

HIGEN		INDUCTION MOTOR DATA SHEET		15 HP - 2 P	
MODEL: KMH-15HU3F		CUSTOMER :		REV. NO : 0	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		FF300		OUTPUT 11 kW 15 HP	
ENCLOSURE	☐ DRIP PROOF		POLES 2 POLES		
	☒ TOTALLY ENCLOSED		ROTOR TYPE SQUIRREL CAGE		
	☐ Increased Safety Exp.-proof		☐ D.O.L ☒ Y-△ ☐ REACTOR (%TAP) ☐ V.V.V.F ☐ SOFT-STARTER		
PROTECTION	IP 54		STARTING METHOD		
METHODS OF COOLING	☐ SC ☒ FC ☐				
FREQUENCY	60 Hz		RATED VOLTAGE 380 V V V		
PHASE	3 PHASE		CURRENT		
SERVICE FACTOR	1.15		NO LOAD 9.7 A A A		
INSULATION CLASS	F CLASS		FULL LOAD 22.2 A A A		
TEMP. RISE AT FULL LOAD (at S.F 1.0)			STARTING 186.4 A A A		
RES. METHOD		105 °C		EFFICIENCY	
THERMO. METHOD		°C		AT 1/2 LOAD %	
LOCATION	☒ INDOOR ☐ 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	☒ CONT. ☐ %ED		AT 3/4 LOAD %		
NEMA DESIGN	B		AT FULL LOAD 83.5 %		
MOUNTING	☐ B3 ☒ B5 ☒ V1 ☐ B3B5		SPEED (AT FULL LOAD) 3560 rpm		
BEARING	TYPE	BALL		TORQUE	
	DEIN-DE	6309ZZC3 / 6307ZZ		FULL LOAD 3.0 kg-m 100%	
	LUBRICANT	GREASE		LOCKED ROTOR 5.4 kg-m 180%	
COUPLING METHOD		☒ DIRECT ☐ V-BELT		BREAKDOWN 6.6 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) 7.2 kg-m ²		
MAIN		☐ STEEL ☐ AL ☒ CAST		Motor GD ² 0.1620 kg-m ²	
AUX.		☐ YES ☒ NO		MOTOR APPROX. WEIGHT 120.0 kg	
BOX LOCATION		LEFT (Viewed from Drive end)		PAINTING	MUNSELL NO. 5 PB 6/1.5
APPLICATION STANDARDS		KS.IEC		THICKNESS	☒ STANDARD ☐ μm
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
TEMPERATURE DETECTOR			OUTLINE DIMENSION DW-V-160M-CAT		
WINDING		NO		S-T CURVE ST-KMH-15HU3	
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