

HP 620/40/B8 P28

Spannung: 60 V

$n_l=7363.4\text{U/min}$
 $n_s=127.5\text{U/min/V}$

$I_o=8.9\text{A}$
 $k_n=-25.31\text{U/min/A}$

$k_M=9.90\text{Ncm/A}$

Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Drehmoment [Ncm]	Wirkungsgrad [%]
59.5	20.0	7129.0	1190.7	820.4	109.9	68.90
59.5	25.0	6980.0	1488.4	1165.1	159.4	78.28
59.5	30.0	6834.9	1786.1	1495.1	208.9	83.71
59.5	35.0	6693.6	2083.8	1811.1	258.4	86.91
59.5	40.0	6556.1	2381.5	2113.7	307.9	88.76
59.5	45.0	6422.5	2679.1	2403.5	357.4	89.71
59.5	50.0	6292.7	2976.8	2681.1	406.9	90.06
59.5	55.0	6166.7	3274.5	2947.0	456.4	90.00
59.5	60.0	6044.6	3572.2	3201.9	505.8	89.64
59.5	65.0	5926.3	3869.8	3446.4	555.3	89.06
59.5	70.0	5811.8	4167.5	3681.1	604.8	88.33
59.5	75.0	5701.2	4465.2	3906.5	654.3	87.49
59.5	80.0	5594.4	4762.9	4123.3	703.8	86.57
59.5	85.0	5491.5	5060.5	4332.0	753.3	85.60
59.5	90.0	5392.4	5358.2	4533.3	802.8	84.61
59.5	95.0	5297.1	5655.9	4727.7	852.3	83.59
59.5	100.0	5205.6	5953.5	4915.9	901.8	82.57

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Spannung: 65 V

$n_l=7912.0\text{U/min}$
 $n_s=126.7\text{U/min/V}$

$I_o=10.1\text{A}$
 $k_n=-27.36\text{U/min/A}$

$k_M=10.04\text{Ncm/A}$

Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Drehmoment [Ncm]	Wirkungsgrad [%]
64.6	20.0	7696.7	1291.7	803.9	99.7	62.23
64.6	25.0	7532.8	1614.5	1182.6	149.9	73.25
64.6	30.0	7373.5	1937.3	1545.1	200.1	79.76
64.6	35.0	7218.8	2259.9	1892.0	250.3	83.72
64.6	40.0	7068.7	2582.6	2224.2	300.5	86.12
64.6	45.0	6923.3	2905.1	2542.3	350.7	87.51
64.6	50.0	6782.5	3227.6	2847.0	400.8	88.21
64.5	55.0	6646.4	3550.1	3139.2	451.0	88.43
64.5	60.0	6514.9	3872.5	3419.4	501.2	88.30
64.5	65.0	6388.0	4194.8	3688.6	551.4	87.93
64.5	70.0	6265.7	4517.1	3947.3	601.6	87.38
64.5	75.0	6148.1	4839.4	4196.3	651.8	86.71
64.5	80.0	6035.2	5161.5	4436.3	702.0	85.95
64.5	85.0	5926.8	5483.7	4668.2	752.1	85.13
64.5	90.0	5823.1	5805.7	4892.5	802.3	84.27
64.5	95.0	5724.1	6127.7	5110.1	852.5	83.39
64.5	100.0	5629.6	6449.7	5321.7	902.7	82.51

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Spannung: 70 V

$n_l=8508.0\text{U/min}$
 $n_s=126.2\text{U/min/V}$

$I_o=9.5\text{A}$
 $k_n=-29.24\text{U/min/A}$

$k_M=10.05\text{Ncm/A}$

Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Drehmoment [Ncm]	Wirkungsgrad [%]
69.6	20.0	8277.3	1391.5	918.2	105.9	65.98
69.6	25.0	8097.7	1739.1	1324.6	156.2	76.16
69.6	30.0	7923.5	2086.5	1713.2	206.5	82.11
69.5	35.0	7754.7	2433.8	2084.9	256.7	85.66
69.5	40.0	7591.3	2781.0	2440.6	307.0	87.76
69.5	45.0	7433.2	3128.1	2781.1	357.3	88.91
69.5	50.0	7280.5	3475.0	3107.2	407.6	89.42
69.5	55.0	7133.1	3821.8	3419.9	457.8	89.48
69.5	60.0	6991.2	4168.5	3719.8	508.1	89.24
69.5	65.0	6854.6	4515.0	4008.0	558.4	88.77
69.4	70.0	6723.3	4861.5	4285.2	608.6	88.15
69.4	75.0	6597.5	5207.8	4552.3	658.9	87.41
69.4	80.0	6477.0	5553.9	4810.1	709.2	86.61
69.4	85.0	6361.9	5900.0	5059.5	759.4	85.76
69.4	90.0	6252.1	6245.9	5301.4	809.7	84.88
69.4	95.0	6147.8	6591.7	5536.5	860.0	83.99
69.4	100.0	6048.7	6937.4	5765.8	910.3	83.11

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Spannung: 75 V

$n_l=9140.0\text{U/min}$
 $n_s=125.7\text{U/min/V}$

$I_o=7.3\text{A}$
 $k_n=-31.96\text{U/min/A}$

$k_M=9.59\text{Ncm/A}$

Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Drehmoment [Ncm]	Wirkungsgrad [%]
74.5	20.0	8765.4	1491.0	1119.3	121.9	75.07
74.5	25.0	8582.9	1863.6	1526.9	169.9	81.93
74.5	30.0	8406.1	2236.0	1917.4	217.8	85.75
74.5	35.0	8235.1	2608.5	2291.9	265.8	87.86
74.5	40.0	8070.0	2980.8	2651.1	313.7	88.94
74.5	45.0	7910.6	3353.1	2995.9	361.6	89.35
74.5	50.0	7757.1	3725.3	3327.1	409.6	89.31
74.5	55.0	7609.4	4097.4	3645.8	457.5	88.98
74.5	60.0	7467.5	4469.4	3952.7	505.5	88.44
74.5	65.0	7331.4	4841.4	4248.7	553.4	87.76
74.5	70.0	7201.1	5213.3	4534.7	601.3	86.98
74.5	75.0	7076.6	5585.1	4811.6	649.3	86.15
74.5	80.0	6957.9	5956.8	5080.2	697.2	85.28
74.5	85.0	6845.1	6328.5	5341.5	745.2	84.40
74.4	90.0	6738.0	6700.1	5596.2	793.1	83.52
74.4	95.0	6636.8	7071.6	5845.3	841.0	82.66
74.4	100.0	6541.4	7443.0	6089.7	889.0	81.82
74.4	105.0	6451.8	7814.4	6330.1	936.9	81.01
74.4	110.0	6367.9	8185.7	6567.6	984.9	80.23
74.4	115.0	6289.9	8556.9	6802.9	1032.8	79.50
74.4	120.0	6217.8	8928.0	7037.0	1080.7	78.82

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Spannung: 80 V

$n_l=9532.5\text{U/min}$
 $n_s=123.8\text{U/min/V}$

$I_o=9.5\text{A}$
 $k_n=-31.14\text{U/min/A}$

$k_M=10.05\text{Ncm/A}$

Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Drehmoment [Ncm]	Wirkungsgrad [%]
79.5	20.0	9313.5	1591.0	986.8	101.2	62.02
79.5	25.0	9123.0	1988.4	1446.7	151.4	72.76
79.5	30.0	8938.1	2385.7	1887.7	201.7	79.13
79.5	35.0	8758.8	2782.8	2310.7	251.9	83.04
79.5	40.0	8585.2	3179.8	2716.7	302.2	85.44
79.5	45.0	8417.1	3576.6	3106.4	352.4	86.85
79.5	50.0	8254.7	3973.3	3480.8	402.7	87.60
79.5	55.0	8097.9	4369.9	3840.8	452.9	87.89
79.4	60.0	7946.7	4766.3	4187.3	503.2	87.85
79.4	65.0	7801.1	5162.6	4521.1	553.4	87.57
79.4	70.0	7661.1	5558.8	4843.1	603.7	87.13
79.4	75.0	7526.8	5954.8	5154.3	653.9	86.56
79.4	80.0	7398.1	6350.7	5455.4	704.2	85.90
79.4	85.0	7275.0	6746.4	5747.5	754.4	85.19
79.4	90.0	7157.5	7142.0	6031.3	804.7	84.45
79.3	95.0	7045.6	7537.5	6307.8	854.9	83.69
79.3	100.0	6939.4	7932.8	6577.8	905.2	82.92
79.3	105.0	6838.7	8328.0	6842.3	955.4	82.16
79.3	110.0	6743.7	8723.1	7102.1	1005.7	81.42
79.3	115.0	6654.3	9118.0	7358.1	1055.9	80.70
79.3	120.0	6570.5	9512.7	7611.2	1106.2	80.01

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Spannung: 85 V

$n_l=10345.9\text{U/min}$
 $n_s=124.9\text{U/min/V}$

$I_o=7.6\text{A}$
 $k_n=-35.11\text{U/min/A}$

$k_M=9.70\text{Ncm/A}$

Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Drehmoment [Ncm]	Wirkungsgrad [%]
84.9	20.0	9991.1	1698.4	1254.4	119.9	73.86
84.9	25.0	9773.6	2122.5	1723.5	168.4	81.20
84.9	30.0	9563.9	2546.4	2172.2	216.9	85.31
84.9	35.0	9361.9	2970.1	2601.8	265.4	87.60
84.8	40.0	9167.7	3393.6	3013.5	313.9	88.80
84.8	45.0	8981.2	3816.9	3408.3	362.4	89.30
84.8	50.0	8802.5	4240.1	3787.6	410.9	89.33
84.8	55.0	8631.5	4663.0	4152.4	459.4	89.05
84.8	60.0	8468.3	5085.7	4504.0	507.9	88.56
84.7	65.0	8312.8	5508.2	4843.5	556.4	87.93
84.7	70.0	8165.1	5930.5	5172.1	604.9	87.21
84.7	75.0	8025.2	6352.6	5491.0	653.4	86.44
84.7	80.0	7892.9	6774.6	5801.4	701.9	85.64
84.7	85.0	7768.5	7196.3	6104.5	750.4	84.83
84.6	90.0	7651.7	7617.8	6401.4	798.9	84.03
84.6	95.0	7542.8	8039.2	6693.3	847.4	83.26
84.6	100.0	7441.6	8460.3	6981.5	895.9	82.52
84.6	105.0	7348.1	8881.2	7267.0	944.4	81.82
84.6	110.0	7262.4	9302.0	7551.0	992.9	81.18
84.5	115.0	7184.4	9722.5	7834.9	1041.4	80.58
84.5	120.0	7114.2	10142.8	8119.6	1089.9	80.05