



# INDUCTION MOTOR DATA SHEET

**37 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		37 kW		
ENCLOSURE		<input type="checkbox"/> DRIP PROOF		POLES		6 POLES		
		<input checked="" type="checkbox"/> TOTALLY ENCLOSED		ROTOR TYPE		SQUIRREL CAGE		
		<input type="checkbox"/> Increased Safety Exp.-proof		STARTING METHOD		<input type="checkbox"/> D.O.L <input checked="" type="checkbox"/> Y-Δ		
PROTECTION		IP 55				<input type="checkbox"/> REACTOR ( %TAP) <input type="checkbox"/> V.V.V.F		
METHODS OF COOLING		<input type="checkbox"/> SC <input checked="" type="checkbox"/> FC <input type="checkbox"/>		RATED VOLTAGE		<input type="checkbox"/> VECTOR-DRIVE		
PHASE		3 PHASE				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		66.5	A	A
				STARTING		465.5	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 °C		AT FULL LOAD		93.0 %		
RATING		<input checked="" type="checkbox"/> CONT. <input type="checkbox"/> %ED		POWER FACTOR				
NEMA DESIGN		B		AT 1/2 LOAD		%		
MOUNTING		<input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5		AT 3/4 LOAD		%		
BEARING		TYPE BALL / BALL		AT FULL LOAD		78.5 %		
		DEW-DE 6313ZZC3 / 6212ZZC3		SPEED (AT FULL LOAD)				1180 rpm
		LUBRICANT GREASE		TORQUE				
COUPLING METHOD		<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		FULL LOAD		30.5 kg-m	100%	
ROTATION(Facing Drive End)		<input type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		LOCKED ROTOR		45.8 kg-m	150%	
SHAFT		EXTENSION SINGLE		BREAKDOWN		61.1 kg-m	200%	
				NOISE LEVEL		81.0 dB(A)		
				VIBRATION		30.0 μm		
EXTERNAL THRUST		-		ALLOWABLE LOAD GD² REFERRED TO MOTOR SHAFT				
TERMINAL BOX		MAIN <input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST AUX. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO BOX LOCATION LEFT (Viewed from Drive end)		(AT DIRECT ON-LINE)		344.0 kg-m²		
Motor GD²				2.3433 kg-m²				
MOTOR APPROX. WEIGHT				350 kg				
APPLICATION STANDARDS		KS.IEC		PAINTING		MUNSELL NO.	5PB 2.5/8.0	
				THICKNESS		<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/>	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	