

HIGEN		INDUCTION MOTOR DATA SHEET		5.5 kW - 4 P	
MODEL:		CUSTOMER :		REV. NO :	
APPLICATION:		PROJECT NAME:		QUANTITY :	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.	132		OUTPUT	5.5 kW	
ENCLOSURE	☐ DRIP PROOF		POLES	4 POLES	
	☒ TOTALLY ENCLOSED		ROTOR TYPE	SQUIRREL CAGE	
	☐ Increased Safety Exp.-proof		STARTING METHOD	☒ D.O.L ☐ Y-	
PROTECTION	IP 44			☐ REACTOR (%TAP) ☐ V.V.V.F	
METHODS OF COOLING	☐ SC ☒ FC ☐ AO			☐ SOFT-STARTER	
FREQUENCY	60 Hz		RATED VOLTAGE	480 V	V V
PHASE	3 PHASE		CURRENT		
SERVICE FACTOR	1.0		NO LOAD	A	A A
INSULATION CLASS	F CLASS		FULL LOAD	8.8 A	A A
TEMP. RISE AT FULL LOAD (at S.F 1.0)			STARTING	57.2 A	A A
RES. METHOD	105		EFFICIENCY		
THERMO. METHOD			AT 1/2 LOAD	%	
LOCATION	☒ INDOOR ☐ OUTDOOR		AT 3/4 LOAD	%	
ALTITUDE	1000 m		AT FULL LOAD	86.0	%
HUMIDITY	80 %		POWER FACTOR		
AMBIENT TEMPERATURE	-10~40		AT 1/2 LOAD	%	
RATING	☒ CONT. ☐ %ED		AT 3/4 LOAD	%	
NEMA DESIGN	B		AT FULL LOAD	82.0	%
MOUNTING	☐ B3 ☒ B5 ☐ V1 ☐ B3B5		SPEED (AT FULL LOAD)	1740	rpm
BEARING	TYPE	BALL	TORQUE		
	DEIN-DE	6208ZZ/6206ZZ	FULL LOAD	3.06 kg-m	100%
	LUBRICANT	GREASE	LOCKED ROTOR	4.90 kg-m	160%
COUPLING METHOD	☒ DIRECT ☐ V-BELT		BREAKDOWN	6.12 kg-m	200%
SHAFT			NOISE LEVEL	77.0	dB(A)
EXTENSION	SINGLE		VIBRATION	15.0	μm
EXTERNAL THRUST			ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT		
TERMINAL BOX			(AT DIRECT ON-LINE)	22.2	kg-m ²
MAIN	☐ STEEL ☒ AL ☐ CAST		Motor GD ²	0.106	kg-m ²
AUX.	☐ YES ☒ NO		MOTOR APPROX. WEIGHT	66.0	kg
BOX LOCATION	LEFT		PAINING	MUNSELL NO.	-
APPLICATION STANDARDS	IEC, KS		THICKNESS	☒ STANDARD ☐	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
AO : AIR OVER			2008.08.19	M.S.PARK	J.H.JO
					APPROVED
					H.J.KIM