

HIGEN		INDUCTION MOTOR DATA SHEET		3.7 kW - 6 P	
MODEL: KMH-05HZ8		CUSTOMER :		REV. NO :	
APPLICATION:		PROJECT NAME:		QUANTITY :	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		132S		OUTPUT 3.7 kW	
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		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 54		STARTING METHOD <input type="checkbox"/> SOFT-STARTER		
METHODS OF COOLING	<input type="checkbox"/> SC <input checked="" type="checkbox"/> FC <input type="checkbox"/>		RATED VOLTAGE 480 V V V		
FREQUENCY	60 Hz		CURRENT		
PHASE	3 PHASE		NO LOAD A A A		
SERVICE FACTOR	1.15		FULL LOAD 7.0 A A A		
INSULATION CLASS	F CLASS		STARTING 45.3 A A 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 87.5 %		
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 73.0 %		
NEMA DESIGN	B		SPEED (AT FULL LOAD) 1140 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 3.1 kg-m 100%	
	DEW-DE	6208ZZ/6206ZZ		LOCKED ROTOR 4.7 kg-m 150%	
	LUBRICANT	GREASE		BREAKDOWN 5.9 kg-m 190%	
COUPLING METHOD		<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		NOISE LEVEL 68.0 dB(A)	
SHAFT		EXTENSION SINGLE		VIBRATION 15.0 $\mu$ m	
EXTERNAL THRUST				ALLOWABLE LOAD GD <sup>2</sup> REFERRED TO MOTOR SHAFT (AT DIRECT ON-LINE) 15.3 kg-m <sup>2</sup>	
TERMINAL BOX		MAIN <input type="checkbox"/> STEEL <input checked="" type="checkbox"/> AL <input type="checkbox"/> CAST		Motor GD <sup>2</sup> 0.0600 kg-m <sup>2</sup>	
AUX.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		MOTOR APPROX. WEIGHT 66.0 kg	
BOX LOCATION		LEFT (Viewed from Drive end)		PAINTING	MUNSELL NO. 5 PB 8/2.5
APPLICATION STANDARDS		IEC, KS		THICKNESS	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> $\mu$ m
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
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.					
FC : FAN COOLED	SC : SELF COOLED	DATE	PREPARED	CHECKED	APPROVED
		2007.8.21	M.S.PARK	J.H.JO	H.J.KIM