



Test Report				Date of issue: 28.8.2013					
Customer: ABB OY				Serial No.: 3GF11094420					
Order No.: 599608-12				Type: M3GP 225SMD 4 IMB3/IM1001					
Product Code: 3GGP222240-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	55	1483	58,8	0,83	S1	
Insul.cl.F		400	D 50	55	1483	101	0,83	S1	
IP55		415	D 50	55	1484	98,9	0,82	S1	
Eff class IE2		50Hz : IE2 - 94,3(100%) - 94,5(75%) - 93.9(50%)							
Resistance			Insulation resistance at 52,5 °C		Overload				
Line			Ambient: 21,0 °C		1000 MΩ 1000 V		Torque 160 % 15s		
U ₁ - V ₁			0,05349 Ω						
U ₁ - W ₁			0,05359 Ω						
V ₁ - W ₁			0,05364 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	40,4	1,39		1498	0,05	
Locked rotor test		72,9 D	50	101,0	4,80		0	0,38	
Thermal test (100% load)	354,2	400,1 D	50	102,4	58,7	55,0	1481	0,83	93,7
Partial load points:									
~75% load	264,6	400,1 D	50	80,7	43,9	41,3	1485	0,79	93,9
~50% load	177,4	400,0 D	50	61,6	29,5	27,5	1491	0,69	93,3
~25% load	88,5	400,0 D	50	46,8	15,3	13,8	1494	0,47	89,8
Temperature rise at rated load.			[°C]	[K]	Method	Measurement method			
Stator winding :				70,5	1	1 Resistance			
Frame :				35,7	2	2 Thermometer			
Bearing D-end :				55,3	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		18.12.2011					
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211 Telefax +358 10 22 47372			

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