

HIGEN		INDUCTION MOTOR DATA SHEET		5.5 kW - 4 P	
MODEL: KMI-08HK1		CUSTOMER :		REV. NO : 0	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		132S		OUTPUT 5.5 kW	
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-	
PROTECTION		IP 44		STARTING METHOD	
METHODS OF COOLING		<input type="checkbox"/> SC <input checked="" type="checkbox"/> FC <input type="checkbox"/>		<input type="checkbox"/> REACTOR (%TAP) <input type="checkbox"/> V.V.V.F	
PHASE		3 PHASE		<input type="checkbox"/> VECTOR DRIVE	
SERVICE FACTOR		1.15		RATED VOLTAGE 220 V 380 V V	
INSULATION CLASS		F CLASS		FREQUENCY 60 Hz	
TEMP. RISE AT FULL LOAD (at S.F 1.0)		CURRENT			
RES. METHOD 105		NO LOAD		9.3 A 5.4 A A	
THERMO. METHOD		FULL LOAD		20.7 A 11.8 A A	
		STARTING		142.5 A 81.1 A A	
LOCATION		<input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR		EFFICIENCY	
ALTITUDE 1000 m				AT 1/2 LOAD %	
HUMIDITY 80 %				AT 3/4 LOAD %	
AMBIENT TEMPERATURE -10~40				AT FULL LOAD 86.0 %	
RATING		<input checked="" type="checkbox"/> CONT. <input type="checkbox"/> %ED		POWER FACTOR	
NEMA DESIGN B				AT 1/2 LOAD %	
MOUNTING		<input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5		AT 3/4 LOAD %	
BEARING TYPE BALL				AT FULL LOAD 81.0 %	
DEW-DE 6208ZZ/6206ZZ				SPEED (AT FULL LOAD) 1750 rpm	
LUBRICANT GREASE				TORQUE	
COUPLING METHOD		<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		FULL LOAD 3.1 kg-m 100%	
ROTATION(Facing Drive End)		<input type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		LOCKED ROTOR 5.2 kg-m 170%	
SHAFT				BREAKDOWN 6.7 kg-m 220%	
EXTENSION SINGLE				NOISE LEVEL 74 dB(A)	
EXTERNAL THRUST				VIBRATION 30.0 μ m	
TERMINAL BOX		ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT			
MAIN		<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST		(AT DIRECT ON-LINE) 22.2 kg-m ²	
AUX.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Motor GD ² 0.1060 kg-m ²	
BOX LOCATION LEFT (Viewed from Drive end)				MOTOR APPROX. WEIGHT 58 kg	
APPLICATION STANDARDS KS.IEC				PAINTING MUNSELL NO. 7.1B 4.0/0.9	
				THICKNESS <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μ m	
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
			OUTLINE DIMENSION		DW-KMI-08HK1
			SPEED-TORQUE CURVE		ST-KMI-08HK1
			TERMINAL BOX DIMENSION		TB-3M95037
NOTE			REMARKS		
1. THESE DATA ARE ONLY DESIGN VALUES AND SHALL BE			1. ABOVE ALL DATA ARE CALCULATED AT 100% VOLTAGE.		
GUARANTEED WITH TOLERANCE OF APPLICATION STANDARDS.					
2. OTHERS NOT MENTIONED IN THIS SHEET SHALL BE					
IN ACCORDANCE WITH HIGEN STANDARD.					
TE : TOTALLY ENCLOSED DP : DRIP PROOF		DATE		PREPARED	CHECKED
FC : FAN COOLED SC : SELF COOLED		2005-10-28		J.S.PARK	J.S.PARK
					APPROVED
					H.T.KIM