



Test Report				Date of issue: 1.6.2015					
Customer:				Serial No.:					
Customer ref.:				Type: M3KP 180MLA 4					
				Product Code: 3GKP182410-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	18,5	1481	20,1	0,83	S1		
Insul.cl.F	400	D 50	18,5	1481	34,9	0,83	S1		
IP55	415	D 50	18,5	1482	33,8	0,82	S1		
Eff class IE3	440	D 60	18,5	1781	31,2	0,83	S1		
	460	D 60	18,5	1783	30,3	0,82	S1		
50Hz: IE3-92,6%(100%)-93,3%(75%)-92,9%(50%)									
60Hz: IE3-93,6%(100%)									
Resistance				Insulation resistance at 85 °C		Overload			
Line	Ambient: 24 °C		2000 MΩ		1000 V		Torque 160% 15s		
U ₁ - V ₁	0,25500 Ω						Speed 120% 120s		
U ₁ - W ₁	0,25570 Ω						Current 150% 15s		
V ₁ - W ₁	0,25500 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		400,6 D	50	13,2	0,45		1498	0,05	
Locked rotor test		84,4 D	50	34,9	1,73		0	0,34	
Thermal test (100% load)	119,7	400,7 D	50	34,9	20,0	18,5	1481	0,83	92,7
Partial load points:									
~75% load	89,2	400,1 D	50	27,3	14,9	13,9	1486	0,79	93,3
~50% load	59,8	399,9 D	50	20,7	9,9	9,3	1490	0,69	93,0
~25% load	29,7	400,6 D	50	15,6	5,1	4,6	1495	0,48	90,1
Temperature rise at rated load.				°C	K	Method		Measurement method	
Stator winding :				57	1			1 Resistance	
Frame :				26	2			2 Thermocouples	
Bearing D-end :				31	2			3 Thermometer	
Rotor:				70	3				
Ambient Temperature :				25	2				
These tests have been carried out on motor no. 3G1P141700178, on date 2014-06-19 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.