HUMIDITY	90 %		AT FULL LOAD 70.5 %		
AMBIENT TEMPERATURE	-10-40		POWER FACTOR		
RATING	<input checked="" type="checkbox"/> CONT. <input type="checkbox"/> %ED		AT 1/2 LOAD %		
NEMA DESIGN	B		AT 3/4 LOAD %		
MOUNTING	<input type="checkbox"/> B3 <input type="checkbox"/> B5 <input checked="" type="checkbox"/> V1 <input type="checkbox"/> B3B5		AT FULL LOAD 66.5 %		
BEARING	TYPE	BALL		SPEED (AT FULL LOAD) 1150 rpm	
	DEW-DE	6205ZZ/6204ZZ		TORQUE	
	LUBRICANT			FULL LOAD 0.6 kg-m 100%	
COUPLING METHOD	<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		LOCKED ROTOR 1.1 kg-m 170%		
ROTATION(Facing Drive End)	<input checked="" type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		BREAKDOWN 1.1 kg-m 180%		
SHAFT		NOISE LEVEL 61.0 dB(A)			
EXTENSION		SINGLE		VIBRATION 30.0 μm	
EXTERNAL THRUST		ALLOWABLE LOAD GD <sup>2</sup> REFERRED TO MOTOR SHAFT			
TERMINAL BOX		(AT DIRECT ON-LINE) 16.4 kg-m <sup>2</sup>			
MAIN <input type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST		Motor GD <sup>2</sup> 0.0170 kg-m <sup>2</sup>			
AUX. <input type="checkbox"/> YES <input type="checkbox"/> NO		MOTOR APPROX. WEIGHT 20.0 kg			
BOX LOCATION LEFT (Viewed from Drive end)		PAINTING			
APPLICATION STANDARDS IEC, KS		MUNSELL NO. 7.1B 4.0/0.9			
		THICKNESS <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μm			
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
TEMPERATURE DETECTOR			OUTLINE DIMENSION DW-I01HK8FAOF		
WINDING			SPEED VS TORQUE, CURRENT CURVE ST-I01HK8FAOF		
TYPE					
BEARING					
TYPE					
SPACE HEATER					
RATING					
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.					
TE : TOTALLY ENCLOSED DP : DRIP PROOF		DATE		PREPARED	CHECKED
FC : FAN COOLED SC : SELF COOLED		2006.06.27		H.G.HAN	H.J.KIM
				APPROVED	H.T.KIM