

HIGEN		INDUCTION MOTOR DATA SHEET		10 HP - 4 P	
MODEL: KMQ-10HK2L		CUSTOMER :		REV. NO :	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		132M		OUTPUT 7.5 kW 10 HP	
ENCLOSURE	<input checked="" type="checkbox"/> DRIP PROOF		POLES 4 POLES		
	<input 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		
PROTECTION	IP 22		SOFT-STARTER <input type="checkbox"/>		
METHODS OF COOLING	<input checked="" type="checkbox"/> SC <input type="checkbox"/> FC <input type="checkbox"/>		RATED VOLTAGE 220 V 380 V		
FREQUENCY	60 Hz		CURRENT		
PHASE	3 PHASE		NO LOAD 10.5 A 6.1 A		
SERVICE FACTOR	1.15		FULL LOAD 28.6 A 16.5 A		
INSULATION CLASS	F CLASS		STARTING 182.3 A 105.2 A		
TEMP. RISE AT FULL LOAD (at S.F 1.0)			EFFICIENCY		
RES. METHOD		105		AT 1/2 LOAD - %	
THERMO. METHOD				AT 3/4 LOAD - %	
LOCATION	<input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR		AT FULL LOAD 87.0 %		
ALTITUDE	1000 m		POWER FACTOR		
HUMIDITY	80 %		AT 1/2 LOAD - %		
AMBIENT TEMPERATURE	-10~40		AT 3/4 LOAD - %		
RATING	<input checked="" type="checkbox"/> CONT. <input type="checkbox"/> %ED		AT FULL LOAD 79.0 %		
NEMA DESIGN	B		SPEED (AT FULL LOAD) 1746 rpm		
MOUNTING	<input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5		TORQUE		
BEARING	TYPE	BALL		FULL LOAD 4.2 kg-m 100%	
	DEW-DE	6208ZZ/6206ZZ		LOCKED ROTOR 6.7 kg-m 160%	
	LUBRICANT	GREASE		BREAKDOWN 8.4 kg-m 200%	
COUPLING METHOD	<input checked="" type="checkbox"/> DIRECT <input checked="" type="checkbox"/> V-BELT		NOISE LEVEL 69.0 dB(A)		
ROTATION(Facing Drive End)	<input checked="" type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		VIBRATION 30.0 μm		
SHAFT			ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT		
EXTENSION		SINGLE		(AT DIRECT ON-LINE) 25.4 kg-m ²	
EXTERNAL THRUST				Motor GD ² 0.1434 kg-m ²	
TERMINAL BOX			MOTOR APPROX. WEIGHT 48.0 kg		
MAIN		<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST		PAINTING	
AUX.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		MUNSELL NO. 7.1 B 4.0/0.9	
BOX LOCATION		LEFT (Viewed from Drive end)		THICKNESS <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μm	
APPLICATION STANDARDS		KS.IEC			
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
			OUTLINE DIMENSION		
			Speed Vs Torque, current Curve		
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.					
TE : TOTALLY ENCLOSED		DP : DRIP PROOF		DATE	PREPARED
FC : FAN COOLED		SC : SELF COOLED		2006-04-19	B.K.KIM
				CHECKED	APPROVED
				J.S.PARK	H.T.KIM