

HIGEN		INDUCTION MOTOR DATA SHEET		0.75 kW 2 P 80M		
MODEL: KMP-01HK3		CUSTOMER :		COIL SPEC NO.:		
APPLICATION:		PROJECT NAME:		REV. NO : 0		
				QUANTITY : SETS		
GENERAL DATA			PERFORMANCE DATA			
FRAME NO.		80M		OUTPUT 0.75 kW		
ENCLOSURE		☐ DRIP PROOF		POLES 2 POLES		
		☒ TOTALLY ENCLOSED		ROTOR TYPE SQUIRREL CAGE		
		☐ Increased Safety Exp.-proof		☒ D.O.L ☐ Y-△		
PROTECTION		IP 55		STARTING METHOD		
METHODS OF COOLING		☐ SC ☒ FC ☐ NV		☐ REACTOR (%TAP) ☐ V.V.V.F		
				☐ VECTOR-DRIVE		
PHASE		3 PHASE		RATED VOLTAGE 220 V 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 A A		
RES. METHOD		80 deg		FULL LOAD 3.0 A 1.7 A		
THERMO. METHOD		deg		STARTING 25.3 A 14.6 A		
LOCATION		☒ INDOOR ☐ OUTDOOR		EFFICIENCY		
ALTITUDE		1000 m		AT 1/2 LOAD %		
HUMIDITY		80 %		AT 3/4 LOAD %		
AMBIENT TEMPERATURE		-10~40 °C		AT FULL LOAD 77.0 %		
RATING		☒ CONT. ☐ %ED		POWER FACTOR		
NEMA DESIGN		B		AT 1/2 LOAD %		
MOUNTING		☒ B3 ☐ B5 ☐ V1 ☐ B3B5		AT 3/4 LOAD %		
BEARING		TYPE BALL / BALL		AT FULL LOAD 86.0 %		
DEIN-DE		6204ZZC3 / 6203ZZC3		SPEED (AT FULL LOAD) 3500 rpm		
LUBRICANT		GREASE		TORQUE		
COUPLING METHOD		☒ DIRECT ☐ V-BELT		FULL LOAD 0.21 kg-m 100%		
ROTATION(Facing Drive End)		☐ CW ☒ CCW		LOCKED ROTOR 0.38 kg-m 180%		
SHAFT				BREAKDOWN 0.42 kg-m 200%		
EXTENSION		SINGLE		NOISE LEVEL 73.0 dB(A)		
EXTERNAL THRUST		-		VIBRATION 25.0 μm		
TERMINAL BOX				ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT		
MAIN		☒ STEEL ☐ AL ☐ CAST		(AT DIRECT ON-LINE) 0.8 kg-m ²		
AUX.		☐ YES ☒ NO		Motor GD ² 0.0079 kg-m ²		
BOX LOCATION		LEFT (Viewed from Drive end)		MOTOR APPROX. WEIGHT 16 kg		
APPLICATION STANDARDS		KS.IEC		PAINTING		
				MUNSELL NO. 5PB 2.5/8.0		
				THICKNESS ☒ STANDARD ☐ μm		
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS			
TEMPERATURE DETECTOR			OUTLINE DIMENSION DW-80MTFCHLS-1			
WINDING			SPEED-TORQUE CURVE ST-P0.75KK3T80M-1			
TYPE			TERMINAL BOX DIMENSION TB-MS112NZ-1			
BEARING						
TYPE						
SPACE HEATER						
RATING						
NOTE			REMARKS			
1. THESE DATA ARE ONLY DESIGN VALUES AND SHALL BE			1. ABOVE ALL DATA ARE CALCULATED AT 100% VOLTAGE.			
GUARANTEED WITH TOLERANCE OF APPLICATION STANDARDS.			2. PREMIUM EFFICIENCY MOTOR.			
2. OTHERS NOT MENTIONED IN THIS SHEET SHALL BE						
IN ACCORDANCE WITH HIGEN MOTOR STANDARD.						
TE : TOTALLY ENCLOSED		DP : DRIP PROOF	DATE	PREPARED	CHECKED	APPROVED
FC : FAN COOLED		SC : SELF COOLED	2016-04-12	H.S.LEE	K.I.HA	K.I.HA