

# ELMA MOTORS



Data Sheet				No.		
Three Phase Induction Motor				Drawing No.		
Customer						
Client reference						
Type:		EM3-355LX-4 315KW 400 690V 50HZ				
Brand		Elma			Date 20-11-2013	
Identification						
Frame:	355	mm	Insulation Class:	F		
Output:	315	kW	Temperature Rise:	66.8K		
Frequency:	50	Hz	Service Factor:	1,00		
Poles:	4	P	Duty:	S1		
Rated Speed:	1490	rpm	Ambient Temperature:	-20~+40°C		
Slip:	0,7	%	Altitude:	1000m		
Rated Voltage:	400	V	Protection Degree:	IP55		
Connection:	Δ		Cooling:	IC411		
Rated Current:	534,4	A	Mounting:	IM B3		
Rotor Voltage:			Vibration:	2.8 mm/s		
Connection:			Approx. Weight:	1916	kg	
Rotor Current:			Moment of Inertia:	10,286	kg/m2	
Locked Rotor Current:	715	%	Noise Level (Lp) :	84,5	dB(A)	
No Load Current:			Direction of Rotation:	Both		
Rated Torque:	2019,0	Nm	Starting Method:	DOL	Y/D	VFD soft -st
Locked Rotor Torque:	225	%	Coupling:	DIRECT		
Breakdown Torque:	300	%	Colour	RAL 7031		
			Load Type:	Constant torque / Quadratical torque		
Performance			efficiency class		IE3	
Output:	50%	75%	100%			
Efficiency(%) :	96,1	96,5	96,46			
Power Factor:	0,80	0,86	0,882			
Bearing Information						
				DE	NDE	
				6322C3	6320C3	
				3500	3500	
				60	51	
				Caltex SRI-2	Caltex SRI-2	
Notes / Accessories				Cassification		
Winding : 3XPTC150°C				attest		
Heaters, 230V 50Hz				3.1	3.2	
				Bureau Veritas	n.a.	
				Germanischer Lloyd	n.a.	
				Lloyds register of shipping	n.a.	
				RINA	n.a.	
				DNV	n.a.	
				Other	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