ELMA MOTORS

Data Sheet	No.	
Three Phase Induction Motor	Drawing No.	

Customer	
Client reference	
Type:	EM2-80K-2 0.75KW 230 400V 50HZ
Brand	***Elma*** Date 20-11-2013

Identification

Frame:	80	mm	Insulation Class:	F	
Output:	0,75	kW	Temperature Rise:	36K	
Frequency:	50	Hz	Service Factor:	1,00	
Poles:	2	P	Duty:	S1	
Rated Speed:	2815	rpm	Ambient Temperature:	-20～+40°C	
Slip:	6,2	%	Altitude:	1000m	
Rated Voltage:	230 / 400	V	Protection Degree:	IP55	
Connection:	△ / Y		Cooling:	IC411	
Rated Current:	2,78 / 1,60	A	Mounting:	IM B3	
Rotor Voltage:			Vibration:	1.6 mm/s	
Connection:			Approx. Weight:	17	kg
Rotor Current:			Moment of Inertia:	0,0011	kg/m2
Locked Rotor Current:	530	%	Noise Level（Lp）:	50	dB(A)
No Load Current:			Direction of Rotation:	CW	
Rated Torque:	2,5	Nm	Starting Method:	DOL Y/D ~~VFD~~ soft -st	
Locked Rotor Torque:	240	%	Coupling:	DIRECT	
			Colour	RAL 7031	
Breakdown Torque:	250	%	**Load Type:**	Constant torque / Quadratical torque	

Performance — efficiency class IE2

Output:	50%	75%	100%
Efficiency(%) :	80,5	81,7	80,57
Power Factor:	0,67	0,78	0,84

Bearing Information

	DE	NDE
Bearing:	6204ZZ	6204ZZ
Regreasing int.(h):		
Grease amount(g)		
Grease-PolyrexEM		

Notes / Accessories

Winding：3XPTC150℃

Heaters, 230V 50Hz

Cassification

attest	3.1	3.2
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

Specification:	IEC60034-1 / GB755
Test:	IEC60034-2-1 / GB/T1032
Noise:	IEC60034-9 / GB10069.3
Vibration:	IEC60034-14 / GB10068

PRELIMINARY DOCUMENT

Edition

Performed	Checked	Date

Item	Changes	Performed	Checked	Date