



Test Report				Date of issue: 4.6.2014					
				Serial No.: 0845-010576755					
				Type: M3JP 315SMB 2 B3					
				Product Code: 3GJP311220-RDG					
				Protection type: Ex d IIB T4 Gb					
				Cert. No.: LCIE 11 ATEX 3090X / IECEx LCI 04.0006X					
Rating:									
	V	Hz		kW	r/min	A	cos φ	Duty	
3~Motor	690	Y 50		132	2982	132	0,88	S1	
Insul.cl.F	400	D 50		132	2982	225	0,88	S1	
IP55	415	D 50		132	2983	222	0,87	S1	
Resistance				Insulation resistance at 48,0 °C			Overload		
Line	Ambient: 21,5 °C			4300 MΩ	1000 V	Torque 160 % 15s			
U ₁ - V ₁	0,01364 Ω								
U ₁ - W ₁	0,01364 Ω								
V ₁ - W ₁	0,01372 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		399,9 D	50	65,2	3,89		3000	0,09	
Locked rotor test		62,5 D	50	227,9	6,57		0	0,27	
Thermal test (100% load)	422,7	400,2 D	50	233,8	139,1	132,0	2984	0,86	94,9
Partial load points:									
~75% load	324,5	400,1 D	50	180,8	104,7	99,0	2988	0,84	94,6
~50% load	215,5	400,1 D	50	131,7	70,7	66,0	2993	0,78	93,3
~25% load	109,5	400,0 D	50	89,9	37,1	33,0	2996	0,60	88,9
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method	
Stator winding :				63,0	1	1 Resistance			
Frame :				31,6	2	2 Thermometer			
Bearing D-end :				40,4	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		17.12.2008				
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211		Telefax +358 10 22 47372	

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