



Test Report				Date of issue: 5.6.2014							
				Serial No.: 75033778004001A							
				Type: M3KP 355SMC 8 IMB3/IM1001							
				Product Code: 3GKP354230-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	200,0	743	378	0,8 S1	
Insul.cl.F				690	Y	50	200,0	743	219	0,8 S1	
IP55				415	D	50	200,0	744	374	0,78 S1	
				400 V 50Hz: 95,3(100%) - 95,4(75%) - 94,8(50%)							
Resistance				Insulation resistance at 14 °C				Overload			
Line				R > 2000 Mohm 1000 V				Voltage 130 % 180s			
U ₁ - V ₁				Ambient: 14,0 °C				Torque 160 % 15s			
U ₁ - W ₁				0,01172 Ω				Speed 120 % 120s			
V ₁ - W ₁				0,01171 Ω							
				0,01172 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		400,2 D	50	156,8	3,15		750	0,03			
Locked rotor test		88 D	50	375,3	13,73		0	0,24			
Thermal test (100% load)	2575,7	400 D	50	384,7	210,23	200,00	742	0,79	95,10		
Partial load points:											
~75% load	1924,7	400 D	50	303,3	157,10	150,00	744	0,75	95,50		
~50% load	1279,6	400 D	50	232,9	104,91	100,00	746	0,65	95,30		
~25% load	638,7	400 D	50	179,6	53,69	50,00	748	0,43	93,10		
Temperature rise at rated load.				°C	K	Method		Measurement method			
Stator winding :					71,0	1		1 Resistance			
Frame :					27,2	2		2 Thermometer			
Bearing D-end :					41,3	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				19.12.2011			
Tested by ABB Shanghai Motors , LV Motors, Shanghai,P.R.China								Telephone		+86 21 54723133	
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