

HIGEN		INDUCTION MOTOR DATA SHEET		11 kW 6 P 160L	
MODEL: KMH-15HK8		CUSTOMER :		COIL SPEC NO.:	
APPLICATION:		PROJECT NAME:		REV. NO : 0	
				QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		160L		OUTPUT 11 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		<input checked="" type="checkbox"/> D.O.L <input type="checkbox"/> Y- <input type="checkbox"/> REACTOR ( %TAP) <input type="checkbox"/> V.V.V.F <input type="checkbox"/> VECTOR-DRIVE	
PROTECTION IP 54		STARTING METHOD			
METHODS OF COOLING <input type="checkbox"/> SC <input checked="" type="checkbox"/> FC <input type="checkbox"/>					
PHASE 3 PHASE		RATED VOLTAGE 220 V 380 V			
SERVICE FACTOR 1.15		FREQUENCY 60 Hz			
INSULATION CLASS F CLASS		CURRENT			
TEMP. RISE AT FULL LOAD (at S.F 1.0)		NO LOAD		A A	
RES. METHOD 105		FULL LOAD		41.0 A 23.8 A	
THERMO. METHOD		STARTING		348.8 A 201.9 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		90.2 %	
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 / BALL		AT FULL LOAD		78.0 %	
DEW-DE 6309ZZ / 6307ZZ		SPEED (AT FULL LOAD)		1160 rpm	
LUBRICANT GREASE		TORQUE			
COUPLING METHOD <input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		FULL LOAD		9.2 kg-m 100%	
ROTATION(Facing Drive End) <input type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		LOCKED ROTOR		12.9 kg-m 140%	
SHAFT		BREAKDOWN		16.6 kg-m 180%	
EXTENSION SINGLE		NOISE LEVEL		72.0 dB(A)	
EXTERNAL THRUST -		VIBRATION		30.0 μm	
TERMINAL BOX		ALLOWABLE LOAD GD <sup>2</sup> REFERRED TO MOTOR SHAFT			
MAIN <input type="checkbox"/> STEEL <input type="checkbox"/> AL <input checked="" type="checkbox"/> CAST		(AT DIRECT ON-LINE)		117.0 kg-m <sup>2</sup>	
AUX. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Motor GD <sup>2</sup>		0.557 kg-m <sup>2</sup>	
BOX LOCATION LEFT (Viewed from Drive end)		MOTOR APPROX. WEIGHT		145 kg	
APPLICATION STANDARDS KS.IEC		PAINTING		MUNSELL NO. 5PB 8.0/2.5	
		THICKNESS		<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μm	
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
TEMPERATURE DETECTOR			OUTLINE DIMENSION DW - KMH-15HK8		
WINDING NO			SPEED-TORQUE CURVE ST - KMH-15HK8		
TYPE -			TERMINAL BOX DIMENSION TB - KMH-15HK8		
BEARING NO					
TYPE -					
SPACE HEATER NO					
RATING -					
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 MOTOR STANDARD.			2. HIGH EFFICIENCY MOTOR.		
TE : TOTALLY ENCLOSED DP : DRIP PROOF			DATE		
FC : FAN COOLED SC : SELF COOLED			PREPARED		
			CHECKED		
			APPROVED		
			2011-01-18		
			M.HEO		
			K.I.HA		
			H.J.KIM		