



Type Test Report				Cert. No.							
Customer:				M-file ref.:							
				Date of Issue 03/22/2005							
Customer ref.:				Type: M2QA160L4A							
				Serial no.: 0AD127-151/04-1							
Rating: 3~Motor				Product Code 3GQA 162 501							
Insul.cl.F S1 IP55 137 kg		V		Hz	kW	r/min	A	cos φ	IA/IN	TE[s]	
		690		Y	50	15	1460	16.22	0.86		
		400		D	50	15	1460	27.97	0.86		
		660		Y	50	15	1452	16.57	0.88		
		380		D	50	15	1452	28.78	0.88		
		415		D	50	15	1461	27.28	0.85		
440		D	60	17.3	1752	28.17	0.88				
Resistance			Insulation resistance			Overload test					
Line		Pole	Ambient 25 °C		R > 200 Mohm						
		4	0.5249 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	D 50	8.97	0.4215		1500				
Rated load (cold)		400	D 50	28.5	16.611	15	1461				
Rated load (stab.)	98.56	400	D 50	27.79	16.644	15	1454.1	0.8645	90.12		
146% rated load	143.33	400	D 50	45.66	25.465	21.9	1426.8	0.805	86		
Shortcircuit	226.69	400	D 50	193			0				
		100	D 50	34.75	2.603		0				
Temperature rise at amb.temp. 30 °C			Temperature			Measurement method					
Stator winding	Pole	(K)	Method	Pole	°C	Method	1 Resistance				
	4	66.7	1	Ambient	4	30	2	2 Thermometer			
				Frame	4	58	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		08/09/2004						
Tested by ABB Shanghai Motors Co., Ltd											

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