

## Data Sheet

<b>Electramo NV</b>		<b>YE3-180M-4 - 18,5kW - 1470 rpm - 400V/690V</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>		IEC60034-30		
<b>Efficiencies</b>		F / B			IE3 (Premium Efficiency)	
<b>Insulation class</b>		-20°C / +40°C				
<b>Temperatures</b>						
<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>	18,50	18,50	22,20	22,20	22,20
<b>Speed</b>	<b>min<sup>-1</sup></b>	1.470	1470	1764	1764	1764
<b>Current</b>	<b>A</b>	33,53	19,43	36,57	34,98	33,53
<b>Efficiency</b>	<b>%</b>	<b>100%</b>	<b>75%</b>	<b>50%</b>		
		92,60	92,70	91,80		
<b>Cos φ</b>		<b>100%</b>	<b>75%</b>	<b>50%</b>		
		0,86	0,83	0,71		
<b>Starting Current</b>	<b>A</b>	7,80	la/In			
<b>No Load Current</b>	<b>A</b>	15,03	400V 50Hz			
<b>Nominal Torque</b>	<b>Nm</b>	120,18	Nm			
<b>Starting Torque</b>	<b>Nm</b>	2,00	Ms/Mn			
<b>Maximum Torque</b>	<b>Nm</b>	2,30	Mmax/Mn			
<b>Construction</b>		Cast Iron				
<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 7030				
<b>Terminal Box Position</b>		Top - A1				
<b>Cable entries</b>		2 x M40x1,5 + 1 x M16x1,5				
<b>Direction of rotation</b>		← / →				
<b>Drain hole(s)</b>		Lowest point - with plug				
<b>Bearing DE</b>		6311 ZZ C3				
<b>Bearing NDE</b>		6311 ZZ C3				
<b>Shaft dimensions</b>	<b>mm</b>	48 x 110				
<b>Oilseals DE / NDE</b>	<b>mm</b>	55 x 75 x 5,5		55 x 75 x 5,5		
<b>Balancing (Class)</b>		Half Key		A (IEC 60034-14)		
<b>Sound level - L(p)A</b>	<b>dB(A)</b>	68,0	50Hz - at 1m - no load			
<b>Weight</b>	<b>Kg</b>	220,8				
<b>Options &amp; Extras</b>		PTC				

Every care has been taken to ensure the accuracy of the information contained in this document. Due to our policy of continuous development and improvement, Electramo reserves the right to supply products which may differ from those illustrated and described in this document. Descriptions and technical features listed in this document may not be considered as binding. Under no circumstances should data in this document be considered as a contractual obligation.