



Type Test Report				Cert. No.						
Customer:				M-file ref.:						
				Date of Issue 03/22/2005						
Customer ref.:				Type: M2QA112M4A						
				Serial no.: 0AD127-017/04-1						
Rating: 3~Motor				Product Code 3GQA 112 301						
Insul.cl.F S1 IP55 45 kg		V		Hz	kW	r/min	A	cos φ	IA/IN	TE[s]
		380-420 D		50	4	1430	8.57	0.82		
		660-690 Y		50	4	1430	4.93	0.82		
440-480 D		60	4.6	1720	8.61	0.825				
Resistance Line			Pole 4	Ambient 7 °C 2.475 Ω		Insulation resistance R > 200 Mohm		Overload test		
					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	3.76	0.2377		1500			
Rated load (cold)		400	D 50	8.37	4.729	4	1430			
Rated load (stab.)	26.85	400	D 50	8.28	4.745	4	1423.6	0.8272	84.3	
146% rated load	39.02	400	D 50	13.34	7.255	5.84	1378	0.785	80.5	
Shortcircuit	80.55	400	D 50	55.3			0			
		100	D 50	10.48	0.985		0			
Temperature rise at amb.temp. 16 °C			Temperature			Measurement method				
Stator winding	Pole	(K)	Method	Ambient	Pole	°C	Method	1 Resistance		
	4	63.8	1	Frame	4	16	2	2 Thermometer		
					4	49	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		11/02/2004					
Tested by ABB Shanghai Motors Co., Ltd										

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## ABB Motors

ABB Shanghai Motors Co., Ltd  
88 Tianning Road ,Minhang Economic  
and Technological Development Zone

200245 Shanghai China

Phone: +86 21 54723133  
Fax: +86 21 54725009