

ELMA MOTORS



Data Sheet		Motor No.
Three Phase Induction Motor		Drawing No.
Customer		
Client reference		
Type:	EM-IE3-100L2-3kW 400/690V 50Hz B3	
Brand	Date	

Identification				
Frame:	100	mm	Insulation Class:	F
Output:	3	kW	Temperature Rise:	80K
Frequency:	50	Hz	Service Factor:	1,0
Poles:	2	P	Duty:	S1
Rated Speed:	2880	rpm	Ambient Temperature:	-20-40 °C
Slip:	4,0	%	Altitude:	1000m
Rated Voltage:	400 / 690	V	Protection Degree:	IP55
Connection:	Δ/Y		Cooling:	IC411
Rated Current:	5,7 / 3,3	A	Mounting:	B3
Rotor Voltage:			Vibration:	2,8mm/s
Connection:			Approx. Weight:	36 kg
Rotor Current:			Moment of Inertia:	0,0043 kg/m ²
Locked Rotor Current:	760	%	Noise Level (Lp) :	66 dB(A)
No Load Current:			Direction of Rotation:	BOTH
Rated Torque:	9,9	Nm	Starting Method:	DIRECT ON LINE
Locked Rotor Torque:	220	%	Coupling:	DIRECT
Breakdown Touque:	250	%	Load Type:	PARABOLIC CURVE

Performance				Bearing Information		
Output:	50%	75%	100%		DE	NDE
Efficiency(%):	84,9	87,6	87,5	Bearing:	6206 2RZ C3	6206 2RZ C3
Power Factor:	0,74	0,83	0,87	Regreasing int.(h):		
				Grease amount(g)		
				Grease-PolyrexEM		

Notes / Accessories	Deviation Sheet	
Winding: 3XPTC150°C	Attest	n.a. n.a.
	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/GB/T1032				
Noise:	IEC60034-9/GB10069.3				
Vibration:	IEC60034-14/GB10068				
Edition					
Performed	Checked	Date			

Item	Changes	Performed	Checked	Date