

## Data Sheet

<b>Electramo NV</b>		<b>HMS90S-4 - 1,1kW - 1420 rpm - 230V/400V</b>				
Industrieweg 14		IEC60034-30		IE3 (Premium Efficiency)		
B-2390 Malle		F / B				
Belgium		-20°C / +40°C				
+32 3 311 65 40		$\Delta$	Y	Y	Y	Y
info@electramo.com						
www.electramo.com						
BE 0414.941.452						
<b>Electric motor Type</b>						
<b>Efficiencies</b>						
<b>Insulation class</b>						
<b>Temperatures</b>						
<b>Connection - Phases</b>						
<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>	1,10	1,10	1,32	1,32	1,32
<b>Speed</b>	<b>min<sup>-1</sup></b>	1.420	1420	1700	1700	1700
<b>Current</b>	<b>A</b>	4,16	2,40	2,57	2,49	2,36
<b>Efficiency</b>	<b>%</b>	<b>100%</b>	<b>75%</b>	<b>50%</b>		
		84,10	84,30	83,80		
<b>Cos <math>\phi</math></b>		<b>100%</b>	<b>75%</b>	<b>50%</b>		
		0,79	0,66	0,53		
<b>Starting Current</b>	<b>A</b>	7,21	Ia/In			
<b>No Load Current</b>	<b>A</b>	1,59	400V 50Hz			
<b>Nominal Torque</b>	<b>Nm</b>	7,35	Nm			
<b>Starting Torque</b>	<b>Nm</b>	3,26	Ms/Mn			
<b>Maximum Torque</b>	<b>Nm</b>	3,07	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 7030 - RAL 9005				
<b>Terminal Box Position</b>		Top - A1				
<b>Cable entries</b>		2 x M20x1,5 + 1 x M16x1,5				
<b>Direction of rotation</b>		← / →				
<b>Drain hole(s)</b>		Lowest point - with plug				
<b>Bearing DE</b>		6205 2RS C3				
<b>Bearing NDE</b>		6205 2RS C3				
<b>Shaft dimensions</b>	<b>mm</b>	24 x 50				
<b>Oilseals DE / NDE</b>	<b>mm</b>	25 x 37 x 7		25 x 37 x 7		
<b>Balancing (Class)</b>		Half Key		A (IEC 60034-14)		
<b>Sound level - L(p)A</b>	<b>dB(A)</b>	61,0	50Hz - at 1m - no load			
<b>Weight</b>	<b>Kg</b>	16,2				
<b>Options &amp; Extras</b>		PTC				