



Test Report				Date of issue: 1.6.2015					
Customer:				Serial No.:					
Customer ref.:				Type: M3KP 180MLA 6					
				Product Code: 3GKP183410-ADL					
				Protection type: Ex de IIB T4 Gb					
				Cert. No.: LCIE 11 ATEX 3088X /					
				IECEx LCI 09.0009X					
Rating:									
	V	Hz	kW	r/min	A	cos φ	Duty		
3-Motor	690	Y 50	15,0	979	17,4	0,79	S1		
Insul.cl.F	400	D 50	15,0	979	30,1	0,79	S1		
IP55	415	D 50	15,0	980	29,6	0,77	S1		
Eff class IE3	440	D 60	15,0	1180	27,0	0,79	S1		
	460	D 60	15,0	1182	26,1	0,78	S1		
50Hz: IE3-91,2%(100%)-91,9%(75%)-91,6%(50%)									
60Hz: IE3-91,7%(100%)									
Resistance				Insulation resistance at 80 °C		Overload			
Line	Ambient: 24 °C		2000 MΩ		1000 V	Torque 160% 15s			
U ₁ - V ₁	0,37530 Ω					Speed 120% 120s			
U ₁ - W ₁	0,37430 Ω					Current 150% 15s			
V ₁ - W ₁	0,37590 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]	n[r/min]	cos φ	η [%]
No load test		400,4 D	50	13,2	0,44		998	0,05	
Locked rotor test		102,1 D	50	30,9	1,66		0	0,30	
Thermal test (100% load)	146,7	400,2 D	50	30,1	16,4	15,0	979	0,79	91,4
Partial load points:									
~75% load	110,0	400,6 D	50	24,0	12,2	11,3	985	0,73	92,1
~50% load	73,4	400,1 D	50	18,8	8,2	7,5	990	0,63	91,8
~25% load	36,4	400,7 D	50	14,9	4,3	3,8	995	0,41	88,3
Temperature rise at rated load.				[°C]	[K]	Method	Measurement method		
Stator winding :				48	1		1 Resistance		
Frame :				23	2		2 Thermocouples		
Bearing D-end :				24	2		3 Thermometer		
Rotor :				71	3				
Ambient Temperature :				25	2				
<p>These tests have been carried out on motor no. 3G1P141700180, on date 2014-06-20 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>									
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		
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