

Dateiname : ''
Datum : 08.03.2005 12:30:25

Bezeichnung : Orbit 30/10 (HP 355/30/B10 P10)
Seriennummer : 01
Prüfnummer : 101104
Besonderes : future 32.55

Versuchsaufbau

Messparameter

Grundlast : 17 %
Hebelarmlänge : 120 mm
Waagezelle : 50 N
Dämpfungsfaktor: 5
Regelzeit : 100 ms

Strom von : 15 A bis : 60 A
Schrittweite : 1.0 A
Reglerausgang : 100 %

Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Wirkungsgrad [%]	Drehmoment [Ncm]	Temp. [°C]
12.6	14.9	9055.0	187.8	149.9	79.81	15.8	23.0
12.5	16.0	9001.0	200.3	161.9	80.80	17.2	23.0
12.5	17.0	8951.0	212.0	173.1	81.65	18.5	23.0
12.5	17.9	8904.0	223.6	184.3	82.43	19.8	23.0
12.5	18.9	8858.0	235.2	195.2	83.00	21.0	23.0
12.4	19.8	8814.0	246.4	205.9	83.58	22.3	23.0
12.4	20.8	8767.0	258.8	217.5	84.04	23.7	23.0
12.4	22.0	8714.0	272.7	230.4	84.48	25.2	23.0
12.4	23.0	8669.0	284.3	241.1	84.78	26.6	23.0
12.3	23.9	8630.0	294.5	250.2	84.95	27.7	23.0
12.3	25.0	8582.0	307.4	261.8	85.19	29.1	23.0
12.3	25.9	8539.0	318.6	271.8	85.32	30.4	23.0
12.3	27.0	8488.0	331.4	283.0	85.40	31.8	23.0
12.3	28.1	8441.0	344.1	294.2	85.51	33.3	23.0
12.2	28.7	8411.0	351.6	300.8	85.55	34.2	23.0
12.2	30.1	8355.0	367.2	314.2	85.59	35.9	23.0
12.2	31.1	8309.0	379.7	325.0	85.61	37.4	23.0
12.2	31.8	8279.0	386.9	331.5	85.68	38.2	23.0
12.2	33.0	8227.0	401.0	343.3	85.63	39.9	23.0
12.1	34.0	8182.0	412.6	353.1	85.58	41.2	23.0
12.1	35.1	8139.0	424.8	362.8	85.41	42.6	23.0
12.1	36.2	8092.0	437.2	373.2	85.36	44.0	23.0
12.1	36.7	8067.0	443.6	378.3	85.28	44.8	23.0
12.1	38.1	8011.0	459.5	390.4	84.97	46.5	23.0
12.0	39.1	7965.0	470.5	400.3	85.08	48.0	23.0
12.0	40.2	7921.0	482.3	409.7	84.95	49.4	23.0
12.0	40.7	7895.0	488.6	414.6	84.86	50.1	23.0
12.0	42.1	7837.0	503.9	426.6	84.66	52.0	23.0
12.0	43.2	7791.0	515.7	435.8	84.50	53.4	23.0
11.9	44.1	7748.0	526.7	444.2	84.34	54.7	23.0
11.9	45.2	7702.0	538.4	452.9	84.12	56.1	23.0
11.9	45.7	7679.0	543.6	456.6	84.00	56.8	23.0
11.9	47.1	7620.0	559.3	468.3	83.73	58.7	24.0
11.9	47.7	7592.0	565.6	472.6	83.57	59.4	24.0
11.8	49.2	7528.0	582.3	484.8	83.26	61.5	24.0
11.8	50.2	7496.0	592.4	492.7	83.18	62.8	24.0
11.8	51.1	7455.0	602.4	499.5	82.92	64.0	24.0
11.8	52.3	7405.0	615.3	508.6	82.66	65.6	24.0
11.8	52.6	7387.0	618.7	510.9	82.57	66.0	24.0
11.7	54.3	7315.0	637.4	523.6	82.14	68.4	24.0
11.7	54.8	7292.0	641.7	526.2	81.99	68.9	24.0
11.7	56.2	7232.0	656.6	536.0	81.63	70.8	24.0
11.7	56.7	7204.0	662.3	539.5	81.45	71.5	24.0
11.7	58.2	7140.0	678.7	549.8	81.01	73.5	24.0
11.6	58.7	7117.0	682.9	552.2	80.85	74.1	24.0
11.6	60.3	7048.0	700.1	563.0	80.42	76.3	24.0



Dateiname : ''
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Bezeichnung : Orbit 30/10 (HP 355/30/B10 P10)
Seriennummer : 01
Prüfnummer : 101104
Besonderes : future 32.55

Versuchsaufbau	Messparameter
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Grundlast : 17 %	Strom von : 15 A bis : 60 A
Hebelarmlänge : 120 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	14.9	10799.0	223.8	174.5	77.97	15.4	24.0
15.0	16.0	10738.0	238.9	188.5	78.92	16.8	24.0
14.9	17.0	10681.0	253.6	203.1	80.09	18.2	24.0
14.9	17.9	10629.0	267.1	215.8	80.81	19.4	24.0
14.9	18.9	10576.0	281.8	229.4	81.41	20.7	24.0
14.9	20.0	10521.0	297.1	243.9	82.10	22.1	24.0
14.8	20.8	10479.0	308.7	254.8	82.54	23.2	24.0
14.8	21.8	10427.0	323.4	268.3	82.97	24.6	24.0
14.8	22.9	10373.0	339.1	283.0	83.46	26.1	24.0
14.8	23.9	10325.0	352.6	295.4	83.80	27.3	24.0
14.7	24.8	10280.0	365.9	307.5	84.03	28.6	24.0
14.7	25.8	10233.0	379.3	319.6	84.25	29.8	24.0
14.7	26.9	10184.0	394.5	333.5	84.53	31.3	24.0
14.7	28.1	10124.0	412.1	349.2	84.74	32.9	24.0
14.6	29.0	10080.0	425.2	361.0	84.90	34.2	24.0
14.6	29.7	10046.0	434.7	369.4	84.98	35.1	24.0
14.6	30.9	9991.0	451.4	383.9	85.06	36.7	24.0
14.6	32.0	9938.0	466.0	397.0	85.20	38.1	24.0
14.6	32.8	9906.0	476.6	406.1	85.20	39.1	24.0
14.5	34.1	9843.0	495.5	422.4	85.24	41.0	24.0
14.5	35.3	9788.0	511.2	435.8	85.24	42.5	24.0
14.5	35.8	9761.0	518.9	442.3	85.24	43.3	24.0
14.4	37.6	9683.0	542.8	462.3	85.16	45.6	24.0
14.4	38.2	9656.0	550.6	468.6	85.11	46.3	24.0
14.4	39.0	9615.0	562.3	478.5	85.10	47.5	24.0
14.4	39.7	9583.0	571.4	485.9	85.04	48.4	24.0
14.4	41.1	9520.0	590.1	501.3	84.95	50.3	24.0
14.3	42.2	9468.0	605.0	513.3	84.84	51.8	24.0
14.3	42.6	9444.0	610.8	517.8	84.77	52.4	24.0
14.3	44.0	9381.0	629.5	533.0	84.66	54.3	24.0
14.3	44.6	9354.0	636.5	538.4	84.58	55.0	25.0
14.3	46.0	9288.0	656.1	553.8	84.41	56.9	25.0
14.2	46.9	9248.0	667.4	562.5	84.27	58.1	25.0
14.2	48.5	9174.0	689.2	579.0	84.01	60.3	25.0
14.2	49.3	9135.0	699.3	586.6	83.88	61.3	25.0
14.2	49.6	9115.0	702.9	589.1	83.81	61.7	25.0
14.2	50.5	9072.0	714.5	597.8	83.67	62.9	25.0
14.1	52.0	9003.0	734.7	612.7	83.40	65.0	25.0
14.1	52.7	8967.0	743.6	619.0	83.24	65.9	25.0
14.1	54.3	8896.0	763.5	633.2	82.93	68.0	25.0
14.1	54.8	8869.0	770.1	637.5	82.78	68.6	25.0
14.0	56.1	8805.0	787.5	649.9	82.53	70.5	25.0
14.0	57.5	8742.0	804.9	661.8	82.22	72.3	25.0
14.0	57.8	8720.0	809.1	664.4	82.11	72.8	25.0
14.0	59.1	8659.0	825.7	675.4	81.80	74.5	25.0
13.9	59.6	8633.0	831.2	678.6	81.64	75.1	25.0

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Bezeichnung : Orbit 30/10 (HP 355/30/B10 P10)
Seriennummer : 01
Prüfnummer : 101104
Besonderes : future 32.55

Versuchsaufbau

Messparameter

Grundlast : 17 %
Hebelarmlänge : 120 mm
Waagezelle : 50 N
Dämpfungsfaktor: 5
Regelzeit : 100 ms

Strom von : 15 A bis : 65 A
Schrittweite : 1.0 A
Reglerausgang : 100 %

Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Wirkungsgrad [%]	Drehmoment [Ncm]	Temp. [°C]
17.5	15.0	12538.0	261.3	203.2	77.79	15.5	25.0
17.4	15.9	12475.0	277.5	219.5	79.08	16.8	25.0
17.4	17.0	12413.0	295.5	237.3	80.28	18.3	25.0
17.3	18.0	12348.0	312.8	253.9	81.15	19.6	25.0
17.3	19.0	12292.0	329.2	269.7	81.92	21.0	25.0
17.3	20.0	12235.0	345.4	284.9	82.48	22.2	25.0
17.3	20.9	12186.0	360.2	298.3	82.81	23.4	25.0
17.2	22.0	12127.0	378.0	315.5	83.45	24.8	25.0
17.2	22.8	12078.0	393.0	329.2	83.78	26.0	25.0
17.2	23.8	12024.0	409.3	345.0	84.27	27.4	25.0
17.1	24.8	11972.0	425.5	360.0	84.61	28.7	25.0
17.1	25.8	11918.0	442.3	375.3	84.86	30.1	25.0
17.1	26.8	11865.0	458.4	389.3	84.93	31.3	25.0
17.1	27.7	11819.0	473.1	403.1	85.21	32.6	25.0
17.0	29.1	11749.0	495.6	423.1	85.37	34.4	25.0
17.0	30.1	11697.0	511.9	438.3	85.63	35.8	25.0
17.0	30.8	11662.0	522.4	447.6	85.68	36.6	25.0
17.0	32.0	11599.0	542.8	465.4	85.75	38.3	25.0
16.9	32.7	11563.0	553.3	475.4	85.92	39.3	25.0
16.9	34.0	11496.0	574.7	493.8	85.91	41.0	25.0
16.9	34.7	11460.0	585.7	503.9	86.03	42.0	25.0
16.9	36.0	11396.0	606.1	521.7	86.08	43.7	26.0
16.8	37.1	11341.0	623.6	536.0	85.96	45.1	26.0
16.8	37.7	11308.0	633.0	544.5	86.03	46.0	26.0
16.8	39.1	11236.0	656.4	564.5	86.00	48.0	26.0
16.7	40.1	11187.0	671.6	577.1	85.92	49.3	26.0
16.7	40.8	11152.0	681.7	585.5	85.88	50.1	26.0
16.7	42.0	11091.0	701.1	601.5	85.80	51.8	26.0
16.7	42.6	11057.0	711.2	609.8	85.75	52.7	26.0
16.6	44.0	10986.0	733.1	628.0	85.66	54.6	26.0
16.6	45.2	10930.0	750.9	642.4	85.55	56.1	26.0
16.6	46.1	10882.0	765.2	653.5	85.40	57.3	26.0
16.6	47.1	10830.0	780.9	666.3	85.33	58.8	26.0
16.6	47.6	10802.0	788.4	672.5	85.29	59.4	26.0
16.5	49.2	10725.0	812.6	691.4	85.08	61.6	26.0
16.5	49.7	10694.0	820.8	697.5	84.98	62.3	26.0
16.5	51.1	10626.0	841.3	713.9	84.85	64.2	26.0
16.4	52.1	10574.0	857.3	725.2	84.60	65.5	26.0
16.4	52.7	10544.0	865.3	731.4	84.53	66.2	26.0
16.4	54.2	10468.0	888.6	749.3	84.33	68.4	26.0
16.4	54.8	10435.0	897.3	755.4	84.19	69.1	26.0
16.3	56.1	10369.0	916.8	769.7	83.95	70.9	26.0
16.3	56.6	10338.0	924.5	774.8	83.80	71.6	26.0
16.3	58.2	10264.0	947.3	790.7	83.46	73.6	26.0
16.3	59.1	10212.0	961.6	801.0	83.30	74.9	26.0
16.2	60.2	10154.0	978.1	812.4	83.06	76.4	26.0



Dateiname : ''
Datum : 08.03.2005 12:30:58

Bezeichnung : Orbit 30/10 (HP 355/30/B10 P10)
Seriennummer : 01
Prüfnummer : 101104
Besonderes : future 32.55

Versuchsaufbau	Messparameter
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Grundlast : 17 %	Strom von : 15 A bis : 70 A
Hebelarmlänge : 120 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	15.0	14280.0	298.2	219.3	73.53	14.7	25.0
19.9	16.1	14205.0	321.2	241.9	75.30	16.3	25.0
19.9	17.0	14147.0	336.7	257.8	76.56	17.4	25.0
19.8	18.0	14080.0	356.6	277.4	77.80	18.8	25.0
19.8	18.9	14022.0	374.0	294.1	78.64	20.0	25.0
19.8	19.9	13960.0	393.6	313.8	79.73	21.5	25.0
19.7	21.0	13898.0	413.6	332.7	80.43	22.9	25.0
19.7	21.9	13842.0	431.7	350.0	81.07	24.1	25.0
19.7	22.9	13785.0	450.4	368.1	81.72	25.5	25.0
19.6	23.9	13729.0	468.8	385.8	82.29	26.8	25.0
19.6	25.0	13666.0	489.9	405.6	82.80	28.3	25.0
19.6	25.9	13614.0	507.4	422.1	83.19	29.6	25.0
19.5	26.8	13565.0	523.3	436.4	83.39	30.7	25.0
19.5	27.8	13508.0	542.4	454.6	83.81	32.1	25.0
19.5	28.8	13457.0	560.5	471.5	84.12	33.5	25.0
19.4	29.8	13400.0	579.4	489.0	84.39	34.8	25.0
19.4	30.7	13349.0	596.5	504.6	84.59	36.1	25.0
19.4	31.7	13297.0	614.4	521.0	84.79	37.4	25.0
19.4	32.7	13242.0	632.9	538.2	85.03	38.8	25.0
19.3	33.8	13183.0	652.7	555.8	85.15	40.3	25.0
19.3	34.8	13133.0	670.7	571.7	85.23	41.6	25.0
19.3	35.7	13082.0	687.9	586.7	85.30	42.8	25.0
19.2	36.7	13025.0	706.8	603.6	85.40	44.3	25.0
19.2	37.7	12975.0	723.7	618.6	85.47	45.5	25.0
19.2	39.0	12906.0	747.7	639.6	85.55	47.3	25.0
19.2	40.1	12847.0	767.9	657.1	85.56	48.8	25.0
19.1	40.8	12808.0	780.4	668.3	85.63	49.8	25.0
19.1	42.1	12742.0	803.8	688.2	85.62	51.6	25.0
19.1	42.7	12708.0	813.8	696.6	85.59	52.3	25.0
19.0	44.0	12637.0	838.0	717.0	85.56	54.2	25.0
19.0	45.1	12578.0	857.9	733.7	85.53	55.7	26.0
19.0	45.7	12544.0	868.4	742.1	85.46	56.5	26.0
18.9	47.2	12472.0	893.4	763.4	85.46	58.5	26.0
18.9	47.6	12444.0	901.4	770.2	85.44	59.1	26.0
18.9	49.0	12372.0	925.2	789.3	85.31	60.9	26.0
18.9	49.6	12334.0	936.7	798.5	85.25	61.8	26.0
18.8	51.0	12260.0	961.3	818.7	85.17	63.8	26.0
18.8	51.7	12223.0	972.3	827.3	85.08	64.6	26.0
18.8	53.1	12150.0	996.3	846.3	84.95	66.5	26.0
18.7	54.1	12093.0	1014.9	861.0	84.84	68.0	26.0
18.7	54.6	12062.0	1023.0	866.9	84.74	68.6	26.0
18.7	56.1	11986.0	1048.4	886.7	84.58	70.6	26.0
18.7	56.6	11955.0	1056.8	892.4	84.44	71.3	26.0
18.6	58.1	11874.0	1082.4	912.7	84.33	73.4	26.0
18.6	58.6	11844.0	1090.3	918.0	84.20	74.0	26.0
18.6	60.2	11761.0	1117.4	938.9	84.03	76.2	26.0



Dateiname : ''
Datum : 08.03.2005 12:31:10

Bezeichnung : Orbit 30/10 (HP 355/30/B10 P10)
Seriennummer : 01
Prüfnummer : 101104
Besonderes : future 32.55

Versuchsaufbau

Messparameter

Grundlast : 17 %
Hebelarmlänge : 120 mm
Waagezelle : 50 N
Dämpfungsfaktor: 5
Regelzeit : 100 ms

Strom von : 15 A bis : 70 A
Schrittweite : 1.0 A
Reglerausgang : 100 %

Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Wirkungsgrad [%]	Drehmoment [Ncm]	Temp. [°C]
21.1	14.9	15115.0	315.3	235.1	74.58	14.9	26.0
21.1	16.1	15034.0	338.6	258.4	76.34	16.4	26.0
21.0	16.9	14973.0	355.8	275.8	77.53	17.6	26.0
21.0	18.0	14901.0	378.4	298.1	78.78	19.1	26.0
21.0	19.0	14837.0	398.4	318.1	79.83	20.5	26.0
20.9	20.0	14773.0	418.9	338.1	80.71	21.9	26.0
20.9	20.8	14724.0	434.6	353.2	81.28	22.9	26.0
20.9	21.9	14656.0	456.9	375.0	82.06	24.4	26.0
20.8	23.0	14595.0	478.0	395.1	82.64	25.8	26.0
20.8	24.0	14534.0	498.3	414.2	83.13	27.2	26.0
20.8	24.9	14481.0	516.3	431.8	83.65	28.5	26.0
20.7	26.0	14414.0	539.4	453.4	84.06	30.0	26.0
20.7	26.9	14361.0	557.4	470.5	84.40	31.3	26.0
20.7	27.8	14310.0	574.6	486.4	84.65	32.5	26.0
20.6	28.8	14250.0	595.2	505.5	84.93	33.9	26.0
20.6	29.7	14200.0	612.1	521.1	85.12	35.0	26.0
20.6	31.0	14130.0	636.7	544.1	85.45	36.8	26.0
20.5	31.8	14082.0	653.1	559.2	85.62	37.9	26.0
20.5	32.9	14019.0	675.3	578.9	85.73	39.4	26.0
20.5	33.7	13975.0	690.0	592.2	85.83	40.5	26.0
20.4	34.8	13917.0	710.6	610.5	85.92	41.9	26.0
20.4	36.1	13843.0	736.4	633.9	86.08	43.7	26.0
20.4	36.8	13804.0	750.2	645.8	86.09	44.7	26.0
20.4	38.0	13736.0	773.3	666.8	86.22	46.4	26.0
20.3	38.8	13694.0	787.6	679.2	86.24	47.4	26.0
20.3	39.7	13641.0	805.4	694.9	86.29	48.6	26.0
20.3	40.6	13590.0	823.0	709.9	86.26	49.9	26.0
20.2	42.0	13516.0	849.3	732.9	86.30	51.8	26.0
20.2	42.8	13471.0	864.0	745.5	86.29	52.8	26.0
20.2	43.6	13422.0	880.6	759.5	86.25	54.0	26.0
20.1	45.0	13349.0	906.3	781.9	86.28	55.9	26.0
20.1	45.7	13310.0	919.1	792.3	86.20	56.8	26.0
20.1	47.1	13234.0	945.4	814.2	86.13	58.8	26.0
20.0	48.2	13176.0	965.1	830.4	86.04	60.2	26.0
20.0	49.2	13118.0	984.2	846.2	85.97	61.6	26.0
20.0	49.8	13084.0	994.7	854.5	85.91	62.4	26.0
20.0	51.2	13006.0	1021.7	876.5	85.79	64.4	26.0
19.9	51.8	12971.0	1032.0	884.6	85.71	65.1	26.0
19.9	52.4	12931.0	1044.0	894.2	85.65	66.0	26.0
19.9	54.0	12850.0	1072.2	916.4	85.47	68.1	26.0
19.8	55.1	12789.0	1092.1	931.6	85.31	69.6	26.0
19.8	55.6	12754.0	1102.6	939.7	85.22	70.4	26.0
19.8	57.1	12676.0	1129.0	960.2	85.05	72.3	26.0
19.7	58.1	12618.0	1146.8	973.7	84.91	73.7	27.0
19.7	58.5	12589.0	1153.9	978.8	84.83	74.2	27.0
19.7	60.3	12494.0	1187.0	1003.1	84.51	76.7	27.0

Dateiname : ''
Datum : 08.03.2005 12:31:21

Bezeichnung : Orbit 30/10 (HP 355/30/B10 P10)
Seriennummer : 01
Prüfnummer : 101104
Besonderes : future 32.55

Versuchsaufbau

Messparameter

Grundlast : 17 %
Hebelarmlänge : 120 mm
Waagezelle : 50 N
Dämpfungsfaktor: 5
Regelzeit : 100 ms

Strom von : 15 A bis : 70 A
Schrittweite : 1.0 A
Reglerausgang : 100 %

Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Wirkungsgrad [%]	Drehmoment [Ncm]	Temp. [°C]
23.6	15.0	16831.0	352.7	255.7	72.50	14.5	26.0
23.5	16.1	16749.0	378.3	281.6	74.44	16.1	26.0
23.5	17.1	16673.0	402.2	305.5	75.95	17.5	26.0
23.4	18.0	16607.0	422.3	325.8	77.13	18.7	26.0
23.4	19.0	16534.0	445.9	349.5	78.38	20.2	26.0
23.4	20.1	16464.0	469.4	372.8	79.43	21.6	26.0
23.3	20.9	16405.0	488.0	391.5	80.22	22.8	26.0
23.3	22.0	16334.0	513.5	416.1	81.03	24.3	26.0
23.2	23.1	16270.0	536.1	437.9	81.69	25.7	26.0
23.2	24.0	16208.0	557.6	458.7	82.26	27.0	26.0
23.2	25.0	16145.0	579.7	479.8	82.77	28.4	26.0
23.1	26.0	16085.0	601.3	500.3	83.20	29.7	26.0
23.1	27.0	16025.0	622.8	520.8	83.61	31.0	26.0
23.1	28.0	15964.0	644.9	541.8	84.01	32.4	26.0
23.0	28.9	15907.0	665.3	560.9	84.31	33.7	26.0
23.0	29.8	15848.0	685.0	580.7	84.78	35.0	26.0
23.0	30.8	15790.0	707.2	600.8	84.95	36.3	26.0
22.9	31.9	15724.0	730.9	622.6	85.19	37.8	26.0
22.9	32.8	15667.0	751.9	642.2	85.42	39.1	26.0
22.9	33.8	15612.0	772.1	660.6	85.55	40.4	26.0
22.8	34.8	15552.0	793.8	680.5	85.72	41.8	26.0
22.8	35.7	15493.0	815.3	699.9	85.85	43.1	26.0
22.8	36.7	15435.0	836.7	718.6	85.89	44.5	26.0
22.7	37.6	15381.0	856.4	737.2	86.08	45.8	26.0
22.7	38.6	15323.0	877.5	756.2	86.17	47.1	26.0
22.7	40.0	15246.0	906.7	782.1	86.26	49.0	26.0
22.6	40.8	15198.0	923.5	796.8	86.28	50.1	26.0
22.6	41.7	15146.0	942.6	813.9	86.35	51.3	26.0
22.6	42.6	15090.0	962.4	831.1	86.36	52.6	26.0
22.5	44.0	15013.0	990.9	855.9	86.38	54.4	26.0
22.5	44.7	14970.0	1005.7	868.7	86.38	55.4	26.0
22.5	46.1	14891.0	1036.5	893.7	86.23	57.3	26.0
22.4	46.7	14849.0	1048.7	905.7	86.37	58.2	26.0
22.4	48.0	14775.0	1076.2	928.9	86.32	60.0	26.0
22.4	48.7	14735.0	1089.4	940.1	86.30	60.9	27.0
22.4	49.4	14685.0	1105.5	953.7	86.27	62.0	27.0
22.3	50.5	14628.0	1126.8	971.7	86.23	63.4	27.0
22.3	52.1	14535.0	1161.0	998.9	86.04	65.6	27.0
22.2	53.2	14472.0	1183.1	1017.0	85.96	67.1	27.0
22.2	53.7	14441.0	1192.1	1023.3	85.84	67.7	27.0
22.2	55.0	14364.0	1220.2	1046.6	85.77	69.6	27.0
22.1	56.0	14305.0	1239.6	1064.0	85.83	71.0	27.0
22.1	57.1	14240.0	1261.9	1083.3	85.85	72.6	27.0
22.1	57.5	14210.0	1270.2	1090.7	85.87	73.3	27.0
22.0	59.0	14123.0	1301.2	1114.4	85.64	75.3	27.0
22.0	59.7	14079.0	1314.9	1124.3	85.51	76.3	27.0

Dateiname : ''
Datum : 08.03.2005 12:31:36

Bezeichnung : Orbit 30/10 (HP 355/30/B10 P10)
Seriennummer : 01
Prüfnummer : 101104
Besonderes : future 32.55

Versuchsaufbau

Messparameter

Grundlast : 17 %
Hebelarmlänge : 120 mm
Waagezelle : 50 N
Dämpfungsfaktor: 5
Regelzeit : 100 ms

Strom von : 15 A bis : 70 A
Schrittweite : 1.0 A
Reglerausgang : 100 %

Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Wirkungsgrad [%]	Drehmoment [Ncm]	Temp. [°C]
26.1	15.0	18552.0	390.5	289.3	74.08	14.9	26.0
26.0	16.0	18467.0	417.3	316.3	75.79	16.4	26.0
26.0	17.0	18395.0	442.3	341.7	77.25	17.7	26.0
25.9	18.3	18304.0	473.2	372.2	78.64	19.4	26.0
25.9	19.0	18244.0	492.2	390.4	79.33	20.4	26.0
25.8	19.8	18184.0	512.3	410.9	80.20	21.6	26.0
25.8	21.0	18099.0	542.5	441.0	81.29	23.3	26.0
25.7	22.1	18027.0	568.2	466.7	82.13	24.7	26.0
25.7	23.1	17960.0	592.7	490.2	82.70	26.1	26.0
25.7	23.9	17903.0	612.7	510.0	83.24	27.2	26.0
25.6	25.0	17829.0	640.4	536.4	83.76	28.7	26.0
25.6	26.0	17765.0	663.8	559.2	84.25	30.1	26.0
25.5	27.0	17693.0	690.3	585.0	84.74	31.6	26.0
25.5	28.0	17628.0	714.1	607.2	85.03	32.9	26.0
25.5	28.9	17572.0	735.5	627.8	85.35	34.1	26.0
25.4	29.9	17505.0	760.4	650.7	85.57	35.5	26.0
25.4	31.0	17436.0	785.9	674.6	85.84	36.9	26.0
25.4	31.9	17376.0	808.7	695.7	86.03	38.2	26.0
25.3	32.9	17313.0	832.4	718.2	86.28	39.6	26.0
25.3	33.8	17251.0	855.5	738.8	86.36	40.9	26.0
25.2	34.9	17185.0	881.0	762.5	86.56	42.4	26.0
25.2	35.9	17124.0	904.2	783.9	86.69	43.7	26.0
25.2	36.9	17061.0	928.6	805.7	86.76	45.1	26.0
25.1	38.0	16991.0	954.9	829.7	86.89	46.6	27.0
25.1	38.8	16941.0	974.0	846.7	86.92	47.7	27.0
25.1	39.9	16870.0	1001.3	870.7	86.95	49.3	27.0
25.0	40.9	16810.0	1023.4	890.8	87.04	50.6	27.0
25.0	41.8	16752.0	1045.5	909.2	86.96	51.8	27.0
25.0	42.6	16702.0	1063.8	925.6	87.01	52.9	27.0
24.9	44.0	16615.0	1097.2	953.3	86.89	54.8	27.0
24.9	44.9	16564.0	1116.7	971.2	86.97	56.0	27.0
24.9	45.6	16517.0	1133.1	986.7	87.08	57.0	27.0
24.8	46.5	16457.0	1155.4	1005.5	87.03	58.3	27.0
24.8	48.0	16372.0	1188.8	1036.7	87.20	60.5	27.0
24.8	48.7	16325.0	1205.1	1049.7	87.11	61.4	27.0
24.7	49.6	16269.0	1225.7	1067.2	87.07	62.6	27.0
24.7	50.6	16207.0	1248.6	1086.3	87.00	64.0	27.0
24.6	52.0	16125.0	1280.0	1114.7	87.08	66.0	27.0
24.6	52.5	16087.0	1293.1	1121.4	86.72	66.6	27.0
24.6	53.4	16030.0	1313.5	1137.5	86.60	67.8	27.0
24.5	55.1	15933.0	1351.4	1169.3	86.53	70.1	27.0
24.5	55.7	15892.0	1363.9	1170.7	85.83	70.3	27.0
24.5	56.5	15839.0	1382.0	1186.3	85.83	71.5	27.0
24.4	57.5	15775.0	1405.2	1206.5	85.86	73.0	27.0
24.4	59.0	15686.0	1438.6	1235.5	85.88	75.2	27.0
24.4	59.6	15644.0	1452.0	1245.6	85.78	76.0	27.0

Dateiname : ''
Datum : 08.03.2005 12:31:46

Bezeichnung : Orbit 30/10 (HP 355/30/B10 P10)
Seriennummer : 01
Prüfnummer : 101104
Besonderes : future 32.55

Versuchsaufbau

Grundlast : 17 %
Hebelarmlänge : 120 mm
Waagezelle : 50 N
Dämpfungsfaktor: 5
Regelzeit : 150 ms

Messparameter

Strom von : 15 A bis : 70 A
Schrittweite : 1.0 A
Reglerausgang : 100 %

Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Wirkungsgrad [%]	Drehmoment [Ncm]	Temp. [°C]
27.1	15.0	19232.0	406.3	288.8	71.08	14.3	28.0
27.0	16.1	19139.0	434.2	315.8	72.73	15.8	28.0
26.9	17.0	19057.0	459.0	341.3	74.34	17.1	28.0
26.9	18.0	18978.0	483.7	365.4	75.53	18.4	28.0
26.8	19.0	18900.0	511.3	392.1	76.69	19.8	28.0
26.8	20.0	18830.0	535.6	416.9	77.85	21.1	28.0
26.7	21.1	18751.0	563.3	444.2	78.85	22.6	28.0
26.7	22.0	18683.0	587.0	467.0	79.55	23.9	28.0
26.7	22.9	18618.0	610.9	489.2	80.08	25.1	28.0
26.6	23.8	18551.0	634.8	512.4	80.72	26.4	28.0
26.6	25.0	18471.0	663.2	540.1	81.44	27.9	28.0
26.5	26.1	18394.0	691.9	567.5	82.02	29.5	28.0
26.5	27.0	18326.0	716.8	591.4	82.51	30.8	28.0
26.5	28.0	18263.0	740.4	613.9	82.92	32.1	28.0
26.4	29.0	18194.0	766.4	638.6	83.32	33.5	28.0
26.4	29.6	18151.0	781.2	652.1	83.48	34.3	28.0
26.4	30.5	18089.0	804.9	674.7	83.82	35.6	28.0
26.3	31.9	17998.0	839.7	707.5	84.26	37.5	28.0
26.3	33.0	17925.0	867.7	733.9	84.58	39.1	28.0
26.2	33.9	17867.0	889.6	753.7	84.73	40.3	28.0
26.2	35.0	17793.0	917.7	779.4	84.93	41.8	28.0
26.2	35.8	17745.0	935.0	795.9	85.12	42.8	28.0
26.1	37.1	17657.0	969.0	827.0	85.34	44.7	28.0
26.1	38.2	17587.0	995.4	850.6	85.46	46.2	28.0
26.0	39.2	17519.0	1020.9	873.6	85.57	47.6	28.0
26.0	39.8	17484.0	1033.5	885.0	85.63	48.3	28.0
26.0	41.1	17394.0	1067.4	914.3	85.66	50.2	29.0
25.9	42.1	17328.0	1091.9	938.1	85.91	51.7	29.0
25.9	43.1	17263.0	1115.9	963.8	86.37	53.3	29.0
25.8	43.7	17226.0	1129.6	977.8	86.56	54.2	29.0
25.8	45.0	17142.0	1161.1	1005.1	86.57	56.0	29.0
25.8	45.7	17096.0	1177.5	1023.5	86.92	57.2	29.0
25.7	47.2	16999.0	1215.2	1059.3	87.17	59.5	29.0
25.7	48.2	16938.0	1238.3	1080.4	87.25	60.9	29.0
25.6	49.4	16862.0	1266.3	1109.7	87.64	62.8	29.0
25.6	49.7	16835.0	1273.8	1118.5	87.81	63.4	29.0
25.6	51.4	16733.0	1313.9	1150.0	87.53	65.6	29.0
25.5	51.7	16710.0	1320.4	1162.3	88.02	66.4	29.0
25.5	53.4	16603.0	1361.2	1197.8	88.00	68.9	29.0
25.5	53.9	16569.0	1372.3	1204.9	87.81	69.4	29.0
25.4	55.5	16468.0	1410.3	1238.8	87.83	71.8	29.0
25.4	55.8	16446.0	1415.9	1246.4	88.03	72.4	29.0
25.3	57.6	16337.0	1458.1	1275.7	87.49	74.6	29.0
25.3	57.8	16318.0	1462.1	1277.5	87.38	74.8	29.0
25.3	59.2	16225.0	1496.2	1303.7	87.13	76.7	29.0
25.2	59.6	16194.0	1505.6	1308.7	86.92	77.2	29.0



Dateiname : ''
Datum : 08.03.2005 12:31:56

Bezeichnung : Orbit 30/10 (HP 355/30/B10 P10)
Seriennummer : 01
Prüfnummer : 101104
Besonderes : future 32.55

Versuchsaufbau

Messparameter

Grundlast : 17 %
Hebelarmlänge : 120 mm
Waagezelle : 50 N
Dämpfungsfaktor: 5
Regelzeit : 150 ms

Strom von : 15 A bis : 70 A
Schrittweite : 1.0 A
Reglerausgang : 100 %

Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Wirkungsgrad [%]	Drehmoment [Ncm]	Temp. [°C]
29.7	15.1	21054.0	448.5	331.2	73.86	15.0	27.0
29.6	16.0	20968.0	475.4	356.8	75.04	16.2	27.0
29.6	17.0	20882.0	504.1	384.2	76.21	17.6	27.0
29.5	18.1	20793.0	534.1	410.5	76.86	18.9	27.0
29.5	19.0	20712.0	561.4	436.2	77.70	20.1	27.0
29.4	20.0	20634.0	589.2	464.7	78.86	21.5	27.0
29.4	21.0	20553.0	617.9	494.1	79.96	23.0	27.0
29.3	22.1	20476.0	647.1	521.1	80.52	24.3	27.0
29.3	23.0	20405.0	673.7	546.9	81.19	25.6	27.0
29.2	24.0	20331.0	700.7	574.1	81.93	27.0	27.0
29.2	25.1	20250.0	731.7	604.4	82.60	28.5	27.0
29.1	26.0	20185.0	756.9	627.0	82.84	29.7	27.0
29.1	26.9	20115.0	783.5	650.4	83.01	30.9	27.0
29.1	27.9	20042.0	811.1	676.7	83.43	32.2	27.0
29.0	29.0	19969.0	840.0	702.1	83.58	33.6	27.0
29.0	29.9	19900.0	866.7	726.7	83.85	34.9	27.0
28.9	30.8	19833.0	892.7	751.9	84.23	36.2	27.0
28.9	32.1	19748.0	927.0	782.9	84.46	37.9	27.0
28.9	32.9	19691.0	948.1	803.2	84.72	39.0	27.0
28.8	34.1	19608.0	981.0	831.1	84.72	40.5	27.0
28.8	34.8	19552.0	1001.5	848.6	84.74	41.4	27.0
28.7	35.8	19481.0	1029.9	871.8	84.64	42.7	27.0
28.7	36.8	19415.0	1056.8	897.1	84.89	44.1	27.0
28.6	38.0	19334.0	1088.9	930.8	85.48	46.0	27.0
28.6	38.8	19281.0	1109.1	949.5	85.62	47.0	27.0
28.6	40.1	19187.0	1145.3	981.6	85.70	48.9	27.0
28.5	41.0	19131.0	1167.8	1003.2	85.91	50.1	27.0
28.5	42.3	19045.0	1205.0	1038.7	86.20	52.1	27.0
28.4	42.8	19015.0	1215.9	1048.0	86.19	52.6	27.0
28.4	43.8	18941.0	1244.5	1076.1	86.47	54.3	27.0
28.3	45.2	18852.0	1280.2	1116.8	87.23	56.6	27.0
28.3	46.0	18790.0	1303.4	1139.5	87.43	57.9	27.0
28.3	46.6	18748.0	1318.8	1153.5	87.46	58.8	27.0
28.2	48.3	18642.0	1362.2	1192.2	87.52	61.1	27.0
28.2	49.2	18573.0	1387.6	1209.9	87.20	62.2	27.0
28.1	50.3	18496.0	1415.8	1235.8	87.29	63.8	27.0
28.1	51.2	18438.0	1437.8	1256.7	87.41	65.1	28.0
28.1	51.6	18406.0	1449.0	1268.4	87.54	65.8	28.0
28.0	52.4	18355.0	1468.1	1294.0	88.14	67.3	28.0
28.0	54.8	18204.0	1533.0	1358.1	88.59	71.2	28.0
27.9	55.8	18135.0	1559.2	1381.5	88.60	72.7	28.0
27.9	56.0	18118.0	1562.0	1385.6	88.71	73.0	28.0
27.8	57.5	18020.0	1601.6	1423.2	88.86	75.4	28.0
27.8	58.4	17957.0	1623.9	1440.4	88.70	76.6	28.0
27.8	58.6	17932.0	1629.7	1442.0	88.48	76.8	28.0
27.7	60.4	17819.0	1675.3	1484.6	88.62	79.6	28.0