



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-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				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	
				FULL LOAD		127.3 A 73.7 A	
				STARTING		827.6 A 479.2 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		82.0 %	
		DEW-DE 6313ZZC3 / 6212ZZC3		SPEED (AT FULL LOAD) 1770 rpm			
		LUBRICANT GREASE		TORQUE			
COUPLING METHOD		<input checked="" type="checkbox"/> DIRECT <input 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%	
		EXTERNAL THRUST -		NOISE LEVEL		85.0 dB(A)	
				VIBRATION		30.0 μm	
TERMINAL BOX				ALLOWABLE LOAD GD² REFERRED TO MOTOR SHAFT			
MAIN		<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST		(AT DIRECT ON-LINE)		kg-m²	
AUX.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Motor GD²		kg-m²	
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				OUTLINE DIMENSION		DW-KMH-50HK1	
WINDING		NO		SPEED-TORQUE CURVE		ST-KMH-50HK1	
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	
FC : FAN COOLED		SC : SELF COOLED		2015-08-31		J.H.KIM	
				CHECKED		APPROVED	
				S.S.YUN		T.I.PARK	