

HIGEN		INDUCTION MOTOR DATA SHEET		55 kW 6 P 250S	
MODEL:		CUSTOMER :		REV. NO : 0	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		250S		OUTPUT 55 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		<input type="checkbox"/> D.O.L <input checked="" type="checkbox"/> Y-△	
PROTECTION IP 55		STARTING METHOD		<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"/>				<input type="checkbox"/> VECTOR-DRIVE	
PHASE 3 PHASE		RATED VOLTAGE 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		38.0 A A	
		FULL LOAD		108.9 A A	
		STARTING		664.1 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		93.6 %	
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 ROLLER / BALL DEW-DE NU218 / 6314ZZC3 LUBRICANT GREASE		AT FULL LOAD		82.0 %	
		SPEED (AT FULL LOAD)		1175 rpm	
		TORQUE			
COUPLING METHOD <input type="checkbox"/> DIRECT <input checked="" type="checkbox"/> V-BELT		FULL LOAD		45.6 kg-m 100%	
ROTATION(Facing Drive End) <input type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		LOCKED ROTOR		54.7 kg-m 120%	
SHAFT		BREAKDOWN		82.0 kg-m 180%	
EXTENSION SINGLE		NOISE LEVEL		85.0 dB(A)	
EXTERNAL THRUST -		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)		390.0 kg-m²	
AUX. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Motor GD²		6.1729 kg-m²	
BOX LOCATION LEFT (Viewed from Drive end)		MOTOR APPROX. WEIGHT		450 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			2015-08-21 J.H.KIM S.S.YUN T.I.PARK		