

HIGEN		INDUCTION MOTOR DATA SHEET		7.5 kW 6 P	
MODEL: KMI-10HR8		CUSTOMER :		REV. NO :	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA		PERFORMANCE DATA			
FRAME NO.	160M	OUTPUT	7.5 kW	10 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	STARTING METHOD	<input type="checkbox"/> D.O.L <input checked="" type="checkbox"/> Y-		
PROTECTION IP 44	<input type="checkbox"/> REACTOR ( %TAP) <input type="checkbox"/> V.V.V.F				
METHODS OF COOLING <input type="checkbox"/> SC <input checked="" type="checkbox"/> FC <input type="checkbox"/>	<input type="checkbox"/> VECTOR DRIVE				
FREQUENCY	50 Hz	RATED VOLTAGE	440 V	V	V
PHASE	3 PHASE	CURRENT			
SERVICE FACTOR	1.0	NO LOAD	7.0 A	A	A
INSULATION CLASS	F CLASS	FULL LOAD	14.5 A	A	A
TEMP. RISE AT FULL LOAD (at S.F 1.0)		STARTING	90.5 A	A	A
RES. METHOD	105	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 86.0 %			
HUMIDITY	80 %	POWER FACTOR			
AMBIENT TEMPERATURE	-10~40	AT 1/2 LOAD %			
RATING <input checked="" type="checkbox"/> CONT. <input type="checkbox"/> 60 %ED		AT 3/4 LOAD %			
NEMA DESIGN	B	AT FULL LOAD 79.0 %			
MOUNTING <input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5		SPEED (AT FULL LOAD) 940 rpm			
BEARING	TYPE	TORQUE			
	DEW-DE	FULL LOAD 7.8 kg-m 100%			
	LUBRICANT	LOCKED ROTOR 11.7 kg-m 150%			
COUPLING METHOD <input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		BREAKDOWN 14.0 kg-m 180%			
SHAFT		NOISE LEVEL 70.0 dB(A)			
EXTENSION	SINGLE	VIBRATION 30.0 $\mu$ m			
EXTERNAL THRUST		ALLOWABLE LOAD GD <sup>2</sup> REFERRED TO MOTOR SHAFT			
TERMINAL BOX		(AT DIRECT ON-LINE) 29.3 kg-m <sup>2</sup>			
MAIN <input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST		Motor GD <sup>2</sup> 0.20 kg-m <sup>2</sup>			
AUX. <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		MOTOR APPROX. WEIGHT 78.0 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"/>	$\mu$ 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 HIGEN STANDARD.					
SC : SELF COOLED FC : FAN COOLED	DATE	PREPARED	CHECKED	APPROVED	
	2008-09-24	Y.D.WON	K.I.HA	H.T.KIM	