



Test Report				Date of issue: 1.6.2015					
				Serial No.:					
				Type: M3KP 160MLA 6					
				Product Code: 3GKP163410-ADL					
				Protection type: Ex de 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			
U ₁ - V ₁	0,95400 Ω					Speed 120% 120s			
U ₁ - W ₁	0,95500 Ω					Current 150% 15s			
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				
These tests have been carried out on motor no. 3G1P141700175, on date 2014-07-21 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									

Computer print-out valid without signature.