



Test Report				Date of issue: 5.6.2014							
				Serial No.: 3GP11019357							
				Type: M3JP 355SMA 6 B3							
				Product Code: 3GJP353210-ADG							
				Protection type: Ex d IIB T4 Gb							
				Cert. No.: LCIE 10 ATEX 3089X / IECEx LCI 04.0008X							
Rating:											
		V	Hz	kW	r/min	A	cos φ	Duty			
3-Motor		400	D 50	150	994	274	0,83	S1			
Insul.cl.F		415	D 50	150	994	271	0,81	S1			
IP55		690	Y 50	150,0	993	159	0,83	S1			
Eff class IE2		400 V 50Hz : IE2 - 95.4(100%) - 95.4(75%) - 94,8(50%)									
Resistance Line				Ambient: 20,0 °C			Insulation resistance at 32,0 °C				
U <sub>1</sub> - V <sub>1</sub>				0,01260 Ω			14000 MΩ		1000 V		
U <sub>1</sub> - W <sub>1</sub>				0,01261 Ω							
V <sub>1</sub> - W <sub>1</sub>				0,01260 Ω							
				High-voltage test winding			1900 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	95,5	2,85		1000	0,04			
Locked rotor test		78,3 D	50	273,0	9,84		0	0,27			
Thermal test (100% load)	1443,0	401,2 D	50	274,7	157,0	150,0	993	0,83	95,5		
Partial load points:											
~75% load	1083,3	401,6 D	50	214,4	117,7	112,5	995	0,79	95,6		
~50% load	722,9	401,9 D	50	160,6	78,9	75,0	997	0,71	95,1		
~25% load	367,4	402,1 D	50	117,3	40,6	37,5	999	0,50	92,3		
Temperature rise at rated load.				°C	K	Method		Measurement method			
Stator winding :				51,8	1	1		1 Resistance			
Frame :				28,7	2	2		2 Thermometer			
Bearing D-end :				34,3	2	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		28.10.2011						
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone		+358 10 2211			
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