

HIGEN		INDUCTION MOTOR DATA SHEET		7.5 kW - 2 P		
MODEL: I10HQ3FE54		CUSTOMER :		REV. NO :		
APPLICATION:		PROJECT NAME:		QUANTITY :		
GENERAL DATA			PERFORMANCE DATA			
FRAME NO.		FF265		OUTPUT 7.5 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 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		14.0 A A A	
TEMP. RISE AT FULL LOAD (at S.F 1.0)				STARTING		91.0 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		85.5 %	
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		91.0 %	
MOUNTING	<input type="checkbox"/> B3 <input checked="" type="checkbox"/> B5 <input checked="" type="checkbox"/> V1 <input type="checkbox"/> B3B5		SPEED (AT FULL LOAD)		2890 rpm	
BEARING	TYPE	BALL		TORQUE		
	DEW-DE	6208ZZ/6206ZZ		FULL LOAD		2.53 kg-m 100%
	LUBRICANT	GREASE		LOCKED ROTOR		3.79 kg-m 150%
COUPLING METHOD		<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		BREAKDOWN		5.05 kg-m 200%
SHAFT				NOISE LEVEL		84.0 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)		5.9 kg-m <sup>2</sup>
MAIN		<input type="checkbox"/> STEEL <input type="checkbox"/> AL <input checked="" type="checkbox"/> CAST		Motor GD <sup>2</sup>		0.116 kg-m <sup>2</sup>
AUX.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		MOTOR APPROX. WEIGHT		81.0 kg
BOX LOCATION		LEFT		PAINTING		MUNSELL NO. 7.1 B 4.0/0.9
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		2008.09.18	S.M.KIM	J.H.JO	H.J.KIM	