



Test Report				Date of issue: 28.8.2013					
Customer: ABB OY				Serial No.: 3GF11094418					
Order No.: 599608-6				Type: M3GP 200MLE 2 IMB3/IM1001					
Product Code: 3GGP201450-ADD				Protection type: Ex nA II C T3 Gc					
Cert. No.: LCIE 13 ATEX 1034 X				IECEX LCIE 13.0047X					
Rating:									
	V	Hz	kW	r/min	A	cos φ	Duty		
3-Motor	690	Y 50	45	2944	45,9	0,88	S1		
Insul.cl.F	400	D 50	45	2944	79,1	0,88	S1		
IP55	415	D 50	45	2949	76,1	0,88	S1		
Eff class IE1 50Hz : IE1 - 92.3(100%) - 92.5(75%) - 91.8(50%)									
Resistance Line				Insulation resistance at 47,0 °C					
Ambient: 20,5 °C				12000 MΩ 1000 V					
U <sub>1</sub> - V <sub>1</sub> 0,07970 Ω									
U <sub>1</sub> - W <sub>1</sub> 0,07982 Ω									
V <sub>1</sub> - W <sub>1</sub> 0,07974 Ω									
				High-voltage test winding 2900 V 1 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		400,0 D	50	20,7	1,24		2998	0,09	
Locked rotor test		76,0 D	50	79,1	3,87		0	0,37	
Thermal test (100% load)	146,0	400,1 D	50	79,4	48,6	45,0	2945	0,88	92,7
Partial load points:									
~75% load	109,5	400,0 D	50	60,7	36,3	33,8	2958	0,86	93,0
~50% load	72,8	400,0 D	50	43,5	24,3	22,5	2972	0,81	92,5
~25% load	36,4	400,0 D	50	28,8	12,7	11,3	2983	0,63	88,9
Temperature rise at rated load.				°C	[K]	Method	Measurement method		
Stator winding :				70,7	1	1 Resistance			
Frame :				25,8	2	2 Thermometer			
Bearing D-end :				47,2	2	3 Thermocouples			
Ambient Temperature :				25,0	2				
Manufactured and tested 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 17.12.2011					
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211 Telefax +358 10 22 47372			

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