



Test Report				Date of issue: 1.6.2015					
				Serial No.:					
				Type: M3JP 160MLB 6					
				Product Code: 3GJP163420-ADL					
				Protection type: Ex d IIB T4 Gb					
				Cert. No.: LCIE 11 ATEX 3087X / IECEX LCI 09.0008X					
Rating:									
	V	Hz	kW	r/min	A	cos φ	Duty		
3~Motor	690	Y 50	11,0	975	13,1	0,78	S1		
Insul.cl.F	400	D 50	11,0	975	22,5	0,78	S1		
IP55	415	D 50	11,0	977	22,0	0,77	S1		
Eff class IE3	440	D 60	11,0	1177	20,4	0,77	S1		
	460	D 60	11,0	1179	19,8	0,76	S1		
50Hz: IE3-90,3%(100%)-91,1%(75%)-91,1%(50%) 60Hz: IE3-91,7%(100%)									
Resistance			Insulation resistance at 82 °C			Overload			
Line	Ambient: 26 °C		2000 MΩ		1000 V		Torque 160% 15s Speed 120% 120s Current 150% 15s		
U ₁ - V ₁	0,53230 Ω								
U ₁ - W ₁	0,53120 Ω								
V ₁ - W ₁	0,53250 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]	η[r/min]	cos φ	η [%]
No load test		400,5 D	50	10,8	0,35		998	0,05	
Locked rotor test		94,2 D	50	22,4	1,16		0	0,32	
Thermal test (100% load)	107,4	399,8 D	50	22,5	12,2	11,0	975	0,78	90,2
Partial load points:									
~75% load	80,7	400,8 D	50	18,2	9,1	8,3	982	0,72	91,1
~50% load	53,9	400,9 D	50	14,5	6,1	5,5	989	0,60	91,0
~25% load	26,8	401,3 D	50	11,7	3,1	2,8	994	0,39	87,5
Temperature rise at rated load.			[°C]	[K]	Method		Measurement method		
Stator winding :				52	1		1 Resistance		
Frame :				27	2		2 Thermocouples		
Bearing D-end :				31	2		3 Thermometer		
Rotor:				73	3				
Ambient Temperature :			25		2				
These tests have been carried out on motor no. 3G1P141700176, on date 2014-07-23 which is identical in design with the above.									
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						
Tested by Asea Brown Boveri, S.A., Fabrica Motores, 08192 Sant Quirze del Valles, Spain					Telephone +34 93 728 85 00 Telefax +34 93 728 85 33				

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