

NOVA 15/50/B4 P42

Spannung: 40 V

$n_l=3497.4\text{U/min}$
 $n_s=89.6\text{U/min/V}$

$I_o=4.0\text{A}$
 $k_n=-6.99\text{U/min/A}$

$k_M=13.10\text{Ncm/A}$

Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Drehmoment [Ncm]	Wirkungsgrad [%]
39.9	50.0	3281.7	1993.7	1629.3	474.1	81.72
39.9	52.0	3264.7	2073.0	1710.5	500.3	82.51
39.9	54.0	3247.8	2152.3	1790.7	526.5	83.20
39.8	56.0	3231.0	2231.5	1870.1	552.7	83.81
39.8	58.0	3214.3	2310.7	1948.6	578.9	84.33
39.8	60.0	3197.7	2389.8	2026.3	605.1	84.79
39.8	62.0	3181.1	2468.9	2103.0	631.3	85.18
39.8	64.0	3164.6	2548.0	2179.0	657.5	85.52
39.8	66.0	3148.2	2627.1	2254.0	683.7	85.80
39.8	68.0	3131.9	2706.1	2328.3	709.9	86.04
39.8	70.0	3115.7	2785.1	2401.7	736.1	86.24
39.8	72.0	3099.5	2864.0	2474.3	762.3	86.39
39.8	74.0	3083.5	2942.9	2546.1	788.5	86.52
39.8	76.0	3067.5	3021.8	2617.0	814.7	86.61
39.8	78.0	3051.6	3100.6	2687.2	840.9	86.67
39.7	80.0	3035.7	3179.4	2756.5	867.1	86.70
39.7	82.0	3020.0	3258.2	2825.1	893.3	86.71
39.7	84.0	3004.3	3336.9	2892.9	919.5	86.69
39.7	86.0	2988.8	3415.6	2959.9	945.7	86.66
39.7	88.0	2973.3	3494.3	3026.1	971.9	86.60
39.7	90.0	2957.9	3572.9	3091.5	998.1	86.53
39.7	92.0	2942.5	3651.5	3156.3	1024.3	86.44
39.7	94.0	2927.3	3730.0	3220.2	1050.5	86.33
39.7	96.0	2912.1	3808.6	3283.4	1076.7	86.21
39.7	98.0	2897.0	3887.1	3345.9	1102.9	86.08
39.7	100.0	2882.0	3965.5	3407.6	1129.1	85.93
39.6	102.0	2867.1	4043.9	3468.6	1155.3	85.77
39.6	104.0	2852.3	4122.3	3528.9	1181.5	85.61
39.6	106.0	2837.5	4200.6	3588.5	1207.7	85.43
39.6	108.0	2822.8	4279.0	3647.4	1233.9	85.24
39.6	110.0	2808.2	4357.2	3705.6	1260.1	85.04
39.6	112.0	2793.7	4435.5	3763.1	1286.3	84.84

39.6	114.0	2779.3	4513.7	3819.9	1312.5	84.63
39.6	116.0	2764.9	4591.8	3876.0	1338.7	84.41
39.6	118.0	2750.7	4670.0	3931.5	1364.9	84.19
39.6	120.0	2736.5	4748.1	3986.3	1391.1	83.96
39.6	122.0	2722.4	4826.1	4040.4	1417.3	83.72
39.5	124.0	2708.4	4904.2	4093.9	1443.5	83.48
39.5	126.0	2694.4	4982.2	4146.8	1469.7	83.23
39.5	128.0	2680.5	5060.1	4199.0	1495.9	82.98
39.5	130.0	2666.8	5138.1	4250.6	1522.1	82.73
39.5	132.0	2653.1	5215.9	4301.5	1548.3	82.47
39.5	134.0	2639.5	5293.8	4351.9	1574.5	82.21
39.5	136.0	2625.9	5371.6	4401.6	1600.7	81.94
39.5	138.0	2612.5	5449.4	4450.7	1626.9	81.67
39.5	140.0	2599.1	5527.1	4499.3	1653.1	81.40
39.5	142.0	2585.8	5604.9	4547.2	1679.3	81.13
39.5	144.0	2572.6	5682.5	4594.6	1705.5	80.85
39.5	146.0	2559.5	5760.2	4641.3	1731.6	80.58
39.4	148.0	2546.5	5837.8	4687.6	1757.8	80.30
39.4	150.0	2533.5	5915.4	4733.2	1784.0	80.02
39.4	152.0	2520.6	5992.9	4778.3	1810.2	79.73
39.4	154.0	2507.8	6070.4	4822.8	1836.4	79.45
39.4	156.0	2495.1	6147.9	4866.8	1862.6	79.16
39.4	158.0	2482.5	6225.3	4910.3	1888.8	78.88
39.4	160.0	2469.9	6302.7	4953.2	1915.0	78.59
39.4	162.0	2457.5	6380.1	4995.7	1941.2	78.30
39.4	164.0	2445.1	6457.4	5037.6	1967.4	78.01
39.4	166.0	2432.8	6534.7	5079.0	1993.6	77.72
39.4	168.0	2420.5	6611.9	5119.8	2019.8	77.43
39.3	170.0	2408.4	6689.2	5160.2	2046.0	77.14
39.3	172.0	2396.3	6766.4	5200.1	2072.2	76.85
39.3	174.0	2384.4	6843.5	5239.6	2098.4	76.56
39.3	176.0	2372.5	6920.6	5278.5	2124.6	76.27
39.3	178.0	2360.6	6997.7	5317.0	2150.8	75.98
39.3	180.0	2348.9	7074.8	5355.0	2177.0	75.69
39.3	182.0	2337.3	7151.8	5392.6	2203.2	75.40
39.3	184.0	2325.7	7228.7	5429.7	2229.4	75.11
39.3	186.0	2314.2	7305.7	5466.4	2255.6	74.82
39.3	188.0	2302.8	7382.6	5502.6	2281.8	74.53
39.3	190.0	2291.5	7459.5	5538.4	2308.0	74.25
39.3	192.0	2280.2	7536.3	5573.8	2334.2	73.96
39.2	194.0	2269.1	7613.1	5608.8	2360.4	73.67
39.2	196.0	2258.0	7689.9	5643.3	2386.6	73.39
39.2	198.0	2247.0	7766.6	5677.5	2412.8	73.10
39.2	200.0	2236.1	7843.3	5711.3	2439.0	72.82

NOVA 15/50/B4 P42

Spannung: 50 V

$n_l=4302.5\text{U/min}$
 $n_s=89.0\text{U/min/V}$

$I_o=5,5\text{A}$
 $k_n=-8.07\text{U/min/A}$

$k_M=13.60\text{Ncm/A}$

Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Drehmoment [Ncm]	Wirkungsgrad [%]
49.7	50.0	4080.6	2483.1	1906.6	446.2	76.78
49.7	52.0	4061.0	2582.0	2013.2	473.4	77.97
49.6	54.0	4041.5	2680.8	2118.6	500.6	79.03
49.6	56.0	4022.1	2779.6	2223.0	527.8	79.97
49.6	58.0	4002.8	2878.4	2326.3	555.0	80.82
49.6	60.0	3983.7	2977.1	2428.7	582.2	81.58
49.6	62.0	3964.6	3075.8	2529.9	609.4	82.25
49.6	64.0	3945.5	3174.5	2630.2	636.6	82.85
49.6	66.0	3926.6	3273.1	2729.4	663.8	83.39
49.6	68.0	3907.8	3371.7	2827.6	691.0	83.86
49.6	70.0	3889.1	3470.3	2924.8	718.2	84.28
49.6	72.0	3870.5	3568.8	3021.1	745.4	84.65
49.6	74.0	3851.9	3667.3	3116.3	772.6	84.97
49.6	76.0	3833.5	3765.8	3210.6	799.8	85.26
49.5	78.0	3815.1	3864.2	3303.9	827.0	85.50
49.5	80.0	3796.9	3962.6	3396.2	854.2	85.71
49.5	82.0	3778.7	4061.0	3487.6	881.4	85.88
49.5	84.0	3760.6	4159.3	3578.0	908.6	86.02
49.5	86.0	3742.7	4257.6	3667.5	935.8	86.14
49.5	88.0	3724.8	4355.9	3756.1	962.9	86.23
49.5	90.0	3707.0	4454.1	3843.7	990.1	86.30
49.5	92.0	3689.3	4552.3	3930.4	1017.3	86.34
49.5	94.0	3671.7	4650.4	4016.3	1044.5	86.36
49.5	96.0	3654.2	4748.5	4101.2	1071.7	86.37
49.5	98.0	3636.8	4846.6	4185.2	1098.9	86.35
49.4	100.0	3619.5	4944.7	4268.4	1126.1	86.32
49.4	102.0	3602.2	5042.7	4350.7	1153.3	86.28
49.4	104.0	3585.1	5140.7	4432.1	1180.5	86.22
49.4	106.0	3568.1	5238.6	4512.7	1207.7	86.14
49.4	108.0	3551.1	5336.5	4592.4	1234.9	86.06
49.4	110.0	3534.3	5434.4	4671.3	1262.1	85.96
49.4	112.0	3517.5	5532.2	4749.3	1289.3	85.85

49.4	114.0	3500.9	5630.0	4826.5	1316.5	85.73
49.4	116.0	3484.3	5727.8	4902.9	1343.7	85.60
49.4	118.0	3467.9	5825.6	4978.5	1370.9	85.46
49.4	120.0	3451.5	5923.3	5053.3	1398.1	85.31
49.4	122.0	3435.2	6020.9	5127.3	1425.3	85.16
49.3	124.0	3419.0	6118.6	5200.5	1452.5	85.00
49.3	126.0	3402.9	6216.2	5273.0	1479.7	84.83
49.3	128.0	3386.9	6313.7	5344.6	1506.9	84.65
49.3	130.0	3371.0	6411.3	5415.6	1534.1	84.47
49.3	132.0	3355.2	6508.8	5485.7	1561.3	84.28
49.3	134.0	3339.5	6606.2	5555.1	1588.5	84.09
49.3	136.0	3323.8	6703.7	5623.8	1615.7	83.89
49.3	138.0	3308.3	6801.1	5691.8	1642.9	83.69
49.3	140.0	3292.9	6898.4	5759.0	1670.1	83.48
49.3	142.0	3277.5	6995.7	5825.5	1697.3	83.27
49.3	144.0	3262.3	7093.0	5891.3	1724.5	83.06
49.2	146.0	3247.1	7190.3	5956.4	1751.7	82.84
49.2	148.0	3232.1	7287.5	6020.9	1778.9	82.62
49.2	150.0	3217.1	7384.7	6084.6	1806.1	82.39
49.2	152.0	3202.2	7481.9	6147.7	1833.3	82.17
49.2	154.0	3187.5	7579.0	6210.1	1860.5	81.94
49.2	156.0	3172.8	7676.1	6271.8	1887.7	81.71
49.2	158.0	3158.2	7773.1	6333.0	1914.9	81.47
49.2	160.0	3143.7	7870.1	6393.4	1942.1	81.24
49.2	162.0	3129.3	7967.1	6453.3	1969.3	81.00
49.2	164.0	3115.0	8064.1	6512.5	1996.5	80.76
49.2	166.0	3100.8	8161.0	6571.1	2023.7	80.52
49.2	168.0	3086.6	8257.9	6629.1	2050.9	80.28
49.1	170.0	3072.6	8354.7	6686.4	2078.1	80.03
49.1	172.0	3058.7	8451.5	6743.2	2105.3	79.79
49.1	174.0	3044.8	8548.3	6799.5	2132.5	79.54
49.1	176.0	3031.1	8645.0	6855.1	2159.7	79.30
49.1	178.0	3017.4	8741.7	6910.2	2186.9	79.05
49.1	180.0	3003.9	8838.4	6964.7	2214.1	78.80
49.1	182.0	2990.4	8935.0	7018.6	2241.3	78.55
49.1	184.0	2977.1	9031.6	7072.0	2268.5	78.30
49.1	186.0	2963.8	9128.2	7124.9	2295.6	78.05
49.1	188.0	2950.6	9224.7	7177.3	2322.8	77.80
49.1	190.0	2937.5	9321.2	7229.1	2350.0	77.56
49.1	192.0	2924.5	9417.7	7280.4	2377.2	77.31
49.0	194.0	2911.6	9514.1	7331.2	2404.4	77.06
49.0	196.0	2898.8	9610.5	7381.6	2431.6	76.81
49.0	198.0	2886.1	9706.9	7431.4	2458.8	76.56
49.0	200.0	2873.5	9803.2	7480.7	2486.0	76.31

NOVA 15/50/B4 P42

Spannung: 60 V

$n_l=5176.3\text{U/min}$
 $n_s=90.0\text{U/min/V}$

$I_o=6,0\text{A}$
 $k_n=-9.71\text{U/min/A}$

$k_M=13.84\text{Ncm/A}$

Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Drehmoment [Ncm]	Wirkungsgrad [%]
59.5	50.0	4925.6	2972.6	2234.8	433.3	75.18
59.4	52.0	4901.0	3091.3	2365.7	460.9	76.53
59.4	54.0	4876.6	3210.0	2495.3	488.6	77.73
59.4	56.0	4852.4	3328.6	2623.5	516.3	78.82
59.4	58.0	4828.3	3447.3	2750.5	544.0	79.79
59.4	60.0	4804.4	3566.0	2876.1	571.7	80.65
59.4	62.0	4780.7	3684.6	3000.5	599.3	81.43
59.4	64.0	4757.2	3803.2	3123.6	627.0	82.13
59.4	66.0	4733.8	3921.8	3245.5	654.7	82.75
59.4	68.0	4710.6	4040.4	3366.1	682.4	83.31
59.4	70.0	4687.5	4158.9	3485.5	710.1	83.81
59.4	72.0	4664.7	4277.5	3603.7	737.7	84.25
59.4	74.0	4642.0	4396.0	3720.8	765.4	84.64
59.4	76.0	4619.5	4514.6	3836.6	793.1	84.98
59.4	78.0	4597.1	4633.1	3951.3	820.8	85.28
59.4	80.0	4574.9	4751.6	4064.9	848.5	85.55
59.4	82.0	4552.9	4870.0	4177.3	876.1	85.78
59.4	84.0	4531.1	4988.5	4288.6	903.8	85.97
59.4	86.0	4509.4	5106.9	4398.8	931.5	86.13
59.4	88.0	4487.9	5225.4	4507.9	959.2	86.27
59.4	90.0	4466.6	5343.8	4616.0	986.9	86.38
59.4	92.0	4445.5	5462.2	4723.0	1014.5	86.47
59.4	94.0	4424.5	5580.6	4828.9	1042.2	86.53
59.4	96.0	4403.7	5698.9	4933.9	1069.9	86.58
59.4	98.0	4383.0	5817.3	5037.8	1097.6	86.60
59.4	100.0	4362.6	5935.6	5140.8	1125.3	86.61
59.4	102.0	4342.3	6054.0	5242.7	1152.9	86.60
59.3	104.0	4322.2	6172.3	5343.7	1180.6	86.58
59.3	106.0	4302.2	6290.6	5443.8	1208.3	86.54
59.3	108.0	4282.4	6408.8	5542.9	1236.0	86.49
59.3	110.0	4262.8	6527.1	5641.1	1263.7	86.43
59.3	112.0	4243.4	6645.3	5738.3	1291.3	86.35

59.3	114.0	4224.1	6763.6	5834.7	1319.0	86.27
59.3	116.0	4205.0	6881.8	5930.3	1346.7	86.17
59.3	118.0	4186.1	7000.0	6024.9	1374.4	86.07
59.3	120.0	4167.4	7118.2	6118.7	1402.1	85.96
59.3	122.0	4148.8	7236.3	6211.7	1429.8	85.84
59.3	124.0	4130.4	7354.5	6303.9	1457.4	85.71
59.3	126.0	4112.2	7472.6	6395.3	1485.1	85.58
59.3	128.0	4094.1	7590.8	6485.8	1512.8	85.44
59.3	130.0	4076.2	7708.9	6575.7	1540.5	85.30
59.3	132.0	4058.5	7827.0	6664.7	1568.2	85.15
59.3	134.0	4040.9	7945.1	6753.0	1595.8	85.00
59.3	136.0	4023.6	8063.1	6840.6	1623.5	84.84
59.3	138.0	4006.4	8181.2	6927.5	1651.2	84.68
59.3	140.0	3989.3	8299.2	7013.7	1678.9	84.51
59.3	142.0	3972.5	8417.2	7099.2	1706.6	84.34
59.3	144.0	3955.8	8535.2	7184.0	1734.2	84.17
59.3	146.0	3939.3	8653.2	7268.2	1761.9	83.99
59.3	148.0	3922.9	8771.2	7351.8	1789.6	83.82
59.3	150.0	3906.7	8889.1	7434.7	1817.3	83.64
59.3	152.0	3890.7	9007.1	7517.0	1845.0	83.46
59.3	154.0	3874.9	9125.0	7598.7	1872.6	83.27
59.2	156.0	3859.2	9242.9	7679.9	1900.3	83.09
59.2	158.0	3843.7	9360.8	7760.5	1928.0	82.90
59.2	160.0	3828.4	9478.7	7840.5	1955.7	82.72
59.2	162.0	3813.3	9596.6	7920.0	1983.4	82.53
59.2	164.0	3798.3	9714.4	7999.0	2011.0	82.34
59.2	166.0	3783.5	9832.3	8077.5	2038.7	82.15
59.2	168.0	3768.9	9950.1	8155.5	2066.4	81.96
59.2	170.0	3754.4	10067.9	8233.1	2094.1	81.78
59.2	172.0	3740.1	10185.7	8310.2	2121.8	81.59
59.2	174.0	3726.0	10303.4	8386.8	2149.4	81.40

NOVA 15/50/B4 P42

Spannung: 70 V

$n_l=6052.6\text{U/min}$
 $n_s=89.4\text{U/min/V}$

$I_o=7,0\text{A}$
 $k_n=-10.66\text{U/min/A}$

$k_M=13.30\text{Ncm/A}$

Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Drehmoment [Ncm]	Wirkungsgrad [%]
69.3	50.0	5742.1	3465.6	2832.2	471.0	81.72
69.3	52.0	5714.6	3603.9	2977.9	497.6	82.63
69.3	54.0	5687.3	3742.2	3122.0	524.2	83.43
69.3	56.0	5660.1	3880.5	3264.8	550.8	84.13
69.3	58.0	5633.2	4018.8	3406.2	577.4	84.76
69.3	60.0	5606.4	4157.0	3546.2	604.0	85.31
69.3	62.0	5579.9	4295.2	3684.8	630.6	85.79
69.3	64.0	5553.5	4433.4	3822.1	657.2	86.21
69.3	66.0	5527.4	4571.5	3958.1	683.8	86.58
69.3	68.0	5501.4	4709.6	4092.8	710.4	86.90
69.3	70.0	5475.6	4847.7	4226.1	737.0	87.18
69.2	72.0	5450.1	4985.8	4358.2	763.6	87.41
69.2	74.0	5424.7	5123.9	4489.0	790.2	87.61
69.2	76.0	5399.5	5261.9	4618.6	816.8	87.77
69.2	78.0	5374.5	5399.9	4746.9	843.4	87.91
69.2	80.0	5349.7	5537.9	4874.1	870.0	88.01
69.2	82.0	5325.1	5675.9	5000.0	896.6	88.09
69.2	84.0	5300.7	5813.8	5124.7	923.2	88.15
69.2	86.0	5276.5	5951.7	5248.3	949.8	88.18
69.2	88.0	5252.5	6089.6	5370.8	976.4	88.19
69.2	90.0	5228.7	6227.5	5492.1	1003.0	88.19
69.2	92.0	5205.0	6365.4	5612.2	1029.6	88.17
69.2	94.0	5181.6	6503.2	5731.3	1056.2	88.13
69.2	96.0	5158.4	6641.0	5849.3	1082.8	88.08
69.2	98.0	5135.3	6778.8	5966.2	1109.4	88.01
69.2	100.0	5112.5	6916.5	6082.1	1136.0	87.94
69.2	102.0	5089.8	7054.2	6196.9	1162.6	87.85
69.2	104.0	5067.4	7191.9	6310.8	1189.2	87.75
69.1	106.0	5045.1	7329.6	6423.6	1215.8	87.64
69.1	108.0	5023.0	7467.3	6535.4	1242.4	87.52
69.1	110.0	5001.2	7604.9	6646.3	1269.0	87.39
69.1	112.0	4979.5	7742.5	6756.2	1295.6	87.26

69.1	114.0	4958.0	7880.1	6865.2	1322.3	87.12
69.1	116.0	4936.7	8017.7	6973.2	1348.9	86.97
69.1	118.0	4915.7	8155.2	7080.4	1375.5	86.82
69.1	120.0	4894.8	8292.7	7186.6	1402.1	86.66
69.1	122.0	4874.1	8430.2	7292.0	1428.7	86.50
69.1	124.0	4853.6	8567.7	7396.5	1455.3	86.33
69.1	126.0	4833.2	8705.1	7500.2	1481.9	86.16
69.1	128.0	4813.1	8842.6	7603.1	1508.5	85.98
69.1	130.0	4793.2	8980.0	7705.1	1535.1	85.80
69.1	132.0	4773.5	9117.3	7806.4	1561.7	85.62
69.1	134.0	4754.0	9254.7	7906.9	1588.3	85.44
69.1	136.0	4734.6	9392.0	8006.6	1614.9	85.25
69.1	138.0	4715.5	9529.3	8105.6	1641.5	85.06
69.0	140.0	4696.5	9666.6	8203.9	1668.1	84.87
69.0	142.0	4677.8	9803.9	8301.4	1694.7	84.68
69.0	144.0	4659.2	9941.1	8398.3	1721.3	84.48
69.0	146.0	4640.9	10078.3	8494.5	1747.9	84.28
69.0	148.0	4622.7	10215.5	8590.0	1774.5	84.09
69.0	150.0	4604.7	10352.7	8684.9	1801.1	83.89
69.0	152.0	4587.0	10489.8	8779.2	1827.7	83.69
69.0	154.0	4569.4	10626.9	8872.8	1854.3	83.49
69.0	156.0	4552.0	10764.0	8965.9	1880.9	83.29
69.0	158.0	4534.8	10901.1	9058.3	1907.5	83.10
69.0	160.0	4517.8	11038.1	9150.2	1934.1	82.90
69.0	162.0	4501.0	11175.1	9241.6	1960.7	82.70
69.0	164.0	4484.4	11312.1	9332.4	1987.3	82.50
69.0	166.0	4468.0	11449.1	9422.7	2013.9	82.30
69.0	168.0	4451.8	11586.1	9512.6	2040.5	82.10
69.0	170.0	4435.8	11723.0	9601.9	2067.1	81.91
69.0	172.0	4420.0	11859.9	9690.8	2093.7	81.71
68.9	174.0	4404.3	11996.8	9779.2	2120.3	81.52
68.9	176.0	4388.9	12133.6	9867.2	2146.9	81.32
68.9	178.0	4373.7	12270.5	9954.8	2173.5	81.13
68.9	180.0	4358.6	12407.3	10041.9	2200.1	80.94