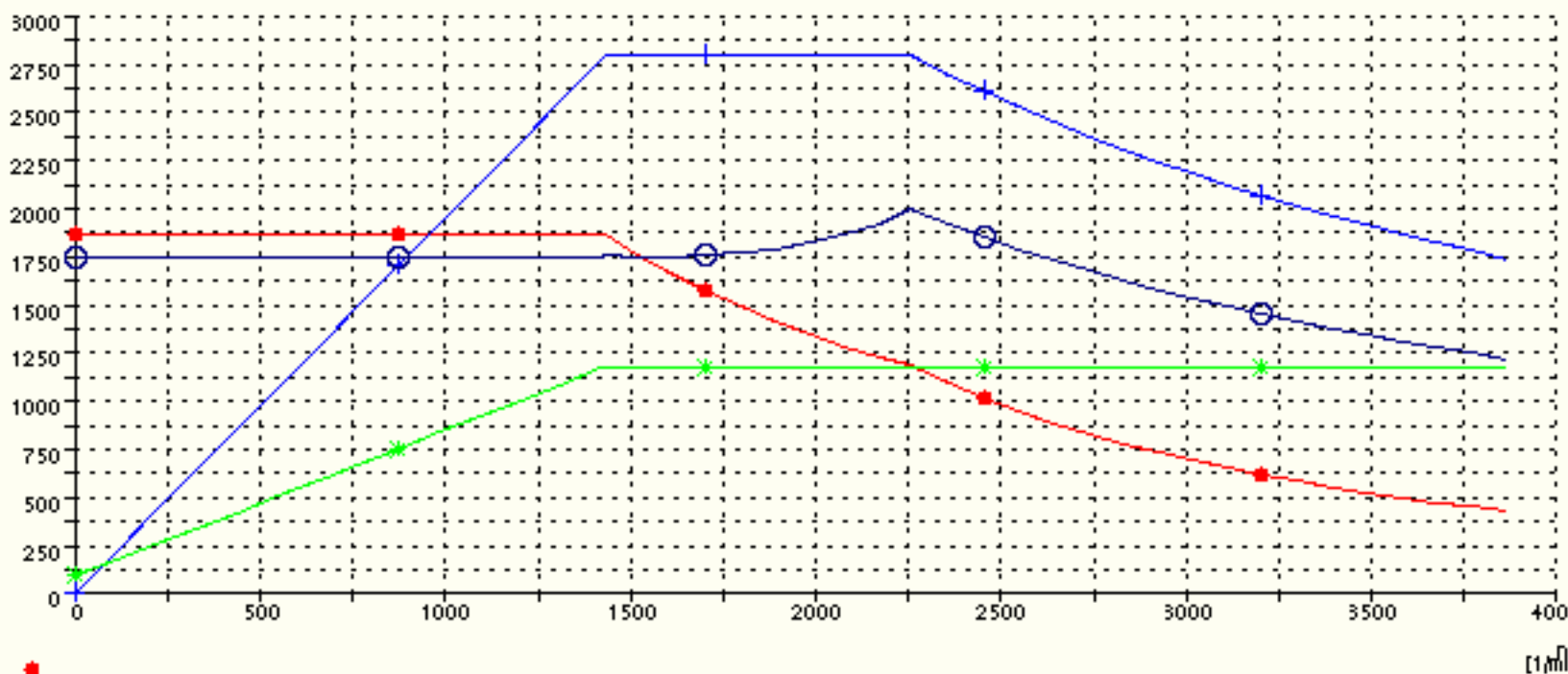


Fahrkennlinien 2

I1 [A]	U1 [V]	P2 [kW]	T [Nm]
300	3000	300	3000
275	2750	275	2750
250	2500	250	2500
225	2250	225	2250
200	2000	200	2000
175	1750	175	1750
150	1500	150	1500
125	1250	125	1250
100	1000	100	1000
75	750	75	750
50	500	50	500
25	250	25	250
0	0	0	0

Current, Voltage, Power, Torque



Traction Motor: 4 EBA 3542
Project: FGC Catalunya

Temperatures

Stator [C]: 150 Rotor [C]: 150

Nominal values

U1 [V]: 1170	Ud [V]: 1500
I1 [A]: 107	P2 [kW]: 180
T [Nm]: 977	n [1/min]: 1758
Eff [%]: 93.1	Cos [-]: 0.892
f1 [Hz]: 60.0	f2 [Hz]: 1.43

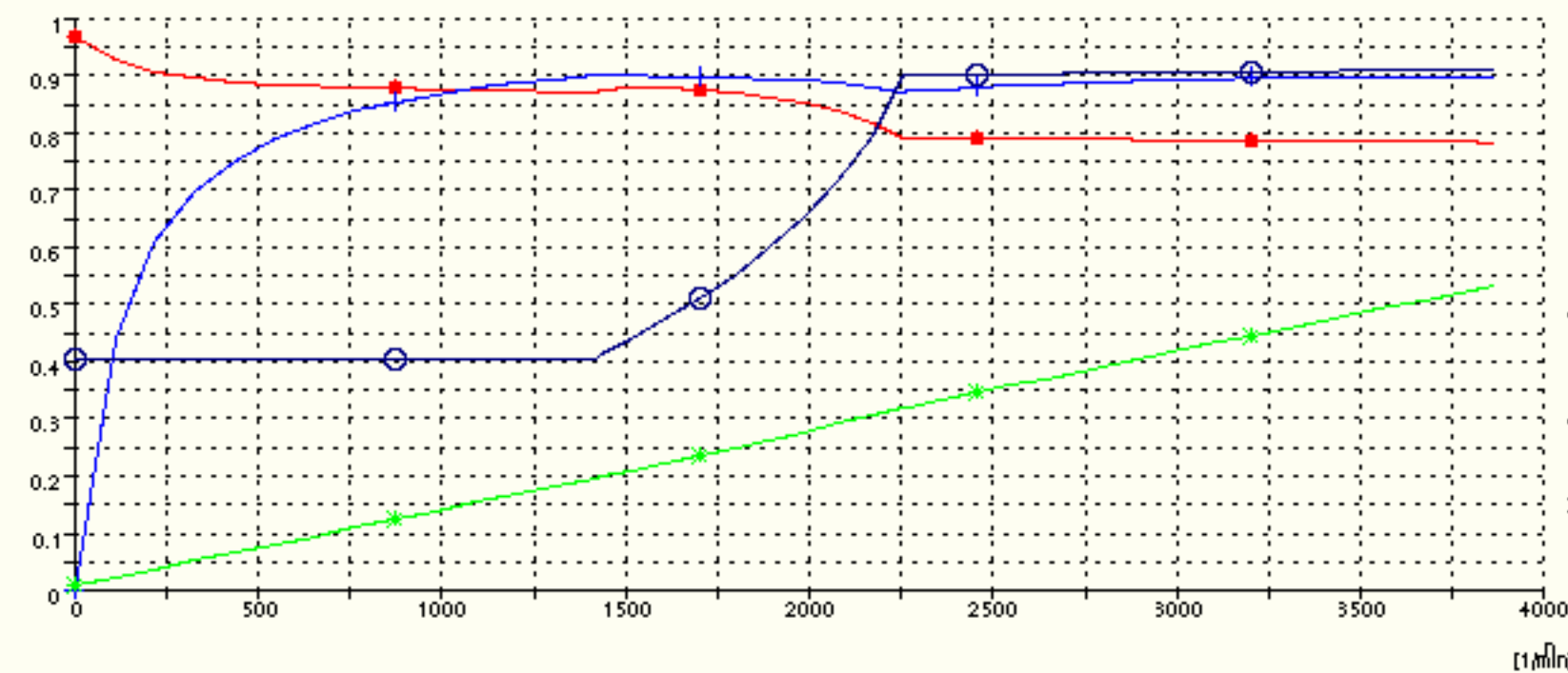
Peak values

U1 [V]: 1170
I1 [A]: 200
P2 [kW]: 280
T [Nm]: 1865
n [1/min]: 3864
f1 [Hz]: 133.4

Link voltage
Ud [V]: 1500

F2 [Hz]	F1 [Hz]	Eff [%]	Cos
5	250	100	
4.5	225	90	
4	200	80	
3.5	175	70	
3	150	60	
2.5	125	50	
2	100	40	
1.5	75	30	
1	50	20	
0.5	25	10	
0	0	0	

Rotor Frequency, Stator Frequency, Efficiency, Power Factor



Revision: b) 1995-07-20

Date: 1992-03-16 Thür

Visa:

ABB Daimler-Benz Transportation
SDU Drive System

3EHM426518