

HIGEN		INDUCTION MOTOR DATA SHEET		1 HP - 2 P	
MODEL: KMI-01HK3F		CUSTOMER :		REV. NO : 0	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		FF165		OUTPUT 0.75 kW 1 HP	
ENCLOSURE	☒ DRIP PROOF		POLES 2 POLES		
	☒ TOTALLY ENCLOSED		ROTOR TYPE SQUIRREL CAGE		
	☐ Increased Safety Exp.-proof		☒ D.O.L ☐ Y- ☐ REACTOR (%TAP) ☐ V.V.V.F ☐ SOFT-STARTER		
PROTECTION		IP 44		STARTING METHOD	
METHODS OF COOLING		☐ SC ☒ FC ☐			
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 3.23 A 1.87 A A	
TEMP. RISE AT FULL LOAD (at S.F 1.0)				STARTING 19.07 A 11.01 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 70.0 %	
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 87.0 %	
MOUNTING		☐ B3 ☐ B5 ☒ V1 ☐ B3B5		SPEED (AT FULL LOAD) 3450 rpm	
BEARING	TYPE		BALL		
	DEIN-DE		6204ZZ/6203ZZ		
	LUBRICANT		-		
COUPLING METHOD		☒ DIRECT ☐ V-BELT		TORQUE	
SHAFT				FULL LOAD 0.21 kg-m 100%	
EXTENSION		SINGLE		LOCKED ROTOR 0.38 kg-m 180%	
EXTERNAL THRUST				BREAKDOWN 0.42 kg-m 200%	
TERMINAL BOX				NOISE LEVEL 73.0 dB(A)	
MAIN		☒ STEEL ☐ AL ☐ CAST		VIBRATION 30.0 μ m	
AUX.		☐ YES ☒ NO		ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT	
BOX LOCATION		LEFT (Viewed from Drive end)		(AT DIRECT ON-LINE) 0.8 kg-m ²	
APPLICATION STANDARDS		KS.IEC		Motor GD ² 0.00790 kg-m ²	
				MOTOR APPROX. WEIGHT 16.0 kg	
				PAINTING MUNSSELL NO. 7.1 B 4.0/0.9	
				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		2005-08-29	H.Y.WOO
				CHECKED	APPROVED
				H.J.KIM	H.T.KIM