



INDUCTION MOTOR DATA SHEET

0.75 kW 4 P FF165

MODEL: KMH-01HV1F CUSTOMER : COIL SPEC NO.: REV. NO : 0
APPLICATION: PROJECT NAME: QUANTITY : SETS

GENERAL DATA				PERFORMANCE DATA							
FRAME NO.		FF165		OUTPUT		0.75 kW					
ENCLOSURE		<input type="checkbox"/> DRIP PROOF		POLES		4 POLES					
		<input checked="" type="checkbox"/> TOTALLY ENCLOSED		ROTOR TYPE		SQUIRREL CAGE					
		<input type="checkbox"/> Increased Safety Exp.-proof		STARTING METHOD		<input checked="" type="checkbox"/> D.O.L <input type="checkbox"/> Y-					
PROTECTION		<input type="checkbox"/> REACTOR (%TAP) <input type="checkbox"/> V.V.V.F									
METHODS OF COOLING		<input type="checkbox"/> VECTOR-DRIVE									
PHASE		3 PHASE		RATED VOLTAGE		440 V 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		A A					
				FULL LOAD		1.7 A A					
				STARTING		10.8 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		82.5 %					
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 / BALL		AT FULL LOAD		72.0 %			
		DEIN-DE		6204ZZ / 6203ZZ		SPEED (AT FULL LOAD)				1720 rpm	
		LUBRICANT		GREASE		TORQUE					
COUPLING METHOD		<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		FULL LOAD		0.42 kg-m		100%			
ROTATION(Facing Drive End)		<input type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		LOCKED ROTOR		0.81 kg-m		190%			
SHAFT		EXTENSION		SINGLE		NOISE LEVEL		63.0 dB(A)			
		EXTERNAL THRUST		-		VIBRATION		30.0 μm			
		ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT									
TERMINAL BOX		MAIN		<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST		(AT DIRECT ON-LINE)		3.6 kg-m ²			
		AUX.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Motor GD ²		0.0092 kg-m ²			
		BOX LOCATION		LEFT (Viewed from Drive end)		MOTOR APPROX. WEIGHT		18 kg			
APPLICATION STANDARDS		KS.IEC		PAINTING		MUNSELL NO.		5PB 2.5/8			
				THICKNESS		<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μm					
ACCESSORIES (OPTIONAL)				SUBMITTAL DRAWINGS							
TEMPERATURE DETECTOR				OUTLINE DIMENSION		DW-KMH-01HV1F					
WINDING		NO		SPEED-TORQUE CURVE		ST-KMH-01HV1F					
		TYPE		-		TERMINAL BOX DIMENSION		TB-KMH-01HV1F			
		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 MOTOR STANDARD.				2. HIGH EFFICIENCY MOTOR.							
TE : TOTALLY ENCLOSED		DP : DRIP PROOF		DATE		PREPARED		CHECKED		APPROVED	
FC : FAN COOLED		SC : SELF COOLED		2015-07-14		S.D.YUN		S.D.YUN		K.I.HA	