

HIGEN		INDUCTION MOTOR DATA SHEET		25 HP - 2 P	
MODEL: KMH-25HU3F		CUSTOMER :		REV. NO :	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		FF300		OUTPUT 18.5 kW 25 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- <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"/>			
PHASE		3 PHASE		RATED VOLTAGE 380 V	
SERVICE FACTOR		1.15		FREQUENCY 60 Hz	
INSULATION CLASS		F CLASS		CURRENT	
TEMP. RISE AT FULL LOAD (at S.F 1.0)				NO LOAD 13.0 A	
RES. METHOD		105		FULL LOAD 37.0 A	
THERMO. METHOD				STARTING 277.4 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 91.0 %	
RATING		<input checked="" type="checkbox"/> CONT. <input type="checkbox"/> %ED		POWER FACTOR	
NEMA DESIGN		B		AT 1/2 LOAD %	
MOUNTING		<input type="checkbox"/> B3 <input checked="" type="checkbox"/> B5 <input checked="" type="checkbox"/> V1 <input type="checkbox"/> B3B5		AT 3/4 LOAD %	
BEARING		TYPE BALL		AT FULL LOAD 83.5 %	
		DEW-DE 6309ZC3 / 6307ZZ		SPEED (AT FULL LOAD) 3550 rpm	
		LUBRICANT GREASE		TORQUE	
COUPLING METHOD		<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		FULL LOAD 5.1 kg-m 100%	
ROTATION(Facing Drive End)		<input type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		LOCKED ROTOR 9.1 kg-m 180%	
SHAFT				BREAKDOWN 11.2 kg-m 220%	
EXTENSION		SINGLE		NOISE LEVEL 90.0 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 type="checkbox"/> AL <input checked="" type="checkbox"/> CAST		(AT DIRECT ON-LINE) 11.7 kg-m ²	
AUX.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Motor GD ² 0.2503 kg-m ²	
BOX LOCATION		TOP (Viewed from Drive end)		MOTOR APPROX. WEIGHT 145 kg	
APPLICATION STANDARDS		KS.IEC		PAINTING	
				MUNSELL NO. 5 PB 6/1.5	
				THICKNESS <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μ m	
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
TEMPERATURE DETECTOR			OUTLINE DIMENSION		
WINDING			S-T CURVE		
TYPE					
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 OTIS-LG STANDARD.			* HIGH EFFICIENCY MOTOR.		
FC : FAN COOLED SC : SELF COOLED			DATE		
			PREPARED		
			CHECKED		
			APPROVED		
			2008-05-16		
			K.I. HA		
			K.I. HA		
			H.T. KIM		