

HIGEN		INDUCTION MOTOR DATA SHEET		1.5 kW - 4 P		
MODEL: I02HQ154P		CUSTOMER :		REV. NO :		
APPLICATION:		PROJECT NAME:		QUANTITY :		
GENERAL DATA			PERFORMANCE DATA			
FRAME NO.		90L		OUTPUT 1.5 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				<input checked="" type="checkbox"/> D.O.L <input type="checkbox"/> Y-	
PROTECTION	IP 54		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"/> AO				<input type="checkbox"/> SOFT-STARTER	
FREQUENCY	50 Hz		RATED VOLTAGE		380 V V V	
PHASE	3 PHASE		CURRENT			
SERVICE FACTOR	1.0		NO LOAD		A A A	
INSULATION CLASS	F CLASS		FULL LOAD		3.5 A A A	
TEMP. RISE AT FULL LOAD (at S.F 1.0)		STARTING		22.6 A A 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 checked="" type="checkbox"/> CONT. <input type="checkbox"/> %ED		AT 3/4 LOAD		%	
NEMA DESIGN	B		AT FULL LOAD		82.0 %	
MOUNTING	<input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5		SPEED (AT FULL LOAD)		1420 rpm	
BEARING	TYPE	BALL		TORQUE		
	DEW-DE	6205ZZ/6204ZZ		FULL LOAD		1.03 kg-m 100%
	LUBRICANT	GREASE		LOCKED ROTOR		1.95 kg-m 190%
COUPLING METHOD		<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		BREAKDOWN		2.06 kg-m 200%
SHAFT		NOISE LEVEL		67.0 dB(A)		
EXTENSION		SINGLE		VIBRATION		15.0 μm
EXTERNAL THRUST				ALLOWABLE LOAD GD <sup>2</sup> REFERRED TO MOTOR SHAFT		
TERMINAL BOX		(AT DIRECT ON-LINE)		6.0 kg-m <sup>2</sup>		
MAIN		<input type="checkbox"/> STEEL <input checked="" type="checkbox"/> AL <input type="checkbox"/> CAST		Motor GD <sup>2</sup>		0.0174 kg-m <sup>2</sup>
AUX.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		MOTOR APPROX. WEIGHT		27.0 kg
BOX LOCATION		LEFT		PAINTING		MUNSELL NO.
APPLICATION STANDARDS		IEC, KS		THICKNESS		<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μm
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS			
NOTE		REMARKS				
1. THESE DATA ARE ONLY DESIGN VALUES AND SHALL BE GUARANTEED WITH TOLLERANCE 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		2008.09.29	S.M.KIM	J.H.JO	H.J.KIM	