HIGEN				INDUCTION MOTOR DATA SHEET						2.2	kW -	4	P
MODEL: I03HK1GSN			CUSTOMER:						REV. N	0:			
APP	PPLICATION: PROJECT NAME:			IAME:				QUANT	TTY:				
GENERAL DATA						PERFORMANCE DATA							
FRAME NO.			112			OUTPUT					2.2		kW
		☐ DRIP PROOF			POLES			4		POLES			
ENCLOSURE			✓ TOTALLY ENCLOSED			ROTOR TYPE			SQUIRREL CAGE				
			☐ Increased Safety Expproof						✓ D.0	O.L	Y-∠	7	
PROTECTION			IP 44			STARTING METHOD		☐ REACTOR ( %TAP) [			TAP) [	V.V.V.F	
METHODS OF COOLING			☐ SC ☑ FC ☐ AO					☐ SOFT-STARTER			R		
FREQUENCY			60 Hz			RATED VOLTAGE			220	V	380	V	V
PHASE			3 PHASE			CURRENT						· ·	
SERVICE FACTOR			1.0			NO LOAD				Α		Α	Α
INSULATION CLASS			F CLASS			FULL LOAD			8.8	Α	5.1	Α	Α
TEM	IP. RISE A	T FULL LOAD (at	S.F 1.0)			STARTI	NG		57.2	Α	33.1	Α	А
RES. METHOD			105 ℃			EFFICIENCY						•	
THERMO. METHOD		C			AT 1/2 LOAD			%					
LOCATION		✓ INDOOR □ OUTDOOR			AT 3/4 LOAD			%					
ALTITUDE		1000 m			AT FULL LOAD			8	3.0		%		
HUMIDITY			80 %			POWER FACTOR							
AMBIENT TEMPERATURE			-10~40 °C			AT 1/2 LOAD						%	
RATING			✓ CONT.			AT 3/4 LOAD						%	
NEMA DESIGN			В			AT FULL LOAD			79.0 %				
MOUNTING		☐ B3 ☑ B5 ☐ V1☐ B3B5			SPEED (AT FULL LOAD)			1740 rpm					
BEA	RING	TYPE		BALL		TORQUE							
		DE\N-DE	6	6207ZZ/6205Z	ZZ	FULL LO	OAD		1	.23	kg-	m	100%
		LUBRICANT		GREASE		LOCKE	D ROTOR		2	.22	kg-	m	180%
COUPLING METHOD		✓ DIRECT  V-BELT			BREAKDOWN			2	.46	kg-	m	200%	
SHAFT					NOISE LEVE	L		6	8.0		dB(A)		
EXTENSION		SINGLE			VIBRATION			1	5.0		μm		
EXTERNAL THRUST						ALLOWABLE LOAD GD <sup>2</sup> REFERREI			то мо	TOR S	SHAFT		
TERMINAL BOX						(AT DIRECT	ON-LINE)		1	2.0		kg-m <sup>2</sup>	
	MAIN		STEE	L AL	CAST	Motor GD <sup>2</sup>	,		0.0	)351		kg-m <sup>2</sup>	
	AUX.		YES		NO	MOTOR APP	ROX. WEIG	HT	4	1.0		kg	
	BOX LOC	ATION		LEFT	_	PAINTING	MUNSELL	NO.			_		
APPLICATION STANDARDS			IEC, KS				THICKNESS			ANDA	RD [		шm
ACCESSORIES (OPTIONAL)							SUBMITT				GS		<u>·</u>
ı	NOTE			REMARKS									
1. TH	IESE DATA	ARE ONLY DESIGN	VALUES AN	1. ABOVE AL	L DATA ARI	E CALCULA	TED AT	100%	VOLTAC	BE.			
	-	O WITH TOLLERAN			DARDS.								
		MENTIONED IN TH		HALL BE									
		NCE WITH HIGEN S		000/ 55				5555	255	Q1 :-	01/55	1	NDD 01 /55
FC : FAN COOLED SC : SELF COOLED						DATE PREPA				CKED		PROVED	
AO : AIR OVER						2008.0	2008.07.14 S.M.I			J.F	H.JO	H	.J.KIM