



Test Report				Date of issue: 6.6.2014							
				Serial No.: 3GF12117593							
				Type: M3KP 180MLB 8 IMB3/IM1001							
				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				690	Y 50	7,5	730	11,3	0,63	S1	
Insul.cl.F				400	D 50	7,5	730	19,5	0,63	S1	
IP55				415	D 50	7,5	731	18,8	0,63	S1	
Resistance				Ambient: 22,0 °C				Insulation resistance at 45,5 °C		Overload	
Line				2000 MΩ				1000 V		Torque 160% 15s	
U ₁ - V ₁				0,41920 Ω							
U ₁ - W ₁				0,41910 Ω							
V ₁ - W ₁				0,41930 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		400,4	D 50	15,1	0,56		750	0,05			
Locked rotor test		90,5	D 50	21,0	1,05		0	0,32			
Thermal test (100% load)	97,6	400,2	D 50	20,7	8,52	7,50	734	0,60	88,1		
Partial load points:											
~75% load	74,4	400,2	D 50	18,5	6,45	5,62	738	0,50	87,3		
~50% load	47,4	400,3	D 50	16,6	4,42	3,75	743	0,38	84,8		
~25% load	24,7	400,2	D 50	15,4	2,47	1,87	746	0,23	75,9		
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :					37,5	1		1 Resistance			
Frame :					19,8	2		2 Thermometer			
Bearing D-end :					24,8	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		17.6.2012						
Tested by ABB Oy, Motors and Generators, Vaasa, Finland								Telephone		+358 10 2211	
								Telefax		+358 10 22 47372	

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