

HIGEN		INDUCTION MOTOR DATA SHEET		2 HP - 2 P	
MODEL: KMH02HK3FI		CUSTOMER :		REV. NO : 0	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		FF165		OUTPUT 1.5 kW 2 HP	
ENCLOSURE	<input type="checkbox"/> DRIP PROOF		POLES		2 POLES
	<input checked="" type="checkbox"/> TOTALLY ENCLOSED		ROTOR TYPE		SQUIRREL CAGE
	<input type="checkbox"/> Increased Safety Exp.-proof		STARTING METHOD		<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		RATED VOLTAGE	
METHODS OF COOLING		<input type="checkbox"/> SC <input checked="" type="checkbox"/> FC <input type="checkbox"/>		220 V 380 V - V	
PHASE		3 PHASE		FREQUENCY	
SERVICE FACTOR		1.15		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 5.8 A 3.3 A - A	
THERMO. METHOD				STARTING 37.4 A 21.6 A - A	
LOCATION		<input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR		EFFICIENCY	
ALTITUDE		1000 m		AT 1/2 LOAD %	
HUMIDITY		90 %		AT 3/4 LOAD %	
AMBIENT TEMPERATURE		-10-40		AT FULL LOAD 84.0 %	
RATING		<input checked="" type="checkbox"/> CONT. <input type="checkbox"/> %ED		POWER FACTOR	
NEMA DESIGN		B		AT 1/2 LOAD %	
MOUNTING		<input type="checkbox"/> B3 <input type="checkbox"/> B5 <input checked="" type="checkbox"/> V1 <input type="checkbox"/> B3B5		AT 3/4 LOAD %	
BEARING	TYPE		BALL		AT FULL LOAD 81.5 %
	DEW-DE		6205ZZ/6204ZZ		SPEED (AT FULL LOAD) 3480 rpm
	LUBRICANT				TORQUE
COUPLING METHOD		<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		FULL LOAD 0.4 kg-m 100%	
ROTATION(Facing Drive End)		<input checked="" type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		LOCKED ROTOR 0.8 kg-m 180%	
SHAFT				BREAKDOWN 0.8 kg-m 200%	
EXTENSION		SINGLE		NOISE LEVEL 75.0 dB(A)	
EXTERNAL THRUST				VIBRATION 15.0 μ m	
TERMINAL BOX		ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT			
MAIN		<input type="checkbox"/> STEEL <input checked="" type="checkbox"/> AL <input type="checkbox"/> CAST		(AT DIRECT ON-LINE) 1.6 kg-m ²	
AUX.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Motor GD ² 0.1280 kg-m ²	
BOX LOCATION		LEFT (Viewed from Drive end)		MOTOR APPROX. WEIGHT 20.0 kg	
APPLICATION STANDARDS		IEC, KS		PAINTING	
				MUNSELL NO. 5.9PB 3.1/7.3	
				THICKNESS <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μ m	
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
TEMPERATURE DETECTOR			OUTLINE DIMENSION		DW-KMH02HK3FI
WINDING			SPEED VS TORQUE, CURRENT CURVE		ST-KMH02HK3FI
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. HIGH EFFICIENCY MOTOR		
TE : TOTALLY ENCLOSED DP : DRIP PROOF			DATE PREPARED CHECKED APPROVED		
FC : FAN COOLED SC : SELF COOLED			2007.03.27 H.G.HAN H.K.KIM H.J.KIM		