

HIGEN		INDUCTION MOTOR DATA SHEET		1/2 HP - 4 P	
MODEL: KMH-400K1		CUSTOMER :		REV. NO : 0	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.	80		OUTPUT	0.4 kW	1/2 HP
ENCLOSURE	☐ DRIP PROOF		POLES	4 POLES	
	☒ TOTALLY ENCLOSED		ROTOR TYPE	SQUIRREL CAGE	
	☐ Increased Safety Exp.-proof		STARTING METHOD	☒ D.O.L ☐ Y-	
PROTECTION	IP 54			☐ REACTOR (%TAP) ☐ V.V.V.F	
METHODS OF COOLING	☐ SC ☒ FC ☐		☐ SOFT-STARTER		
FREQUENCY	60 Hz		RATED VOLTAGE	220 V	380 A
PHASE	3 PHASE		CURRENT		
SERVICE FACTOR	1.15		NO LOAD	- A	- A
INSULATION CLASS	F CLASS		FULL LOAD	1.6 A	0.9 A
TEMP. RISE AT FULL LOAD (at S.F 1.0)			STARTING	9.1 A	5.3 A
RES. METHOD	100		EFFICIENCY		
	THERMO. METHOD		AT 1/2 LOAD		
LOCATION	☒ INDOOR ☐ OUTDOOR		AT 3/4 LOAD		
ALTITUDE	1000 m		AT FULL LOAD		
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		
MOUNTING	☒ B3 ☐ B5 ☐ V1 ☐ B3B5		SPEED (AT FULL LOAD)		
BEARING	TYPE	BALL	TORQUE		
	DEIN-DE	6204ZZ/6203ZZ	FULL LOAD		
	LUBRICANT		LOCKED ROTOR		
COUPLING METHOD	☒ DIRECT ☒ V-BELT		BREAKDOWN		
ROTATION(Facing Drive End)	☒ CW ☒ CCW		NOISE LEVEL		
SHAFT			VIBRATION		
EXTENSION	SINGLE		ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT		
	EXTERNAL THRUST		(AT DIRECT ON-LINE)		
TERMINAL BOX			Motor GD ²		
MAIN	☐ STEEL ☒ AL ☐ CAST		MOTOR APPROX. WEIGHT		
AUX.	☐ YES ☒ NO		PAINTING		
BOX LOCATION	LEFT (Viewed from Drive end)		MUNSELL NO.		
APPLICATION STANDARDS			THICKNESS		
KS.IEC			☒ STANDARD ☐ μm		
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
TEMPERATURE DETECTOR			OUTLINE DIMENSION		
WINDING			DW-H-802-CA		
TYPE			Main Terminal Box		
BEARING			Speed Vs Torque, current Curve		
TYPE			ST-KMH-400K1		
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.			2. HIGH EFFICIENCY MOTOR		
TE : TOTALLY ENCLOSED DP : DRIP PROOF			DATE	PREPARED	CHECKED
FC : FAN COOLED SC : SELF COOLED			2005-11-10	H.G.HAN	H.J.KIM
					APPROVED
					H.T.KIM