

HIGEN		INDUCTION MOTOR DATA SHEET		3 HP - 4 P	
MODEL: KMQ-03HK2L		CUSTOMER :		REV. NO : 0	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO. 112		OUTPUT 2.2 kW 3 HP			
ENCLOSURE		☒ DRIP PROOF		POLES 4 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 22		STARTING METHOD			
METHODS OF COOLING ☐ SC ☐ FC ☐					
PHASE 3 PHASE		RATED VOLTAGE 220 V 380 V - V			
SERVICE FACTOR 1.15		FREQUENCY 60 Hz			
INSULATION CLASS F CLASS		CURRENT			
TEMP. RISE AT FULL LOAD (at S.F 1.0)		NO LOAD - A - A - A			
RES. METHOD 105		FULL LOAD 8.7 A 5.0 A - A			
THERMO. METHOD		STARTING 61.7 A 35.7 A - A			
LOCATION ☒ INDOOR ☐ OUTDOOR		EFFICIENCY			
ALTITUDE 1000 m		AT 1/2 LOAD %			
HUMIDITY 90 %		AT 3/4 LOAD %			
AMBIENT TEMPERATURE -10-40		AT FULL LOAD 82.0 %			
RATING ☒ CONT. ☐ %ED		POWER FACTOR			
NEMA DESIGN B		AT 1/2 LOAD %			
MOUNTING ☒ B3 ☐ B5 ☐ V1 ☐ B3B5		AT 3/4 LOAD %			
BEARING TYPE BALL		AT FULL LOAD 81.0 %			
DEIN-DE 6206ZZ/6205ZZ		SPEED (AT FULL LOAD) 1750 rpm			
LUBRICANT		TORQUE			
COUPLING METHOD ☒ DIRECT ☐ V-BELT		FULL LOAD 1.2 kg-m 100%			
ROTATION(Facing Drive End) ☒ CW ☒ CCW		LOCKED ROTOR 2.2 kg-m 180%			
SHAFT		BREAKDOWN 2.4 kg-m 200%			
EXTENSION SINGLE		NOISE LEVEL 62.0 dB(A)			
EXTERNAL THRUST		VIBRATION 15.0 μ m			
TERMINAL BOX		ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT			
MAIN ☒ STEEL ☐ AL ☐ CAST		(AT DIRECT ON-LINE) 10.5 kg-m ²			
AUX. ☐ YES ☒ NO		Motor GD ² 0.0351 kg-m ²			
BOX LOCATION LEFT (Viewed from Drive end)		MOTOR APPROX. WEIGHT 26.0 kg			
APPLICATION STANDARDS IEC, KS		PAINTING			
		MUNSELL NO. 7.1B 4.0/0.9			
		THICKNESS ☒ STANDARD ☐ μ m			
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
TEMPERATURE DETECTOR			SPEED VS TORQUE, CURRENT CURVE		ST-KMQ-03HK2L
WINDING					
TYPE					
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 STANDARD.			2. ODP TYPE MOTOR		
TE : TOTALLY ENCLOSED DP : DRIP PROOF			DATE	PREPARED	CHECKED
FC : FAN COOLED SC : SELF COOLED			2006.09.15	H.G.HAN	H.J.KIM
					APPROVED
					H.T.KIM