



INDUCTION MOTOR DATA SHEET

30 kW 6 P 200L

MODEL:		CUSTOMER :		COIL SPEC NO.:		REV. NO : 0	
APPLICATION:		PROJECT NAME:			QUANTITY : SETS		
GENERAL DATA				PERFORMANCE DATA			
FRAME NO.		200L		OUTPUT		30 kW	
ENCLOSURE		☐ DRIP PROOF		POLES		6 POLES	
		☒ TOTALLY ENCLOSED		ROTOR TYPE		SQUIRREL CAGE	
		☐ Increased Safety Exp.-proof		STARTING METHOD		☐ D.O.L ☒ Y-△	
PROTECTION		IP 55				☐ REACTOR (%TAP) ☐ V.V.V.F	
METHODS OF COOLING		☐ SC ☒ FC ☐		RATED VOLTAGE		☐ VECTOR-DRIVE	
PHASE		3 PHASE				440 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		54.3 A	A
				STARTING		434.1 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		93.0 %	
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		78.0 %	
		DEW-DE 6313ZZC3 / 6212ZZC3		SPEED (AT FULL LOAD)			
		LUBRICANT GREASE		1180 rpm			
COUPLING METHOD		☒ DIRECT ☐ V-BELT		FULL LOAD		24.8 kg-m	100%
ROTATION(Facing Drive End)		☐ CW ☒ CCW		LOCKED ROTOR		37.1 kg-m	150%
SHAFT		EXTENSION SINGLE		BREAKDOWN		56.9 kg-m	230%
				NOISE LEVEL		81.0 dB(A)	
				VIBRATION		30.0 μm	
EXTERNAL THRUST		-		ALLOWABLE LOAD GD² REFERRED TO MOTOR SHAFT			
TERMINAL BOX		MAIN ☒ STEEL ☐ AL ☐ CAST AUX. ☐ YES ☒ NO BOX LOCATION LEFT (Viewed from Drive end)		(AT DIRECT ON-LINE)		325.0 kg-m²	
Motor GD²				2.1218 kg-m²			
MOTOR APPROX. WEIGHT				335 kg			
APPLICATION STANDARDS		KS.IEC		PAINTING		MUNSELL NO.	5PB 2.5/8.0
				THICKNESS		☒ STANDARD ☐	μm
ACCESSORIES (OPTIONAL)				SUBMITTAL DRAWINGS			
TEMPERATURE DETECTOR							
WINDING		NO					
		TYPE -					
		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		2015-06-23	J.H.KIM	S.S.YUN	T.I.PARK