

HIGEN		INDUCTION MOTOR DATA SHEET		1/2 HP - 4 P	
MODEL: KMH-400K1F		CUSTOMER :		REV. NO : 0	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		FF165		OUTPUT 0.4 kW 1/2 HP	
ENCLOSURE		<input type="checkbox"/> DRIP PROOF		POLES 4 POLES	
		<input checked="" type="checkbox"/> TOTALLY ENCLOSED		ROTOR TYPE SQUIRREL CAGE	
		<input type="checkbox"/> Increased Safety Exp.-proof		<input checked="" type="checkbox"/> D.O.L <input type="checkbox"/> Y- <input type="checkbox"/> REACTOR ( %TAP) <input type="checkbox"/> V.V.V.F <input type="checkbox"/> SOFT-STARTER	
PROTECTION		IP 54		STARTING METHOD	
METHODS OF COOLING		<input type="checkbox"/> SC <input checked="" type="checkbox"/> FC <input type="checkbox"/>			
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		<input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR		AT 3/4 LOAD - %	
ALTITUDE		1000 m		AT FULL LOAD 79.3 %	
HUMIDITY		90 %		POWER FACTOR	
AMBIENT TEMPERATURE		-10~40		AT 1/2 LOAD - %	
RATING		<input checked="" type="checkbox"/> CONT. <input type="checkbox"/> %ED		AT 3/4 LOAD - %	
NEMA DESIGN		B		AT FULL LOAD 82.5 %	
MOUNTING		<input type="checkbox"/> B3 <input type="checkbox"/> B5 <input checked="" type="checkbox"/> V1 <input type="checkbox"/> B3B5		SPEED (AT FULL LOAD) 1710 rpm	
BEARING		TYPE BALL		TORQUE	
		DEW-DE 6204ZZ/6203ZZ		FULL LOAD 0.2 kg-m 100%	
		LUBRICANT		LOCKED ROTOR 0.5 kg-m 200%	
COUPLING METHOD		<input checked="" type="checkbox"/> DIRECT <input checked="" type="checkbox"/> V-BELT		BREAKDOWN 0.5 kg-m 200%	
ROTATION(Facing Drive End)		<input checked="" type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		NOISE LEVEL 61.0 dB(A)	
SHAFT				VIBRATION 30.0 $\mu$ m	
EXTENSION		SINGLE		ALLOWABLE LOAD GD <sup>2</sup> REFERRED TO MOTOR SHAFT	
EXTERNAL THRUST				(AT DIRECT ON-LINE) 2.4 kg-m <sup>2</sup>	
TERMINAL BOX				Motor GD <sup>2</sup> 0.0079 kg-m <sup>2</sup>	
MAIN		<input type="checkbox"/> STEEL <input checked="" type="checkbox"/> AL <input type="checkbox"/> CAST		MOTOR APPROX. WEIGHT 20 kg	
AUX.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		PAINTING MUNSSELL NO. 5 PB 8/2.5	
BOX LOCATION		LEFT (Viewed from Drive end)		THICKNESS <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> $\mu$ m	
APPLICATION STANDARDS		KS.IEC			
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
TEMPERATURE DETECTOR			OUTLINE DIMENSION DW-V-802-CA		
WINDING			Main Terminal Box TB-3040KK3304		
TYPE			Speed Vs Torque, current Curve ST-KMH-400K1F		
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.			2. HIGH EFFICIENCY MOTOR		
TE : TOTALLY ENCLOSED DP : DRIP PROOF			DATE PREPARED CHECKED APPROVED		
FC : FAN COOLED SC : SELF COOLED			2005-11-10 H.G.HAN H.J.KIM H.T.KIM		