



Type Test Report						Cert. No.		M-file ref.:	
Customer:						Date of Issue		Type: M2BAT 280SMB 4 B3	
Customer ref.:						Serial no.: 4681		Order no.:	
Rating: 3~Motor		Product Code 3GBA 282 220 – ADD							
		V	Hz	kW	r/min	A	cos φ	IA/IN	T _E [s]
Insul.cl. F		690 Y	50	90	1481	94	0.86		
S1		400 D	50	90	1481	162	0.86		
IP 55		660 Y	50	90	1478	98	0.86		
600 kg		380 D	50	90	1478	169	0.86		
		415 D	50	90	1483	157	0.85		
		440 D	60	102	1778	166	0.86		
Resistance			Insulation resistance			Overload test			
U ₁ -V ₁ 0,0614Ω 30,4 °C			> 20000 MΩ 1000 V			1,6 x T _N 15 s			
U ₁ -W ₁ 0,0614 "			30,4 °C						
V ₁ -W ₁ 0,0615 "			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	50,1	2,055			0,0592	
Locked-rotor test		42,0 D	50	75,5	1,450			0,2640	
Temperature-rise test		400,0 D	50	162,1	95,634	90,0	1480	0,852	94,11
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 74,0 1			Frame 29,0 2			2 Thermometer			
			Bearing D-end 44,0 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		2002-08-02			
Tested by ABB Oy, LV Motors/Vaasa									

Computer print-out valid without signature