



Test Report				Date of issue: 4.6.2014					
				Serial No.: 3GF11076111					
				Type: M3KP 180MLC 2 B3					
				Product Code: 3GKP181430-H					
				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	400	D 50	37	2947	63,9	0,90	S1		
Insul.cl.F	415	D 50	37	2952	63	0,88	S1		
IP55	690	Y 50	37,0	2947	37,1	0,90	S1		
Eff class IE2 400 V 50Hz : IE2 - 92.8(100%) - 93.0(75%) - 92.5(50%)									
Resistance				Insulation resistance at 51,5 °C		Overload			
Line	Ambient: 23,5 °C			1900 MΩ 1000 V		Torque 160% 15s			
U ₁ - V ₁	0,10757 Ω								
U ₁ - W ₁	0,10786 Ω								
V ₁ - W ₁	0,10789 Ω								
				High-voltage test winding 2900 V		1 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		400,0	D 50	19,6	1,21		3000	0,09	
Locked rotor test		62,8	D 50	63,9	2,96		0	0,43	
Thermal test (100% load)	119,9	400,1	D 50	65,1	40,1	37,0	2950	0,89	92,4
Partial load points:									
~75% load	90,1	400,0	D 50	50,3	30,0	27,8	2966	0,86	92,6
~50% load	59,9	400,0	D 50	36,7	20,2	18,5	2979	0,79	91,8
~25% load	30,0	400,0	D 50	25,3	10,6	9,25	2991	0,60	87,5
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method	
Stator winding :				69,1	1	1		1 Resistance	
Frame :				22,8	2	2		2 Thermometer	
Bearing D-end :				32,8	2	2		3 Thermocouples	
Ambient Temperature :				25,0	2				
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		28.7.2011				
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211 Telefax +358 10 22 47372			

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