

n [RPM]

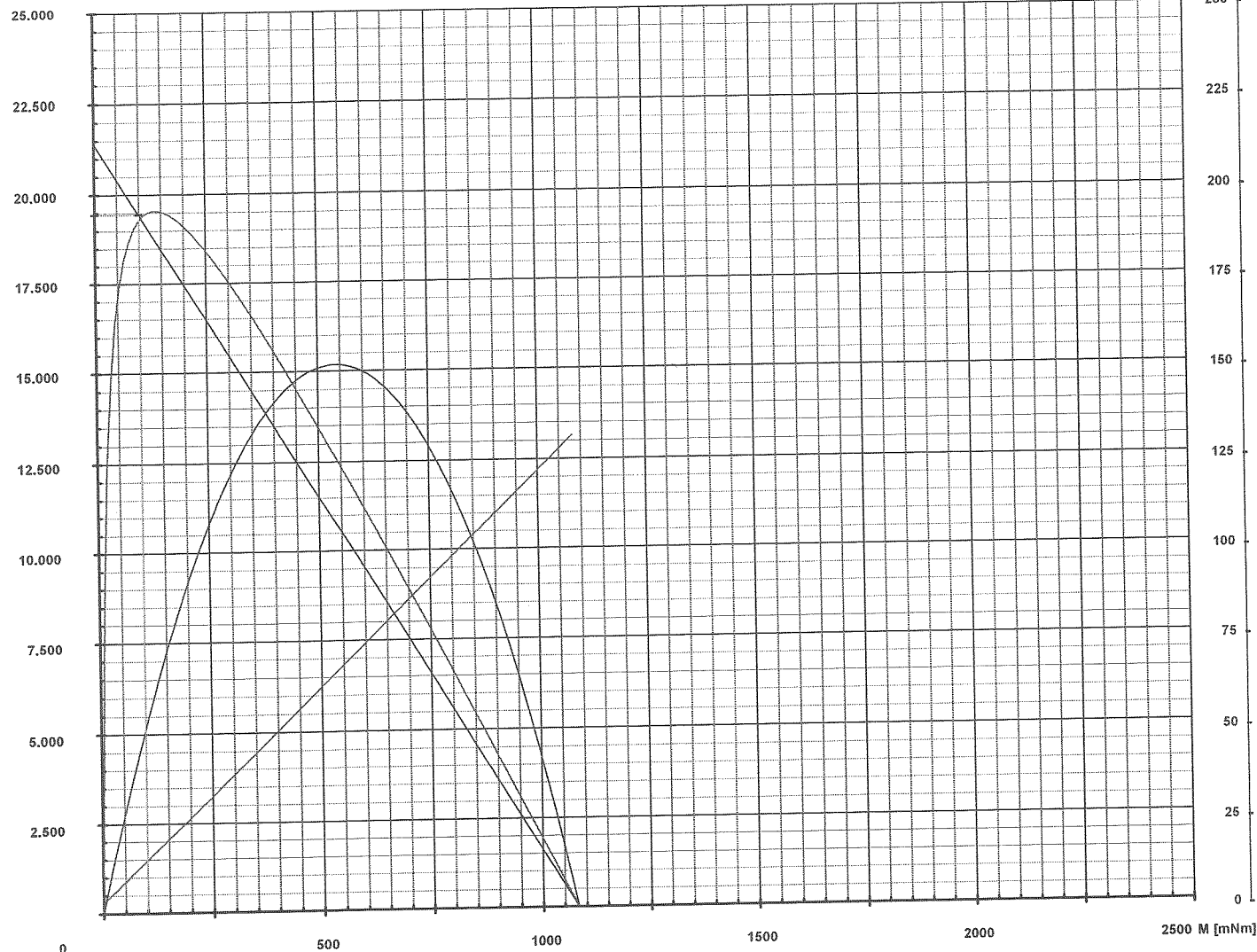


Project-No.
Motor type - code
Customer / Supplier

95D236
HC885G

SOF / Lot-Code
Sample-No.
Date

29.06.2006



I [A] Pout [W] η [%]

250	1000	100
225	900	90
200	800	80
175	700	70
150	600	60
125	500	50
100	400	40
75	300	30
50	200	20
25	100	10
0	0	0

Performance curve

Ambient temperature	25 °C
Test voltage	18,00 V
Circuit resistance	0 Ω
Winding	90-14
Direction of rotation	CCW

At no load

Speed	21.420 RPM
Current	2,75 A

At stall (extrapolated)

Stall torque	1082,47 mNm
Current	131,66 A

At max. efficiency

Efficiency	78,22 %
Speed	18.715 RPM
Current	19,03 A
Torque	136,69 mNm
Output power	267,89 W

At max. output power

Output power	607,02 W
Speed	10,710 RPM
Current	67,20 A
Torque	541,24 mNm
Efficiency	50,18 %

At torque load of

Speed	19,441 RPM
Current	14,66 A
Output power	203,59 W
Efficiency	77,16 %

Characteristic parameters

Speed / torque gradient	19,79 RPM/mNm
Torque constant	8,40 mNm/A
Terminal resistance	0,137 Ω
Friction torque at no load	23,093 mNm

Additional information

Operator