



Test Report				Date of issue: 6.6.2014							
				Serial No.: 0910-010592792							
				Type: M3JP 280SMA 2 B3							
				Product Code: 3GJP281210-G							
				Protection type: Ex d IIB T4 Gb							
				Cert. No.: LCIE 11 ATEX 3089X / IECEx LCI 04.0006							
Rating:											
		V	Hz	kW	r/min	A	cos φ	Duty			
3~Motor		690	Y 50	75	2978	76	0,88	S1			
Insul.cl.F		400	D 50	75	2978	131	0,88	S1			
IP55		415	D 50	75	2980	127	0,87	S1			
Resistance				Ambient: 22,0 °C			Insulation resistance at 44,0 °C		Overload		
Line				12000 MΩ		1000 V		Torque 160 %		15s	
U ₁ - V ₁				0,03113 Ω							
U ₁ - W ₁				0,03113 Ω							
V ₁ - W ₁				0,03110 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	37,9	2,77		3000	0,11			
Locked rotor test		64,1 D	50	131,1	4,09		0	0,28			
Thermal test (100% load)	240,5	400,1 D	50	131,8	79,7	75,0	2977	0,87	94,1		
Partial load points:											
~75% load	180,9	400,1 D	50	102,1	60,1	56,3	2983	0,85	93,6		
~50% load	120,3	400,0 D	50	74,8	40,8	37,5	2987	0,79	92,0		
~25% load	60,8	400,0 D	50	51,4	21,7	18,8	2991	0,61	86,5		
Temperature rise at rated load.				°C	K	Method		Measurement method			
Stator winding :				55,7	1			1 Resistance			
Frame :				25,6	2			2 Thermometer			
Bearing D-end :				37,5	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		12.5.2009						
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone		+358 10 2211			
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