

HIGEN			INDUCTION MOTOR DATA SHEET						15 KW - 8 P				
MODEL: KMI-20HU9			CUSTOMER :						REV. NO :				
APPLICATION:			PROJECT NAME:						QUANTITY : SETS				
GENERAL DATA							PERFORMANCE DATA						
FRAME NO.			180L			OUTPUT			15 kW		20 HP		
ENCLOSURE			<input type="checkbox"/> DRIP PROOF			POLES			8 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				
PHASE			3 PHASE			RATED VOLTAGE			380 V		V V		
SERVICE FACTOR			1.0			FREQUENCY			60 Hz				
INSULATION CLASS			F CLASS			CURRENT							
TEMP. RISE AT FULL LOAD (at S.F 1.0)						NO LOAD			17.0 A		A A		
						FULL LOAD			33.8 A		A A		
						STARTING			219.7 A		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			90.0 %				
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			75.0 %					
	DEIN-DE	6312ZZ/6309ZZ			SPEED (AT FULL LOAD)			870 rpm					
	LUBRICANT	GREASE			TORQUE								
COUPLING METHOD			<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT			FULL LOAD			16.8 kg-m		100%		
ROTATION(Facing Drive End)			<input type="checkbox"/> CW <input checked="" type="checkbox"/> CCW			LOCKED ROTOR			23.5 kg-m		140%		
SHAFT						BREAKDOWN			28.5 kg-m		170%		
						EXTENSION			SINGLE			NOISE LEVEL	
EXTERNAL THRUST						VIBRATION			30.0 μm				
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)			214.0 kg-m ²				
AUX.			<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			Motor GD ²			1.1909 kg-m ²				
BOX LOCATION			LEFT (Viewed from Drive end)			MOTOR APPROX. WEIGHT			210 kg				
APPLICATION STANDARDS			KS.IEC			PAINING	MUNSELL NO.	7.1B 4.0/0.9					
							THICKNESS	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μm					
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.													
TE : TOTALLY ENCLOSED			DP : DRIP PROOF			DATE	PREPARED	CHECKED	APPROVED				
FC : FAN COOLED			SC : SELF COOLED			2008-10-30	D.H.KAM	S.S.YUN	H.J.KIM				