

HIGEN		INDUCTION MOTOR DATA SHEET		20 HP - 2 P	
MODEL: KMH-20HU3		CUSTOMER :		REV. NO : 0	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		160M		OUTPUT 15 kW 20 HP	
ENCLOSURE		<input type="checkbox"/> DRIP PROOF		POLES 2 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-△	
PROTECTION		IP 54		STARTING METHOD <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"/> SOFT-STARTER	
FREQUENCY		60 Hz		RATED VOLTAGE 380 V V V	
PHASE		3 PHASE		CURRENT	
SERVICE FACTOR		1.15		NO LOAD 12.0 A A A	
INSULATION CLASS		F CLASS		FULL LOAD 29.9 A A A	
TEMP. RISE AT FULL LOAD (at S.F 1.0)				STARTING 230.2 A A A	
RES. METHOD		105 °C		EFFICIENCY	
THERMO. METHOD		°C		AT 1/2 LOAD %	
LOCATION		<input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR		AT 3/4 LOAD %	
ALTITUDE		1000 m		AT FULL LOAD 90.2 %	
HUMIDITY		80 %		POWER FACTOR	
AMBIENT TEMPERATURE		-10~40 °C		AT 1/2 LOAD %	
RATING		<input checked="" type="checkbox"/> CONT. <input type="checkbox"/> %ED		AT 3/4 LOAD %	
NEMA DESIGN		B		AT FULL LOAD 84.5 %	
MOUNTING		<input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5		SPEED (AT FULL LOAD) 3550 rpm	
BEARING		TYPE BALL		TORQUE	
		DEW-DE 6309ZZC3 / 6307ZZ		FULL LOAD 4.1 kg-m 100%	
		LUBRICANT GREASE		LOCKED ROTOR 7.4 kg-m 180%	
COUPLING METHOD		<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		BREAKDOWN 9.1 kg-m 220%	
SHAFT				NOISE LEVEL 87.0 dB(A)	
EXTENSION		SINGLE		VIBRATION 25.0 μm	
EXTERNAL THRUST				ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT	
TERMINAL BOX				(AT DIRECT ON-LINE) 9.1 kg-m ²	
MAIN		<input type="checkbox"/> STEEL <input type="checkbox"/> AL <input checked="" type="checkbox"/> CAST		Motor GD ² 0.2206 kg-m ²	
AUX.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		MOTOR APPROX. WEIGHT 124.0 kg	
BOX LOCATION		LEFT (Viewed from Drive end)		PAINTING MUNSELL NO. 5 PB 6/1.5	
APPLICATION STANDARDS		KS.IEC		THICKNESS <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μm	
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
TEMPERATURE DETECTOR			OUTLINE DIMENSION DW-H-160M-CAT		
WINDING			S-T CURVE ST-KMH-20HU3		
TYPE			TERMINAL BOX DIMENSION TB-3040KK2003		
BEARING					
TYPE					
SPACE HEATER					
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 STANDARD.					
FC : FAN COOLED SC : SELF COOLED			DATE PREPARED CHECKED APPROVED		
			2008-05-02 J.S.PARK J.S.PARK H.T.KIM		