

## Data Sheet

<b>Electramo NV</b>		<b>HMS112M-4 - 4kW - 1455rpm - 400V/690V - 50Hz</b>				
Ampèrestraat 19M 3861 NC Nijkerk Nederland +31 33 245 94 44 info.nederland@electramo.com www.electramo.com		<b>Electric motor Type</b>		<b>IEC60034</b>		
<b>Standard - Type</b>		Standard - Type		<b>IE3</b>		
<b>Insulation class</b>		Insulation class		F/B		
<b>Temperatures</b>		Temperatures		-20°C / 40°C		
<b>Connection - Phases</b>		Connection - Phases		Δ	Y	Δ
<b>Tension</b>		<b>V</b>	400	690	440	460
<b>Frequency</b>		<b>Hz</b>	50	50	60	60
<b>Output</b>		<b>kW</b>	4,00	4,00	4,80	4,80
<b>Speed</b>		<b>min<sup>-1</sup></b>	1,455	1455	1746	1746
<b>Current</b>		<b>A</b>	7,76	4,48	8,46	8,09
<b>Efficiency</b>		<b>%</b>	<b>100%</b>	<b>75%</b>	<b>50%</b>	
			88,60	88,70	87,20	
<b>Cos φ</b>			<b>100%</b>	<b>75%</b>	<b>50%</b>	
			0,84	0,75	0,62	
<b>Starting Current</b>		<b>Ia/In</b>	9,19			
<b>No Load Current</b>		<b>A</b>	4,18	400V 50Hz		
<b>Nominal Torque</b>		<b>Nm</b>	26,35			
<b>Starting Torque</b>		<b>Ms/Mn</b>	4,47			
<b>Maximum Torque</b>		<b>Mmax/Mn</b>	3,48			
<b>Construction</b>			Aluminum			
<b>Mounting position</b>			B3-feet-horizontal			
<b>Protection</b>			IP 55			
<b>Cooling method</b>			IC411			
<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>			RAL7030 - RAL9005			
<b>Terminal Box Position</b>			Top-A1			
<b>Cable entries</b>			2 x M25x1,5 + 1 x M16x1,5			
<b>Direction of rotation</b>			← / →			
<b>Drain hole</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>Moment of inertia</b>		<b>J</b>	0,0133	kgm <sup>2</sup>		
<b>Sound level - L(p)A</b>		<b>dB(A)</b>	65,0	50Hz - at 1m - no load		
<b>Weight</b>		<b>Kg</b>	38,0			
<b>Options &amp; Extras</b>			PTC			
<b>HS Code</b>			85015220 89			