

HIGEN		INDUCTION MOTOR DATA SHEET		2 HP - 6 P	
MODEL: KMI-02HK8		CUSTOMER :		REV. NO : 0	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		100L		OUTPUT 1.5 kW 2 HP	
ENCLOSURE		<input type="checkbox"/> DRIP PROOF		POLES 6 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 44		STARTING METHOD	
METHODS OF COOLING		<input type="checkbox"/> SC <input checked="" type="checkbox"/> FC <input type="checkbox"/> AO			
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 6.9 A 4.0 A A	
TEMP. RISE AT FULL LOAD (at S.F 1.0)				STARTING 39.5 A 22.9 A A	
RES. METHOD		80		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 80.0 %	
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 71.0 %	
MOUNTING		<input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5		SPEED (AT FULL LOAD) 1130 rpm	
BEARING		TYPE BALL		TORQUE	
		DEW-DE 6206ZZ/6205ZZ		FULL LOAD 1.3 kg-m 100%	
		LUBRICANT		LOCKED ROTOR 2.1 kg-m 160%	
COUPLING METHOD		<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		BREAKDOWN 2.5 kg-m 190%	
SHAFT				NOISE LEVEL 61.0 dB(A)	
EXTENSION		SINGLE		VIBRATION 30.0 μ m	
EXTERNAL THRUST				ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT	
TERMINAL BOX				(AT DIRECT ON-LINE) 24.7 kg-m ²	
MAIN		<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST		Motor GD ² 0.03510 kg-m ²	
AUX.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		MOTOR APPROX. WEIGHT 29.0 kg	
BOX LOCATION		LEFT (Viewed from Drive end)		PAINTING MUNSELL NO. 7.1 B 4.0/0.9	
APPLICATION STANDARDS		KS.IEC		THICKNESS <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μ m	
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
TEMPERATURE DETECTOR			OUTLINE DIMENSION DW-H-100L-CA		
WINDING			Main Terminal Box TB-3M95996		
TYPE			Speed Vs Torque, current Curve ST-KMI-02HK8		
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 CHECKED APPROVED		
FC : FAN COOLED SC : SELF COOLED			2005.11.09 H.G.HAN H.J.KIM H.T.KIM		