



Test Report				Date of issue: 4.6.2014							
				Serial No.: 3GF11094409							
				Type: M3JP 225SMC 6 IMB3/IM1001							
				Product Code: 3GJP223230-ADG							
				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	983	40,5	0,83	S1	
Insul.cl.F				400	D 50	37	983	69,8	0,83	S1	
IP55				415	D 50	37	984	68	0,82	S1	
Eff class IE1				50Hz : IE1 - 92.1(100%) - 92.5(75%) - 92.1(50%)							
Resistance				Ambient: 20,0 °C				Insulation resistance at 44,0 °C		Overload	
Line				3000 MΩ				1000 V		Torque 160 % 15s	
U ₁ - V ₁				0,13769 Ω							
U ₁ - W ₁				0,13790 Ω							
V ₁ - W ₁				0,13775 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	25,3	0,99		998	0,06			
Locked rotor test		87,0 D	50	69,7	4,14		0	0,39			
Thermal test (100% load)	359,5	400,2 D	50	69,6	40,3	37,0	985	0,84	91,8		
Partial load points:											
~75% load	270,1	400,1 D	50	54,0	30,1	27,8	989	0,80	92,2		
~50% load	179,8	400,1 D	50	40,2	20,1	18,5	994	0,72	92,2		
~25% load	89,7	400,1 D	50	29,4	10,4	9,3	998	0,51	89,0		
Temperature rise at rated load.				°C	[K]	Method		Measurement method			
Stator winding :				72,7	72,7	1		1 Resistance			
Frame :				32,7	32,7	2		2 Thermometer			
Bearing D-end :				50,1	50,1	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		6.2.2012					
Tested by ABB Oy, Motors and Generators, Vaasa, Finland								Telephone +358 10 2211 Telefax +358 10 22 47372			

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