



Test Report				Date of issue: 17.3.2015						
				Serial No.:						
				Type: M3JP 225SMA 4 IMB3 Product code: 3GJP222210-ADL Protection type: Ex d IIB T4 Gb Cert. No.: LCIE 10 ATEX 3057X/ IECEX LCI 04.0005X						
Rating:				V	Hz	kW	r/min	A	cos φ	Duty
3~Motor				690	Y 50	37	1482	39,8	0,83	S1
Insul.cl.F				400	D 50	37	1482	68,9	0,83	S1
IP55				415	D 50	37	1483	67,7	0,81	S1
				440	D 60	37	1781	61,6	0,84	S1
				460	D 60	37	1783	59,3	0,83	S1
				50Hz: IE3-93.9%(100%)-94.1%(75%)-93.8%(50%)						
				60Hz: IE3-94,5%(100%)						
Resistance				Insulation resistance at 40 °C				Overload		
Line Ambient: 22 °C				2300 MΩ 1000 V				Torque 160% 15s		
U ₁ - V ₁				0,09531 Ω						
U ₁ - W ₁				0,09537 Ω						
V ₁ - W ₁				0,09549 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		400,1 D	50	26,6	0,84		1498	0,05		
Locked rotor test		74,3 D	50	67,7	3,24		0	0,37		
Thermal test (100% load)	238,6	400,0 D	50	68,9	39,5	37,0	1482	0,83	93,7	
Partial load points:										
~75% load	178,9	400,0 D	50	54,2	29,5	27,8	1485	0,79	93,9	
~50% load	119,2	400,0 D	50	41,2	19,8	18,5	1490	0,69	93,6	
~25% load	59,5	400,0 D	50	31,1	10,2	9,25	1496	0,47	90,8	
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method		
Stator winding :				75	75	1		1 Resistance		
Frame :				48	48	2		2 Thermocouples		
Bearing D-end :				54	54	2		3 Thermometer		
Ambient Temperature :				25	25	2				
<p>These tests have been carried out on motor no. 3G1P141700187, on date 2014-10-03 which is identical in 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> <p>On behalf of manufacturer Date of test</p> <p>Tested by ABB Oy, Motors and Generators, Vaasa, Finland</p>										
							Telephone +358 10 2211			
							Telefax +358 10 22 47372			

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