



Type Test Report				Date of issue: 4.11.2015						
Customer ref.:				Serial No.:						
Rating:				Motor Type: M3AA 132 M 4						
				Product Code: 3GAA132300-ADE						
3~Motor				V	Hz	kW	r/min	A	η [%]	Duty
Insul.cl.F				690	Y 50	5,50	1465	6,30	0,79	S1
IP55				400	D 50	5,50	1465	10,90	0,79	S1
Eff class IE2				460	D 60	5,50	1769	9,50	0,79	S1
				50Hz : IE2 - 89,0%(100%) - 89,5%(75%) - 88,6%(50%)						
				60Hz : IE2 - 90,1%(100%)						
Resistance				Isulation resistans at 26 °C				Overload		
Line Ambient: 20,0 °C				R>2000Mohm 1000V				Current 150 % 120s		
U ₁ - V ₁ 1,4367 Ω								Torque 160 % 15s		
U ₁ - W ₁ 1,4387 Ω								Speed 120 % 120s		
V ₁ - W ₁ 1,4397 Ω				High-voltage test winding 2400V 60s						
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		400 Y	50	4,8	0,24		1465	0,07		
Locked rotor test		88 Y	50	11,2	0,66		0	0,39		
Thermal test (100% load)	35,3	400 Y	50	11,0	6,14	5,42	1463	0,81	88,20	
Partial load points:										
~75% load	27,1	400 Y	50	9,0	4,72	4,18	1472	0,76	88,70	
~50% load	17,9	400 Y	50	6,9	3,15	2,78	1482	0,66	88,10	
~25% load	9,1	400 Y	50	5,4	1,71	1,42	1491	0,45	83,20	
Temperature rise at rated load.				[°C]	[K]	Method	Measurement method			
Stator winding ⁺ :				55,3	3		1 Resistance			
Frame :				19,7	3		2 Thermometer			
Bearing D-end :				28,5	3		3 Thermocouples			
Ambient Temperature :				25	3					
These tests have been carried out on motor no. 3GV1211082140001, on date 2013-01-11 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		Telefax +46 (0)21 32 90 22				

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