



Type Test Report				Date of issue: 24.8.2015					
Customer ref.:				Serial No.:					
Rating:				Motor Type: M3BP 250SMA 2 Product Code: 3GBP251210-ADG					
3-Motor		V	Hz	kW	r/min	A	η [%]	Duty	
Insul.cl.F		690	Y	50	55,00	2967	55,50	0,88 S1	
IP55		400	D	50	55,00	2967	95,80	0,88 S1	
		415	D	50	55,00	2970	93,20	0,87 S1	
		440	D	60	55,00	3568	87,20	0,88 S1	
		460	D	60	55,00	3571	83,20	0,88 S1	
Eff class IE2		50Hz : IE2 - 94,1%(100%) - 94,4%(75%) - 93,8%(50%) 60Hz : IE3 - 94,0%(100%)							
Resistance Line		Ambient: 21,4 °C 0,0580 Ω			Insulation resists at 26 °C R>2000Mohm 1000V		Overload Current 150 % 120s Torque 160 % 15s Speed 120 % 120s		
					High-voltage test winding 2400V 60s				
Test	Torque [Nm]	Line U[V]	f[Hz]	Input I[A]	P1[kW]	Output P2[kW]	η [r/min]	cos ρ	η [%]
No load test		400	D	50	23,9	1,44	3000	0,09	
Locked rotor test		72	D	50	99,0	4,31	0	0,35	
Thermal test (100% load)		400	D	50	95,5	58,27	55,01	2967	0,88 94,46
Partial load points:									
~75% load		400	D	50	99,0	60,65	56,90	2965	93,81
~50% load		400	D	50	94,6	57,87	54,34	2967	93,90
~25% load		400	D	50	89,2	54,36	51,10	2969	94,00
Temperature rise at rated load.				°C	K	Method		Measurement method	
Stator winding ⁺ :				63,8		1		1 Resistance	
Frame :				62,0		2		2 Thermometer	
Bearing D-end :				56,1		2		3 Thermocouples	
Ambient Temperature :				23		2			
These tests have been carried out on motor no. 0872811210001, on date 2008-10-10 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.

ABB, Motors and Generators
www.abb.com/motors&generators