



Type Test Report				Date of issue: 4.11.2015					
Customer ref.:				Serial No.:					
Rating:				Motor Type: M3AA 90 LB 6					
3~Motor				Product Code: 3GAA093520-ASE					
Insul.cl.F									
IP55									
Eff class IE2									
	V	Hz	kW	r/min	A	η [%]	Duty		
	400	Y 50	0,75	930	1,94	0,71	S1		
	230	D 50	0,75	930	3,41	0,71	S1		
	460	Y 60	0,75	1140	1,71	0,70	S1		
50Hz : IE2 - 77,6%(100%) - 78,6%(75%) - 76,4%(50%)									
60Hz : IE2 - 76,9%(100%)									
Resistance				Insulation resistance at		Overload			
Line	Ambient: 20,4 °C			R >	1000Mohm	0,0kV	Volts 130 % 60s		
U ₁ - V ₁	18,1300 Ω						Amp 160 % 120s		
U ₁ - W ₁	18,1300 Ω						rpm 120 % 120s		
V ₁ - W ₁	18,1400 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		400 D	50	1,3	0,08		1000	0,09	
Locked rotor test		122 D	50	2,1	0,25			0,58	
Thermal test (100% load)	7,8	400 D	50	2,0	0,97	0,75	924	0,71	77,20
Partial load points:									
~75% load	5,7	400 D	50	1,7	0,72	0,56	948	0,62	78,50
~50%load	3,7	400 D	50	1,5	0,49	0,38	967	0,49	76,60
~25%load	1,8	400 D	50	1,3	0,28	0,19	984	0,31	66,80
Temperature rise at rated load.			°C	K	Method	Measurement method			
Stator winding ⁺ :			42,1	42,1	1	1 Resistance			
Frame :			48,9		2	2 Thermometer			
Bearing D-end :			44,4		2	3 Thermocouples			
Ambient Temperature :			20,8		2				
These tests have been carried out on motor no. 3GE12750092046, on date 2013-12-18 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		

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