



Test Report				Date of issue: 4.6.2014					
				Serial No.: 3GF11070035					
				Type: M3KP 180MLB 4 IMB3/IM1001					
				Product Code: 3GKP182420-ADH					
				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	22	1476	42,1	0,82	S1		
Insul.cl.F	415	D 50	22	1478	41	0,81	S1		
IP55	690	Y 50	22	1476	24,4	0,82	S1		
Eff class IE2 400 V 50Hz : IE2 - 91.6(100%) - 92.4(75%) - 92.2(50%)									
Resistance				Insulation resistance at 50,0 °C			Overload		
Line		Ambient: 22,0 °C		15000 MΩ 1000 V		Torque 160% 15s			
U <sub>1</sub> - V <sub>1</sub>		0,19470 Ω							
U <sub>1</sub> - W <sub>1</sub>		0,19480 Ω							
V <sub>1</sub> - W <sub>1</sub>		0,19480 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		400,1	D 50	17,1	0,63		1500	0,05	
Locked rotor test		86,9	D 50	42,1	2,11		0	0,33	
Thermal test (100% load)	142,3	400,0	D 50	42,1	23,9	22,0	1475	0,82	92,2
Partial load points:									
~75% load	107,4	400,1	D 50	33,5	17,8	16,5	1483	0,77	92,8
~50% load	70,8	400,1	D 50	25,7	11,9	11,00	1490	0,67	92,3
~25% load	35,6	400,2	D 50	19,8	6,20	5,50	1495	0,45	88,7
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method	
Stator winding :				56,1	1	1 Resistance		1 Resistance	
Frame :				25,8	2	2 Thermometer		2 Thermometer	
Bearing D-end :				37,5	2	3 Thermocouples		3 Thermocouples	
Rotor:				85,1	3				
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		5.5.2011				
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211		Telefax +358 10 22 47372	

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