



Type Test Report				Cert. No.							
Customer:				M-file ref.:							
				Date of Issue 03/22/2005							
Customer ref.:				Type: M2QA160M4A							
				Serial no.: 0AD127-162/04-2							
Rating: 3~Motor				Product Code 3GQA 162 301							
Insul.cl.F S1 IP55 116 kg		V		Hz	kW	r/min	A	cos φ	IA/IN	TE[s]	
		690		Y	50	11	1460	12.10	0.85		
		400		D	50	11	1460	20.87	0.85		
		660		Y	50	11	1455	12.36	0.87		
		380		D	50	11	1455	21.46	0.87		
		415		D	50	11	1463	20.60	0.83		
440		D	60	12.7	1755	21.06	0.87				
Resistance			Insulation resistance			Overload test					
Line		Pole	Ambient 24 °C		R > 200 Mohm						
		4	0.7047 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	8.825	0.3841		1500				
Rated load (cold)		400	D 50	22.5	12.201	11	1467				
Rated load (stab.)	72.02	400	D 50	21.12	12.231	11	1459.4	0.8359	89.94		
146% rated load	105.11	400	D 50	34.58	18.806	16.06	1435.6	0.785	85.4		
Shortcircuit	187.25	400	D 50	148.2			0				
		100	D 50	27.3	2.266		0				
Temperature rise at amb.temp. 28 °C			Temperature			Measurement method					
Stator winding		Pole	(K)	Method	Pole	°C	Method	1 Resistance			
		4	55.5	1	Ambient	4	28	2	2 Thermometer		
					Frame	4	54	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				27/09/2004			
Tested by ABB Shanghai Motors Co., Ltd											

Computer print-out valid without signature

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