

HIGEN		INDUCTION MOTOR DATA SHEET		1.5 kW - 6 P	
MODEL: I02HK8FNVB				REV. NO :	
APPLICATION:		PROJECT NAME:		QUANTITY :	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		FF215		OUTPUT 1.5 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 checked="" type="checkbox"/> D.O.L <input type="checkbox"/> Y- <input type="checkbox"/> REACTOR ( %TAP) <input type="checkbox"/> V.V.V.F <input type="checkbox"/> SOFT-STARTER		
PROTECTION IP 55		STARTING METHOD			
METHODS OF COOLING <input type="checkbox"/> SC <input type="checkbox"/> FC <input checked="" type="checkbox"/> NV					
FREQUENCY 60 Hz		RATED VOLTAGE 220 V 380 V V			
PHASE 3 PHASE		CURRENT			
SERVICE FACTOR 1.0		NO LOAD		A	A
INSULATION CLASS F CLASS		FULL LOAD		6.8 A	3.9 A
TEMP. RISE AT FULL LOAD (at S.F 1.0)		STARTING		44.2 A	25.4 A
RES. METHOD 105		EFFICIENCY			
THERMO. METHOD		AT 1/2 LOAD		%	
LOCATION <input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR		AT 3/4 LOAD		%	
ALTITUDE 1000 m		AT FULL LOAD		80.0 %	
HUMIDITY 80 %		POWER FACTOR			
AMBIENT TEMPERATURE -10-40		AT 1/2 LOAD		%	
RATING <input type="checkbox"/> CONT. <input checked="" type="checkbox"/> 30MIN		AT 3/4 LOAD		%	
NEMA DESIGN B		AT FULL LOAD		69.0 %	
MOUNTING <input type="checkbox"/> B3 <input checked="" type="checkbox"/> B5 <input checked="" type="checkbox"/> V1 <input type="checkbox"/> B3B5		SPEED (AT FULL LOAD)		1150 rpm	
BEARING	TYPE BALL		TORQUE		
	DEW-DE 6206ZZ/6205ZZ		FULL LOAD 1.27 kg-m 100%		
	LUBRICANT GREASE		LOCKED ROTOR 2.03 kg-m 160%		
COUPLING METHOD <input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		BREAKDOWN		2.41 kg-m 190%	
SHAFT		NOISE LEVEL		77.0 dB(A)	
EXTENSION SINGLE		VIBRATION		15.0 μm	
EXTERNAL THRUST		ALLOWABLE LOAD GD <sup>2</sup> REFERRED TO MOTOR SHAFT (AT DIRECT ON-LINE)		24.7 kg-m <sup>2</sup>	
TERMINAL BOX		Motor GD <sup>2</sup>		0.0351 kg-m <sup>2</sup>	
MAIN <input type="checkbox"/> STEEL <input checked="" type="checkbox"/> AL <input type="checkbox"/> CAST		MOTOR APPROX. WEIGHT		36.0 kg	
AUX. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		PAINTING		MUNSELL NO. -	
BOX LOCATION LEFT		THICKNESS		<input type="checkbox"/> STANDARD <input type="checkbox"/> μm	
APPLICATION STANDARDS IEC, KS					
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
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 STANDARD.					
FC : FAN COOLED	SC : SELF COOLED	DATE	PREPARED	CHECKED	APPROVED
AO : AIR OVER	NV : NON-VENTILATED	2008-06-24	M.S.PARK	J.H.JO	H.J.KIM