

HIGEN		INDUCTION MOTOR DATA SHEET		90 kW 2 P 250M	
MODEL:		CUSTOMER :		REV. NO : 0	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		250M		OUTPUT 90 kW	
ENCLOSURE	<input type="checkbox"/> DRIP PROOF		POLES		2 POLES
	<input checked="" type="checkbox"/> TOTALLY ENCLOSED		ROTOR TYPE		SQUIRREL CAGE
	<input type="checkbox"/> Increased Safety Exp.-proof				<input type="checkbox"/> D.O.L <input checked="" type="checkbox"/> Y-△
PROTECTION		IP 55		STARTING METHOD	
METHODS OF COOLING		<input type="checkbox"/> SC <input checked="" type="checkbox"/> FC <input type="checkbox"/>		<input type="checkbox"/> REACTOR (%TAP) <input type="checkbox"/> V.V.V.F	
PHASE		3 PHASE		<input type="checkbox"/> VECTOR-DRIVE	
SERVICE FACTOR		1.15		RATED VOLTAGE 380 V V	
INSULATION CLASS		F CLASS		FREQUENCY 60 Hz	
TEMP. RISE AT FULL LOAD (at S.F 1.0)		CURRENT			
RES. METHOD		105 deg		NO LOAD 39.0 A A	
THERMO. METHOD		°C		FULL LOAD 162.6 A A	
LOCATION		<input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR		STARTING 1219.4 A A	
ALTITUDE		1000 m		EFFICIENCY	
HUMIDITY		80 %		AT 1/2 LOAD %	
AMBIENT TEMPERATURE		-10~40 °C		AT 3/4 LOAD %	
RATING		<input checked="" type="checkbox"/> CONT. <input type="checkbox"/> %ED		AT FULL LOAD 94.5 %	
NEMA DESIGN		B		POWER FACTOR	
MOUNTING		<input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5		AT 1/2 LOAD %	
BEARING	TYPE	BALL / BALL		AT 3/4 LOAD %	
	DEIN-DE	6313C3 / 6313C3		AT FULL LOAD 89.0 %	
	LUBRICANT	GREASE		SPEED (AT FULL LOAD) 3540 rpm	
COUPLING METHOD		<input checked="" type="checkbox"/> DIRECT <input checked="" type="checkbox"/> V-BELT		TORQUE	
ROTATION(Facing Drive End)		<input type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		FULL LOAD 24.8 kg-m 100%	
SHAFT		LOCKED ROTOR 32.2 kg-m 130%			
EXTENSION		SINGLE		BREAKDOWN 56.9 kg-m 230%	
EXTERNAL THRUST		-		NOISE LEVEL 94.0 dB(A)	
TERMINAL BOX		VIBRATION 15.0 μm			
MAIN		<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST		ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT	
AUX.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		(AT DIRECT ON-LINE) 31.2 kg-m ²	
BOX LOCATION		LEFT (Viewed from Drive end)		Motor GD ² 3.014 kg-m ²	
APPLICATION STANDARDS		KS.IEC		MOTOR APPROX. WEIGHT 510 kg	
				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-120HU3		
WINDING NO			SPEED-TORQUE CURVE ST-KMH-120HU3		
TYPE -			TERMINAL BOX DIMENSION TB-250SM-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. HIGH EFFICIENCY MOTOR.		
TE : TOTALLY ENCLOSED DP : DRIP PROOF			DATE PREPARED CHECKED APPROVED		
FC : FAN COOLED SC : SELF COOLED			2015-08-21 J.H.KIM S.S.YUN T.I.PARK		