



Test Report				Date of issue: 4.6.2014							
				Serial No.: 3GF10023987							
				Type: M3JP 280SMA 6 IMV6/IM1031							
				Product Code: 3GJP283210-ADG							
				Protection type: Ex d IIB T4 Gb							
				Cert. No.: LCIE 11 ATEX 3089X / IECEx LCI 04.0006X							
Rating:				V	Hz	kW	r/min	A	cos φ	Duty	
3~Motor				400	D 50	45	990	82	0,84	S1	
Insul.cl.F						45					
IP56						45					
Ambient temp. -20°C...+55°C											
Resistance				Insulation resistance at 49,5 °C				Overload			
Line				Ambient: 22,5 °C				1700 MΩ 1000 V		Torque 160 % 15s	
U ₁ - V ₁				0,08113 Ω							
U ₁ - W ₁				0,08108 Ω							
V ₁ - W ₁				0,08112 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		400,0 D	50	26,9	1,07		1000	0,06			
Locked rotor test		85,9 D	50	81,0	3,66		0	0,30			
Thermal test (100% load)	433,7	400,1 D	50	83,8	48,2	45,0	990	0,83	93,3		
Partial load points:											
~75% load	326,7	400,1 D	50	64,6	36,0	33,8	992	0,80	93,7		
~50% load	214,8	400,1 D	50	47,5	24,1	22,5	995	0,73	93,4		
~25% load	107,1	400,1 D	50	33,8	12,5	11,3	998	0,53	90,3		
Temperature rise at rated load.				°C	K	Method		Measurement method			
Stator winding :				53,6	1			1 Resistance			
Frame :				31,8	2			2 Thermometer			
Bearing D-end :				35,5	2			3 Thermocouples			
Ambient Temperature :				25,0	2						
				Starting current (I _S / I _N) : 6,98				Locked rotor torque (T _L / T _N) : 2,51			
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		6.6.2010						
Tested by ABB Oy, Motors and Generators, Vaasa, Finland							Telephone +358 10 2211				
							Telefax +358 10 22 47372				

Computer print-out valid without signature.