

HIGEN		INDUCTION MOTOR DATA SHEET		5.5 kW - 6 P	
MODEL: KMH-08HV8		CUSTOMER :		COIL SPEC NO:	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		132M		OUTPUT 5.5 kW 7.5 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"/> VECTOR DRIVE	
PROTECTION		IP 54		STARTING METHOD	
METHODS OF COOLING		<input type="checkbox"/> SC <input checked="" type="checkbox"/> FC <input type="checkbox"/>		RATED VOLTAGE 440 V V V	
PHASE		3 PHASE		FREQUENCY 60 Hz	
SERVICE FACTOR		1.15		CURRENT	
INSULATION CLASS		F CLASS		NO LOAD A A A	
TEMP. RISE AT FULL LOAD (at S.F 1.0)		RES. METHOD 105		FULL LOAD 11.0 A A A	
THERMO. METHOD				STARTING 71.3 A A 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 89.5 %	
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		AT FULL LOAD 73.5 %	
	DEW-DE	6208ZZ/6206ZZ		SPEED (AT FULL LOAD) 1160 rpm	
	LUBRICANT	GREASE		TORQUE	
COUPLING METHOD		<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		FULL LOAD 4.6 kg-m 100%	
ROTATION(Facing Drive End)		<input checked="" type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		LOCKED ROTOR 7.6 kg-m 150%	
SHAFT				BREAKDOWN 13.0 kg-m 190%	
EXTENSION		SINGLE		NOISE LEVEL 68 dB(A)	
EXTERNAL THRUST				VIBRATION 25.0 μ m	
TERMINAL BOX		ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT			
MAIN		<input type="checkbox"/> STEEL <input checked="" type="checkbox"/> AL <input type="checkbox"/> CAST		(AT DIRECT ON-LINE) 61.8 kg-m ²	
AUX.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Motor GD ² 0.2010 kg-m ²	
BOX LOCATION		LEFT (Viewed from Drive end)		MOTOR APPROX. WEIGHT 80 kg	
APPLICATION STANDARDS		KS.IEC		PAINTING	
				MUNSELL NO. 5 PB 8/2.5	
				THICKNESS <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μ m	
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
			OUTLINE DIMENSION DW-KMH-08HV8		
			SPEED-TORQUE CURVE ST-KMH-08HV8		
			TERMINAL BOX DIMENSION TB-KMH-08HV8		
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.			2. HIGH EFFICIENCY MOTOR		
TE : TOTALLY ENCLOSED DP : DRIP PROOF			DATE PREPARED CHECKED APPROVED		
FC : FAN COOLED SC : SELF COOLED			2010.11.02 K.P.KANG K.I.HA H.J.KIM		