

HIGEN		INDUCTION MOTOR DATA SHEET		3 HP - 2 P	
MODEL: KMI-03HK3		CUSTOMER :		REV. NO : 0	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		90L		OUTPUT 2.2 kW 3 HP	
ENCLOSURE	☐ DRIP PROOF		POLES 2 POLES		
	☒ TOTALLY ENCLOSED		ROTOR TYPE SQUIRREL CAGE		
	☐ Increased Safety Exp.-proof		STARTING METHOD ☒ D.O.L ☐ Y-		
PROTECTION	IP 44		☐ REACTOR (%TAP) ☐ V.V.V.F		
METHODS OF COOLING	☐ SC ☒ FC ☐		☐ 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 8.48 A 4.90 A A		
TEMP. RISE AT FULL LOAD (at S.F 1.0)			STARTING 81.44 A 47.02 A A		
RES. METHOD		80		EFFICIENCY	
THERMO. METHOD				AT 1/2 LOAD %	
LOCATION	☒ INDOOR ☐ OUTDOOR		AT 3/4 LOAD %		
ALTITUDE	1000 m		AT FULL LOAD 82.0 %		
HUMIDITY	90 %		POWER FACTOR		
AMBIENT TEMPERATURE	-10~40		AT 1/2 LOAD %		
RATING	☒ CONT. ☐ %ED		AT 3/4 LOAD %		
NEMA DESIGN	B		AT FULL LOAD 83.0 %		
MOUNTING	☒ B3 ☐ B5 ☐ V1 ☐ B3B5		SPEED (AT FULL LOAD) 3480 rpm		
BEARING	TYPE	BALL		TORQUE	
	DEIN-DE	6205ZZ/6204ZZ		FULL LOAD 0.62 kg-m 100%	
	LUBRICANT	-		LOCKED ROTOR 1.05 kg-m 170%	
COUPLING METHOD		☒ DIRECT ☐ V-BELT		BREAKDOWN 1.23 kg-m 200%	
SHAFT			NOISE LEVEL 77.0 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) 2.3 kg-m ²		
MAIN		☒ STEEL ☐ AL ☐ CAST		Motor GD ² 0.01970 kg-m ²	
AUX.		☐ YES ☒ NO		MOTOR APPROX. WEIGHT 24.0 kg	
BOX LOCATION		LEFT (Viewed from Drive end)		PAINTING	MUNSELL NO. 7.1 B 4.0/0.9
APPLICATION STANDARDS		KS.IEC		THICKNESS	☒ STANDARD ☐ μ m
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
TEMPERATURE DETECTOR			OUTLINE DIMENSION		
WINDING		Main terminal box			
TYPE		Aux. Terminal box			
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		2005-09-09	H.Y.WOO
				CHECKED	APPROVED
				H.J.KIM	H.T.KIM