



Test Report				Date of issue: 6.6.2014					
				Serial No.: 3GF10025157					
				Type: M3JP 280SMB 2 IMV1/IM3011					
				Product Code: 3GJP281220-BDG					
				Protection type: Ex d IIB T4 Gb					
				Cert. No.: LCIE 11 ATEX 3089X / IECEx LCI 04.0006X					
Rating:									
	V	Hz	kW	r/min	A	cos φ	Duty		
3~Motor	690	Y 50	90	2976	88	0,90	S1		
Insul.cl.F	400	D 50	90	2976	152	0,90	S1		
IP55	660	Y 50	90	2972	92	0,90	S1		
	380	D 50	90	2972	159	0,90	S1		
	415	D 50	90	2978	148	0,89	S1		
	440	D 60	105	3570	163,0	0,90	S1		
Resistance			Insulation resistance at 57,5 °C			Overload			
Line	Ambient: 23,0 °C		2000 MΩ 1000 V		Torque 160 % 15s				
U ₁ - V ₁	0,02720 Ω								
U ₁ - W ₁	0,02720 Ω								
V ₁ - W ₁	0,02718 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	36,5	2,33		3000	0,09	
Locked rotor test		67,3 D	50	152,2	5,20		0	0,29	
Thermal test (100% load)	288,8	400,0 D	50	154,6	95,3	90,0	2975	0,89	94,5
Partial load points:									
~75% load	216,2	400,0 D	50	117,8	71,4	67,5	2984	0,88	94,6
~50% load	143,9	400,1 D	50	83,8	48,0	45,0	2990	0,83	93,7
~25% load	71,6	400,0 D	50	54,2	25,0	22,5	2997	0,67	90,0
Temperature rise at rated load.			°C	K	Method		Measurement method		
Stator winding :			61,9	61,9	1		1 Resistance		
Frame :			28,6	28,6	2		2 Thermometer		
Bearing D-end :			39,7	39,7	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		18.6.2010					
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211 Telefax +358 10 22 47372			

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