



INDUCTION MOTOR DATA SHEET

37 kW 4 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		4 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-△		
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				380 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		74.2	A	A
				STARTING		482.1	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"/> S6 40%		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		81.5 %		
	DEW-DE	6313ZZC3 / 6212ZZC3		SPEED (AT FULL LOAD)				1770 rpm
	LUBRICANT	GREASE		TORQUE				
COUPLING METHOD		<input checked="" type="checkbox"/> DIRECT <input checked="" type="checkbox"/> V-BELT		FULL LOAD		20.4 kg-m	100%	
ROTATION(Facing Drive End)		<input type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		LOCKED ROTOR		30.5 kg-m	150%	
SHAFT		EXTENSION SINGLE		BREAKDOWN		46.8 kg-m	230%	
				NOISE LEVEL		85.0 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)		117.0 kg-m ²
		AUX.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Motor GD ²		1.6315 kg-m ²
		BOX LOCATION		LEFT (Viewed from Drive end)		MOTOR APPROX. WEIGHT		290 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