

High End Elektromotoren

PLETTENBERG

NOVA 15/40/6 P42

Spannung: 60 V

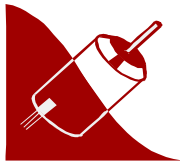
$n_l=4417.1\text{U/min}$
 $n_s=75.6\text{U/min/V}$

$I_o=4,5\text{A}$
 $k_n=-12.51\text{U/min/A}$

$k_M=16.14\text{Ncm/A}$

Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Drehmoment [Ncm]	Wirkungsgrad [%]
59.8	20.0	4356.5	1195.8	826.5	181.2	69.12
59.8	22.0	4321.4	1315.2	965.9	213.4	73.44
59.8	24.0	4286.8	1434.6	1103.1	245.7	76.89
59.8	26.0	4252.6	1554.0	1238.0	278.0	79.67
59.8	28.0	4218.8	1673.3	1370.8	310.3	81.92
59.8	30.0	4185.5	1792.7	1501.4	342.6	83.75
59.7	32.0	4152.5	1912.0	1630.0	374.8	85.25
59.7	34.0	4120.0	2031.2	1756.4	407.1	86.47
59.7	36.0	4087.9	2150.4	1880.9	439.4	87.47
59.7	38.0	4056.2	2269.6	2003.5	471.7	88.27
59.7	40.0	4025.0	2388.8	2124.1	503.9	88.92
59.7	42.0	3994.1	2508.0	2242.8	536.2	89.43
59.7	44.0	3963.7	2627.1	2359.7	568.5	89.82
59.7	46.0	3933.7	2746.2	2474.8	600.8	90.12
59.7	48.0	3904.2	2865.2	2588.2	633.1	90.33
59.7	50.0	3875.0	2984.3	2699.8	665.3	90.47
59.7	52.0	3846.3	3103.3	2809.8	697.6	90.54
59.7	54.0	3818.0	3222.3	2918.2	729.9	90.56
59.7	56.0	3790.1	3341.2	3025.0	762.2	90.54
59.7	58.0	3762.6	3460.1	3130.3	794.4	90.47
59.7	60.0	3735.6	3579.0	3234.0	826.7	90.36
59.6	62.0	3709.0	3697.9	3336.4	859.0	90.22
59.6	64.0	3682.8	3816.7	3437.3	891.3	90.06
59.6	66.0	3657.0	3935.6	3536.8	923.5	89.87
59.6	68.0	3631.7	4054.3	3635.1	955.8	89.66
59.6	70.0	3606.7	4173.1	3732.0	988.1	89.43
59.6	72.0	3582.2	4291.8	3827.7	1020.4	89.19
59.6	74.0	3558.1	4410.5	3922.3	1052.7	88.93
59.6	76.0	3534.4	4529.2	4015.6	1084.9	88.66
59.6	78.0	3511.2	4647.8	4107.9	1117.2	88.38
59.6	80.0	3488.4	4766.5	4199.1	1149.5	88.10
59.6	82.0	3466.0	4885.0	4289.3	1181.8	87.80

59.6	84.0	3444.0	5003.6	4378.5	1214.0	87.51
59.6	86.0	3422.4	5122.1	4466.8	1246.3	87.20
59.6	88.0	3401.3	5240.6	4554.1	1278.6	86.90
59.5	90.0	3380.6	5359.1	4640.7	1310.9	86.59
59.5	92.0	3360.3	5477.6	4726.4	1343.2	86.29
59.5	94.0	3340.4	5596.0	4811.3	1375.4	85.98
59.5	96.0	3320.9	5714.4	4895.6	1407.7	85.67
59.5	98.0	3301.9	5832.8	4979.1	1440.0	85.36
59.5	100.0	3283.3	5951.1	5062.0	1472.3	85.06
59.5	102.0	3265.1	6069.4	5144.3	1504.5	84.76
59.5	104.0	3247.3	6187.7	5226.1	1536.8	84.46
59.5	106.0	3230.0	6305.9	5307.4	1569.1	84.16
59.5	108.0	3213.1	6424.2	5388.1	1601.4	83.87
59.5	110.0	3196.6	6542.4	5468.5	1633.6	83.59
59.5	112.0	3180.5	6660.5	5548.5	1665.9	83.30
59.5	114.0	3164.8	6778.7	5628.2	1698.2	83.03
59.5	116.0	3149.6	6896.8	5707.5	1730.5	82.76
59.4	118.0	3134.7	7014.9	5786.6	1762.8	82.49
59.4	120.0	3120.4	7132.9	5865.5	1795.0	82.23



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$n_l=4417.1\text{U/min}$
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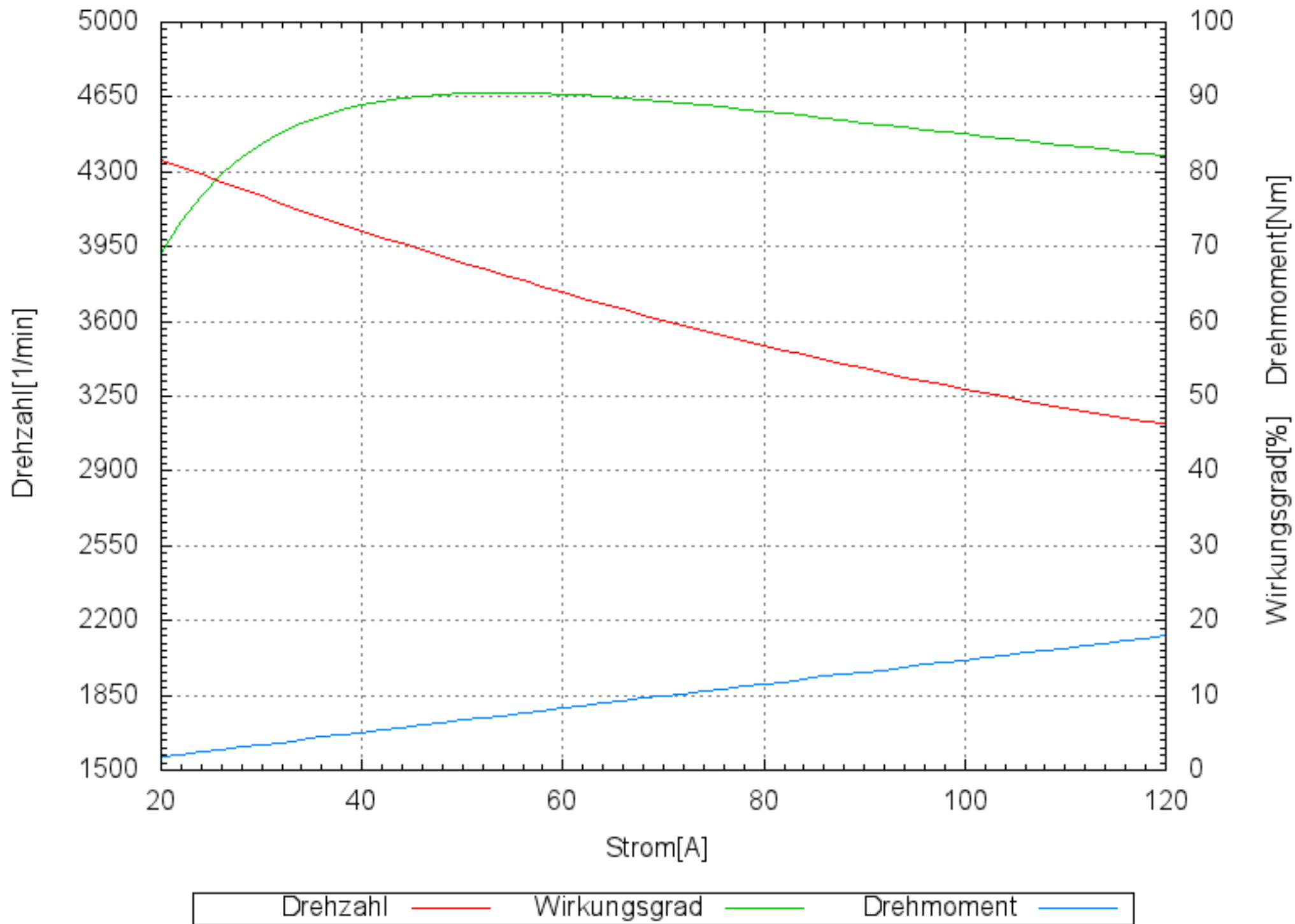
$I_o=4,5\text{A}$
 $k_n=-12.51\text{U/min/A}$

$k_M=16.14\text{Ncm/A}$

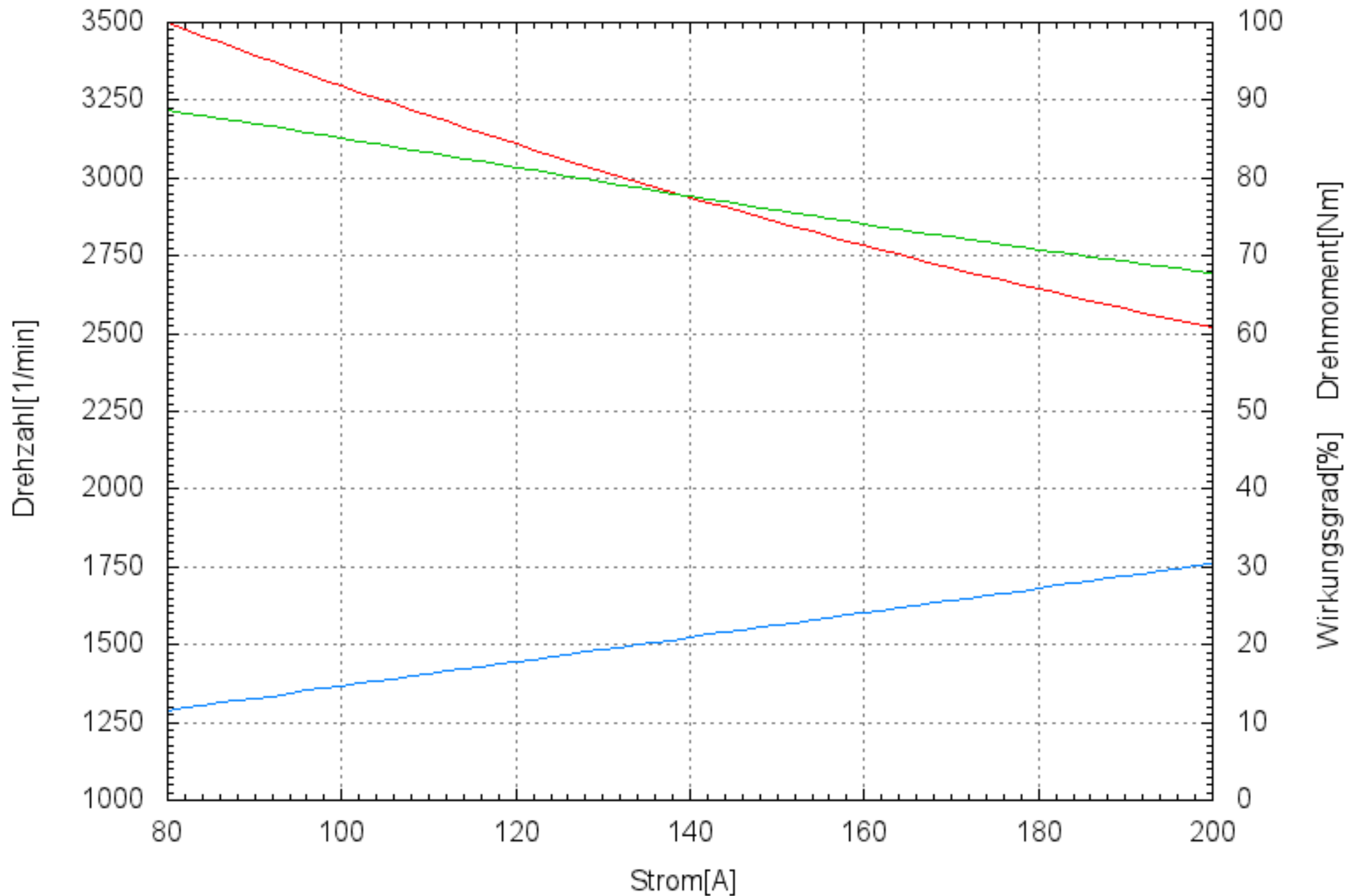
Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Drehmoment [Ncm]	Wirkungsgrad [%]
59.6	80.0	3497.8	4767.4	4226.8	1154.0	88.66
59.6	82.0	3476.9	4885.9	4315.9	1185.4	88.33
59.6	84.0	3456.1	5004.4	4403.8	1216.8	88.00
59.6	86.0	3435.5	5122.8	4490.6	1248.2	87.66
59.6	88.0	3415.1	5241.2	4576.2	1279.6	87.31
59.6	90.0	3394.8	5359.6	4660.7	1311.0	86.96
59.5	92.0	3374.7	5477.9	4744.1	1342.4	86.60
59.5	94.0	3354.8	5596.2	4826.4	1373.8	86.24
59.5	96.0	3335.0	5714.5	4907.6	1405.2	85.88
59.5	98.0	3315.3	5832.7	4987.7	1436.6	85.51
59.5	100.0	3295.8	5950.9	5066.8	1468.1	85.14
59.5	102.0	3276.5	6069.1	5144.8	1499.5	84.77
59.5	104.0	3257.3	6187.2	5221.8	1530.9	84.40
59.5	106.0	3238.3	6305.3	5297.8	1562.3	84.02
59.5	108.0	3219.4	6423.3	5372.8	1593.7	83.65
59.5	110.0	3200.7	6541.4	5446.9	1625.1	83.27
59.5	112.0	3182.1	6659.4	5520.0	1656.5	82.89
59.5	114.0	3163.7	6777.3	5592.1	1687.9	82.51
59.4	116.0	3145.5	6895.3	5663.3	1719.3	82.13
59.4	118.0	3127.4	7013.1	5733.6	1750.7	81.75
59.4	120.0	3109.4	7131.0	5803.0	1782.1	81.38
59.4	122.0	3091.6	7248.8	5871.5	1813.5	81.00
59.4	124.0	3074.0	7366.6	5939.1	1845.0	80.62
59.4	126.0	3056.5	7484.4	6005.9	1876.4	80.25
59.4	128.0	3039.2	7602.1	6071.8	1907.8	79.87
59.4	130.0	3022.1	7719.8	6136.9	1939.2	79.50
59.4	132.0	3005.1	7837.5	6201.2	1970.6	79.12
59.4	134.0	2988.2	7955.1	6264.7	2002.0	78.75
59.4	136.0	2971.5	8072.7	6327.5	2033.4	78.38
59.3	138.0	2955.0	8190.2	6389.5	2064.8	78.01
59.3	140.0	2938.6	8307.8	6450.7	2096.2	77.65
59.3	142.0	2922.4	8425.2	6511.2	2127.6	77.28

59.3	144.0	2906.3	8542.7	6571.0	2159.0	76.92
59.3	146.0	2890.4	8660.1	6630.0	2190.4	76.56
59.3	148.0	2874.6	8777.5	6688.4	2221.9	76.20
59.3	150.0	2859.0	8894.9	6746.2	2253.3	75.84
59.3	152.0	2843.6	9012.2	6803.2	2284.7	75.49
59.3	154.0	2828.3	9129.5	6859.7	2316.1	75.14
59.3	156.0	2813.1	9246.7	6915.5	2347.5	74.79
59.3	158.0	2798.2	9364.0	6970.7	2378.9	74.44
59.3	160.0	2783.3	9481.1	7025.3	2410.3	74.10
59.2	162.0	2768.7	9598.3	7079.3	2441.7	73.76
59.2	164.0	2754.1	9715.4	7132.8	2473.1	73.42
59.2	166.0	2739.8	9832.5	7185.7	2504.5	73.08
59.2	168.0	2725.6	9949.6	7238.1	2535.9	72.75
59.2	170.0	2711.5	10066.6	7290.0	2567.4	72.42
59.2	172.0	2697.6	10183.6	7341.4	2598.8	72.09
59.2	174.0	2683.9	10300.5	7392.3	2630.2	71.77
59.2	176.0	2670.3	10417.4	7442.7	2661.6	71.44
59.2	178.0	2656.9	10534.3	7492.7	2693.0	71.13
59.2	180.0	2643.6	10651.2	7542.2	2724.4	70.81
59.2	182.0	2630.5	10768.0	7591.3	2755.8	70.50
59.2	184.0	2617.5	10884.8	7640.0	2787.2	70.19
59.1	186.0	2604.7	11001.5	7688.3	2818.6	69.88
59.1	188.0	2592.1	11118.2	7736.2	2850.0	69.58
59.1	190.0	2579.6	11234.9	7783.8	2881.4	69.28
59.1	192.0	2567.3	11351.6	7831.0	2912.8	68.99
59.1	194.0	2555.1	11468.2	7877.9	2944.3	68.69
59.1	196.0	2543.1	11584.8	7924.4	2975.7	68.40
59.1	198.0	2531.2	11701.3	7970.7	3007.1	68.12
59.1	200.0	2519.5	11817.8	8016.7	3038.5	67.84

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Drehzahl — Wirkungsgrad — Drehmoment