HIGEN	INDUCTION MOTOR DATA SHEET	3 kW - 8 P

MODEL: I04HK9GH55	CUSTOMER :	REV. NO :
APPLICATION:	PROJECT NAME:	QUANTITY : SETS

GENERAL DATA		PERFORMANCE DATA				
FRAME NO.	132M	OUTPUT		3	kW	
ENCLOSURE	☐ DRIP PROOF	POLES		8	POLES	
	☑ TOTALLY ENCLOSED	ROTOR TYPE		SQUIRREL CAGE		
	☐ Increased Safety Exp.-proof	STARTING METHOD	☑ D.O.L ☐ Y-			
PROTECTION	IP 55		☐ REACTOR (%TAP) ☐ V.V.V.F			
METHODS OF COOLING	☐ SC ☑ FC ☐		☐ VECTOR DRIVE			
PHASE	3 PHASE	RATED VOLTAGE	220	V	380 V	V
SERVICE FACTOR	1.0	FREQUENCY	60		Hz	
INSULATION CLASS	F CLASS	CURRENT				
TEMP. RISE AT FULL LOAD (at S.F 1.0)			NO LOAD	8.5 A	4.9 A	A
RES. METHOD	105		FULL LOAD	13.7 A	7.9 A	A
THERMO. METHOD			STARTING	67.6 A	39.1 A	A
LOCATION	☑ INDOOR ☐ OUTDOOR	EFFICIENCY				
ALTITUDE	1000 m	AT 1/2 LOAD			%	
HUMIDITY	80 %	AT 3/4 LOAD			%	
AMBIENT TEMPERATURE	-10~40	AT FULL LOAD		82.0	%	
RATING	☑ CONT. ☐ %ED	POWER FACTOR				
NEMA DESIGN	B	AT 1/2 LOAD			%	
MOUNTING	☑ B3 ☐ B5 ☐ V1 ☐ B3B5	AT 3/4 LOAD			%	
BEARING	TYPE	BALL	AT FULL LOAD		70.0	%	
	DE\N-DE	6208ZZ/6206ZZ	SPEED (AT FULL LOAD)		850	rpm	
	LUBRICANT	GREASE	TORQUE				
COUPLING METHOD	☑ DIRECT ☐ V-BELT	FULL LOAD		3.4	kg-m	100%
ROTATION(Facing Drive End)	☑ CW ☑ CCW	LOCKED ROTOR		4.8	kg-m	140%
SHAFT		BREAKDOWN		6.2	kg-m	180%
EXTENSION	SINGLE	NOISE LEVEL		62	dB(A)	
EXTERNAL THRUST		VIBRATION		30.0		
TERMINAL BOX		ALLOWABLE LOAD GD² REFERRED TO MOTOR SHAFT				
MAIN	☐ STEEL ☐ AL ☑ CAST	(AT DIRECT ON-LINE)		48.8	kg-m²	
AUX.	☐ YES ☑ NO	Motor GD²		0.1530	kg-m²	
BOX LOCATION	LEFT (Viewed from Drive end)	MOTOR APPROX. WEIGHT		82	kg	
APPLICATION STANDARDS	KS.IEC	PAINTING	MUNSELL NO.	7.1B4.0/0.9		
			THICKNESS	☑ STANDARD ☐		

ACCESSORIES (OPTIONAL)		SUBMITTAL DRAWINGS

REMARKS

1. ABOVE ALL DATA ARE CALCULATED AT 100% VOLTAGE.

DATE	PREPARED	CHECKED	APPROVED
2009-03-19	A.R.LEE	H.J.KIM	H.J.KIM