



Type Test Report					Cert. No. M-file ref.:							
Customer:					Date of Issue							
Customer ref.:					Type: M2BAT280SMA 4 B3							
Rating: 3~Motor					Product Code 3GBA 282 210 – ADD							
					V	Hz	kW	r/min	A	cos φ	IA/IN	T _E [s]
Insul.cl. F					690 Y	50	75	1483	80	0.83		
S1					400 D	50	75	1483	138	0.83		
IP 55					660 Y	50	75	1480	82	0.85		
560 kg					380 D	50	75	1480	143	0.85		
					415 D	50	75	1484	137	0.82		
					440 D	60	86	1779	141	0.86		
Resistance				Insulation resistance				Overload test				
U ₁ -V ₁ 0,0753Ω 23,7 °C				> 20000 MΩ 1000 V				1,6 x T _N 15 s				
U ₁ -W ₁ 0,0753 "				23,7 °C								
V ₁ -W ₁ 0,0755 "				High-voltage test								
				2400 V 60 s								
Test		Line		Input		Output						
		U[V]	f[Hz]	I[A]	P ₁ [kW]	P ₂ [Kw]	N[r/min]	cos φ	η [%]			
No-load test		400,0 D	50	51,7	1,950			0,0544				
Locked-rotor test		42,0 D	50	67,0	1,290			0,2647				
Temperature-rise test		400,0 D	50	137,0	79,721	75,0	1482	0,840	94,08			
Temperature rise at amb.temp. 21 °C				Temperature rise at amb. temp. 21 °C				Measurement method				
Pole [K] Method				Pole [K] Method				1 Resistance				
Stator winding 69,0 1				Frame 30,0 2				2 Thermometer				
				Bearing D-end 43,0 2				3 Thermocouples				
Manufactured and tested in accordance with rules of IEC 34-1.												
On behalf of customer												
On behalf of manufacturer					Date of test		2002-08-21					
Tested by ABB Oy, LV Motors/Vaasa												

Computer print-out valid without signature