

AC INDUCTION MOTOR DATA SHEET

Model No.or RFQ No.		Item No.				Rev. No	D. [0]	
Project Name		Project	No.			Quantity		sets		
GENERAL SPECIFICATION						MANCE DATA				
Frame Size		250S	Rated Ou	tput	75 kW			100 HP		
Туре		HS-75/2	Number o				2			
Enclosure(Protection)		Explosion Proof (IP55)	Rotor Typ							
Method of Cooling		IC411(FC)	Starting Method*		■ D.O.L □ Y- △					
Rated Frequency		60 Hz	Rated Vo			440 V	380 V		220 V	
Number of Phases		3		Full Load		16.2 A	134.5 A		32.4 A	
Insulation Class		■ F □ B □ H	Current	Locked-rotor**		650 %	650 %		650 %	
Temp. Rise at full load (Efficiency			000 /0	020 70		050 70	
at 1.0 S.F		80 deg. C	Emiciene.	50% Load		91.8	%			
Motor Location		☐ Indoor ☐ Outdoor	1		93.2					
Altitude		Less than 1000 meter			93.6					
Relative Humidity		Less than 80 %	Power Fa	100% Load		75.0	70			
Ambient T		40 deg. C (Max.)	Towerra	50% Load		0.879				
Duty Type		Continuous (S1)		75% Load		0.901				
Service Fa		1.00	-	100% Load		0.901				
Mounting	ictor		Speed at 1			3570	r n m			
Mounting	T		_	ruii Loau		3370	1.p.m			
	Type	Anti-Friction	Torque	Full Load	1	20.5	l			
Bearing	DE/N-DE	6313C3 / 6313C3	-			20.5				
	Lubricant	Grease(Gadus S2 V 100 2)		Locked-rotor**		150				
External T		Not applicable	3.6	Breakdown**		250	%			
Coupling 1		Direct V-Belt	Moment of	of Inertia (J)	1	0.050	1 2			
Shaft Exte		Single Double		Load(Max.)		9.050				
Terminal	Main	☐ Steel ☐ Cast Iron		Motor		1.053				
Box	Aux.	☐ Yes ■ No	Sound Pro	essure Level (No	o-load a			from r	notor)	
Location		Refer to Outline Drawing					dB(A)			
Application			Vibration				mm/sec (r.n	ı.s)		
Area classification		Hazardous		ole number of	Cold 3 times					
Type of Ex-Protection		Ex d II T4	consecuti		Hot 2 times					
Applicable Standard		KS,IEC	Paint	Munsell No.	4.0PB5.4/5.5(VL-451)					
ACCESSO	ORIES		SUBMITTAL DRAWING							
			Outline D	imension Drawi	ing	\	Motor Weig	tht(Ap	prox.)	
				В3					kg	
				B5	0			0	kg	
				V1	GJ50F	PC01		695	kg	
				B3/B5	0			0	kg	
			Main T-Bo	ox Ass'y 3M-0369		36962				
SPARE PARTS			REMARI	High Efficiency						
DI THE THEID				-	1111911	Linere	ney			
			Date	DSND	СН	KD	CHKD	Al	PPD	
			2010-05-2	28 R.G. KIM	O.J.	KIM	J.H. KIM	K.J. 1	KANG	
			<u> </u>					<u> </u>		

Note: Others not mentioned in this data sheet shall be in accordance with maker standard.

Above technical data are only design values and shall be guaranteed with tolerance of applicable standard.

Inspection and performance test shall be maker standard, if not mentioned.

 $[\]ensuremath{^{*}}$ 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.



PERFORMANCE CURVE

CURVE NO.

P-HS-75/2

Type : GHB250M

Full Load Torque : 20.5 Kg.m

Motor moment of Inertia (J) : 1.053 Kg.m²

Load moment of Inertia (J) : 9.050 Kg.m²

75 kW	2	Р	60 Hz		
Speed at Full Load:			3570	RPM	
Rated Voltage	440V	380V	220V		
Full Load Current	116.2A	134.5A	232.4A		







