



Test Report				Date of issue: 11.6.2014							
				Serial No.: 500474635013001							
				Type: M3GP 315SMB 8 IMB3/IM1001							
				Product Code: 3GGP314220-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	75,0	741	140	0,82	S1
Insul.cl.F				690	Y	50	75,0	741	81	0,82	S1
IP55				415	D	50	75,0	742	137	0,81	S1
				400 V 50Hz: 93,7(100%) - 93,9(75%) - 93,4(50%)							
Resistance				Insulation resistance at 22 °C				Overload			
Line				R > 2000 Mohm 1000 V				Voltage 130 % 120s			
U ₁ - V ₁				Ambient: 26,0 °C				Torque 160 % 15s			
U ₁ - W ₁				0,04759 Ω				Speed 120 % 120s			
V ₁ - W ₁				0,04761 Ω							
				0,04759 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		400,4 D	50	59,1	1,572		750	0,04			
Locked rotor test		91,7 D	50	142,3	6,15		0	0,27			
Thermal test (100% load)	968,5	400 D	50	146,1	80,09	75,00	740	0,79	93,60		
Partial load points:											
~75% load	724,9	400 D	50	115,4	60,00	56,25	741	0,75	93,70		
~50% load	481,3	400 D	50	88,7	40,06	37,50	744	0,65	93,60		
~25% load	239,7	400 D	50	68,4	20,60	18,75	747	0,44	91,00		
Temperature rise at rated load.				°C	K	Method		Measurement method			
Stator winding :					71,3	1		1 Resistance			
Frame :					32,9	2		2 Thermometer			
Bearing D-end :					44,4	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			18.11.2011					
Tested by ABB Shanghai Motors , LV Motors, Shanghai,P.R.China							Telephone +86 21 54723133				
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