



Type Test Report				Cert. No.							
Customer:				M-file ref.:							
				Date of Issue 03/22/2005							
Customer ref.:				Type: M2QA225M4A							
				Serial no.: OAD127-042/04-1							
Rating: 3~Motor				Product Code 3GQA 222 301							
Insul.cl.F S1 IP55 335 kg				V	Hz	kW	r/min	A	cos φ	IA/IN	TE[s]
				690	Y 50	45	1480	46.64	0.87		
				400	D 50	45	1480	80.45	0.87		
				660	Y 50	45	1475	48.31	0.88		
				380	D 50	45	1475	83.90	0.88		
				415	D 50	45	1480	79.37	0.85		
440	D 60	51.8	1770	83.23	0.88						
Resistance				Insulation resistance				Overload test			
Line		Pole	Ambient 14 °C		R > 200 Mohm						
		4	0.0884 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	33.12	1.5675		1500				
Rated load (cold)		400	D 50	81.2	48.2	45	1487.4				
Rated load (stab.)	290.07	400	D 50	79.92	48.235	45	1482.3	0.8711	93.29		
146% rated load	424.16	400	D 50	107.33	70.645	65.7	1477.6	0.95	93		
Shortcircuit	609.15	400	D 50	595.3			0				
		100	D 50	113.96	7.006		0				
Temperature rise at amb.temp. 14 °C				Temperature				Measurement method			
Stator winding		Pole	(K)	Method	Pole	°C	Method	1 Resistance			
		4	71	1	Ambient	4	14	2	2 Thermometer		
					Frame	4	67	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 05/04/2004							
Tested by ABB Shanghai Motors Co., Ltd											

Computer print-out valid without signature

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