

## NOVA 30/50/B3 S P50 V2

Spannung: 70 V

nl=3618.5U/min ns=52.4U/min/V		lo=8.7A kn=-4.57U/min/A		kM=21.05Ncm/A		Wirkungsgrad [%]
Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Drehmoment [Ncm]	
69.8	40.0	3475.7	2790.3	2394.8	658.0	85.83
69.7	45.0	3452.8	3138.5	2759.6	763.2	87.93
69.7	50.0	3430.0	3486.7	3119.4	868.5	89.47
69.7	55.0	3407.1	3834.7	3474.1	973.7	90.60
69.7	60.0	3384.2	4182.6	3823.8	1079.0	91.42
69.7	65.0	3361.4	4530.3	4168.5	1184.2	92.01
69.7	70.0	3338.5	4878.0	4508.1	1289.5	92.42
69.7	75.0	3315.7	5225.5	4842.7	1394.7	92.67
69.7	80.0	3292.8	5573.0	5172.3	1500.0	92.81
69.7	85.0	3270.0	5920.3	5496.8	1605.2	92.85
69.6	90.0	3247.1	6267.4	5816.3	1710.5	92.80
69.6	95.0	3224.3	6614.5	6130.8	1815.7	92.69
69.6	100.0	3201.4	6961.4	6440.2	1921.0	92.51
69.6	105.0	3178.6	7308.3	6744.5	2026.2	92.29
69.6	110.0	3155.7	7655.0	7043.9	2131.5	92.02
69.6	115.0	3132.9	8001.6	7338.2	2236.7	91.71
69.6	120.0	3110.0	8348.0	7627.4	2342.0	91.37
69.6	125.0	3087.2	8694.4	7911.7	2447.2	91.00
69.5	130.0	3064.3	9040.6	8190.8	2552.5	90.60
69.5	135.0	3041.5	9386.7	8465.0	2657.8	90.18
69.5	140.0	3018.6	9732.7	8734.1	2763.0	89.74
69.5	145.0	2995.8	10078.6	8998.2	2868.3	89.28
69.5	150.0	2972.9	10424.4	9257.2	2973.5	88.80
69.5	155.0	2950.1	10770.0	9511.2	3078.8	88.31
69.5	160.0	2927.2	11115.5	9760.2	3184.0	87.81
69.5	165.0	2904.4	11460.9	10004.1	3289.3	87.29
69.4	170.0	2881.5	11806.2	10243.0	3394.5	86.76
69.4	175.0	2858.7	12151.4	10476.8	3499.8	86.22
69.4	180.0	2835.8	12496.4	10705.6	3605.0	85.67
69.4	185.0	2813.0	12841.3	10929.4	3710.3	85.11
69.4	190.0	2790.1	13186.1	11148.1	3815.5	84.54
69.4	195.0	2767.2	13530.8	11361.8	3920.8	83.97
69.4	200.0	2744.4	13875.4	11570.5	4026.0	83.39
69.4	205.0	2721.5	14219.9	11774.1	4131.3	82.80
69.4	210.0	2698.7	14564.2	11972.7	4236.5	82.21
69.3	215.0	2675.8	14908.4	12166.3	4341.8	81.61
69.3	220.0	2653.0	15252.5	12354.8	4447.0	81.00

## NOVA 30/50/B3 S P50 V2

Spannung: 80 V

nl=4124.1U/min ns=52.3U/min/V		lo=8.2A kn=-5.04U/min/A		kM=21.14Ncm/A		Wirkungsgrad [%]
Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Drehmoment [Ncm]	
79.6	40.0	3963.8	3184.1	2791.8	672.6	87.68
79.6	45.0	3938.6	3581.5	3210.0	778.3	89.63
79.6	50.0	3913.4	3978.7	3622.6	884.0	91.05
79.6	55.0	3888.2	4375.8	4029.7	989.7	92.09
79.5	60.0	3862.9	4772.8	4431.2	1095.4	92.84
79.5	65.0	3837.7	5169.6	4827.1	1201.1	93.37
79.5	70.0	3812.5	5566.3	5217.4	1306.8	93.73
79.5	75.0	3787.3	5962.9	5602.2	1412.5	93.95
79.5	80.0	3762.1	6359.3	5981.4	1518.2	94.06
79.5	85.0	3736.9	6755.6	6354.9	1623.9	94.07
79.5	90.0	3711.7	7151.8	6723.0	1729.6	94.00
79.5	95.0	3686.5	7547.8	7085.4	1835.3	93.87
79.4	100.0	3661.3	7943.7	7442.2	1941.0	93.69
79.4	105.0	3636.1	8339.4	7793.5	2046.7	93.45
79.4	110.0	3610.9	8735.0	8139.2	2152.5	93.18
79.4	115.0	3585.7	9130.4	8479.3	2258.2	92.87
79.4	120.0	3560.5	9525.8	8813.9	2363.9	92.53
79.4	125.0	3535.3	9921.0	9142.8	2469.6	92.16
79.4	130.0	3510.1	10316.0	9466.2	2575.3	91.76
79.3	135.0	3484.9	10710.9	9784.0	2681.0	91.35
79.3	140.0	3459.7	11105.7	10096.2	2786.7	90.91
79.3	145.0	3434.5	11500.3	10402.9	2892.4	90.46
79.3	150.0	3409.3	11894.8	10703.9	2998.1	89.99
79.3	155.0	3384.1	12289.2	10999.4	3103.8	89.50
79.3	160.0	3358.9	12683.4	11289.3	3209.5	89.01
79.3	165.0	3333.7	13077.5	11573.6	3315.2	88.50
79.2	170.0	3308.5	13471.4	11852.4	3420.9	87.98
79.2	175.0	3283.3	13865.2	12125.5	3526.6	87.45
79.2	180.0	3258.1	14258.9	12393.1	3632.3	86.92
79.2	185.0	3232.9	14652.4	12655.1	3738.0	86.37
79.2	190.0	3207.7	15045.8	12911.5	3843.7	85.81
79.2	195.0	3182.5	15439.0	13162.4	3949.4	85.25
79.2	200.0	3157.3	15832.2	13407.7	4055.1	84.69
79.1	205.0	3132.1	16225.1	13647.3	4160.9	84.11
79.1	210.0	3106.9	16618.0	13881.5	4266.6	83.53
79.1	215.0	3081.7	17010.7	14110.0	4372.3	82.95
79.1	220.0	3056.5	17403.2	14332.9	4478.0	82.36

## NOVA 30/50/B3 S P50 V2

Spannung: 90 V

nl=4600.9U/min ns=51.7U/min/V		lo=9.1A kn=-5.42U/min/A		kM=21.58Ncm/A		Wirkungsgrad [%]
Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Drehmoment [Ncm]	
89.9	40.0	4433.2	3594.2	3097.7	667.3	86.19
89.8	45.0	4406.1	4042.8	3576.7	775.2	88.47
89.8	50.0	4378.9	4491.2	4049.6	883.1	90.17
89.8	55.0	4351.8	4939.4	4516.3	991.0	91.43
89.8	60.0	4324.7	5387.6	4976.9	1098.9	92.38
89.8	65.0	4297.6	5835.5	5431.4	1206.9	93.07
89.8	70.0	4270.4	6283.3	5879.7	1314.8	93.58
89.7	75.0	4243.3	6731.0	6321.9	1422.7	93.92
89.7	80.0	4216.2	7178.4	6758.0	1530.6	94.14
89.7	85.0	4189.1	7625.8	7188.0	1638.5	94.26
89.7	90.0	4162.0	8073.0	7611.8	1746.5	94.29
89.7	95.0	4134.8	8520.0	8029.5	1854.4	94.24
89.7	100.0	4107.7	8966.9	8441.0	1962.3	94.14
89.7	105.0	4080.6	9413.6	8846.5	2070.2	93.98
89.6	110.0	4053.5	9860.1	9245.8	2178.1	93.77
89.6	115.0	4026.4	10306.5	9638.9	2286.1	93.52
89.6	120.0	3999.2	10752.8	10026.0	2394.0	93.24
89.6	125.0	3972.1	11198.9	10406.9	2501.9	92.93
89.6	130.0	3945.0	11644.8	10781.7	2609.8	92.59
89.6	135.0	3917.9	12090.6	11150.3	2717.7	92.22
89.5	140.0	3890.7	12536.3	11512.8	2825.7	91.84
89.5	145.0	3863.6	12981.7	11869.2	2933.6	91.43
89.5	150.0	3836.5	13427.1	12219.5	3041.5	91.01
89.5	155.0	3809.4	13872.2	12563.6	3149.4	90.57
89.5	160.0	3782.3	14317.2	12901.6	3257.3	90.11
89.5	165.0	3755.1	14762.1	13233.5	3365.3	89.64
89.5	170.0	3728.0	15206.8	13559.2	3473.2	89.17
89.4	175.0	3700.9	15651.3	13878.8	3581.1	88.67
89.4	180.0	3673.8	16095.7	14192.3	3689.0	88.17
89.4	185.0	3646.7	16540.0	14499.6	3796.9	87.66
89.4	190.0	3619.5	16984.1	14800.8	3904.9	87.15
89.4	195.0	3592.4	17428.0	15095.9	4012.8	86.62
89.4	200.0	3565.3	17871.8	15384.9	4120.7	86.08
89.3	205.0	3538.2	18315.4	15667.7	4228.6	85.54
89.3	210.0	3511.0	18758.8	15944.4	4336.5	85.00
89.3	215.0	3483.9	19202.1	16215.0	4444.5	84.44
89.3	220.0	3456.8	19645.3	16479.4	4552.4	83.88

## NOVA 30/50/B3 S P50 V2

Spannung: 100 V

nl=5114.1U/min ns=51.7U/min/V		lo=7.7A kn=-5.93U/min/A		kM=21.22Ncm/A		Wirkungsgrad [%]
Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Drehmoment [Ncm]	
99.8	40.0	4922.5	3991.0	3537.4	686.2	88.63
99.8	45.0	4892.8	4489.8	4059.9	792.4	90.42
99.8	50.0	4863.2	4988.7	4575.7	898.5	91.72
99.8	55.0	4833.6	5487.5	5085.0	1004.6	92.67
99.8	60.0	4804.0	5986.3	5587.7	1110.7	93.34
99.8	65.0	4774.3	6485.1	6083.8	1216.8	93.81
99.8	70.0	4744.7	6983.9	6573.3	1323.0	94.12
99.8	75.0	4715.1	7482.7	7056.3	1429.1	94.30
99.8	80.0	4685.4	7981.5	7532.6	1535.2	94.38
99.8	85.0	4655.8	8480.3	8002.4	1641.3	94.36
99.8	90.0	4626.2	8979.1	8465.5	1747.5	94.28
99.8	95.0	4596.5	9477.9	8922.1	1853.6	94.14
99.8	100.0	4566.9	9976.6	9372.1	1959.7	93.94
99.8	105.0	4537.3	10475.4	9815.5	2065.8	93.70
99.8	110.0	4507.6	10974.1	10252.4	2171.9	93.42
99.8	115.0	4478.0	11472.9	10682.6	2278.1	93.11
99.8	120.0	4448.4	11971.6	11106.3	2384.2	92.77
99.8	125.0	4418.7	12470.3	11523.4	2490.3	92.41
99.8	130.0	4389.1	12969.0	11933.8	2596.4	92.02
99.8	135.0	4359.5	13467.7	12337.7	2702.5	91.61
99.8	140.0	4329.8	13966.4	12735.1	2808.7	91.18
99.8	145.0	4300.2	14465.1	13125.8	2914.8	90.74
99.8	150.0	4270.6	14963.8	13509.9	3020.9	90.28
99.8	155.0	4241.0	15462.5	13887.5	3127.0	89.81
99.8	160.0	4211.3	15961.2	14258.5	3233.2	89.33
99.8	165.0	4181.7	16459.8	14622.9	3339.3	88.84
99.8	170.0	4152.1	16958.5	14980.7	3445.4	88.34
99.8	175.0	4122.4	17457.1	15331.9	3551.5	87.83
99.8	180.0	4092.8	17955.8	15676.5	3657.6	87.31
99.8	185.0	4063.2	18454.4	16014.5	3763.8	86.78
99.8	190.0	4033.5	18953.0	16346.0	3869.9	86.24
99.8	195.0	4003.9	19451.7	16670.9	3976.0	85.70
99.8	200.0	3974.3	19950.3	16989.1	4082.1	85.16
99.8	205.0	3944.6	20448.9	17300.8	4188.2	84.61
99.7	210.0	3915.0	20947.5	17606.0	4294.4	84.05
99.7	215.0	3885.4	21446.1	17904.5	4400.5	83.49
99.7	220.0	3855.7	21944.7	18196.4	4506.6	82.92

## NOVA 30/50/B3 S P50 V2

Spannung: 110 V

nl=5613.2U/min ns=51.5U/min/V		lo=8.2A kn=-6.43U/min/A		kM=21.66Ncm/A		Wirkungsgrad [%]
Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Drehmoment [Ncm]	
109.9	40.0	5408.6	4396.9	3900.8	688.7	88.72
109.9	45.0	5376.4	4946.0	4487.3	797.0	90.73
109.9	50.0	5344.3	5495.1	5066.5	905.3	92.20
109.9	55.0	5312.1	6044.2	5638.4	1013.6	93.29
109.9	60.0	5279.9	6593.1	6203.1	1121.9	94.08
109.9	65.0	5247.8	7141.9	6760.4	1230.2	94.66
109.9	70.0	5215.6	7690.6	7310.4	1338.5	95.06
109.9	75.0	5183.4	8239.3	7853.1	1446.8	95.31
109.8	80.0	5151.3	8787.8	8388.6	1555.1	95.46
109.8	85.0	5119.1	9336.3	8916.7	1663.3	95.51
109.8	90.0	5086.9	9884.6	9437.5	1771.6	95.48
109.8	95.0	5054.8	10432.9	9951.1	1879.9	95.38
109.8	100.0	5022.6	10981.1	10457.3	1988.2	95.23
109.8	105.0	4990.4	11529.2	10956.3	2096.5	95.03
109.8	110.0	4958.2	12077.2	11447.9	2204.8	94.79
109.8	115.0	4926.1	12625.1	11932.3	2313.1	94.51
109.8	120.0	4893.9	13172.9	12409.3	2421.4	94.20
109.8	125.0	4861.7	13720.6	12879.1	2529.7	93.87
109.8	130.0	4829.6	14268.3	13341.6	2638.0	93.51
109.7	135.0	4797.4	14815.8	13796.8	2746.3	93.12
109.7	140.0	4765.2	15363.3	14244.6	2854.6	92.72
109.7	145.0	4733.1	15910.6	14685.2	2962.8	92.30
109.7	150.0	4700.9	16457.9	15118.5	3071.1	91.86
109.7	155.0	4668.7	17005.0	15544.5	3179.4	91.41
109.7	160.0	4636.6	17552.1	15963.2	3287.7	90.95
109.7	165.0	4604.4	18099.1	16374.6	3396.0	90.47
109.7	170.0	4572.2	18646.0	16778.7	3504.3	89.99
109.7	175.0	4540.1	19192.8	17175.5	3612.6	89.49
109.7	180.0	4507.9	19739.5	17565.0	3720.9	88.98
109.7	185.0	4475.7	20286.1	17947.2	3829.2	88.47
109.6	190.0	4443.6	20832.7	18322.2	3937.5	87.95
109.6	195.0	4411.4	21379.1	18689.8	4045.8	87.42
109.6	200.0	4379.2	21925.4	19050.1	4154.1	86.89
109.6	205.0	4347.1	22471.7	19403.1	4262.3	86.34
109.6	210.0	4314.9	23017.9	19748.9	4370.6	85.80
109.6	215.0	4282.7	23563.9	20087.3	4478.9	85.25
109.6	220.0	4250.5	24109.9	20418.5	4587.2	84.69

## NOVA 30/50/B3 S P50 V2

Spannung: 120 V

nl=6036.1U/min ns=50.9U/min/V		lo=8.5A kn=-6.21U/min/A		kM=21.70Ncm/A		Wirkungsgrad [%]
Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Drehmoment [Ncm]	
119.6	40.0	5840.3	4785.6	4182.1	683.8	87.39
119.6	45.0	5809.2	5383.4	4820.0	792.3	89.53
119.6	50.0	5778.2	5981.2	5450.7	900.8	91.13
119.6	55.0	5747.1	6578.8	6074.5	1009.3	92.33
119.6	60.0	5716.1	7176.4	6691.1	1117.8	93.24
119.6	65.0	5685.0	7773.9	7300.7	1226.3	93.91
119.6	70.0	5653.9	8371.4	7903.3	1334.8	94.41
119.6	75.0	5622.9	8968.7	8498.7	1443.3	94.76
119.6	80.0	5591.8	9566.0	9087.2	1551.8	94.99
119.6	85.0	5560.7	10163.2	9668.5	1660.4	95.13
119.6	90.0	5529.7	10760.3	10242.8	1768.9	95.19
119.6	95.0	5498.6	11357.3	10810.1	1877.4	95.18
119.5	100.0	5467.5	11954.3	11370.3	1985.9	95.11
119.5	105.0	5436.5	12551.2	11923.4	2094.4	95.00
119.5	110.0	5405.4	13147.9	12469.5	2202.9	94.84
119.5	115.0	5374.3	13744.7	13008.5	2311.4	94.64
119.5	120.0	5343.3	14341.3	13540.4	2419.9	94.42
119.5	125.0	5312.2	14937.8	14065.3	2528.4	94.16
119.5	130.0	5281.2	15534.3	14583.1	2636.9	93.88
119.5	135.0	5250.1	16130.7	15093.9	2745.4	93.57
119.5	140.0	5219.0	16727.0	15597.6	2853.9	93.25
119.5	145.0	5188.0	17323.2	16094.3	2962.4	92.91
119.5	150.0	5156.9	17919.4	16583.9	3070.9	92.55
119.5	155.0	5125.8	18515.4	17066.4	3179.4	92.17
119.4	160.0	5094.8	19111.4	17541.9	3287.9	91.79
119.4	165.0	5063.7	19707.3	18010.3	3396.4	91.39
119.4	170.0	5032.6	20303.2	18471.6	3504.9	90.98
119.4	175.0	5001.6	20898.9	18925.9	3613.4	90.56
119.4	180.0	4970.5	21494.6	19373.2	3722.0	90.13
119.4	185.0	4939.5	22090.2	19813.4	3830.5	89.69
119.4	190.0	4908.4	22685.7	20246.5	3939.0	89.25
119.4	195.0	4877.3	23281.1	20672.5	4047.5	88.80
119.4	200.0	4846.3	23876.4	21091.5	4156.0	88.34
119.4	205.0	4815.2	24471.7	21503.5	4264.5	87.87
119.4	210.0	4784.1	25066.9	21908.3	4373.0	87.40
119.4	215.0	4753.1	25662.0	22306.2	4481.5	86.92
119.4	220.0	4722.0	26257.0	22696.9	4590.0	86.44