



Test Report				Date of issue: 4.6.2014							
				Serial No.: 0847-010378192							
				Type: M3JP 250SMA 4							
				Product Code: 3GJP252210-G							
				Protection type: Ex d IIB T4 Gb							
				Cert. No.: LCIE 10 ATEX 3063X / IECEx LCI 04.0012X							
Rating:				V	Hz	kW	r/min	A	cos φ	Duty	
3~Motor				400	D	50	55	1479	100	0,84	S1
Insul.cl.F				415	D	50	55	1480	97,6	0,83	S1
IP55				690	Y	50	55	1479	58	0,84	S1
Eff class IE2				400 V 50Hz : IE2 - 94,3(100%) - 94,3(75%) - 93,6(50%)							
Resistance Line				Ambient: 21,0 °C				Insulation resistance at 54,0 °C		Overload	
U <sub>1</sub> - V <sub>1</sub>				0,06841 Ω				5500 MΩ		1000 V	
U <sub>1</sub> - W <sub>1</sub>				0,06846 Ω						Torque 160% 15s	
V <sub>1</sub> - W <sub>1</sub>				0,06845 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		400,1 D	50	38,2	1,26		1500	0,05			
Locked rotor test		74,7 D	50	101,0	4,60		0	0,35			
Thermal test (100% load)	355,1	400,3 D	50	101,0	58,2	55,0	1481	0,83	94,4		
Partial load points:											
~75% load	265,7	400,0 D	50	79,6	43,6	41,3	1486	0,79	94,7		
~50% load	178,7	400,2 D	50	60,7	29,3	27,5	1490	0,70	94,0		
~25% load	86,9	400,1 D	50	45,7	15,2	13,8	1494	0,48	90,7		
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :					63,0	1		1 Resistance			
Frame :					35,1	2		2 Thermometer			
Bearing D-end :					48,7	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		4.2.2009						
Tested by ABB Oy, Motors and Generators, Vaasa, Finland								Telephone		+358 10 2211	
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