



Type Test Report				Cert. No.							
Customer:				M-file ref.:							
				Date of Issue 03/22/2005							
Customer ref.:				Type: M2QA180M4A							
				Serial no.: 0AD127-153/04-1							
Rating: 3~Motor				Product Code 3GQA 182 301							
Insul.cl.F S1 IP55 170 kg				V	Hz	kW	r/min	A	cos φ	IA/IN	TE[s]
				400	Y 50	18.5	1470	34.12	0.86		
				230	D 50	18.5	1470	59.34	0.86		
				380	Y 50	18.5	1465	35.1	0.88		
				220	D 50	18.5	1465	60.63	0.88		
				415	Y 50	18.5	1470	34.49	0.82		
440	Y 60	21.3	1764	34.62	0.87						
Resistance			Insulation resistance			Overload test					
Line	Pole	Ambient 25 °C	R > 200 Mohm								
	4	0.3206 Ω									
			High-voltage test								
			2380 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		400	Y 50	14.08	0.8062		1500				
Rated load (cold)		400	Y 50	34.9	20.35	18.5	1475				
Rated load (stab.)	120.29	400	Y 50	34.28	20.368	18.5	1469.5	0.8576	90.83		
146% rated load	175.57	400	Y 50	55.01	30.869	27.01	1451.2	0.81	87.5		
Shortcircuit	264.64	400	Y 50	245.7			0				
		100	Y 50	52.44	4.118		0				
Temperature rise at amb.temp. 27 °C				Temperature				Measurement method			
Stator winding	Pole	(K)	Method	Ambient	Pole	°C	Method	1 Resistance			
	4	53.1	1	Frame	4	27	2	2 Thermometer			
					4	40	2	3 Thermocouples			
Manufactured and tested in accordance with rules of IEC 60034-1.											
On behalf of customer											
On behalf of manufacturer			Date of test		10/09/2004						
Tested by ABB Shanghai Motors Co., Ltd											

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