

NOVA 15/40/B6 P42

Spannung: 45 V

nl=3464.7U/min
ns=79.3U/min/V

Io=4,1A
kn=-11.95U/min/A

kM=15.36Ncm/A

Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Drehmoment [Ncm]	Wirkungsgrad [%]
44.8	20.0	3344.5	895.7	658.7	188.1	73.54
44.8	22.0	3315.2	985.2	759.6	218.8	77.11
44.8	24.0	3286.2	1074.6	858.7	249.5	79.91
44.8	26.0	3257.7	1164.0	956.0	280.2	82.14
44.8	28.0	3229.6	1253.4	1051.7	311.0	83.91
44.8	30.0	3201.8	1342.7	1145.6	341.7	85.32
44.8	32.0	3174.4	1432.1	1238.0	372.4	86.45
44.7	34.0	3147.4	1521.4	1328.7	403.1	87.33
44.7	36.0	3120.8	1610.7	1417.9	433.8	88.03
44.7	38.0	3094.6	1700.0	1505.5	464.6	88.56
44.7	40.0	3068.8	1789.2	1591.7	495.3	88.96
44.7	42.0	3043.4	1878.5	1676.4	526.0	89.24
44.7	44.0	3018.3	1967.7	1759.7	556.7	89.43
44.7	46.0	2993.7	2056.9	1841.6	587.5	89.54
44.7	48.0	2969.4	2146.0	1922.2	618.2	89.57
44.7	50.0	2945.5	2235.2	2001.5	648.9	89.55
44.7	52.0	2922.0	2324.3	2079.5	679.6	89.47
44.7	54.0	2898.9	2413.4	2156.4	710.3	89.35
44.7	56.0	2876.1	2502.5	2232.0	741.1	89.19
44.7	58.0	2853.8	2591.6	2306.4	771.8	89.00
44.7	60.0	2831.8	2680.6	2379.8	802.5	88.78
44.7	62.0	2810.3	2769.6	2452.1	833.2	88.54
44.7	64.0	2789.1	2858.6	2523.3	863.9	88.27
44.7	66.0	2768.3	2947.6	2593.6	894.7	87.99
44.7	68.0	2747.9	3036.5	2662.8	925.4	87.69
44.6	70.0	2727.9	3125.5	2731.2	956.1	87.39
44.6	72.0	2708.2	3214.4	2798.7	986.8	87.07
44.6	74.0	2689.0	3303.2	2865.3	1017.5	86.74
44.6	76.0	2670.1	3392.1	2931.1	1048.3	86.41
44.6	78.0	2651.6	3480.9	2996.1	1079.0	86.07
44.6	80.0	2633.5	3569.8	3060.4	1109.7	85.73
44.6	82.0	2615.8	3658.6	3124.0	1140.4	85.39

44.6	84.0	2598.5	3747.3	3186.9	1171.1	85.04
44.6	86.0	2581.6	3836.1	3249.2	1201.9	84.70
44.6	88.0	2565.1	3924.8	3310.9	1232.6	84.36
44.6	90.0	2548.9	4013.5	3372.0	1263.3	84.02
44.6	92.0	2533.1	4102.2	3432.7	1294.0	83.68
44.6	94.0	2517.8	4190.9	3492.8	1324.7	83.34
44.6	96.0	2502.8	4279.5	3552.5	1355.5	83.01
44.6	98.0	2488.2	4368.2	3611.8	1386.2	82.69
44.6	100.0	2473.9	4456.8	3670.8	1416.9	82.36
44.6	102.0	2460.1	4545.4	3729.4	1447.6	82.05
44.6	104.0	2446.7	4633.9	3787.7	1478.3	81.74
44.6	106.0	2433.6	4722.5	3845.8	1509.1	81.44
44.5	108.0	2420.9	4811.0	3903.6	1539.8	81.14
44.5	110.0	2408.6	4899.5	3961.3	1570.5	80.85
44.5	112.0	2396.7	4987.9	4018.9	1601.2	80.57
44.5	114.0	2385.2	5076.4	4076.3	1631.9	80.30
44.5	116.0	2374.1	5164.8	4133.6	1662.7	80.03
44.5	118.0	2363.4	5253.2	4191.0	1693.4	79.78
44.5	120.0	2353.0	5341.6	4248.3	1724.1	79.53

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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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Spannung: 60 V

nl=4417.1U/min
ns=75.6U/min/V

Io=4,5A
kn=-12.51U/min/A

kM=16.14Ncm/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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Spannung: 80 V

nl=5595.5U/min
ns=72,4U/min/V

Io=5,1A
kn=-12.53U/min/A

kM=16.56Ncm/A

Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Drehmoment [Ncm]	Wirkungsgrad [%]
79.3	40.0	5369.3	3173.8	2574.8	457.9	81.13
79.3	45.0	5279.6	3570.1	2989.5	540.7	83.74
79.3	50.0	5192.1	3966.2	3390.1	623.5	85.48
79.3	55.0	5106.8	4362.2	3777.2	706.3	86.59
79.3	60.0	5023.6	4758.1	4151.2	789.1	87.25
79.3	65.0	4942.7	5153.9	4512.9	871.9	87.56
79.3	70.0	4863.9	5549.6	4862.6	954.7	87.62
79.3	75.0	4787.3	5945.1	5201.1	1037.5	87.49
79.3	80.0	4712.9	6340.6	5528.9	1120.3	87.20
79.2	85.0	4640.7	6735.9	5846.5	1203.1	86.80
79.2	90.0	4570.6	7131.2	6154.6	1285.9	86.30
79.2	95.0	4502.8	7526.3	6453.6	1368.7	85.75
79.2	100.0	4437.1	7921.3	6744.1	1451.4	85.14
79.2	105.0	4373.6	8316.2	7026.8	1534.2	84.50
79.2	110.0	4312.3	8711.0	7302.2	1617.0	83.83
79.2	115.0	4253.2	9105.7	7570.9	1699.8	83.14
79.2	120.0	4196.2	9500.3	7833.3	1782.6	82.45
79.2	125.0	4141.5	9894.7	8090.2	1865.4	81.76
79.1	130.0	4088.9	10289.1	8342.0	1948.2	81.08
79.1	135.0	4038.5	10683.3	8589.3	2031.0	80.40
79.1	140.0	3990.3	11077.5	8832.7	2113.8	79.74
79.1	145.0	3944.3	11471.5	9072.8	2196.6	79.09
79.1	150.0	3900.4	11865.4	9310.2	2279.4	78.47
79.1	155.0	3858.8	12259.2	9545.3	2362.2	77.86
79.1	160.0	3819.3	12652.9	9778.8	2445.0	77.29
79.1	165.0	3782.0	13046.4	10011.3	2527.8	76.74
79.1	170.0	3746.9	13439.9	10243.2	2610.6	76.21
79.0	175.0	3714.0	13833.3	10475.2	2693.3	75.72
79.0	180.0	3683.3	14226.5	10707.9	2776.1	75.27
79.0	185.0	3654.7	14619.6	10941.7	2858.9	74.84
79.0	190.0	3628.3	15012.7	11177.4	2941.7	74.45
79.0	195.0	3604.2	15405.6	11415.4	3024.5	74.10
79.0	200.0	3582.2	15798.4	11656.3	3107.3	73.78

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Spannung: 90 V

$n_l=6259.0\text{U/min}$
 $n_s=71,6\text{U/min/V}$

$I_o=5,4\text{A}$
 $k_n=-13,52\text{U/min/A}$

$k_M=16.20\text{Ncm/A}$

Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Drehmoment [Ncm]	Wirkungsgrad [%]
89.4	40.0	6011.9	3576.7	2927.4	465.0	81.85
89.4	45.0	5918.2	4023.2	3383.6	546.0	84.10
89.4	50.0	5826.4	4469.7	3825.2	626.9	85.58
89.4	55.0	5736.7	4916.0	4252.8	707.9	86.51
89.4	60.0	5648.8	5362.2	4666.7	788.9	87.03
89.4	65.0	5563.0	5808.4	5067.5	869.9	87.24
89.3	70.0	5479.1	6254.3	5455.7	950.9	87.23
89.3	75.0	5397.1	6700.2	5831.7	1031.8	87.04
89.3	80.0	5317.1	7146.0	6196.2	1112.8	86.71
89.3	85.0	5239.1	7591.6	6549.5	1193.8	86.27
89.3	90.0	5163.0	8037.2	6892.2	1274.8	85.75
89.3	95.0	5088.8	8482.6	7224.8	1355.7	85.17
89.3	100.0	5016.7	8927.9	7547.7	1436.7	84.54
89.3	105.0	4946.5	9373.1	7861.5	1517.7	83.87
89.3	110.0	4878.2	9818.2	8166.7	1598.7	83.18
89.2	115.0	4811.9	10263.1	8463.8	1679.7	82.47
89.2	120.0	4747.6	10708.0	8753.2	1760.6	81.74
89.2	125.0	4685.2	11152.7	9035.5	1841.6	81.02
89.2	130.0	4624.7	11597.4	9311.1	1922.6	80.29
89.2	135.0	4566.3	12041.9	9580.6	2003.6	79.56
89.2	140.0	4509.7	12486.3	9844.4	2084.5	78.84
89.2	145.0	4455.2	12930.5	10103.1	2165.5	78.13
89.2	150.0	4402.6	13374.7	10357.1	2246.5	77.44
89.2	155.0	4351.9	13818.7	10607.0	2327.5	76.76
89.1	160.0	4303.2	14262.7	10853.3	2408.5	76.10
89.1	165.0	4256.5	14706.5	11096.3	2489.4	75.45
89.1	170.0	4211.7	15150.2	11336.7	2570.4	74.83
89.1	175.0	4168.9	15593.8	11575.0	2651.4	74.23
89.1	180.0	4128.0	16037.3	11811.6	2732.4	73.65
89.1	185.0	4089.1	16480.6	12047.0	2813.3	73.10
89.1	190.0	4052.2	16923.9	12281.8	2894.3	72.57
89.1	195.0	4017.2	17367.0	12516.3	2975.3	72.07
89.1	200.0	3984.1	17810.0	12751.2	3056.3	71.60