



Test Report				Date of issue: 5.6.2014							
				Serial No.: 75033778003001A							
				Type: M3KP 355SMB 8 IMB3/IM1001							
				Product Code: 3GJP354220-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	160,0	744	303	0,8 S1	
Insul.cl.F				690	Y	50	160,0	744	176	0,8 S1	
IP55				415	D	50	160,0	745	299	0,78 S1	
				400 V 50Hz: 95,2(100%) - 95,2(75%) - 94,5(50%)							
Resistance Line				Ambient: 17,0 °C				Insulation resistance at 17,0 °C		Overload	
U <sub>1</sub> - V <sub>1</sub>				0,01429 Ω				R > 2000 Mohm 1000 V		Voltage 130 % 180s	
U <sub>1</sub> - W <sub>1</sub>				0,01430 Ω						Torque 160 % 15s	
V <sub>1</sub> - W <sub>1</sub>				0,01430 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		400,7 D	50	129,4	2,794		750	0,03			
Locked rotor test		85,8 D	50	307,2	9,31		0	0,20			
Thermal test ( 100% load )	2054,2	400 D	50	308,5	167,71	160,00	744	0,79	95,40		
Partial load points:											
~75% load	1540,2	400 D	50	245,8	125,84	120,00	744	0,74	95,40		
~50% load	1024,3	400 D	50	191,0	84,26	80,00	746	0,64	94,90		
~25% load	510,7	400 D	50	148,3	43,22	40,00	748	0,42	92,60		
Temperature rise at rated load.				[°C]		[K]	Method		Measurement method		
Stator winding :						57,8	1		1 Resistance		
Frame :						23,1	2		2 Thermometer		
Bearing D-end :						35,4	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				3.12.2011			
Tested by ABB Shanghai Motors , LV Motors, Shanghai,P.R.China								Telephone		+86 21 54723133	
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