



Type Test Report				Date of issue: 1.9.2015					
Customer:				Serial No.:					
Customer ref.:				Type: M3AA 200MLB 6 Product Code: 3GAA203420-ADG					
Rating:									
	V	Hz	kW	r/min	A	cos φ	Duty		
3-Motor	690	Y 50	22,0	987	24,4	0,82	S1		
Insul.cl.F	400	D 50	22,0	987	42,0	0,82	S1		
IP55	415	D 50	22,0	988	41,4	0,80	S1		
	440	D 60	22,0	1182	45,9	0,84	S1		
	460	D 60	22,0	1189	36,7	0,81	S1		
Eff class IE2	50Hz : IE2 - 92,0(100%) - 92,9(75%) - 92,7(50%) 60Hz : IE2 - 92,8(100%) - 93,1(75%) - 92,3(50%)								
Resistance				Insulation resistance at 21 °C		Overload			
Line Ambient: 21,3 °C				R > 2000 Mohm 1000 V		Current 150 % 120s Torque 160 % 15s Speed 120 % 120s			
U ₁ - V ₁ 0,28450 Ω									
U ₁ - W ₁ 0,28460 Ω									
V ₁ - W ₁ 0,28440 Ω				High-voltage test winding 2400 V 60 s					
Test	Torque [Nm]	Line U[V]	f[Hz]	Input I[A]	P1 [kW]	Output P2 [kW]	n[r/min]	cos φ	η [%]
No load test		400,9 D	50	16,6	0,58		1000	0,05	
Locked rotor test		89,9 D	50	44,2	2,48		0	0,36	
Thermal test (100% load)	212,9	400 D	50	42,3	23,99	22,00	987	0,82	91,71
Partial load points:									
~75% load	151,0	400 D	50	32,0	16,96	15,68	991	0,76	92,47
~50% load	103,5	400 D	50	25,0	11,69	10,78	995	0,67	92,23
~25% load	56,2	400 D	50	19,6	6,56	5,87	998	0,48	89,55
Temperature rise at rated load.				°C	[K]	Method		Measurement method	
Stator winding :				63,6	1			1 Resistance	
Frame :				35,5	2			2 Thermometer	
Bearing D-end :				37,4	2			3 Thermocouples	
Ambient Temperature :				21	2				
<p>These tests have been carried out on motor no. 08 538265 10005, on date 2008-11-26 which is identical in electrical design with the above.</p> <p>Manufactured and tested in accordance with rules of IEC 60034-1 and IEC 60034-2-1. PLL determined from residual loss.</p>									
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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