

AC INDUCTION MOTOR DATA SHEET

Model No.or RFQ No.		Item N			Rev. No). [0]		
Project Name		Project	No.			Quantity		sets		
GENERAL SPECIFICATION			PERFORMANCE DATA							
Frame Size		280S	Rated Ou	tput		110	kW 1	50 HI)	
Type		HS-110/2	Number o	of Poles	2		2			
Enclosure(Protection)		Explosion Proof (IP55)	Rotor Typ	Rotor Type Squirrel Cage			:			
Method of Cooling		IC411(FC)	Starting N		D. C		□ Y	´- A		
Rated Frequency		60 Hz	Rated Voltage			440 V	380 V		220 V	
Number of Phases		3		Full Load		59.7 A	196.5 A		39.4 A	
Insulation Class		■ F □ B □ H	Current	Locked-rotor**		650 %	650 %		650 %	
		by resistance method)	Efficiency			000 /0	050 /	<u>′</u>	020 70	
at 1.0 S.F		80 deg. C	50% Load			92.6	%			
Motor Location		☐ Indoor ☐ Outdoor		94.0 %						
Altitude		Less than 1000 meter		94.5 %						
Altitude Relative Humidity		Less than 80 %	Power Fa	100% Load		74.3	70			
Ambient T		40 deg. C (Max.)	1 OWCI I'a	50% Load		0.896				
Duty Type		Continuous (S1)		75% Load		0.900				
Service Fa		1.00		100% Load		0.900				
	ictor		Cmood of 1							
Mounting	T	□ B3 □ B5 ■ V1 □ B3/B5	Speed at 1	ruii Load		3570	r.p.m			
	Туре	Anti-Friction	Torque	D 11 X 1	I	20.0				
Bearing	DE/N-DE	6314C3 / 6314C3	1	Full Load		30.0				
	Lubricant	Grease(Gadus S2 V 100 2)	1	Locked-rotor**		150				
External T		Not applicable		Breakdown**		250	%			
Coupling I		Direct V-Belt	Moment of	of Inertia (J)	T					
Shaft Exte		■ Single □ Double	_	Load(Max.)		12.350				
Terminal	Main	☐ Steel ☐ Cast Iron		Motor		2.100				
Box	Aux.	☐ Yes ■ No	Sound Pressure Level (No-load & mean value at 1m from						motor)	
Location		Refer to Outline Drawing	90 dB(A)							
Application			Vibration				mm/sec (r.n	n.s)		
Area classification		Hazardous					times			
Type of Ex-Protection		Ex d II T4	consecuti	ve starts	Hot 2 times					
Applicable	e Standard	KS,IEC	Paint	Munsell No. 4.0PB5.4/5.5(VL-451)			(VL-451)			
ACCESSO	ORIES		SUBMITTAL DRAWING							
			Outline D	imension Drawing \			Motor Weight(Approx.)			
				В3					kg	
				B5	0			0	kg	
				V1	GJ80F	PC01		980	kg	
				B3/B5	0			0	kg	
			Main T-Bo	ox Ass'y 3M-0369		36962	<u> </u>			
				·						
SPARE PARTS			REMARI	High Efficiency						
DI THE I THEID			1021/11/11	Imgn	Linere	incy				
			Date	DSND	CH	KD	CHKD	A	PPD	
			2010-05-2	28 R.G. KIM	O.J.	KIM	J.H. KIM	K.J.	KANG	
			<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.

 $[\]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-110/2

Type : GHB280M

Full Load Torque : 30.0 Kg.m

Motor moment of Inertia (J) : 2.100 Kg.m²

Load moment of Inertia (J) : 12.350 Kg.m²

110 kW	2	Р	60 Hz		
Speed at Full Load:			3570	RPM	
Rated Voltage	440V				
Full Load Current	169.7A	196.5A	339.4A		







