



Type Test Report				Date of issue: 4.11.2015							
Customer ref.:				Serial No.:							
				Motor Type: M3AA 132 SMG 2 HO							
				Product Code: 3GAA131270-ADE							
Rating:				V	Hz	kW	r/min	A	η [%]	Duty	
3-Motor				690	Y 50	15,00	2905	15,80	0,84	S1	
Insul.cl.F				400	D 50	15,00	2905	28,50	0,84	S1	
IP55				460	D 60	15,00	3510	23,60	0,89	S1	
Eff class IE2				50Hz : IE2 - 90,4%(100%) - 90,8%(75%) - 90,0%(50%) 60Hz : IE2 - 90,7%(100%)							
Resistance				Insulation resistance at				Overload			
Line				R > 2000Mohm				1,0kV		Volts 130 % 60s	
U ₁ - V ₁				Ambient: 22,3 °C						Amp 160 % 120s	
U ₁ - W ₁				0,3685 Ω						rpm 120 % 120s	
V ₁ - W ₁				0,3663 Ω							
				0,3673 Ω				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 ρ	η [%]		
No load test		402 D	50	9,2	0,43		3000	0,07			
Locked rotor test		63 D	50	28,9	1,16			0,37			
Thermal test (100% load)	49,2	400 D	50	27,2	16,54	15,00	2910	0,88	90,67		
Partial load points:											
~75% load	36,6	400 D	50	21,1	12,29	11,25	2937	0,84	91,56		
~50% load	24,2	400 D	50	15,7	8,20	7,50	2961	0,75	91,49		
~25% load	12,0	400 D	50	11,4	4,26	3,75	2984	0,54	88,12		
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding ⁺ :				73,7	73,7	1		1 Resistance			
Frame :				63,8		2		2 Thermometer			
Bearing D-end :				65,9		2		3 Thermocouples			
Ambient Temperature :				22,8		2					
These tests have been carried out on motor no. 3GE122363P8220019, on date 2014-01-15 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			
							Telefax	+46 (0)21 32 90 22			

Computer print-out valid without signature.