

## Data Sheet

<b>Electramo NV</b>		<b>Electric motor Type</b>				
Ampèrestraat 19M 3861 NC Nijkerk Nederland +31 33 245 94 44 info.nederland@ electramo.com www.electramo.com		<b>YE3-180M-4 - 18,5kW - 1475rpm - 230V/400V - 50Hz</b>				
<b>Standard - Type</b>		IEC60034		IE3		
<b>Insulation class</b>		F/B				
<b>Temperatures</b>		-20°C / 40°C				
<b>Connection - Phases</b>		$\Delta$	Y	Y	Y	Y
<b>Tension</b>	<b>V</b>	230	400	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>	1.475	1475	1770	1770	1.770
<b>Current</b>	<b>A</b>	58,30	33,70	36,58	34,99	33,53
<b>Efficiency</b>	<b>%</b>	<b>100%</b>	<b>75%</b>	<b>50%</b>		
		92,60	92,60	89,90		
<b>Cos <math>\phi</math></b>		<b>100%</b>	<b>75%</b>	<b>50%</b>		
		0,86	0,84	0,76		
<b>Starting Current</b>	<b>Ia/In</b>	6,70				
<b>No Load Current</b>	<b>A</b>	14,40	400V 50Hz			
<b>Nominal Torque</b>	<b>Nm</b>	119,78				
<b>Starting Torque</b>	<b>Ms/Mn</b>	2,20				
<b>Maximum Torque</b>	<b>Mmax/Mn</b>	2,70				
<b>Construction</b>		Cast Iron				
<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				
<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</b>		Lowest point-with plug				
<b>Bearing DE</b>		6311 2RS C3				
<b>Bearing NDE</b>		6311 2RS C3				
<b>Shaft dimensions</b>	<b>mm</b>	48 x 110				
<b>Oilseals DE / NDE</b>	<b>mm</b>	55 x 80 x 8		55 x 80 x 8		
<b>Balancing (Class)</b>		Half Key		A (IEC 60034-14)		
<b>Moment of inertia</b>	<b>J</b>	0,1825		kgm <sup>2</sup>		
<b>Sound level - L(p)A</b>	<b>dB(A)</b>	76,0		50Hz - at 1m - no load		
<b>Weight</b>	<b>Kg</b>	190,0				
<b>Options &amp; Extras</b>		PTC				
<b>HS Code</b>		85015230 90				