



Test Report				Date of issue: 28.5.2015						
Customer:				Serial No.:						
Customer ref.:				Order No.:						
				Type: M3BP 200MLA 4						
				Product Code: 3GBP202410-ADK						
Rating:										
		V	Hz	kW	r/min	A	cos φ	Duty		
3-Motor		690	Y 50	30,0	1484	31,7	0,84	S1		
Insul.cl.F		400	D 50	30,0	1484	54,6	0,84	S1		
IP55		660	Y 50	30,0	1481	32,8	0,85	S1		
		380	D 50	30,0	1481	56,9	0,85	S1		
		415	D 50	30,0	1485	53,8	0,82	S1		
Eff class IE3		460	D 60	30,0	1786	47,9	0,83	S1		
		50Hz : IE3-94,4(100%)-94,8(75%)-94,6(50%)								
		60Hz : IE3-94,7(100%)								
Resistance				Insulation resistance at 24 °C				Overload		
Line		Ambient: 23,7 °C		R > 2000 Mohm		1000 V		Current 150 % 120s		
U ₁ - V ₁		0,1239 Ω						Torque 160 % 15s		
U ₁ - W ₁		0,1239 Ω						Speed 120 % 120s		
V ₁ - W ₁		0,1239 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	22,3	0,53		1500	0,03		
Locked rotor test		70,1 D	50	49,9	1,94		0	0,32		
Thermal test (100% load)	193,2	400 D	50	55,7	31,68	30,00	1483	0,82	94,70	
Partial load points:										
~75% load	147,7	400 D	50	45,0	24,22	23,02	1488	0,78	95,07	
~50% load	99,5	400 D	50	34,8	16,37	15,54	1492	0,68	94,95	
~25% load	52,1	400 D	50	26,5	8,77	8,16	1496	0,48	93,07	
Temperature rise at rated load.				°C	[K]	Method		Measurement method		
Stator winding :				52,4	52,4	1		1 Resistance		
Frame :				33,9	33,9	2		2 Thermometer		
Bearing D-end :				33,0	33,0	2		3 Thermocouples		
Ambient Temperature :				24	24	2				
<p>These tests have been carried out on motor no. 3GV1110782967001, on date 2011-09-22 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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