

# ELMA MOTORS



Data Sheet				No.		
Three Phase Induction Motor				Drawing No.		
Customer						
Client reference						
Type:	EM2-90S-6 0.75KW 230 400V 50HZ					
Brand	Elma		Date 20-11-2013			
Identification						
Frame:	90	mm	Insulation Class:	F		
Output:	0,75	kW	Temperature Rise:	38.7K		
Frequency:	50	Hz	Service Factor:	1,00		
Poles:	6	P	Duty:	S1		
Rated Speed:	935	rpm	Ambient Temperature:	-20~+40°C		
Slip:	6,5	%	Altitude:	1000m		
Rated Voltage:	230 / 400	V	Protection Degree:	IP55		
Connection:	Δ / Y		Cooling:	IC411		
Rated Current:	3,66 / 2,10	A	Mounting:	IM B3		
Rotor Voltage:			Vibration:	1.6 mm/s		
Connection:			Approx. Weight:	24	kg	
Rotor Current:			Moment of Inertia:	0,00321	kg/m <sup>2</sup>	
Locked Rotor Current:	410	%	Noise Level (Lp) :	46	dB(A)	
No Load Current:			Direction of Rotation:	Both		
Rated Torque:	7,7	Nm	Starting Method:	DOL	Y/D	VFD soft-st
Locked Rotor Torque:	240	%	Coupling:	DIRECT		
Breakdown Torque:	270	%	Colour	RAL 7031		
			Load Type:	Constant torque / Quadratical torque		
Performance				efficiency class IE2		
Output:	50%	75%	100%	Bearing Information		
Efficiency(%) :	72,6	76,0	75,97	Bearing:	DE	NDE
Power Factor:	0,44	0,57	0,678	Regreasing int.(h):	6205ZZ	6205ZZ
				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