

AC INDUCTION MOTOR DATA SHEET

Model No.									
Model No.or RFQ No. Item No.					Rev. No. [0]		
Project Name Project				No.			Quantity sets		
		PECIFICATION				MANCE DATA			
Frame Size		250S		Rated Outp		75	kW	100 HF)
Type		HLP-75/4		Number of l	Poles		4		
Enclosure(F		Totally Enclosed (IP55)	Rotor Type		Squirrel Cage	,		
Method of 0		IC411(FC)		Starting Me		D.O.L		Y- <u></u>	
Rated Frequ		60 Hz		Rated Volta		440 V	380		220 V
Number of	Phases	3		Current F	ull Load	119.3 A	138.1	A = 2	238.5 <i>A</i>
Insulation C		■ F □ B □ H	[ocked-rotor**	770 %	770	%	770 9
*		by resistance method)		Efficiency_					
at	1.0 S.F	80 deg. C			50% Load	94.1			
Motor Loca	ntion	■ Indoor □ Outdoor	r		75% Load	95.4	%		
Altitude		Less than 1000 meter			100% Load	95.4	%		
Relative Hu	umidity	Less than 80 %		Power Facto	or(p.u)				
Ambient Te	emp.	40 deg. C (M	Лax.)		50% Load	0.784			
Duty Type		Continuous (S1)			75% Load	0.845			
Service Fac	ctor	1.15			100% Load	0.865			
Mounting		□ B3 □ B5 □ V1 ■	B3/B5	Speed at Fu	ll Load	1780	r.p.m		
	Туре	Anti-Friction		Torque					
Bearing	DE/N-DE	6316C3 / 6313C3	j	F	ull Load	41.0	kg⋅m		
	Lubricant	Grease(Gadus S2 V 100 2)		Ī	ocked-rotor**	150			
External Th	nrust	Not applicable		В	reakdown**	250	%		
Coupling M	1 ethod	■ Direct □ V-Belt		Moment of	Inertia (J)				
Shaft Exten		■ Single □ Double	;		Load(Max.)	56.350	kg·m²		
Terminal	Main	☐ Steel ☐ Cast Iro	on	I	Motor	1.723			
Box	Aux.	☐ Yes ■ No		Sound Press	sure Level (No-			from m	otor)
	Location	Refer to Outline Drawing			dB(A)				
Application				Vibration		2.2 mm/sec (r.m.s)			
Area classification		Non-Hazardous		Permissible number of			times		
Type of Ex-Protection		Not applicable		consecutive	starts		times		
Applicable Standard		KS,IEC, NEMA MG1 Part30(V	Vpeak)		Iunsell No.	4.4PB5.5/5.6			
ACCESSO						AL DRAWI			
			•	Outline Din	nension Drawi				orox.)
					В3	LM-T1251B3		500	kg
					B5	LM-T1250B5		540	kg
					V1	LM-T1250V1		540	kg
				-	B3/B5	LM-T1251B4		520	kg
			-	Main T-Box		3M-016882	LUUI		**5
			-	TVIGHT I DON	7155 J	5111 010002			
			-						
			-						
			-						
			-						
			=						
				REMARK		Dromium E	fficiency		
SDADE DA	DTC			*. For use on PWM VFD 10:		Premium E	•	mn rica	
SPARE PA	RTS							mid. rise	
SPARE PA	ARTS			*. For use on	PWM VFD 10:	:1VT, 3:1CT@	1.03.1%1 16	P	
SPARE PA	RTS			*. For use on	PWM VFD 10:	:1VT, 3:1CT@	1.03.176.1		
SPARE PA	ARTS			*. For use on	PWM VFD 10:	:1VT, 3:1CT@	1.03.F&F TE		
SPARE PA	RTS			*. For use on	PWM VFD 10:	:1VT, 3:1CT@	1.03.1%1 16		
SPARE PA	RTS							_	DD-S
SPARE PA	RTS		-	*. For use on Date	DSND	CHKD	CHKD	_	PPD
SPARE PA	RTS				DSND			A	PPD I. GO

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-HLP-75/4

Type : HLP-75/4

Full Load Torque : 41.0 Kg.m

Motor moment of Inertia (J) : 1.723 Kg.m²

Load moment of Inertia (J) : 56.350 Kg.m²

75 kW	4	Р	60 Hz		
Speed at Full Load:			1780	RPM	
Rated Voltage	440V	380V	220V		
Full Load Current	119.3A	138.1A	238.5A		







