



Type Test Report					Date of issue: 24.8.2015						
Customer:					Serial No.:						
					Type: M3BP 200MLA 6					Product Code: 3GBP203410-ADG	
Customer ref.:											
Rating:					V	Hz	kW	r/min	A	cos φ	Duty
3~Motor					690	Y 50	18,5	988	21,1	0,80	S1
Insul.cl.F					400	D 50	18,5	988	36,4	0,80	S1
IP55					415	D 50	18,5	989	35,9	0,78	S1
					440	D 60	18,5	1188	32,5	0,81	S1
Eff class IE2					460	D 60	18,5	1190	31,8	0,79	S1
					50Hz : IE2 - 91,6%(100%) - 92,2%(75%) - 91,7%(50%)						
					60Hz : IE2 - 92,1%(100%)						
Resistance					Insulation resistance at 22 °C					Overload	
Line					R > 2000 Mohm 1000 V					Current 150 % 120s	
U ₁ - V ₁					Ambient: 21,1 °C					Torque 160 % 15s	
U ₁ - W ₁					0,33270 Ω					Speed 120 % 120s	
V ₁ - W ₁					0,33320 Ω						
					0,33280 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		401 D	50	15,1	0,58		1000	0,06			
Locked rotor test		177,9 D	50	89,4	11,84			0,43			
Thermal test (100% load)	178,9	400 D	50	36,2	20,25	18,50	988	0,81	91,37		
Partial load points:											
~75% load	137,4	400 D	50	29,4	15,53	14,26	991	0,76	91,86		
~50% load	92,9	400 D	50	22,9	10,57	9,68	995	0,67	91,52		
~25% load	48,6	400 D	50	18,0	5,76	5,08	998	0,46	88,19		
Temperature rise at rated load.				°C	K	Method		Measurement method			
Stator winding :				63,6	1			1 Resistance			
Frame :				43,7	2			2 Thermometer			
Bearing D-end :				36,4	2			3 Thermocouples			
Ambient Temperature :				22	2						
<p>These tests have been carried out on motor no. 3GV0910408109004, on date 2009-12-09 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> <p>On behalf of customer</p>											
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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