

HIGEN		INDUCTION MOTOR DATA SHEET		15 HP - 6 P	
MODEL: KMH-15HU8		CUSTOMER :		REV. NO : 0	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		160L		OUTPUT 11 kW 15 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 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 54		STARTING METHOD			
METHODS OF COOLING <input type="checkbox"/> SC <input checked="" type="checkbox"/> FC <input type="checkbox"/>					
FREQUENCY 60 Hz		RATED VOLTAGE 380 V		V V	
PHASE 3 PHASE		CURRENT			
SERVICE FACTOR 1.15		NO LOAD		9.0 A A A	
INSULATION CLASS F CLASS		FULL LOAD		22.8 A A A	
TEMP. RISE AT FULL LOAD (at S.F 1.0)		STARTING		152.5 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		91.8 %	
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		80.0 %	
MOUNTING <input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5		SPEED (AT FULL LOAD)		1150 rpm	
BEARING	TYPE BALL		TORQUE		
	DEW-DE 6309ZZ / 6307ZZ		FULL LOAD		9.3 kg-m 100%
	LUBRICANT GREASE		LOCKED ROTOR		16.8 kg-m 180%
COUPLING METHOD <input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		BREAKDOWN		18.6 kg-m 200%	
SHAFT		NOISE LEVEL		72.0 dB(A)	
EXTENSION SINGLE		VIBRATION		30.0 μm	
EXTERNAL THRUST		ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT			
TERMINAL BOX		(AT DIRECT ON-LINE)		117.0 kg-m ²	
MAIN <input type="checkbox"/> STEEL <input type="checkbox"/> AL <input checked="" type="checkbox"/> CAST		Motor GD ²		0.5570 kg-m ²	
AUX. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		MOTOR APPROX. WEIGHT		145.0 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-160L-CAT
WINDING NO			S-T CURVE		ST-KMH-15HU8
TYPE			TERMINAL BOX DIMENSION		TB-3040KK2003
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 STANDARD.					
FC : FAN COOLED SC : SELF COOLED			DATE	PREPARED	CHECKED
			2008-05-02	J.S.PARK	J.S.PARK
					APPROVED
					H.T.KIM