



Test Report				Date of issue: 5.6.2014							
				Serial No.: 75033778002001A							
				Type: M3KP 355SMA 8 IMB3/IM1001							
				Product Code: 3GKP354210-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				400	D	50	132,0	744	251	0,8 S1	
Insul.cl.F				690	Y	50	132,0	744	146	0,8 S1	
IP55				415	D	50	132,0	745	248	0,78 S1	
				400 V 50Hz: 94,7(100%) - 94,7(75%) - 94(50%)							
Resistance Line				Ambient: 15,0 °C				Insulation resistance at 15 °C		Overload	
U ₁ - V ₁				0,01715 Ω				R > 2000 Mohm 1000 V		Voltage 130 % 180s	
U ₁ - W ₁				0,01714 Ω						Torque 160 % 15s	
V ₁ - W ₁				0,01713 Ω						Speed 120 % 120s	
								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		400,6 D	50	107,9	2,51		750	0,03			
Locked rotor test		88,2 D	50	256,0	7,78		0	0,2			
Thermal test (100% load)	1693,8	400 D	50	256,3	138,49	132,00	744	0,77	95,30		
Partial load points:											
~75% load	1269,6	400 D	50	205,0	103,97	99,00	745	0,73	95,20		
~50% load	844,3	400 D	50	160,0	69,63	66,00	747	0,63	94,80		
~25% load	421,5	400 D	50	124,4	35,86	33,00	748	0,42	92,00		
Temperature rise at rated load.				[°C]		[K]	Method		Measurement method		
Stator winding :						59,8	1		1 Resistance		
Frame :						28,2	2		2 Thermometer		
Bearing D-end :						30,6	2		3 Thermocouples		
Ambient Temperature :				25			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				18.12.2011			
Tested by ABB Shanghai Motors , LV Motors, Shanghai,P.R.China								Telephone		+86 21 54723133	
								Telefax		+86 21 54725009	

Computer print-out valid without signature.