



Type Test Report				Date of issue: 4.11.2015						
Customer ref.:				Serial No.:						
				Motor Type: M3AA 132 MC 6						
				Product Code: 3GAA133330-ADE						
Rating: 3-Motor Insul.cl.F IP55 Eff class IE2		V	Hz	kW	r/min	A	η [%]	Duty		
		690	Y	50	5,50	965	7,70	0,67	S1	
		400	D	50	5,50	965	13,30	0,67	S1	
		460	D	60	5,50	1165	11,80	0,67	S1	
50Hz : IE2 - 86,1%(100%) - 85,6%(75%) - 83,0%(50%) 60Hz : IE1 - 87,6%(100%)										
Resistance Line $U_1 - V_1$ $U_1 - W_1$ $V_1 - W_1$	Ambient: 23,9 °C 1,0380 Ω 1,0390 Ω 1,0400 Ω			Insulation resistance at R > 2000Mohm 1,0kV				Overload Volts 130 % 60s Amp 160 % 120s rpm 120 % 120s		
				High-voltage test winding 2400V 60s						
Test	Torque [Nm]	Line U[V]	f[Hz]	Input		Output				
				I[A]	P1[kW]	P2[kW]	n[r/min]	cos ρ	η[%]	
No load test		401 D	50	8,7	0,43		1000	0,07		
Locked rotor test		88 D	50	14,0	0,74			0,39		
Thermal test (100% load)	53,9	400 D	50	13,3	6,38	5,50	975	0,69	86,17	
Partial load points:										
~75% load	40,1	400 D	50	11,4	4,80	4,13	982	0,61	85,95	
~50% load	26,6	400 D	50	10,0	3,28	2,75	999	0,48	83,82	
~25% load										
Temperature rise at rated load.				°C	[K]	Method	Measurement method 1 Resistance 2 Thermometer 3 Thermocouples			
				Stator winding ⁺ :	53,8	1				
				Frame :	49,9	2				
				Bearing D-end :	58,5	2				
				Ambient Temperature :	22,8					
				Rotor Temperature :	92,8	2				
These tests have been carried out on motor no. 3GV1311145401004, on date 2013-05-13 which is identical in electrical design with the above.										
Manufactured in accordance with rules of IEC 60034-1 and IEC 60034-2-1. PLL determined from residual loss.										
On behalf of customer										
On behalf of manufacturer Date of test										
Tested by ABB AB, LV Motors, 721 70 Västerås, Sweden						Telephone	+46 (0)21 32 90 00			
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