

HIGEN		INDUCTION MOTOR DATA SHEET		20 HP - 6 P	
MODEL: KMI-20HK8		CUSTOMER :		REV. NO : 0	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		180M		OUTPUT 15 kW 20 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		<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"/> SOFT-STARTER		
PROTECTION IP 44		STARTING METHOD			
METHODS OF COOLING <input type="checkbox"/> SC <input checked="" type="checkbox"/> FC <input type="checkbox"/>					
FREQUENCY 60 Hz		RATED VOLTAGE 220 V 380 V V			
PHASE 3 PHASE		CURRENT			
SERVICE FACTOR 1.15		NO LOAD		23.0 A	13.3 A A
INSULATION CLASS F CLASS		FULL LOAD		53.6 A	31.0 A A
TEMP. RISE AT FULL LOAD (at S.F 1.0)		STARTING		359.2 A	207.4 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		89.0 %	
HUMIDITY 80 %		POWER FACTOR			
AMBIENT TEMPERATURE -10~40		AT 1/2 LOAD		%	
RATING <input checked="" type="checkbox"/> CONT. <input type="checkbox"/> %ED		AT 3/4 LOAD		%	
NEMA DESIGN B		AT FULL LOAD		82.5 %	
MOUNTING <input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5		SPEED (AT FULL LOAD)		1170 rpm	
BEARING	TYPE	BALL		TORQUE	
	DEW-DE	6311ZZ/6309ZZ		FULL LOAD	
	LUBRICANT	GREASE		22.5 kg-m 180%	
COUPLING METHOD <input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		BREAKDOWN		25.0 kg-m 200%	
SHAFT		NOISE LEVEL		74.0 dB(A)	
EXTENSION		SINGLE		VIBRATION	
EXTERNAL THRUST				30.0 μ m	
TERMINAL BOX		ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT (AT DIRECT ON-LINE)		169.0 kg-m ²	
MAIN <input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST		Motor GD ²		1.0462 kg-m ²	
AUX. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		MOTOR APPROX. WEIGHT		166.0 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"/> μ m	
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
TEMPERATURE DETECTOR			OUTLINE DIMENSION		DW-H-180M-CA
WINDING NO			S-T CURVE		ST-KMI-20HK8
TYPE			TERMINAL BOX DIMENSION		TB-2M95115
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 OTIS STANDARD.					
FC : FAN COOLED SC : SELF COOLED			DATE	PREPARED	CHECKED
			2007.07.04	B.K.KIM	J.S.PARK
					APPROVED
					H.T.KIM