



Test Report				Date of issue: 11.6.2014					
				Serial No.: 75033778003001A					
				Type: M3GP 355SMB 8 IMB3/IM1001 Product Code: 3GGP354220-ADG Protection type: Ex nA IIC T3 Gc Cert. No.: LCIE 12 ATEX 1008X IECEX LCI 07.0001X					
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 ₁ - V ₁		0,01429 Ω		R > 2000 Mohm 1000 V		Voltage 130 % 180s			
U ₁ - W ₁		0,01430 Ω				Torque 160 % 15s			
V ₁ - W ₁		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		Telefax +86 21 54725009	

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