

HIGEN		INDUCTION MOTOR DATA SHEET		1/2 HP - 6 P	
MODEL: KMI-400K8F		CUSTOMER :		REV. NO : 0	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		FF165		OUTPUT 0.4 kW 1/2 HP	
ENCLOSURE		☐ DRIP PROOF		POLES 6 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 2.49 A 1.43 A A	
TEMP. RISE AT FULL LOAD (at S.F 1.0)				STARTING 10.93 A 6.31 A A	
RES. METHOD		80 °C		EFFICIENCY	
THERMO. METHOD		°C		AT 1/2 LOAD %	
LOCATION		☒ INDOOR ☐ OUTDOOR		AT 3/4 LOAD %	
ALTITUDE		1000 m		AT FULL LOAD 66.0 %	
HUMIDITY		90 %		POWER FACTOR	
AMBIENT TEMPERATURE		-10~40 °C		AT 1/2 LOAD %	
RATING		☒ CONT. ☐ %ED		AT 3/4 LOAD %	
NEMA DESIGN		B		AT FULL LOAD 64.0 %	
MOUNTING		☐ B3 ☐ B5 ☒ V1 ☐ B3B5		SPEED (AT FULL LOAD) 1130 rpm	
BEARING		TYPE BALL		TORQUE	
		DEIN-DE 6204ZZ/6203ZZ		FULL LOAD 0.34 kg-m 100%	
		LUBRICANT -		LOCKED ROTOR 0.59 kg-m 170%	
COUPLING METHOD		☒ DIRECT ☐ V-BELT		BREAKDOWN 0.59 kg-m 170%	
SHAFT				NOISE LEVEL 60.0 dB(A)	
EXTENSION		SINGLE		VIBRATION 30.0 μm	
EXTERNAL THRUST				ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT	
TERMINAL BOX				(AT DIRECT ON-LINE) 11.7 kg-m ²	
MAIN		☒ STEEL ☐ AL ☐ CAST		Motor GD ² 0.00860 kg-m ²	
AUX.		☐ YES ☒ NO		MOTOR APPROX. WEIGHT 20.5 kg	
BOX LOCATION		LEFT (Viewed from Drive end)		PAINTING MUNSELL NO. 7.1 B 4.0/0.9	
APPLICATION STANDARDS		KS.IEC		THICKNESS ☒ STANDARD ☐ μm	
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