

## Data Sheet

<b>Electramo NV</b> Industrieweg 14 B-2390 Malle Belgium +32 3 311 65 40 info@electramo.com www.electramo.com BE 0414.941.452	<b>Electric motor Type</b>	<b>EMS112M-6 - 2,2kW - 945 rpm - 400V/690V</b>				
	<b>Efficiencies</b>	IEC60034-30		IE2 (High Efficiency)		
<b>Insulation class</b>	F / B					
<b>Temperatures</b>	-20°C / +40°C					
<b>Connection - Phases</b>		Δ	Y	Δ	Δ	Δ
<b>Tension</b>	<b>V</b>	400	690	440	460	480
<b>Frequency</b>	<b>Hz</b>	50	50	60	60	60
<b>Output</b>	<b>kW</b>	2,20	2,20	2,64	2,64	2,64
<b>Speed</b>	<b>min<sup>-1</sup></b>	945	945	1130	1130	1130
<b>Current</b>	<b>A</b>	5,23	3,02	5,70	5,40	5,23
<b>Efficiency</b>	<b>%</b>	<b>100%</b>	<b>75%</b>	<b>50%</b>		
		81,80	82,40	80,70		
<b>Cos φ</b>		<b>100%</b>	<b>75%</b>	<b>50%</b>		
		0,75	0,66	0,52		
<b>Starting Current</b>	<b>A</b>	5,76	Ia/In			
<b>No Load Current</b>	<b>A</b>	3,27	400V 50Hz			
<b>Nominal Torque</b>	<b>Nm</b>	22,14	Nm			
<b>Starting Torque</b>	<b>Nm</b>	2,14	Ms/Mn			
<b>Maximum Torque</b>	<b>Nm</b>	2,68	Mmax/Mn			
<b>Construction</b>	Aluminum					
<b>Mounting position</b>	B3 - IM1001 - feet - horizontal					
<b>Protection</b>	IP 55					
<b>Cooling method</b>	IC 411					
<b>Duty type</b>	S1					
<b>Tropical treatment</b>	95%					
<b>Max. altitude A.S.L.</b>	1000 m					
<b>Paint (body / fan cover)</b>	RAL 5014 - RAL 9005					
<b>Terminal Box Position</b>	Top - A1					
<b>Cable entries</b>	2 x M25x1,5					
<b>Direction of rotation</b>	← / →					
<b>Drain hole(s)</b>	Lowest point - with plug					
<b>Bearing DE</b>	6306 2RS C3					
<b>Bearing NDE</b>	6306 2RS C3					
<b>Shaft dimensions</b>	<b>mm</b>	28 x 60				
<b>Oilseals DE / NDE</b>	<b>mm</b>	30 x 44 x 7		30 x 44 x 7		
<b>Balancing (Class)</b>	Half Key			A (IEC 60034-14)		
<b>Sound level - L(p)A</b>	<b>dB(A)</b>	64,0	50Hz - at 1m - no load			
<b>Weight</b>	<b>Kg</b>	27,2				

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