



Test Report				Date of issue: 11.6.2014					
				Serial No.: 75033778003001B					
				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	150,0	744	287	0,79	S1
Insul.cl.F		690	Y	50	150,0	744	166	0,79	S1
IP55		415	D	50	150,0	745	276	0,79	S1
				400 V 50Hz: 95,5(100%) - 95,4(75%) - 95,0(50%)					
Resistance		Ambient: 17,0 °C		Insulation resistance at 17,0 °C		Overload			
Line				R > 2000 Mohm		1000 V		Voltage 130 % 180s Torque 160 % 15s Speed 120 % 120s	
U ₁ - V ₁		0,01429 Ω							
U ₁ - W ₁		0,01430 Ω							
V ₁ - W ₁		0,01430 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		400,3 D	50	129,8	2,80		750	0,03	
Locked rotor test		81,7 D	50	288,4	8,20		0	0,20	
Thermal test (100% load)	1925,8	400 D	50	292,8	157,08	150,00	744	0,77	95,50
Partial load points:									
~75% load	1441,8	400 D	50	235,3	117,90	112,50	745	0,72	95,40
~50% load	958,4	400 D	50	184,8	78,92	75,00	747	0,62	95,00
~25% load	478,5	400 D	50	146,6	40,64	37,50	748	0,40	92,30
Temperature rise at rated load.		[°C]		[K]	Method		Measurement method		
		Stator winding :		53,3	1		1 Resistance		
		Frame :		21,9	2		2 Thermometer		
		Bearing D-end :		32,2	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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