



Test Report				Date of issue: 4.6.2014					
				Serial No.: 3GF10029779					
				Type: M3KP 180MLB 8 IMV6/IM1031					
				Product Code: 3GKP184420-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	11	723	24,9	0,72	S1		
Insul.cl.F	415	D 50	11	725	24,7	0,70	S1		
IP56	690	Y 50	11	723	14,4	0,72	S1		
Ambient temp. -20°C...+45°C									
400 V 50Hz : 88.3(100%) - 89.2(75%) - 88.7(50%)									
Resistance				Insulation resistance at 60,0 °C		Overload			
Line	Ambient: 24,0 °C			1481 MΩ 1000 V		Torque 160% 15s			
U <sub>1</sub> - V <sub>1</sub>	0,43050 Ω								
U <sub>1</sub> - W <sub>1</sub>	0,43050 Ω								
V <sub>1</sub> - W <sub>1</sub>	0,43060 Ω								
				High-voltage test winding 1800 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	14,0	0,50		748	0,05	
Locked rotor test		111,7 D	50	24,4	1,46		0	0,31	
Thermal test (100% load)	145,9	400,1 D	50	25,5	12,5	11,0	723	0,71	87,8
Partial load points:									
~75% load	109,3	400,1 D	50	21,2	9,31	8,25	731	0,64	88,7
~50% load	73,1	400,0 D	50	17,5	6,24	5,50	738	0,51	88,2
~25% load	36,4	400,1 D	50	15,0	3,31	2,75	744	0,32	83,1
Temperature rise at rated load.			[°C]	[K]	Method		Measurement method		
Stator winding :				55,8	1		1 Resistance		
Frame :				36,9	2		2 Thermometer		
Bearing D-end :				41,5	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		17.8.2010				
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211			
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