

HIGEN		INDUCTION MOTOR DATA SHEET		3 HP - 4 P	
MODEL: KMI-03HK1		CUSTOMER :		REV. NO : 0	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		112S		OUTPUT 2.2 kW 3 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		STARTING METHOD <input checked="" type="checkbox"/> D.O.L <input type="checkbox"/> Y-		
PROTECTION	IP 44		<input type="checkbox"/> REACTOR (%TAP) <input type="checkbox"/> V.V.V.F		
METHODS OF COOLING	<input type="checkbox"/> SC <input checked="" type="checkbox"/> FC <input type="checkbox"/> AO		<input type="checkbox"/> SOFT-STARTER		
FREQUENCY	60 Hz		RATED VOLTAGE 220 V 380 V V		
PHASE	3 PHASE		CURRENT		
SERVICE FACTOR	1.15		NO LOAD A A A		
INSULATION CLASS	B CLASS		FULL LOAD 8.6 A 5.0 A A		
TEMP. RISE AT FULL LOAD (at S.F 1.0)			STARTING 59.3 A 34.3 A A		
RES. METHOD		80		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 83.0 %		
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 81.0 %		
MOUNTING	<input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5		SPEED (AT FULL LOAD)		1740 rpm
BEARING	TYPE	BALL		TORQUE	
	DEW-DE	6206ZZ/6205ZZ		FULL LOAD 1.2 kg-m 100%	
	LUBRICANT			LOCKED ROTOR 2.2 kg-m 180%	
COUPLING METHOD		<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		BREAKDOWN 2.5 kg-m 200%	
SHAFT			NOISE LEVEL		68.0 dB(A)
EXTENSION		SINGLE		VIBRATION 30.0 μ m	
EXTERNAL THRUST		ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT			
TERMINAL BOX			(AT DIRECT ON-LINE)		12.0 kg-m ²
MAIN		<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST		Motor GD ² 0.03510 kg-m ²	
AUX.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		MOTOR APPROX. WEIGHT 32.0 kg	
BOX LOCATION		LEFT (Viewed from Drive end)		PAINTING	MUNSELL NO. 7.1 B 4.0/0.9
APPLICATION STANDARDS		KS.IEC		THICKNESS	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μ m
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
TEMPERATURE DETECTOR			OUTLINE DIMENSION		DW-H-112S-CA
WINDING				Main Terminal Box	TB-3M95996
TYPE				Speed Vs Torque, current Curve	ST-KMI-03HK1
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-LG STANDARD.					
TE : TOTALLY ENCLOSED		DP : DRIP PROOF		DATE	PREPARED
FC : FAN COOLED		SC : SELF COOLED		2005-11-09	H.G.HAN
				CHECKED	APPROVED
				H.J.KIM	H.T.KIM