



Type Test Report				Date of issue: 4.11.2015							
Customer ref.:				Serial No.:							
Rating:				Motor Type: M3AA 132 SC 2							
				Product Code: 3GAA131130-ADE							
3-Motor Insul.cl.F IP55 Eff class IE2				V	Hz	kW	r/min	A	η [%]	Duty	
				690	Y 50	7,50	2915	7,92	0,88	S1	
				400	D 50	7,50	2915	13,60	0,88	S1	
				460	D 60	7,50	3525	12,00	0,89	S1	
				50Hz : IE2 - 88,5%(100%) - 89,1%(75%) - 88,5%(50%) 60Hz : IE2 - 89,5%(100%)							
Resistance				Insulation resistance at				Overload			
Line				R > 2000Mohm				Volts 130 % 60s			
U ₁ - V ₁				1,0kV				Amp 160 % 120s			
U ₁ - W ₁								rpm 120 % 120s			
V ₁ - W ₁				High-voltage test winding 2400V 60s							
Ambient: 18,6 °C											
0,9080 Ω											
0,9080 Ω											
0,9110 Ω											
Test	Torque [Nm]	Line U[V]	f[Hz]	Input I[A]	P1[kW]	Output P2[kW]	n[r/min]	cos ρ	η[%]		
No load test		401 D	50,3	3,4	0,23		3000	0,10			
Locked rotor test		71 D	50,0	14,1	0,61			0,35			
Thermal test (100% load)	24,6	400 D	50,1	13,2	8,32	7,50	2908	0,91	90,17		
Partial load points:											
~75% load	18,3	400 D	50,1	10,1	6,18	5,63	2933	0,89	91,05		
~50%load	12,1	400 D	50,1	7,2	4,12	3,75	2958	0,83	90,98		
~25%load											
Temperature rise at rated load.		[°C]		[K]		Method		Measurement method			
Stator winding ⁺ :		41,5		1				1 Resistance			
Frame :		43,9		2				2 Thermometer			
Bearing D-end :		44,9		2				3 Thermocouples			
Ambient Temperature :		19,4		2							
<p>These tests have been carried out on motor no. 3GE13727131830, on date 2014-02-03 which is identical in electrical design with the above.</p> <p>Manufactured in accordance with rules of IEC 60034-1 and IEC 60034-2-1. PLL determined from residual loss.</p> <p>On behalf of customer</p> <p>On behalf of manufacturer Date of test</p> <p>Tested by ABB AB, LV Motors, 721 70 Västerås, Sweden</p> <p>Telephone +46 (0)21 32 90 00 Telefax +46 (0)21 32 90 22</p>											

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