



Test Report				Date of issue: 9.6.2014					
				Serial No.: 3GF10045532					
				Type: M3KP 355SMB 2 IMB3/IM1001					
				Product Code: 3GKP351220-ADG					
				Protection type: Ex de IIB T4 Gb					
				Cert. No.: LCIE 10 ATEX 3089X IECEx LCI 04.0008X					
Rating:									
	V	Hz	kW	r/min	A	cos φ	Duty		
3~Motor	690	Y 50	315	2980	309	0,89	S1		
Insul.cl.F	400	D 50	315	2980	533	0,89	S1		
IP56	660	Y 50	315	2978	323	0,89	S1		
	380	D 50	315	2978	561	0,89	S1		
	415	D 50	315	2982	514	0,89	S1		
	440	D 60	362	3576	558	0,89	S1		
Resistance				Insulation resistance at 46,0 °C			Overload		
Line		Ambient: 21,0 °C		20000 MΩ 1000 V		Torque 160 % 15s			
U ₁ - V ₁		0,00439 Ω							
U ₁ - W ₁		0,00440 Ω							
V ₁ - W ₁		0,00438 Ω							
				High-voltage test winding 2400 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	124,7	5,73		3000	0,07	
Locked rotor test		66,1 D	50	533,0	16,3		0	0,27	
Thermal test (100% load)	1009,0	400,4 D	50	529,4	327,5	315,0	2980	0,89	96,2
Partial load points:									
~75% load	755,5	400,6 D	50	404,0	245,7	236,3	2986	0,88	96,1
~50% load	501,0	400,8 D	50	287,1	164,9	157,5	2991	0,83	95,5
~25% load	254,5	400,9 D	50	184,7	84,9	78,8	2996	0,66	92,8
Temperature rise at rated load.				°C	K	Method		Measurement method	
Stator winding :				66,7	1	1 Resistance			
Frame :				31,4	2	2 Thermometer			
Bearing D-end :				49,9	2	3 Thermocouples			
Ambient Temperature :		25,0			2				
				Starting current (I _S / I _N) : 6,98				Locked rotor torque (T ₁ / T _N) : 2,09	
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		17.2.2011					
Tested by ABB Oy, Motors and Generators, Vaasa, Finland				Telephone		+358 10 2211			
				Telefax		+358 10 22 47372			

Computer print-out valid without signature.