

		INDUCTION MOTOR DATA SHEET		30 kW 2 P 180L	
MODEL: KMP-40HV3		CUSTOMER :		COIL SPEC NO.:	
APPLICATION:		PROJECT NAME:		REV. NO : 0	
				QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		180L		OUTPUT 30 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		☐ REACTOR (%TAP) ☐ V.V.V.F	
METHODS OF COOLING ☐ SC ☒ FC ☐				☐ 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	
RES. METHOD 80 deg		FULL LOAD		48.4 A A	
THERMO. METHOD deg		STARTING		338.9 A 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		92.4 % %	
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		88.0 % %	
DEIN-DE 6312ZZC3 / 6309ZZC3		SPEED (AT FULL LOAD)		3550 rpm	
LUBRICANT GREASE		TORQUE			
COUPLING METHOD ☒ DIRECT ☐ V-BELT		FULL LOAD		8.2 kg-m 100%	
ROTATION(Facing Drive End) ☐ CW ☒ CCW		LOCKED ROTOR		9.9 kg-m 120%	
SHAFT		BREAKDOWN		15.6 kg-m 190%	
EXTENSION SINGLE		NOISE LEVEL		91.0 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)		16.3 kg-m ²	
AUX. ☐ YES ☒ NO		Motor GD ²		0.5309 kg-m ²	
BOX LOCATION LEFT (Viewed from Drive end)		MOTOR APPROX. WEIGHT		225 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-180LTFCHLS-1
WINDING NO			SPEED-TORQUE CURVE		ST-P30KV3T180L-1
TYPE -			TERMINAL BOX DIMENSION		TB-MS180NZ-1
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. PREMIUM EFFICIENCY MOTOR.		
TE : TOTALLY ENCLOSED DP : DRIP PROOF			DATE		PREPARED
FC : FAN COOLED SC : SELF COOLED			2016-04-12		H.S.LEE
			CHECKED		APPROVED
			K.I.HA		K.I.HA