



Test Report				Date of issue: 4.6.2014							
				Serial No.: 3GF10034460							
				Type: M3JP 250SMB 2 IMV1/IM3011							
				Product Code: 3GJP251220-BDG							
				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	75	2969	129	0,89	S1
Insul.cl.F				415	D	50	75	2972	124	0,89	S1
IP55				690	Y	50	75	2969	75	0,89	S1
Eff class IE2				400 V 50Hz : IE2 - 94,0(100%) - 94,0(75%) - 93.2(50%)							
Resistance Line				Ambient: 22,5 °C		Insulation resistance at 38,0 °C		Overload			
U ₁ - V ₁				0,03631 Ω		5700 MΩ		1000 V		Torque 160% 15s	
U ₁ - W ₁				0,03632 Ω							
V ₁ - W ₁				0,03631 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	29,1	2,16		2998	0,11			
Locked rotor test		75,5 D	50	129,4	4,82		0	0,28			
Thermal test (100% load)	241,2	400,4 D	50	129,7	80,0	75,0	2969	0,89	93,7		
Partial load points:											
~75% load	180,7	400,6 D	50	98,8	60,0	56,3	2980	0,88	93,8		
~50% load	120,3	400,9 D	50	70,2	40,3	37,5	2988	0,83	93,0		
~25% load	60,7	400,5 D	50	44,9	21,1	18,8	2997	0,68	89,0		
Temperature rise at rated load.				°C	K	Method		Measurement method			
Stator winding :				64,6	64,6	1		1 Resistance			
Frame :				33,1	33,1	2		2 Thermometer			
Bearing D-end :				46,3	46,3	2		3 Thermocouples			
Ambient Temperature :				25,0	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		17.9.2010					
Tested by ABB Oy, Motors and Generators, Vaasa, Finland							Telephone		+358 10 2211		
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