

HIGEN		INDUCTION MOTOR DATA SHEET		3 HP - 2 P	
MODEL: KMI-03HK3F		CUSTOMER :		REV. NO : 0	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		FF165		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- ☐ REACTOR (%TAP) ☐ V.V.V.F		
PROTECTION	IP 44		SOFT-STARTER ☐		
METHODS OF COOLING	☐ SC ☒ FC ☐		RATED VOLTAGE 220 V 380 V V		
FREQUENCY	60 Hz		CURRENT		
PHASE	3 PHASE		NO LOAD A A A		
SERVICE FACTOR	1.15		FULL LOAD 8.48 A 4.90 A A		
INSULATION CLASS	B CLASS		STARTING 81.44 A 47.02 A A		
TEMP. RISE AT FULL LOAD (at S.F 1.0)			EFFICIENCY		
RES. METHOD		80		AT 1/2 LOAD %	
THERMO. METHOD				AT 3/4 LOAD %	
LOCATION	☒ INDOOR ☐ OUTDOOR		AT FULL LOAD 82.0 %		
ALTITUDE	1000 m		POWER FACTOR		
HUMIDITY	90 %		AT 1/2 LOAD %		
AMBIENT TEMPERATURE	-10~40		AT 3/4 LOAD %		
RATING	☒ CONT. ☐ %ED		AT FULL LOAD 83.0 %		
NEMA DESIGN	B		SPEED (AT FULL LOAD) 3480 rpm		
MOUNTING	☐ B3 ☐ B5 ☒ V1 ☐ B3B5		TORQUE		
BEARING	TYPE	BALL		FULL LOAD 0.62 kg-m 100%	
	DEIN-DE	6205ZZ/6204ZZ		LOCKED ROTOR 1.05 kg-m 170%	
	LUBRICANT	-		BREAKDOWN 1.23 kg-m 200%	
COUPLING METHOD		☒ DIRECT ☐ V-BELT		NOISE LEVEL 77.0 dB(A)	
SHAFT		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 26.0 kg	
BOX LOCATION		LEFT (Viewed from Drive end)		PAINTING MUNSSELL 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	CHECKED
FC : FAN COOLED SC : SELF COOLED		2005-09-09		H.Y.WOO	H.J.KIM
				APPROVED	H.T.KIM