



Test Report				Date of issue: 1.6.2015						
				Serial No.:						
				Type: M3JP 160MLA 6						
				Product Code: 3GJP163410-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	7,5	975	9,1	0,77	S1			
Insul.cl.F	400	D 50	7,5	975	15,7	0,77	S1			
IP55	415	D 50	7,5	976	15,4	0,76	S1			
Eff class IE3	440	D 60	7,5	1176	14,0	0,78	S1			
	460	D 60	7,5	1179	13,5	0,77	S1			
50Hz: IE3-89,1%(100%)-90,0%(75%)-90,0%(50%) 60Hz: IE3-91,0%(100%)										
Resistance			Insulation resistance at 83 °C				Overload			
Line	Ambient: 25 °C		2000 MΩ		1000 V		Torque 160% 15s Speed 120% 120s Current 150% 15s			
U ₁ - V ₁	0,95400 Ω									
U ₁ - W ₁	0,95500 Ω									
V ₁ - W ₁	0,95600 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		400,1 D	50	7,9	0,27		998	0,05		
Locked rotor test		100,2 D	50	15,9	0,96		0	0,35		
Thermal test (100% load)	73,5	400,1 D	50	15,7	8,4	7,5	975	0,77	89,1	
Partial load points:										
~75% load	55,2	400,7 D	50	12,7	6,3	5,6	982	0,71	90,0	
~50% load	36,7	401,6 D	50	10,1	4,2	3,8	988	0,59	90,0	
~25% load	18,3	401,6 D	50	8,3	2,2	1,9	994	0,38	86,2	
Temperature rise at rated load.			[°C]	[K]	Method		Measurement method			
Stator winding :			50	1			1 Resistance			
Frame :			28	2			2 Thermocouples			
Bearing D-end :			23	2			3 Thermometer			
Rotor:			69	3						
Ambient Temperature :			25	2						
<p>These tests have been carried out on motor no. 3G1P141700175, on date 2014-07-21 which is identical in design with the above.</p> <p>Manufactured and tested in accordance with rules of IEC 60034-1 and IEC 60034-2-1. PLL determined from residual loss.</p> <p>On behalf of customer</p> <p>On behalf of manufacturer Date of test</p> <p style="text-align: right;">Telephone +34 93 728 85 00 Telefax +34 93 728 85 33</p> <p>Tested by Asea Brown Boveri, S.A., Fabrica Motores, 08192 Sant Quirze del Valles, Spain</p>										

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