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Dateiname : ''
Datum : 09.03.2005 14:11:56

Bezeichnung : Orbit 25/18 (HP 355/25/B14 P10)
Seriennummer : 0205
Prüfnummer : 210205
Besonderes : future 32.55K

Versuchsaufbau

Messparameter

Grundlast : 5 %
Hebelarmlänge : 60 mm
Waagezelle : 50 N
Dämpfungsfaktor: 5
Regelzeit : 100 ms

Strom von : 10 A bis : 40 A
Schrittweite : 1.0 A
Reglerausgang : 100 %

Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Wirkungsgrad [%]	Drehmoment [Ncm]	Temp. [°C]
9.9	10.0	4837.0	99.1	86.7	87.46	17.1	24.0
9.9	11.0	4781.0	109.1	95.9	87.85	19.1	24.0
9.9	12.0	4728.0	119.0	104.8	88.06	21.2	24.0
9.9	13.0	4680.0	128.0	112.8	88.09	23.0	24.0
9.8	14.0	4628.0	137.9	121.5	88.07	25.1	24.0
9.8	15.1	4577.0	147.7	129.9	87.92	27.1	24.0
9.8	16.0	4528.0	157.0	137.7	87.68	29.0	24.0
9.8	17.2	4474.0	167.9	146.6	87.30	31.3	24.0
9.7	18.1	4429.0	176.5	153.5	86.99	33.1	24.0
9.7	19.1	4382.0	185.7	160.8	86.58	35.0	24.0
9.7	20.1	4334.0	195.2	168.2	86.15	37.1	24.0
9.7	21.1	4289.0	204.2	174.8	85.62	38.9	24.0
9.7	22.0	4245.0	213.1	181.3	85.06	40.8	24.0
9.7	23.0	4196.0	222.7	188.2	84.52	42.8	24.0
9.6	24.1	4147.0	232.3	195.0	83.92	44.9	24.0
9.6	25.1	4101.0	241.3	200.9	83.24	46.8	24.0
9.6	26.1	4052.0	251.0	207.1	82.50	48.8	24.0
9.6	27.1	4006.0	259.7	212.4	81.80	50.6	24.0
9.6	28.1	3960.0	268.8	217.8	81.01	52.5	24.0
9.6	29.1	3911.0	278.3	223.3	80.26	54.5	24.0
9.5	30.1	3865.0	287.5	228.5	79.50	56.5	24.0
9.5	30.9	3826.0	294.2	232.1	78.89	57.9	24.0
9.5	32.1	3769.0	305.0	237.9	77.99	60.3	24.0
9.5	33.0	3723.0	313.5	242.0	77.19	62.1	24.0
9.5	34.0	3676.0	322.2	246.1	76.40	63.9	24.0
9.5	34.8	3632.0	329.8	249.5	75.64	65.6	24.0
9.4	36.1	3571.0	341.3	254.5	74.57	68.1	24.0
9.4	37.0	3523.0	349.5	257.7	73.74	69.9	24.0
9.4	37.8	3485.0	355.6	260.1	73.13	71.3	24.0
9.4	39.2	3416.0	368.0	264.3	71.83	73.9	24.0
9.4	39.8	3381.0	373.5	266.0	71.21	75.1	24.0



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Dateiname      : ''
Datum          : 09.03.2005 14:12:28

Bezeichnung    : Orbit 25/18 (HP 355/25/B18 P10)
Seriennummer   : 0205
Prüfnummer     : 210205
Besonderes     : future 32.55K

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Versuchsaufbau                               Messparameter
-----
Grundlast      : 5 %                          Strom von : 10 A bis : 40 A
Hebelarmlänge : 60 mm                        Schrittweite : 1.0 A
Waagezelle     : 50 N                         Reglerausgang : 100 %
Dämpfungsfaktor : 5
Regelzeit      : 100 ms

```

Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Wirkungsgrad [%]	Drehmoment [Ncm]	Temp. [°C]
12.4	10.0	6083.0	124.0	106.3	85.75	16.7	24.0
12.4	11.0	6018.0	136.2	117.8	86.45	18.7	24.0
12.3	11.9	5966.0	146.8	127.6	86.93	20.4	24.0
12.3	13.0	5904.0	160.3	139.8	87.22	22.6	24.0
12.3	14.0	5848.0	172.4	151.0	87.57	24.7	24.0
12.3	15.1	5791.0	185.1	162.0	87.54	26.7	24.0
12.2	16.2	5732.0	198.1	173.4	87.57	28.9	24.0
12.2	17.1	5685.0	208.7	182.5	87.46	30.7	24.0
12.2	18.1	5630.0	220.9	192.7	87.24	32.7	24.0
12.2	19.1	5577.0	233.2	202.9	87.00	34.7	24.0
12.2	20.0	5528.0	243.9	211.6	86.77	36.6	24.0
12.1	21.1	5475.0	256.2	221.4	86.41	38.6	24.0
12.1	22.1	5421.0	268.4	231.3	86.18	40.7	24.0
12.1	23.0	5374.0	278.9	239.2	85.76	42.5	24.0
12.1	23.9	5329.0	289.1	247.0	85.44	44.3	24.0
12.1	25.3	5260.0	305.0	258.7	84.82	47.0	24.0
12.0	26.3	5207.0	316.9	267.0	84.26	49.0	24.0
12.0	27.1	5165.0	326.1	273.3	83.83	50.5	24.0
12.0	27.9	5124.0	335.1	279.7	83.47	52.1	24.0
12.0	29.1	5062.0	348.9	288.7	82.75	54.5	24.0
12.0	29.8	5024.0	357.1	293.9	82.32	55.9	24.0
12.0	31.1	4955.0	372.4	303.5	81.51	58.5	24.0
11.9	32.1	4906.0	383.2	310.0	80.90	60.3	24.0
11.9	33.2	4849.0	395.3	317.3	80.27	62.5	24.0
11.9	33.8	4810.0	403.1	321.5	79.76	63.8	24.0
11.9	35.0	4747.0	416.3	328.9	79.00	66.2	24.0
11.9	36.2	4686.0	429.1	335.5	78.18	68.4	24.0
11.9	36.7	4654.0	435.2	338.3	77.73	69.4	24.0
11.8	37.6	4602.0	445.4	343.1	77.03	71.2	24.0
11.8	39.2	4520.0	462.4	350.8	75.85	74.1	24.0
11.8	40.1	4466.0	472.6	354.9	75.09	75.9	24.0

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Dateiname      : ''
Datum          : 09.03.2005 14:12:49

Bezeichnung    : Orbit 25/18 (HP 355/25/B18 P10)
Seriennummer  : 0205
Prüfnummer    : 210205
Besonderes    : future 32.55K

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Versuchsaufbau                               Messparameter
-----
Grundlast      : 5 %                          Strom von : 10 A bis : 40 A
Hebelarmlänge : 60 mm                       Schrittweite : 1.0 A
Waagezelle    : 50 N                         Reglerausgang : 100 %
Dämpfungsfaktor: 5
Regelzeit     : 100 ms

```

Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Wirkungsgrad [%]	Drehmoment [Ncm]	Temp. [°C]
15.0	9.9	7351.0	148.5	128.5	86.52	16.7	24.0
14.9	10.9	7282.0	162.5	141.6	87.14	18.6	24.0
14.9	12.0	7214.0	178.0	156.2	87.77	20.7	24.0
14.8	13.0	7149.0	193.2	170.4	88.19	22.8	24.0
14.8	14.0	7088.0	207.5	183.6	88.49	24.7	24.0
14.8	15.0	7030.0	221.5	196.4	88.67	26.7	24.0
14.7	16.0	6968.0	236.7	210.0	88.72	28.8	24.0
14.7	17.0	6909.0	251.0	222.7	88.74	30.8	24.0
14.7	18.1	6851.0	265.7	235.5	88.62	32.8	24.0
14.7	19.1	6792.0	280.3	248.1	88.51	34.9	24.0
14.6	20.1	6738.0	294.1	259.7	88.31	36.8	24.0
14.6	21.1	6682.0	308.5	271.6	88.05	38.8	24.0
14.6	22.2	6624.0	323.3	282.8	87.47	40.8	24.0
14.6	23.2	6567.0	338.1	295.1	87.28	42.9	24.0
14.6	24.0	6520.0	349.9	304.7	87.08	44.6	24.0
14.5	25.2	6456.0	366.4	317.8	86.74	47.0	24.0
14.5	26.2	6404.0	379.5	327.8	86.37	48.9	24.0
14.5	27.1	6352.0	392.9	337.3	85.85	50.7	24.0
14.5	27.8	6313.0	402.5	344.4	85.55	52.1	24.0
14.4	29.1	6242.0	420.8	357.6	84.98	54.7	24.0
14.4	30.0	6195.0	432.4	365.9	84.61	56.4	24.0
14.4	31.3	6124.0	450.5	378.3	83.98	59.0	24.0
14.4	32.3	6068.0	463.8	387.1	83.45	60.9	24.0
14.4	33.1	6024.0	474.6	394.2	83.06	62.5	24.0
14.3	33.7	5985.0	482.8	399.7	82.80	63.8	24.0
14.3	35.2	5901.0	504.2	412.7	81.86	66.8	24.0
14.3	35.9	5860.0	512.8	418.0	81.53	68.1	24.0
14.3	37.4	5779.0	532.9	429.2	80.54	70.9	24.0
14.3	38.1	5734.0	542.8	434.8	80.10	72.4	24.0
14.2	39.0	5675.0	555.6	441.8	79.51	74.3	24.0
14.2	40.1	5614.0	569.8	448.8	78.76	76.3	24.0



Dateiname : ''
Datum : 09.03.2005 14:13:06

Bezeichnung : Orbit 25/18 (HP 355/25/B18 P10)
Seriennummer : 0205
Prüfnummer : 210205
Besonderes : future 32.55K

Versuchsaufbau

Messparameter

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-----
Grundlast      : 5 %
Hebelarmlänge : 60 mm
Waagezelle     : 50 N
Dämpfungsfaktor : 5
Regelzeit      : 100 ms

Strom von      : 10 A bis : 40 A
Schrittweite   : 1.0 A
Reglerausgang  : 100 %

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Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Wirkungsgrad [%]	Drehmoment [Ncm]	Temp. [°C]
17.4	10.0	8576.0	174.8	148.3	84.81	16.5	24.0
17.4	10.9	8508.0	190.0	162.8	85.69	18.3	24.0
17.3	12.0	8434.0	208.1	179.9	86.45	20.4	24.0
17.3	13.1	8363.0	226.0	196.7	87.06	22.5	24.0
17.3	14.0	8302.0	241.1	210.9	87.51	24.3	24.0
17.2	15.1	8229.0	259.7	228.1	87.85	26.5	24.0
17.2	16.1	8165.0	276.7	243.7	88.07	28.5	24.0
17.2	17.1	8100.0	293.5	259.0	88.24	30.5	24.0
17.1	18.0	8041.0	309.3	273.2	88.34	32.4	24.0
17.1	19.0	7982.0	325.0	287.3	88.41	34.4	24.0
17.1	20.1	7917.0	342.8	302.7	88.30	36.5	24.0
17.0	21.1	7856.0	359.5	316.9	88.15	38.5	24.0
17.0	22.1	7797.0	375.7	330.7	88.01	40.5	24.0
17.0	23.0	7741.0	391.3	343.9	87.90	42.4	24.0
17.0	24.3	7666.0	412.4	361.1	87.56	45.0	24.0
16.9	25.1	7617.0	425.5	372.0	87.42	46.6	24.0
16.9	26.1	7560.0	441.1	384.5	87.17	48.6	24.0
16.9	27.1	7500.0	457.8	397.6	86.86	50.6	24.0
16.9	28.1	7442.0	473.6	409.7	86.49	52.6	24.0
16.8	29.1	7381.0	490.3	422.3	86.12	54.6	24.0
16.8	30.1	7323.0	505.9	433.9	85.77	56.6	24.0
16.8	31.1	7265.0	521.7	445.4	85.37	58.5	24.0
16.7	32.2	7201.0	538.6	457.6	84.96	60.7	24.0
16.7	33.2	7142.0	554.5	468.7	84.53	62.7	24.0
16.7	34.3	7072.0	573.2	481.4	83.99	65.0	24.0
16.7	34.9	7036.0	581.3	486.7	83.72	66.1	24.0
16.6	36.4	6946.0	605.3	502.3	82.99	69.1	24.0
16.6	36.8	6919.0	611.2	505.9	82.77	69.8	24.0
16.6	38.4	6822.0	637.0	521.7	81.89	73.0	24.0
16.6	38.8	6792.0	643.3	525.0	81.60	73.8	24.0
16.5	40.4	6697.0	667.8	539.5	80.79	76.9	24.0



Dateiname : ''
Datum : 09.03.2005 14:13:22

Bezeichnung : Orbit 25/18 (HP 355/25/B18 P10)
Seriennummer : 0205
Prüfnummer : 210205
Besonderes : future 32.55K

Versuchsaufbau	Messparameter
-----	-----
Grundlast : 5 %	Strom von : 10 A bis : 45 A
Hebelarmlänge : 60 mm	Schrittweite : 1.0 A
Waagezelle : 50 N	Reglerausgang : 100 %
Dämpfungsfaktor: 5	
Regelzeit : 100 ms	

Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Wirkungsgrad [%]	Drehmoment [Ncm]	Temp. [°C]
19.9	10.1	9788.0	200.8	168.9	84.14	16.5	24.0
19.9	11.0	9718.0	218.9	186.8	85.33	18.4	24.0
19.8	12.0	9648.0	236.8	203.4	85.91	20.1	24.0
19.8	13.0	9574.0	256.9	222.5	86.60	22.2	24.0
19.7	13.9	9509.0	274.3	238.8	87.05	24.0	24.0
19.7	15.0	9430.0	295.8	258.8	87.50	26.2	24.0
19.7	16.1	9359.0	315.6	277.0	87.77	28.3	24.0
19.6	16.9	9304.0	330.8	291.4	88.07	29.9	24.0
19.6	18.1	9224.0	354.0	312.7	88.32	32.4	24.0
19.5	19.0	9161.0	372.2	329.4	88.49	34.3	24.0
19.5	20.1	9094.0	391.8	347.2	88.61	36.5	24.0
19.5	21.1	9028.0	410.8	363.8	88.55	38.5	24.0
19.4	22.2	8962.0	430.8	380.9	88.44	40.6	24.0
19.4	22.9	8910.0	445.5	394.0	88.44	42.2	24.0
19.4	24.2	8829.0	470.0	414.7	88.24	44.9	24.0
19.4	25.2	8771.0	486.9	428.6	88.03	46.7	24.0
19.3	26.1	8713.0	504.0	442.6	87.83	48.5	24.0
19.3	27.1	8647.0	523.4	458.5	87.60	50.6	24.0
19.3	28.2	8582.0	542.8	473.6	87.26	52.7	24.0
19.2	29.2	8520.0	560.6	487.5	86.97	54.6	24.0
19.2	30.2	8455.0	579.9	502.4	86.64	56.7	24.0
19.2	31.0	8401.0	595.2	514.3	86.41	58.5	24.0
19.1	32.1	8332.0	615.3	529.4	86.04	60.7	24.0
19.1	33.1	8270.0	632.9	542.5	85.72	62.6	24.0
19.1	34.2	8203.0	651.7	556.1	85.34	64.7	24.0
19.0	35.4	8128.0	673.4	571.4	84.86	67.1	24.0
19.0	35.8	8097.0	680.5	576.2	84.67	68.0	24.0
19.0	37.3	8004.0	708.4	594.4	83.91	70.9	24.0
19.0	38.3	7934.0	726.6	607.0	83.55	73.1	24.0
18.9	39.3	7871.0	743.3	617.5	83.07	74.9	24.0
18.9	40.0	7820.0	755.6	625.4	82.76	76.4	24.0
18.9	41.2	7739.0	777.8	638.0	82.02	78.7	24.0
18.8	42.1	7677.0	793.6	646.9	81.51	80.5	24.0
18.8	43.1	7607.0	811.4	656.6	80.92	82.4	24.0
18.8	44.2	7533.0	830.9	666.8	80.26	84.5	24.0
18.8	45.2	7465.0	847.4	675.3	79.68	86.4	24.0



Dateiname : ''
Datum : 09.03.2005 14:13:45

Bezeichnung : Orbit 25/18 (HP 355/25/B18 P10)
Seriennummer : 0205
Prüfnummer : 210205
Besonderes : future 32.55K

Versuchsaufbau

Messparameter

Grundlast : 5 %
Hebelarmlänge : 60 mm
Waagezelle : 50 N
Dämpfungsfaktor: 5
Regelzeit : 100 ms

Strom von : 10 A bis : 45 A
Schrittweite : 1.0 A
Reglerausgang : 100 %

Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Wirkungsgrad [%]	Drehmoment [Ncm]	Temp. [°C]
21.5	9.9	10578.0	213.1	170.3	79.92	15.4	22.0
21.4	10.9	10493.0	233.9	191.0	81.67	17.4	22.0
21.4	11.9	10416.0	255.4	212.0	83.00	19.4	22.0
21.3	12.9	10343.0	276.0	231.8	83.99	21.4	22.0
21.3	13.9	10270.0	296.6	251.7	84.86	23.4	22.0
21.3	14.8	10206.0	315.1	269.6	85.54	25.2	22.0
21.2	16.0	10120.0	340.4	293.3	86.16	27.7	22.0
21.2	17.1	10049.0	361.5	313.0	86.58	29.7	22.0
21.1	18.0	9979.0	381.5	331.7	86.94	31.7	22.0
21.1	19.1	9906.0	403.6	351.7	87.13	33.9	22.0
21.1	20.0	9850.0	420.2	366.6	87.24	35.5	22.0
21.0	21.1	9777.0	443.2	387.1	87.35	37.8	22.0
21.0	22.2	9703.0	465.9	407.7	87.50	40.1	22.0
21.0	23.0	9649.0	481.6	421.1	87.45	41.7	22.0
20.9	23.9	9593.0	499.5	436.6	87.40	43.5	22.0
20.9	25.2	9512.0	525.3	458.8	87.33	46.1	22.0
20.9	26.2	9443.0	547.4	477.2	87.18	48.3	22.0
20.8	27.1	9385.0	565.1	492.1	87.07	50.1	22.0
20.8	28.0	9328.0	582.9	506.5	86.90	51.9	22.0
20.8	29.3	9249.0	608.0	526.7	86.63	54.4	22.0
20.7	30.2	9192.0	625.5	540.8	86.46	56.2	22.0
20.7	30.8	9150.0	637.7	550.6	86.33	57.5	22.0
20.7	32.0	9074.0	661.9	569.2	86.00	59.9	22.0
20.6	33.2	8997.0	685.9	587.2	85.61	62.3	22.0
20.6	34.2	8935.0	704.3	601.1	85.35	64.2	22.0
20.6	35.2	8871.0	723.5	614.7	84.97	66.2	22.0
20.5	36.1	8806.0	742.5	628.3	84.62	68.1	22.0
20.5	36.7	8765.0	753.8	636.1	84.40	69.3	22.0
20.5	38.1	8677.0	780.6	654.8	83.89	72.1	22.0
20.5	39.2	8607.0	801.1	668.4	83.44	74.2	22.0
20.4	40.2	8535.0	821.7	681.9	82.99	76.3	22.0
20.4	40.7	8500.0	829.8	687.0	82.80	77.2	22.0
20.4	42.4	8389.0	863.3	708.4	82.06	80.6	22.0
20.3	42.7	8360.0	869.1	711.4	81.86	81.3	22.0
20.3	44.2	8262.0	898.3	729.0	81.16	84.3	22.0
20.3	44.8	8218.0	908.5	734.2	80.82	85.3	22.0

Dateiname : ''
Datum : 09.03.2005 14:14:03

Bezeichnung : Orbit 25/18 (HP 355/25/B18 P10)
Seriennummer : 0205
Prüfnummer : 210205
Besonderes : future 32.55K

Versuchsaufbau

Messparameter

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-----
Grundlast      :    5 %           Strom von : 10 A   bis : 50 A
Hebelarmlänge :   60 mm         Schrittweite : 1.0 A
Waagezelle     :   50 N         Reglerausgang : 100 %
Dämpfungsfaktor :    5
Regelzeit      :  100 ms

```

Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Wirkungsgrad [%]	Drehmoment [Ncm]	Temp. [°C]
24.0	10.0	11777.0	238.5	192.5	80.68	15.6	23.0
23.9	11.0	11686.0	262.0	215.8	82.36	17.6	23.0
23.8	11.9	11609.0	283.4	236.8	83.57	19.5	23.0
23.8	12.9	11528.0	307.1	259.6	84.54	21.5	23.0
23.7	14.0	11444.0	331.8	283.6	85.47	23.7	23.0
23.7	15.0	11367.0	354.9	305.8	86.16	25.7	23.0
23.6	16.0	11290.0	378.1	327.6	86.64	27.7	23.0
23.6	17.0	11218.0	400.3	348.5	87.06	29.7	23.0
23.6	18.0	11142.0	424.6	371.2	87.42	31.8	23.0
23.5	19.0	11071.0	447.7	392.3	87.63	33.8	23.0
23.5	20.1	10997.0	471.6	414.4	87.86	36.0	23.0
23.5	21.1	10928.0	494.1	434.6	87.96	38.0	23.0
23.4	22.0	10864.0	514.7	453.0	88.02	39.8	23.0
23.4	23.0	10792.0	538.0	474.1	88.13	42.0	23.0
23.3	24.1	10718.0	563.3	496.2	88.09	44.2	23.0
23.3	25.2	10646.0	586.9	516.9	88.08	46.4	23.0
23.3	26.1	10585.0	606.8	534.2	88.03	48.2	23.0
23.2	27.0	10519.0	628.8	552.7	87.91	50.2	23.0
23.2	28.0	10452.0	651.1	571.4	87.77	52.2	23.0
23.2	29.2	10379.0	675.8	591.8	87.57	54.4	23.0
23.1	30.0	10322.0	694.6	607.2	87.41	56.2	23.0
23.1	31.2	10245.0	720.3	627.4	87.10	58.5	23.0
23.1	32.1	10182.0	740.4	643.7	86.94	60.4	23.0
23.0	33.1	10114.0	762.4	660.9	86.69	62.4	23.0
23.0	34.1	10046.0	785.2	678.2	86.38	64.5	23.0
23.0	35.2	9972.0	809.7	696.0	85.95	66.6	23.0
22.9	36.1	9910.0	827.8	710.1	85.79	68.4	23.0
22.9	37.2	9833.0	852.4	727.9	85.40	70.7	23.0
22.9	38.1	9767.0	872.5	741.9	85.03	72.5	22.0
22.9	38.5	9732.0	881.2	747.5	84.83	73.4	22.0
22.8	40.4	9608.0	922.2	776.5	84.21	77.2	22.0
22.8	40.9	9571.0	932.0	782.3	83.94	78.0	22.0
22.8	41.7	9511.0	949.2	793.5	83.60	79.7	22.0
22.7	43.2	9410.0	980.8	813.8	82.97	82.6	22.0
22.7	44.2	9333.0	1003.8	827.5	82.44	84.7	22.0
22.7	45.2	9264.0	1023.0	838.7	81.98	86.5	22.0
22.6	46.4	9175.0	1049.8	854.2	81.37	88.9	22.0
22.6	47.4	9099.0	1071.1	865.2	80.78	90.8	22.0
22.5	48.5	9016.0	1094.2	876.8	80.13	92.9	22.0
22.5	48.6	8997.0	1095.3	876.2	79.99	93.0	22.0
22.5	50.1	8891.0	1126.4	891.6	79.15	95.8	22.0

Dateiname : ''
Datum : 09.03.2005 14:14:24

Bezeichnung : Orbit 25/18 (HP 355/25/B18 P10)
Seriennummer : 0205
Prüfnummer : 210205
Besonderes : future 32.55K

Versuchsaufbau

Messparameter

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-----
Grundlast      : 5 %
Hebelarmlänge : 60 mm
Waagezelle     : 50 N
Dämpfungsfaktor : 5
Regelzeit      : 100 ms

Strom von      : 10 A bis : 50 A
Schrittweite   : 1.0 A
Reglerausgang  : 100 %

```

Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Wirkungsgrad [%]	Drehmoment [Ncm]	Temp. [°C]
25.2	9.9	12371.0	248.7	197.6	79.46	15.3	23.0
25.1	11.0	12270.0	276.1	224.5	81.31	17.5	23.0
25.0	12.0	12185.0	300.6	248.3	82.61	19.5	23.0
25.0	13.0	12108.0	323.7	270.8	83.67	21.4	23.0
24.9	13.9	12031.0	346.8	293.8	84.73	23.3	23.0
24.9	15.0	11944.0	373.2	319.5	85.62	25.5	23.0
24.9	16.0	11865.0	398.4	342.9	86.09	27.6	23.0
24.8	17.0	11788.0	422.7	365.7	86.52	29.6	23.0
24.8	17.8	11726.0	442.1	384.5	86.97	31.3	23.0
24.7	18.9	11653.0	466.4	406.9	87.25	33.3	23.0
24.7	20.0	11574.0	493.3	431.4	87.45	35.6	23.0
24.6	21.0	11500.0	518.1	453.4	87.51	37.6	23.0
24.6	22.1	11427.0	543.2	475.7	87.59	39.8	23.0
24.6	23.2	11348.0	570.0	500.3	87.76	42.1	23.0
24.5	24.1	11285.0	591.3	519.2	87.81	43.9	23.0
24.5	25.1	11217.0	614.3	539.3	87.80	45.9	23.0
24.5	26.1	11146.0	639.0	561.1	87.81	48.1	23.0
24.4	27.1	11080.0	661.1	580.1	87.74	50.0	23.0
24.4	28.1	11013.0	684.6	600.1	87.66	52.0	23.0
24.4	29.2	10936.0	711.0	622.6	87.57	54.4	23.0
24.3	30.1	10873.0	732.7	640.3	87.40	56.2	23.0
24.3	31.2	10800.0	757.1	660.4	87.23	58.4	23.0
24.3	32.1	10737.0	778.2	677.5	87.06	60.3	23.0
24.2	33.1	10666.0	802.3	696.6	86.83	62.4	23.0
24.2	33.7	10622.0	815.8	707.3	86.70	63.6	23.0
24.2	35.3	10518.0	851.6	735.1	86.33	66.7	23.0
24.1	35.8	10479.0	863.2	743.7	86.16	67.8	23.0
24.1	37.3	10373.0	899.2	770.9	85.73	71.0	23.0
24.0	38.4	10295.0	924.3	789.0	85.37	73.2	23.0
24.0	38.8	10265.0	931.8	794.1	85.22	73.9	23.0
24.0	40.2	10166.0	964.8	817.2	84.69	76.8	23.0
24.0	41.1	10103.0	984.0	829.9	84.34	78.4	23.0
23.9	42.2	10019.0	1010.2	847.4	83.89	80.8	23.0
23.9	43.2	9947.0	1032.9	861.8	83.44	82.7	23.0
23.8	44.2	9877.0	1053.4	874.7	83.04	84.6	23.0
23.8	45.3	9792.0	1078.0	890.0	82.56	86.8	23.0
23.8	46.4	9712.0	1102.9	904.7	82.03	89.0	23.0
23.8	46.6	9688.0	1106.4	905.5	81.84	89.2	23.0
23.7	48.3	9566.0	1145.8	928.0	80.99	92.6	23.0
23.7	48.7	9528.0	1153.8	931.3	80.72	93.3	23.0
23.6	50.4	9407.0	1191.9	951.2	79.81	96.6	23.0

Dateiname : ''
Datum : 09.03.2005 14:14:40

Bezeichnung : Orbit 25/18 (HP 355/25/B18 P10)
Seriennummer : 0205
Prüfnummer : 210205
Besonderes : future 32.55K

Versuchsaufbau

Messparameter

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-----
Grundlast      :    5 %           Strom von : 10 A   bis : 50 A
Hebelarmlänge :   60 mm         Schrittweite : 1.0 A
Waagezelle    :   50 N         Reglerausgang : 100 %
Dämpfungsfaktor:    5
Regelzeit     :  100 ms

```

Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Wirkungsgrad [%]	Drehmoment [Ncm]	Temp. [°C]
27.6	9.9	13571.0	274.2	213.0	77.68	15.0	23.0
27.6	11.0	13471.0	301.9	240.0	79.52	17.0	23.0
27.5	11.9	13387.0	326.6	264.8	81.08	18.9	23.0
27.5	13.0	13291.0	356.9	294.9	82.62	21.2	23.0
27.4	13.9	13212.0	381.7	319.4	83.66	23.1	23.0
27.4	14.9	13132.0	406.8	343.8	84.52	25.0	23.0
27.3	15.8	13057.0	431.2	367.9	85.31	26.9	23.0
27.3	17.0	12965.0	462.3	397.0	85.86	29.2	23.0
27.2	17.8	12890.0	485.3	419.4	86.43	31.1	23.0
27.2	19.0	12808.0	514.9	447.0	86.82	33.3	23.0
27.1	20.0	12728.0	543.4	473.0	87.04	35.5	23.0
27.1	21.1	12650.0	570.5	498.0	87.29	37.6	23.0
27.0	22.1	12572.0	598.5	523.4	87.46	39.8	23.0
27.0	23.0	12506.0	621.2	544.7	87.69	41.6	23.0
27.0	24.1	12429.0	650.4	570.2	87.67	43.8	23.0
26.9	25.0	12358.0	674.3	591.5	87.72	45.7	23.0
26.9	26.2	12276.0	703.4	617.3	87.76	48.0	23.0
26.9	27.1	12209.0	727.7	638.1	87.69	49.9	23.0
26.8	28.0	12140.0	751.9	659.2	87.67	51.9	23.0
26.8	29.1	12062.0	780.3	683.2	87.56	54.1	23.0
26.7	30.1	11994.0	804.6	703.8	87.47	56.0	23.0
26.7	31.1	11919.0	831.5	726.3	87.35	58.2	23.0
26.7	32.1	11850.0	855.7	745.9	87.17	60.1	23.0
26.6	33.2	11771.0	883.2	768.6	87.02	62.4	23.0
26.6	34.2	11699.0	908.6	789.0	86.83	64.4	23.0
26.6	34.7	11656.0	922.1	799.7	86.72	65.5	23.0
26.5	36.2	11554.0	959.2	828.2	86.35	68.5	23.0
26.5	37.2	11477.0	985.5	848.4	86.08	70.6	23.0
26.4	38.1	11409.0	1007.9	865.2	85.84	72.4	23.0
26.4	39.2	11329.0	1034.9	884.9	85.50	74.6	23.0
26.4	40.1	11260.0	1057.3	900.8	85.19	76.4	23.0
26.3	41.1	11184.0	1082.7	918.5	84.83	78.4	23.0
26.3	42.1	11110.0	1106.2	935.0	84.52	80.4	23.0
26.3	43.3	11018.0	1136.9	955.8	84.07	82.8	23.0
26.2	44.4	10934.0	1164.6	974.4	83.67	85.1	23.0
26.2	45.2	10869.0	1184.4	986.2	83.27	86.6	23.0
26.2	46.1	10796.0	1206.7	999.9	82.87	88.4	23.0
26.1	47.1	10719.0	1230.4	1013.7	82.39	90.3	23.0
26.1	48.3	10625.0	1259.7	1030.8	81.83	92.6	23.0
26.1	48.6	10592.0	1266.5	1033.2	81.58	93.2	23.0
26.0	50.3	10463.0	1308.9	1057.0	80.75	96.5	23.0

Dateiname : ''
Datum : 09.03.2005 14:14:56

Bezeichnung : Orbit 25/18 (HP 355/25/B18 P10)
Seriennummer : 0205
Prüfnummer : 210205
Besonderes : future 32.55K

Versuchsaufbau	Messparameter
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Grundlast : 5 %	Strom von : 10 A bis : 50 A
Hebelarmlänge : 60 mm	Schrittweite : 1.0 A
Waagezelle : 50 N	Reglerausgang : 100 %
Dämpfungsfaktor: 5	
Regelzeit : 100 ms	

Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Wirkungsgrad [%]	Drehmoment [Ncm]	Temp. [°C]
30.1	9.8	14786.0	296.9	232.5	78.32	15.0	23.0
30.1	11.0	14668.0	331.9	267.1	80.48	17.4	23.0
30.0	12.0	14581.0	358.8	293.5	81.81	19.2	23.0
29.9	13.0	14488.0	388.7	323.2	83.14	21.3	23.0
29.9	13.9	14402.0	416.4	351.0	84.30	23.3	23.0
29.8	15.0	14311.0	447.2	381.2	85.23	25.4	23.0
29.8	15.9	14232.0	473.6	407.0	85.93	27.3	23.0
29.7	16.9	14150.0	502.3	434.1	86.43	29.3	23.0
29.7	17.9	14068.0	530.6	461.6	86.99	31.3	23.0
29.6	18.8	13993.0	557.4	486.9	87.35	33.2	23.0
29.6	19.9	13902.0	590.3	517.8	87.72	35.6	23.0
29.6	21.0	13817.0	621.2	546.6	87.98	37.8	23.0
29.5	22.0	13741.0	649.3	571.8	88.07	39.7	23.0
29.5	23.0	13660.0	678.7	598.9	88.24	41.9	23.0
29.4	23.7	13606.0	698.6	617.3	88.37	43.3	23.0
29.4	25.0	13512.0	734.7	650.4	88.52	46.0	23.0
29.3	26.1	13431.0	765.3	677.4	88.51	48.2	23.0
29.3	27.0	13357.0	792.5	701.4	88.50	50.1	23.0
29.3	28.1	13279.0	822.6	727.1	88.39	52.3	23.0
29.2	29.1	13204.0	851.0	751.3	88.28	54.3	23.0
29.2	30.1	13127.0	878.5	775.1	88.23	56.4	23.0
29.2	31.0	13061.0	903.4	796.7	88.19	58.2	23.0
29.1	32.0	12983.0	932.7	820.8	88.01	60.4	23.0
29.1	33.2	12900.0	963.5	846.0	87.80	62.6	23.0
29.0	34.0	12835.0	987.1	864.4	87.57	64.3	23.0
29.0	35.1	12755.0	1016.4	887.3	87.30	66.4	23.0
28.9	36.2	12672.0	1046.5	910.5	87.01	68.6	23.0
28.9	37.1	12598.0	1072.9	930.6	86.73	70.5	23.0
28.9	38.2	12516.0	1102.5	954.1	86.53	72.8	23.0
28.8	38.8	12463.0	1120.5	967.9	86.38	74.2	23.0
28.8	40.3	12355.0	1159.9	997.8	86.02	77.1	23.0
28.8	41.1	12286.0	1182.7	1014.1	85.75	78.8	23.0
28.7	42.2	12202.0	1212.6	1035.5	85.39	81.0	23.0
28.7	42.6	12162.0	1223.8	1042.9	85.22	81.9	23.0
28.6	44.3	12039.0	1269.1	1074.4	84.66	85.2	23.0
28.6	44.7	11996.0	1280.1	1081.8	84.51	86.1	23.0
28.6	46.2	11889.0	1318.1	1106.6	83.95	88.9	23.0
28.5	47.3	11796.0	1348.9	1125.9	83.47	91.1	23.0
28.5	47.6	11762.0	1356.4	1129.4	83.27	91.7	23.0
28.4	49.5	11618.0	1408.4	1157.2	82.16	95.1	23.0
28.4	49.7	11593.0	1411.4	1157.3	81.99	95.3	23.0

Dateiname : ''
Datum : 09.03.2005 14:15:08

Bezeichnung : Orbit 25/18 (HP 355/25/B18 P10)
Seriennummer : 0205
Prüfnummer : 210205
Besonderes : future 32.55K

Versuchsaufbau	Messparameter
-----	-----
Grundlast : 5 %	Strom von : 10 A bis : 50 A
Hebelarmlänge : 60 mm	Schrittweite : 1.0 A
Waagezelle : 50 N	Reglerausgang : 100 %
Dämpfungsfaktor: 5	
Regelzeit : 100 ms	

Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Wirkungsgrad [%]	Drehmoment [Ncm]	Temp. [°C]
31.3	9.8	15363.0	306.6	239.7	78.17	14.9	23.0
31.2	11.0	15246.0	341.7	273.9	80.14	17.2	23.0
31.2	12.0	15143.0	375.4	306.4	81.62	19.3	23.0
31.1	13.0	15054.0	404.3	335.9	83.08	21.3	23.0
31.0	14.0	14965.0	434.4	366.6	84.40	23.4	23.0
31.0	14.9	14886.0	461.4	392.9	85.17	25.2	23.0
31.0	15.9	14801.0	491.0	421.5	85.83	27.2	23.0
30.9	16.9	14712.0	522.4	451.5	86.41	29.3	23.0
30.9	17.9	14629.0	551.6	479.0	86.83	31.3	23.0
30.8	19.0	14539.0	584.4	509.8	87.24	33.5	23.0
30.8	20.0	14453.0	616.2	538.8	87.44	35.6	23.0
30.7	20.9	14381.0	641.9	562.1	87.58	37.3	23.0
30.7	22.0	14291.0	675.8	593.4	87.81	39.7	23.0
30.7	22.8	14228.0	699.0	615.2	88.02	41.3	23.0
30.6	24.0	14136.0	734.0	646.9	88.13	43.7	23.0
30.6	25.0	14053.0	764.5	674.3	88.21	45.8	23.0
30.5	26.0	13974.0	793.7	700.7	88.29	47.9	23.0
30.5	27.1	13887.0	826.3	729.1	88.24	50.1	23.0
30.4	28.1	13811.0	855.1	753.6	88.13	52.1	23.0
30.4	29.1	13735.0	884.0	777.8	87.99	54.1	23.0
30.4	30.1	13655.0	913.5	803.8	87.99	56.2	23.0
30.3	31.1	13578.0	942.8	828.6	87.89	58.3	23.0
30.3	32.2	13495.0	973.9	853.9	87.67	60.4	23.0
30.2	32.7	13451.0	988.6	866.6	87.66	61.5	23.0
30.2	34.2	13335.0	1032.9	902.7	87.40	64.6	23.0
30.2	34.6	13298.0	1045.4	912.3	87.27	65.5	23.0
30.1	36.2	13184.0	1089.2	946.7	86.91	68.6	23.0
30.1	37.0	13112.0	1113.8	965.6	86.70	70.3	23.0
30.0	38.2	13017.0	1148.1	991.6	86.37	72.7	23.0
30.0	38.7	12975.0	1161.0	1001.8	86.28	73.7	23.0
30.0	40.2	12857.0	1204.7	1034.5	85.87	76.8	23.0
29.9	40.7	12815.0	1217.8	1043.7	85.70	77.8	23.0
29.9	42.2	12694.0	1262.1	1075.9	85.24	80.9	23.0
29.8	43.2	12618.0	1288.2	1092.9	84.84	82.7	23.0
29.8	44.2	12537.0	1315.7	1112.8	84.58	84.8	23.0
29.8	45.2	12449.0	1345.7	1132.1	84.13	86.8	23.0
29.7	46.2	12363.0	1373.8	1150.0	83.70	88.8	23.0
29.7	47.2	12284.0	1400.0	1164.8	83.20	90.5	23.0
29.7	47.6	12243.0	1410.6	1169.6	82.91	91.2	23.0
29.6	49.2	12114.0	1456.0	1196.3	82.16	94.3	23.0
29.6	50.2	12031.0	1482.4	1208.8	81.54	95.9	23.0