



Type Test Report					Date of issue: 2015-03-16					
					Serial No.: 3G1T12320000012829					
Customer:					Type: M1AA 180 MLA 4 Product Code: 3GAA182061-_SA					
Customer ref.:										
Rating:		V	Hz	kW	r/min	A	cos φ	Duty		
3~Motor		230	D 50	18.5	1450	60.9	0,85	S1		
Insul.cl.F		400	Y 50	18.5	1450	35.2	0,85	S1		
IP55		460	Y 60	18.5	1755	30.6	0.84	S1		
Eff class IE1		50Hz : IE1-89.3(100%)-89.9(75%)-89.5(50%) 60Hz :								
Resistance Line		Ambient: 25 °C		Insulation resistance at 25 °C R > 2000 Mohm 1000 V			Overload Current 150% 120s Torque 160% 15s Speed 120% 120s			
U ₁ - V ₁		0,43500 Ω								
U ₁ - W ₁		0,43300 Ω								
V ₁ - W ₁		0,43500 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 Y	50	17,10	0,91		1500	0,08		
Locked rotor test		83 Y	50	20,7	1,37		0	0,46		
Thermal test (100% load)	121,1	400 Y	50	35,60	20,61	18,56	1464	0,85	89,06	
Partial load points:										
~75% load	90,8	400 Y	50	29,23	15,57	14,00	1474	0,77	89,79	
~50% load	60,5	400 Y	50	23,30	10,59	9,41	1484	0,65	89,24	
~25% load	30,3	400 Y	50	19,34	6,12	5,12	1490	0,45	84,08	
Temperature rise at rated load.		[°C]		[K]	Method		Measurement method			
Stator winding :		58,7		3				1 Resistance		
Frame :								2 Thermometer		
Bearing D-end :								3 Thermocouples		
Ambient Temperature :		25		3						
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		2012-08-07						

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