

HIGEN		INDUCTION MOTOR DATA SHEET		20 HP - 4 P	
MODEL: KMI-20HV1		CUSTOMER :		REV. NO : 0	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		160L		OUTPUT 15 kW 20 HP	
ENCLOSURE		<input type="checkbox"/> DRIP PROOF		POLES 4 POLES	
		<input checked="" type="checkbox"/> TOTALLY ENCLOSED		ROTOR TYPE SQUIRREL CAGE	
		<input type="checkbox"/> Increased Safety Exp.-proof		<input type="checkbox"/> D.O.L <input checked="" 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 440 V V V	
PHASE		3 PHASE		CURRENT	
SERVICE FACTOR		1.15		NO LOAD 11.5 A A A	
INSULATION CLASS		F CLASS		FULL LOAD 26.1 A A A	
TEMP. RISE AT FULL LOAD (at S.F 1.0)				STARTING 200.7 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 91.0 %	
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 83.0 %	
MOUNTING		<input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5		SPEED (AT FULL LOAD) 1760 rpm	
BEARING TYPE		BALL		TORQUE	
		DEW-DE 6309ZZ/6307ZZ		FULL LOAD 8.3 kg-m 100%	
		LUBRICANT GREASE		LOCKED ROTOR 14.9 kg-m 180%	
COUPLING METHOD		<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		BREAKDOWN 18.3 kg-m 220%	
SHAFT				NOISE LEVEL 82.0 dB(A)	
EXTENSION		SINGLE		VIBRATION 30.0 μ m	
EXTERNAL THRUST				ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT	
TERMINAL BOX				(AT DIRECT ON-LINE) 48.0 kg-m ²	
MAIN		<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST		Motor GD ² 0.3764 kg-m ²	
AUX.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		MOTOR APPROX. WEIGHT 122.0 kg	
BOX LOCATION		LEFT (Viewed from Drive end)		PAINTING MUNSSELL 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-160L-CA		
WINDING NO			S-T CURVE ST-KMI-20HV1		
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 APPROVED		
			2006-06-30 B.K.KIM J.S.PARK H.T.KIM		