

ELMA MOTORS



Data Sheet				No.				
Three Phase Induction Motor				Drawing No.				
Customer								
Client reference								
Type:		EM2-80G-4 0.75KW 230 400V 50HZ						
Brand		Elma		Date 20-11-2013				
Identification								
Frame:	80	mm	Insulation Class:	F				
Output:	0,75	kW	Temperature Rise:	35.5K				
Frequency:	50	Hz	Service Factor:	1,00				
Poles:	4	P	Duty:	S1				
Rated Speed:	1415	rpm	Ambient Temperature:	-20~+40°C				
Slip:	5,7	%	Altitude:	1000m				
Rated Voltage:	230 / 400	V	Protection Degree:	IP55				
Connection:	Δ / Y		Cooling:	IC411				
Rated Current:	3,34 / 1,92	A	Mounting:	IM B3				
Rotor Voltage:			Vibration:	1.6 mm/s				
Connection:			Approx. Weight:	19	kg			
Rotor Current:			Moment of Inertia:	0,00165	kg/m ²			
Locked Rotor Current:	600	%	Noise Level (Lp) :	40,5	dB(A)			
No Load Current:			Direction of Rotation:	Both				
Rated Torque:	5,1	Nm	Starting Method:	DOL Y/D VFD	soft -st			
Locked Rotor Torque:	310	%	Coupling:	DIRECT				
Breakdown Torque:	320	%	Colour	RAL 7031				
			Load Type:	Constant torque / Quadratical torque				
Performance			efficiency class IE2					
Output:	50%	75%	100%	Bearing Information				
Efficiency(%) :	78,2	81,1	81,26	DE	NDE			
Power Factor:	0,46	0,59	0,694	Bearing:	6204ZZ 6204ZZ			
				Regreasing int.(h):				
				Grease amount(g)				
				Grease-PolyrexEM	Caltex SRI-2 Caltex SRI-2			
Notes / Accessories			Cassification					
Winding : 3XPTC150°C			attest 3.1 3.2					
Heaters, 230V 50Hz			Bureau Veritas n.a. n.a.					
			Germanischer Lloyd n.a. n.a.					
			Lloyds register of shipping n.a. n.a.					
			RINA n.a. n.a.					
			DNV n.a. n.a.					
			Other n.a. n.a.					
Standards			PRELIMINARY DOCUMENT					
Specification:	IEC60034-1 / GB755							
Test:	IEC60034-2-1 / GB/T1032							
Noise:	IEC60034-9 / GB10069.3							
Vibration:	IEC60034-14 / GB10068							
Edition								
Performed	Checked	Date						
Item	Changes					Performed	Checked	Date