



Type Test Report					Date of issue: 1.9.2015					
Customer ref.:					Serial No.:					
					Motor Type: M3AA 250SMC 6					Product Code: 3GAA253230-ADK
Rating:		V	Hz	kW	r/min	A	cos φ	Duty		
3~Motor		690	Y	50	55,00	989	61,10	0,80	S1	
Insul.cl.F		400	D	50	55,00	989	105,00	0,80	S1	
IP55		415	D	50	55,00	990	105,00	0,77	S1	
Eff class IE3		50Hz : IE3 - 94,1(100%) - 94,7(75%) - 94,5(50%)								
Resistance					Insulation resistsans at 26 °C			Overload		
Line					R>2000Mohm			1000V		
U ₁ - V ₁					Ambient: 20,0 °C			Volts 130 % 60s		
U ₁ - W ₁					0,0072 Ω			Amp 160 % 120s		
V ₁ - W ₁					0,0072 Ω			rpm 120 % 120s		
					High-voltage test winding			2400V 60s		
Test	Torque [Nm]	Line U[V]	f[Hz]	Input I[A]	P1[kW]	Output P2[kW]	n[r/min]	cos φ	η[%]	
No load test		400 D	50	44,4	1,20		989	0,04		
Locked rotor test		86 D	50	104,9	5,99		0	0,38		
Thermal test (100% load)	531,6	400 D	50	108,6	59,07	55,01	988	0,80	93,10	
Partial load points:										
~75% load	398,4	400 D	50	86,6	44,64	41,38	992	0,76	93,10	
~50%load	265,3	400 D	50	67,3	29,87	27,64	995	0,66	91,90	
~25%load	132,3	400 D	50	52,4	15,65	13,82	998	0,45	86,70	
Temperature rise at rated load.		[°C]		[K]	Method		Measurement method			
Stator winding ⁺ :				71,5	3		1 Resistance			
Frame :				18,3	3		2 Thermometer			
Bearing D-end :				35,6	3		3 Thermocouples			
Ambient Temperature :		25			3					
These tests have been carried out on motor no. 3G1S14461467505, on date 2014-09-30 which is identical in electrical design with the above.										
Manufactured in accordance with rules of IEC 60034-1 and IEC 60034-2-1. PLL determined from residual loss.										
On behalf of customer										
On behalf of manufacturer					Date of test					
Tested by ABB AB, LV Motors, 721 70 Västerås, Sweden							Telephone +46 (0)21 32 90 00			
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