



Test Report				Date of issue: 4.6.2014					
				Serial No.: 3GF10019309					
				Type: M3KP 180MLA 4 IMV1/IM3011					
				Product Code: 3GKP182410-BDH					
				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	18,5	1474	35,1	0,83	S1		
Insul.cl.F	415	D 50	18,5	1476	34,6	0,81	S1		
IP55	690	Y 50	18,5	1474	20,3	0,83	S1		
Eff class IE2 400 V 50Hz : IE2 - 91.6(100%) - 92.0(75%) - 91.2(50%)									
Resistance				Insulation resistance at 50,0 °C			Overload		
Line	Ambient: 21,0 °C			13000 MΩ 1000 V		Torque 160% 15s			
U <sub>1</sub> - V <sub>1</sub>	0,26710 Ω								
U <sub>1</sub> - W <sub>1</sub>	0,26710 Ω								
V <sub>1</sub> - W <sub>1</sub>	0,26660 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		400,1	D 50	13,9	0,54		1500	0,06	
Locked rotor test		94,4	D 50	36,0	2,09		0	0,36	
Thermal test (100% load)	119,9	400,3	D 50	35,8	20,3	18,5	1472	0,82	91,3
Partial load points:									
~75% load	88,7	400,2	D 50	28,0	15,1	13,9	1481	0,78	92,1
~50% load	61,0	400,1	D 50	21,4	10,1	9,25	1487	0,68	91,7
~25% load	29,5	400,3	D 50	16,2	5,24	4,62	1495	0,47	88,2
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method	
Stator winding :				58,2	1	1 Resistance			
Frame :				29,2	2	2 Thermometer			
Bearing D-end :				32,8	2	3 Thermocouples			
Rotor:				73,8	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		13.4.2010				
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211 Telefax +358 10 22 47372			

Computer print-out valid without signature.