

## AC INDUCTION MOTOR DATA SHEET

Model No.or RFQ No. Project Name GENERAL Frame Size					Item N Project					Rev. N		0	]
GENERAL	SPECIFIC				Project	No							
	SPECIFIC				ject Name Projec				Quantity sets				
		ATIO	N					PERFOR	MAN	<u> </u>			
	250M					Rated Ou	tpu	t		90	kW	120 HP	)
Type HS-90/4				Number of		4							
Enclosure(Protection) Totally Enclosed (IP55			5)	Rotor Type			Squirrel Cage						
Method of Cooling IC411(FC)				Starting N	hod*								
Rated Frequency 60 Hz				Rated Voltage							220		
Number of Phases 3				Current Full Load						2	88.9		
Insulation Class	F		B		Н			ocked-rotor**	:				670
Temp. Rise at full load						Efficience			1			_	
at 1.0 S.F		80 deg. C				·	50% Load		94.2	%			
Motor Location		Indoor □ Outdoor			75% Load			94.6 %					
Altitude		Less than 1000 meter			100% Load			94.5 %					
Relative Humidity	Less that		0 %	meter		Power Fa				71.5	/0		
Ambient Temp.	Less tha			g. C (	Max )	1000114		50% Load		0.830			
Duty Type	Continuo			ig. C (1	wiax.)	-		75% Load		0.860			
Service Factor	1.15	15 ( 51	)			-		00% Load		0.865			
Mounting		□ B5		V1	B3/B5	Speed at 1				1785	rnm		
	Anti-Fri			VI L	<b>D</b> 3/D3	Torque	ı ul	Loau	1	1105	r.h.m		
TypeBearingDE/N-DE	6316C3	aon	/	6313C	2	rorque	<b>D</b> <sub>1</sub> ,	Ill Load	1	40.1	kg∙m		
Lubricant		Grease(Gadus S2 V 100 2)			-		cked-rotor**	:	150	-			
			52 V	100 2)		-		eakdown**		230			
External Thrust	Not appl			V D-1	4	Managat				250	%0		
Coupling Method	Direc			V-Bel		Moment		( )	1	(2.505	1		
Shaft Extension	Singl	e		Doubl		-	-	oad(Max.)		63.525			
Terminal Main	Steel		_	Cast I	ron	<i>a</i> 15		lotor	 	1.940	-		
Box Aux.	—	Yes No						b-load & mean value at 1m from motor 82 dB(A) 2.2 mm/sec (r.m.s)					
Location	Refer to	Refer to Outline Drawing											
Application					Vibration					,	n.s)		
			-Hazardous						Cold		times		
Type of Ex-Protection	Not appl					consecuti	-		Hot		times		
Applicable Standard	KS,IEC,N	IEMA I	MG1	Part30(	Vpeak)	Paint	M	unsell No.			(VL-451)		
ACCESSORIES								SUBMIT		<b>RAWI</b>			
						Outline D	Dim	ension Drawi	ing	\	Motor Weig	ght(Ap	-
								B3					kg
								B5					kg
								V1					kg
								B3/B5	TJ5M	ICP51		550	kg
						Main T-B	OX .	Ass'y	3M-0	16882			
SPARE PARTS				REMARI		High	High Efficiency						
						*. For use	on ]	PWM VFD 10	:1VT, 3	3:1CT@1	1.0S.F&F Ten	np. rise	
						Date		DSND	CH	łKD	CHKD	Al	PPD
						2010-05-2	28	R.G. KIM	O.J.	. KIM	J.H. KIM	K.J.	KAN

\* In case of Inverter-Fed Motor, performance data is based on sine wave tests.

\*\* Data is based on when the motor is supplied at rated voltage & frequency. and the data is expressed as a percentage of full-load value.

HHI W230-131-1 \* In case of Inverter or V.V.V.F Motor:Performance data is based on sine wave tests. A4(210mm X 297mm)





