

HIGEN		INDUCTION MOTOR DATA SHEET		15 kW 6 P 180M	
MODEL: KMH-20HK8		CUSTOMER :		COIL SPEC NO.:	
APPLICATION:		PROJECT NAME:		REV. NO : 0	
				QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		180M		OUTPUT 15 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-△	
PROTECTION		IP 55		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	
INSULATION CLASS		F CLASS		FREQUENCY 60 Hz	
TEMP.RISE AT FULL LOAD (at S.F 1.0)				CURRENT	
RES. METHOD		80 deg		NO LOAD A A	
THERMO. METHOD		deg		FULL LOAD 53.5 A 31.0 A	
				STARTING 321.3 A 186.0 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 °C		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 81.5 %	
		DEIN-DE 6311ZZ / 6309ZZ		SPEED (AT FULL LOAD) 1170 rpm	
		LUBRICANT GREASE		TORQUE	
COUPLING METHOD		<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		FULL LOAD 12.5 kg-m 100%	
ROTATION(Facing Drive End)		<input type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		LOCKED ROTOR 17.5 kg-m 140%	
SHAFT				BREAKDOWN 22.5 kg-m 180%	
EXTENSION		SINGLE		NOISE LEVEL 74.0 dB(A)	
EXTERNAL THRUST		-		VIBRATION 30.0 μm	
TERMINAL BOX				ALLOWABLE LOAD GD <sup>2</sup> REFERRED TO MOTOR SHAFT	
MAIN		<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST		(AT DIRECT ON-LINE) 169.0 kg-m <sup>2</sup>	
AUX.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Motor GD <sup>2</sup> 1.0462 kg-m <sup>2</sup>	
BOX LOCATION		LEFT (Viewed from Drive end)		MOTOR APPROX. WEIGHT 170 kg	
APPLICATION STANDARDS		KS.IEC		PAINTING	
				MUNSELL NO. 5PB 2.5/8.0	
				THICKNESS <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μm	
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
TEMPERATURE DETECTOR			OUTLINE DIMENSION DW-180MTFCHLS-1		
WINDING NO			SPEED-TORQUE CURVE ST-H15KK8T180M-1		
TYPE -			TERMINAL BOX DIMENSION TB-MS180NZ-1		
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		
			2016-07-27		
			H.S.LEE		
			K.I.HA		
			K.I.HA		