

## Data Sheet

<b>Electramo NV</b>		<b>YE3-280M-4 - 90kW - 1485 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>	90,00	90,00	108,00	108,00	108,00
<b>Speed</b>	<b>min<sup>-1</sup></b>	1.485	1485	1782	1782	1782
<b>Current</b>	<b>A</b>	155,06	89,50	169,16	161,80	155,06
<b>Efficiency</b>	<b>%</b>	<b>100%</b>	<b>75%</b>	<b>50%</b>		
		95,20	94,90	93,70		
<b>Cos φ</b>		<b>100%</b>	<b>75%</b>	<b>50%</b>		
		0,88	0,83	0,74		
<b>Starting Current</b>	<b>A</b>	6,90	Ia/In			
<b>No Load Current</b>	<b>A</b>	59,62	400V 50Hz			
<b>Nominal Torque</b>	<b>Nm</b>	578,78	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 M63x1,5 + 1 x M16x1,5				
<b>Direction of rotation</b>		← / →				
<b>Drain hole(s)</b>		Lowest point - with plug				
<b>Bearing DE</b>		6317 C3				
<b>Bearing NDE</b>		6317 C3				
<b>Shaft dimensions</b>	<b>mm</b>	75 x 140				
<b>Oilseals DE / NDE</b>	<b>mm</b>	85 x 105 x 5,5		85 x 105 x 5,5		
<b>Balancing (Class)</b>		Half Key		A (IEC 60034-14)		
<b>Sound level - L(p)A</b>	<b>dB(A)</b>	72,0	50Hz - at 1m - no load			
<b>Weight</b>	<b>Kg</b>	800,9				
<b>Options &amp; Extras</b>		PTC				