

AC INDUCTION MOTOR DATA SHEET

Model No.	or RFQ No.		Item No	0.		Rev. N	No.	0 1	
Project Na			Project			Quant		ets	
GENERAL SPECIFICATION			PERFORMANCE DATA						
Frame Size		225S		Rated Outp				60 HP	
Туре	-	HS-45/6		Number of			6		
	(Protection)	Explosion Proof (IP55)	Rotor Type		Squirrel Cag			
Method of	·	IC411(FC)	/	Starting Me		D.O.L	Y	- ^	
Rated Fred		60 Hz		Rated Volta		440 V			
Number of		3			full Load	75.6 A			
Insulation		■ F □ B □ H	ſ		ocked-rotor**	630 %			
		by resistance method)		Efficiency	ocked fotor	020 /	70	030 70	
	1.0 S.F	80 deg. C			50% Load	93.3	%		
Motor Loc		☐ Indoor ☐ Outdoo	nr.	 	75% Load	93.7			
Altitude	ation	Less than 1000 meter	,1	<u> </u>	100% Load	93.6			
Relative H	lumidity	Less than 80 %		Power Fact		75.0	70		
Ambient T	•	40 deg. C (N	May)	I ower race	50% Load	0.750)		
Duty Type	*	Continuous (S1)	лах.)	-	75% Load	0.825			
Service Fa		1.00		 	100% Load	0.825			
	ictor		B3/B5	Speed at Fu			r.p.m		
Mounting	Т	Anti-Friction	B3/B3	Torque	III Loau	1163	1.p.m		
	Type				full Load	27.0	\ 1		
Bearing	DE/N-DE	6314C3 / 6213C3	1		ocked-rotor**) kg·m		
E . 1.T	Lubricant	Grease(Gadus S2 V 100 2)				150			
External Thrust		Not applicable			Breakdown**	230) %		
Coupling I		Direct V-Belt		Moment of		101.050	1 2		
Shaft Exte		Single Double			Load(Max.)	101.050			
Terminal	Main	☐ Steel ☐ Cast Iro	on		Motor		kg·m²		
Box Aux.		☐ Yes ■ No		Sound Pres	sure Level (No			from motor)	
	Location	Refer to Outline Drawing					dB(A)	`	
Applicatio				Vibration			2 mm/sec (r.m	1.S)	
Area classification		Hazardous		Permissible number of Cold 3 times					
• •	x-Protection	Ex d II T4		consecutive			times		
Applicable		KS,IEC		Paint N	Iunsell No.	4.0PB5.4/5.			
ACCESSO	ORIES					TAL DRAW			
				Outline Din	nension Drawi	ng \	Motor Weig		
					В3			kg	
						0		0 kg	
					V1	GJ25PP02		545 kg	
					B3/B5	0		0 kg	
				Main T-Box	Ass'y	3M-036961			
SPARE PARTS				REMARK Hi		High Effici	ligh Efficiency		
	·						-		
				Dati	DOND	CHAD	CHND	A DDD	
				Date	DSND	CHKD	CHKD	APPD	
				2010-05-28	R.G. KIM	O.J. KIM	J.H. KIM	K.J. KANG	
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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.

 $[\]boldsymbol{*}$ 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-45/6

Type : GHB225M

Full Load Torque : 37.0 Kg.m

Motor moment of Inertia (J) : 1.555 Kg.m²

Load moment of Inertia (J) : 101.050 Kg.m²

45 kW	6	Р	60 Hz		
Speed at Full Load:			1185	RPM	
Rated Voltage	440V	380V	220V		
Full Load Current	75.6A	87.5A	151.1A		







