

Dateiname : ''  
Datum : 08.03.2005 15:45:22  
  
Bezeichnung : Orbit 20/14 (HP 355/20/B14 P10)  
Seriennummer : 0205  
Prüfnummer : 240205  
Besonderes : future 18.129F

Versuchsaufbau	Messparameter
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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]
8.7	9.9	6838.0	86.3	65.5	75.85	9.1	24.0
8.7	11.0	6776.0	96.1	74.8	77.85	10.5	24.0
8.7	12.0	6725.0	104.5	82.8	79.21	11.8	24.0
8.7	13.0	6673.0	112.8	90.6	80.29	13.0	24.0
8.7	13.9	6628.0	120.4	97.4	80.95	14.0	24.0
8.6	14.8	6580.0	128.4	105.0	81.79	15.2	24.0
8.6	15.9	6528.0	137.1	113.0	82.44	16.5	24.0
8.6	16.9	6480.0	145.5	120.6	82.87	17.8	24.0
8.6	18.0	6427.0	154.5	128.6	83.26	19.1	24.0
8.6	18.8	6386.0	161.6	134.9	83.45	20.2	24.0
8.6	19.8	6339.0	169.7	142.0	83.68	21.4	24.0
8.6	21.0	6285.0	179.1	150.4	83.94	22.8	24.0
8.5	22.0	6234.0	187.9	157.9	83.99	24.2	24.0
8.5	23.0	6188.0	196.0	164.7	84.05	25.4	24.0
8.5	23.8	6149.0	202.6	170.5	84.16	26.5	24.0
8.5	24.9	6100.0	211.4	177.8	84.14	27.8	24.0
8.5	26.1	6044.0	221.0	185.5	83.95	29.3	24.0
8.5	27.1	5999.0	228.9	192.0	83.87	30.6	24.0
8.4	28.0	5953.0	236.8	198.4	83.78	31.8	24.0
8.4	29.0	5910.0	244.3	204.3	83.64	33.0	24.0
8.4	29.7	5875.0	250.2	208.8	83.46	33.9	24.0
8.4	31.0	5818.0	260.2	216.3	83.16	35.5	24.0
8.4	31.8	5780.0	266.7	221.1	82.91	36.5	24.0
8.4	33.0	5721.0	276.7	228.3	82.51	38.1	24.0
8.4	34.0	5676.0	284.4	234.0	82.27	39.4	24.0
8.3	35.1	5627.0	292.6	239.5	81.86	40.6	24.0
8.3	36.1	5581.0	300.4	245.0	81.56	41.9	24.0
8.3	37.0	5536.0	307.7	249.9	81.21	43.1	24.0
8.3	38.1	5486.0	316.2	255.4	80.77	44.5	24.0
8.3	39.0	5444.0	322.9	259.8	80.47	45.6	24.0
8.3	40.0	5394.0	331.1	264.8	79.98	46.9	24.0



Dateiname : ''  
Datum : 08.03.2005 15:45:54

Bezeichnung : Orbit 20/14 (HP 355/20/B14 P10)  
Seriennummer : 0205  
Prüfnummer : 240205  
Besonderes : future 18.129F

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]
11.2	9.9	8764.0	110.5	90.4	81.82	9.9	25.0
11.2	11.0	8694.0	122.5	101.2	82.59	11.1	25.0
11.1	12.0	8629.0	134.2	112.7	83.93	12.5	25.0
11.1	13.0	8573.0	144.7	123.3	85.18	13.7	25.0
11.1	13.9	8520.0	154.2	132.7	86.00	14.9	25.0
11.1	14.9	8460.0	165.4	144.0	87.04	16.3	25.0
11.1	15.8	8409.0	175.0	152.6	87.23	17.3	25.0
11.0	16.9	8351.0	186.1	163.1	87.63	18.6	25.0
11.0	18.0	8290.0	198.1	174.4	88.06	20.1	25.0
11.0	18.8	8244.0	206.7	181.9	88.02	21.1	25.0
11.0	19.8	8192.0	217.0	191.7	88.31	22.3	25.0
11.0	21.0	8129.0	229.5	202.8	88.36	23.8	25.0
10.9	21.8	8085.0	238.1	210.8	88.56	24.9	25.0
10.9	23.0	8020.0	251.4	222.2	88.38	26.5	25.0
10.9	24.0	7969.0	261.6	231.3	88.42	27.7	25.0
10.9	24.8	7929.0	269.4	238.6	88.57	28.7	25.0
10.9	26.0	7864.0	282.7	249.7	88.33	30.3	25.0
10.8	26.8	7822.0	290.9	256.7	88.24	31.3	25.0
10.8	27.8	7772.0	301.1	266.0	88.33	32.7	25.0
10.8	29.0	7712.0	313.4	276.2	88.14	34.2	25.0
10.8	30.0	7664.0	323.2	284.0	87.87	35.4	25.0
10.8	31.0	7608.0	334.2	292.9	87.64	36.8	25.0
10.8	31.7	7576.0	340.6	298.3	87.58	37.6	25.0
10.7	33.0	7510.0	354.1	308.7	87.17	39.3	25.0
10.7	34.0	7455.0	364.8	316.9	86.87	40.6	25.0
10.7	35.0	7406.0	375.0	324.9	86.65	41.9	25.0
10.7	36.0	7355.0	384.9	332.0	86.27	43.1	25.0
10.7	37.1	7304.0	395.2	339.6	85.94	44.4	25.0
10.6	38.1	7250.0	405.8	347.3	85.59	45.7	25.0
10.6	39.1	7200.0	415.6	354.5	85.31	47.0	25.0
10.6	39.6	7170.0	420.9	358.2	85.11	47.7	25.0
10.6	41.0	7102.0	434.4	367.2	84.53	49.4	25.0
10.6	42.2	7043.0	445.9	374.7	84.03	50.8	25.0
10.6	43.1	6995.0	455.0	380.4	83.61	51.9	25.0
10.5	44.0	6945.0	464.4	386.4	83.20	53.1	25.0
10.5	45.0	6894.0	473.9	392.2	82.76	54.3	25.0



Dateiname : ''  
Datum : 08.03.2005 15:46:14

Bezeichnung : Orbit 20/14 (HP 355/20/B14 P10)  
Seriennummer : 0205  
Prüfnummer : 240205  
Besonderes : future 18.129F

Versuchsaufbau	Messparameter
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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]
13.7	9.9	10681.0	135.0	104.3	77.28	9.3	25.0
13.6	11.1	10595.0	151.8	119.2	78.52	10.7	25.0
13.6	11.8	10543.0	160.9	128.8	80.10	11.7	25.0
13.6	13.0	10465.0	176.8	145.0	82.02	13.2	25.0
13.5	13.9	10405.0	188.3	156.5	83.11	14.4	25.0
13.5	14.8	10343.0	200.7	168.3	83.84	15.5	25.0
13.5	15.9	10275.0	215.0	182.1	84.72	16.9	25.0
13.5	16.8	10218.0	226.7	193.9	85.52	18.1	25.0
13.4	17.9	10150.0	241.1	206.4	85.60	19.4	25.0
13.4	19.0	10089.0	254.2	218.8	86.08	20.7	25.0
13.4	19.9	10031.0	266.6	230.9	86.59	22.0	25.0
13.4	20.8	9976.0	278.7	241.6	86.71	23.1	25.0
13.4	21.8	9917.0	291.7	254.2	87.15	24.5	25.0
13.3	23.4	9833.0	311.0	271.7	87.36	26.4	25.0
13.3	23.8	9806.0	316.6	276.7	87.41	26.9	25.0
13.3	25.3	9723.0	335.5	294.2	87.67	28.9	25.0
13.3	26.1	9674.0	346.5	303.3	87.55	29.9	25.0
13.2	26.7	9640.0	353.5	309.7	87.60	30.7	25.0
13.2	27.7	9584.0	366.5	321.2	87.65	32.0	25.0
13.2	28.6	9533.0	377.7	331.1	87.66	33.2	25.0
13.2	29.9	9462.0	394.3	345.0	87.50	34.8	25.0
13.2	30.7	9415.0	404.7	353.5	87.35	35.8	25.0
13.1	32.0	9348.0	420.1	366.3	87.19	37.4	25.0
13.1	33.0	9288.0	433.6	377.2	87.00	38.8	25.0
13.1	34.1	9232.0	446.4	387.8	86.86	40.1	25.0
13.1	35.1	9177.0	458.8	397.8	86.70	41.4	25.0
13.1	36.2	9115.0	472.7	408.9	86.50	42.8	25.0
13.0	37.2	9059.0	484.8	418.5	86.31	44.1	25.0
13.0	37.8	9023.0	492.4	424.3	86.16	44.9	25.0
13.0	39.0	8961.0	506.6	435.1	85.89	46.4	25.0
13.0	40.1	8896.0	520.7	445.8	85.62	47.9	25.0
13.0	41.1	8842.0	532.7	454.6	85.34	49.1	25.0
12.9	42.0	8789.0	543.8	462.3	85.02	50.2	25.0
12.9	42.9	8737.0	554.7	470.0	84.74	51.4	25.0
12.9	43.8	8689.0	564.7	477.2	84.50	52.4	25.0
12.9	45.1	8617.0	580.6	488.3	84.10	54.1	25.0



Dateiname : ''  
Datum : 08.03.2005 15:46:31

Bezeichnung : Orbit 20/14 (HP 355/20/B14 P10)  
Seriennummer : 0205  
Prüfnummer : 240205  
Besonderes : future 18.129F

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]
15.0	10.0	11707.0	149.9	111.2	74.19	9.1	25.0
15.0	11.0	11630.0	165.1	126.3	76.46	10.4	25.0
14.9	12.0	11563.0	178.7	140.1	78.38	11.6	25.0
14.9	13.1	11488.0	194.7	155.3	79.77	12.9	25.0
14.9	14.0	11422.0	208.6	168.7	80.83	14.1	25.0
14.9	15.0	11353.0	223.3	182.6	81.80	15.4	25.0
14.8	16.0	11289.0	237.6	197.1	82.98	16.7	25.0
14.8	17.0	11228.0	250.9	210.1	83.73	17.9	25.0
14.8	18.0	11163.0	265.4	223.7	84.30	19.1	25.0
14.8	19.0	11098.0	280.3	237.9	84.87	20.5	25.0
14.7	19.9	11042.0	293.0	250.3	85.43	21.6	25.0
14.7	20.9	10982.0	307.0	263.4	85.82	22.9	25.0
14.7	21.8	10926.0	320.0	275.7	86.15	24.1	25.0
14.7	22.7	10871.0	333.2	287.8	86.36	25.3	25.0
14.6	23.8	10807.0	348.2	301.6	86.63	26.7	25.0
14.6	25.0	10739.0	364.8	316.5	86.74	28.1	25.0
14.6	25.8	10691.0	375.9	326.5	86.85	29.2	25.0
14.6	26.7	10634.0	389.4	338.6	86.95	30.4	25.0
14.6	28.0	10560.0	407.7	354.6	86.99	32.1	25.0
14.5	28.8	10516.0	417.8	363.6	87.02	33.0	25.0
14.5	29.7	10461.0	431.0	375.2	87.05	34.2	25.0
14.5	30.7	10404.0	444.9	387.1	87.02	35.5	25.0
14.5	31.7	10348.0	458.4	398.8	87.00	36.8	25.0
14.4	32.9	10279.0	475.1	413.0	86.93	38.4	25.0
14.4	33.9	10220.0	489.3	424.8	86.83	39.7	25.0
14.4	34.7	10176.0	499.6	433.4	86.76	40.7	25.0
14.4	35.9	10106.0	516.8	447.5	86.59	42.3	25.0
14.4	37.0	10046.0	531.0	459.1	86.46	43.6	25.0
14.3	38.0	9985.0	545.5	470.7	86.29	45.0	25.0
14.3	38.6	9951.0	553.2	476.6	86.16	45.7	25.0
14.3	39.8	9885.0	569.1	489.2	85.96	47.3	25.0
14.3	40.9	9825.0	583.3	500.2	85.74	48.6	25.0
14.3	41.7	9775.0	594.6	508.4	85.50	49.7	25.0
14.2	43.0	9700.0	612.5	522.0	85.23	51.4	25.0
14.2	43.8	9653.0	622.8	529.3	84.99	52.4	25.0
14.2	45.0	9586.0	638.4	540.4	84.65	53.8	25.0



Dateiname : ''  
Datum : 08.03.2005 15:46:49

Bezeichnung : Orbit 20/14 (HP 355/20/B14 P10)  
Seriennummer : 0205  
Prüfnummer : 240205  
Besonderes : future 18.129F

Versuchsaufbau	Messparameter
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Grundlast : 5 %	Strom von : 15 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]
17.4	14.9	13276.0	258.8	212.4	82.08	15.3	25.0
17.3	15.8	13193.0	274.6	228.6	83.27	16.5	25.0
17.3	16.9	13111.0	292.2	246.9	84.49	18.0	25.0
17.2	18.0	13029.0	310.8	265.1	85.30	19.4	25.0
17.2	18.9	12964.0	326.0	279.7	85.79	20.6	25.0
17.2	19.9	12895.0	342.3	295.6	86.36	21.9	25.0
17.2	20.9	12829.0	358.1	310.4	86.69	23.1	25.0
17.1	21.9	12759.0	375.1	326.4	87.00	24.4	25.0
17.1	22.9	12696.0	391.0	341.3	87.28	25.7	25.0
17.1	23.8	12632.0	407.0	355.8	87.43	26.9	25.0
17.1	24.8	12569.0	422.4	370.2	87.65	28.1	25.0
17.0	25.8	12502.0	439.6	385.8	87.77	29.5	25.0
17.0	26.9	12434.0	457.1	401.6	87.84	30.8	25.0
17.0	27.9	12373.0	473.3	416.0	87.90	32.1	25.0
17.0	28.7	12319.0	486.9	428.7	88.06	33.2	25.0
16.9	29.7	12256.0	502.9	442.7	88.03	34.5	25.0
16.9	30.8	12190.0	519.9	457.6	88.00	35.8	25.0
16.9	31.6	12134.0	534.3	470.4	88.05	37.0	25.0
16.9	32.7	12072.0	550.5	484.5	88.01	38.3	25.0
16.8	33.5	12018.0	564.3	496.4	87.97	39.4	25.0
16.8	34.9	11936.0	585.7	515.3	87.98	41.2	25.0
16.8	35.7	11886.0	598.6	525.2	87.74	42.2	25.0
16.8	36.9	11810.0	618.4	541.6	87.59	43.8	25.0
16.7	37.6	11764.0	629.9	551.3	87.51	44.7	25.0
16.7	38.7	11698.0	646.8	565.3	87.39	46.1	25.0
16.7	39.5	11647.0	659.5	575.7	87.29	47.2	25.0
16.7	41.0	11559.0	682.7	594.2	87.03	49.1	25.0
16.6	41.6	11517.0	692.6	602.1	86.93	49.9	25.0
16.6	42.5	11460.0	706.9	613.0	86.72	51.1	25.0
16.6	44.0	11375.0	729.2	629.7	86.35	52.9	25.0
16.6	44.7	11328.0	739.8	638.3	86.28	53.8	25.0
16.5	45.5	11274.0	753.1	648.1	86.05	54.9	25.0
16.5	47.0	11187.0	775.3	664.5	85.71	56.7	25.0
16.5	47.5	11148.0	783.6	670.6	85.58	57.4	25.0
16.5	48.9	11062.0	805.6	686.2	85.18	59.2	25.0
16.4	50.1	10988.0	823.7	698.9	84.85	60.7	25.0



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Dateiname      : ''
Datum          : 08.03.2005 15:47:05

Bezeichnung    : Orbit 20/14 (HP 355/20/B14 P10)
Seriennummer  : 0205
Prüfnummer    : 240205
Besonderes    : future 18.129F

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Versuchsaufbau                               Messparameter
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Grundlast      : 5 %                          Strom von : 15 A bis : 50 A
Hebelarmlänge : 60 mm                       Schrittweite : 1.0 A
Waagezelle    : 50 N                         Reglerausgang : 100 %
Dämpfungsfaktor: 5
Regelzeit     : 100 ms

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Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Wirkungsgrad [%]	Drehmoment [Ncm]	Temp. [°C]
19.7	15.2	15025.0	299.0	239.5	80.11	15.2	25.0
19.7	16.0	14953.0	313.6	254.2	81.06	16.2	25.0
19.6	17.0	14868.0	332.8	273.0	82.02	17.5	25.0
19.6	18.0	14786.0	352.1	291.4	82.78	18.8	25.0
19.5	19.0	14709.0	372.1	310.3	83.40	20.1	25.0
19.5	20.0	14629.0	390.4	327.6	83.91	21.4	25.0
19.5	20.9	14563.0	407.2	343.2	84.30	22.5	25.0
19.4	22.0	14481.0	428.6	362.8	84.64	23.9	25.0
19.4	22.8	14423.0	443.6	376.5	84.89	24.9	25.0
19.4	24.0	14341.0	464.7	396.6	85.34	26.4	25.0
19.4	24.9	14273.0	482.4	414.4	85.91	27.7	25.0
19.3	26.0	14196.0	502.0	432.6	86.17	29.1	25.0
19.3	27.0	14129.0	520.0	448.7	86.28	30.3	25.0
19.3	27.8	14068.0	536.5	463.5	86.40	31.5	25.0
19.2	28.8	14006.0	553.7	480.6	86.80	32.8	25.0
19.2	29.8	13937.0	572.5	497.4	86.88	34.1	25.0
19.2	30.7	13876.0	590.1	512.8	86.90	35.3	25.0
19.2	31.7	13813.0	607.6	528.5	87.00	36.5	25.0
19.1	32.8	13739.0	627.9	546.1	86.98	38.0	25.0
19.1	33.8	13675.0	645.5	561.3	86.96	39.2	25.0
19.1	34.8	13609.0	663.2	577.0	87.00	40.5	25.0
19.1	35.7	13546.0	680.3	591.4	86.93	41.7	25.0
19.0	36.7	13479.0	698.2	607.5	87.00	43.0	25.0
19.0	37.8	13403.0	718.5	624.4	86.89	44.5	25.0
19.0	38.7	13341.0	734.6	637.5	86.78	45.6	25.0
18.9	39.7	13278.0	751.8	651.9	86.72	46.9	25.0
18.9	40.6	13218.0	767.4	664.6	86.60	48.0	25.0
18.9	41.6	13148.0	786.3	679.9	86.46	49.4	25.0
18.9	42.6	13081.0	804.4	694.4	86.33	50.7	25.0
18.8	43.7	13009.0	823.0	708.7	86.11	52.0	25.0
18.8	44.5	12955.0	837.1	719.6	85.97	53.0	25.0
18.8	45.4	12899.0	852.1	731.5	85.85	54.2	25.0
18.7	46.8	12803.0	877.5	750.8	85.56	56.0	25.0
18.7	47.5	12752.0	890.0	760.0	85.40	56.9	25.0
18.7	48.4	12690.0	905.9	772.3	85.25	58.1	25.0
18.7	49.5	12621.0	923.8	785.6	85.05	59.4	25.0

Dateiname : ''  
Datum : 08.03.2005 15:47:25

Bezeichnung : Orbit 20/14 (HP 355/20/B14 P10)  
Seriennummer : 0205  
Prüfnummer : 240205  
Besonderes : future 18.129F

Versuchsaufbau

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

Messparameter

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Strom von : 15 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]
21.0	14.6	16036.0	306.1	250.2	81.72	14.9	25.0
20.9	15.9	15906.0	333.3	277.3	83.20	16.6	25.0
20.9	17.0	15808.0	354.4	298.5	84.21	18.0	25.0
20.8	18.0	15722.0	374.0	317.5	84.88	19.3	25.0
20.8	19.1	15630.0	396.3	339.0	85.55	20.7	25.0
20.8	20.0	15552.0	415.3	357.4	86.08	21.9	25.0
20.7	20.9	15482.0	432.8	373.8	86.38	23.1	25.0
20.7	21.8	15408.0	451.9	391.9	86.72	24.3	25.0
20.6	23.0	15321.0	474.4	413.1	87.08	25.7	25.0
20.6	24.0	15241.0	495.2	432.5	87.33	27.1	25.0
20.6	25.0	15173.0	513.4	449.8	87.61	28.3	25.0
20.5	26.0	15098.0	533.3	468.4	87.83	29.6	25.0
20.5	26.9	15028.0	552.0	485.6	87.97	30.9	25.0
20.5	27.9	14957.0	572.0	503.9	88.09	32.2	25.0
20.4	28.9	14886.0	591.6	521.7	88.18	33.5	25.0
20.4	29.9	14816.0	611.0	539.5	88.30	34.8	25.0
20.4	30.6	14769.0	624.2	551.4	88.34	35.7	25.0
20.4	31.7	14689.0	646.1	571.1	88.39	37.1	25.0
20.3	32.7	14620.0	665.7	588.4	88.38	38.4	25.0
20.3	33.7	14555.0	683.5	604.1	88.39	39.6	25.0
20.3	34.7	14482.0	704.3	622.0	88.32	41.0	25.0
20.2	35.8	14411.0	724.6	639.2	88.21	42.4	25.0
20.2	36.7	14342.0	742.6	654.4	88.12	43.6	25.0
20.2	37.8	14270.0	762.8	671.6	88.03	44.9	25.0
20.2	38.7	14209.0	779.4	685.3	87.93	46.1	25.0
20.1	39.7	14141.0	798.1	700.8	87.80	47.3	25.0
20.1	40.7	14069.0	818.0	717.3	87.69	48.7	25.0
20.1	41.7	14004.0	836.1	732.8	87.64	50.0	25.0
20.0	42.6	13940.0	853.4	747.1	87.54	51.2	25.0
20.0	43.6	13871.0	871.4	761.5	87.38	52.4	25.0
20.0	44.6	13801.0	890.4	776.2	87.17	53.7	25.0
19.9	45.6	13730.0	909.4	791.9	87.08	55.1	25.0
19.9	46.5	13671.0	925.7	803.9	86.84	56.2	25.0
19.9	47.4	13605.0	942.5	817.3	86.71	57.4	25.0
19.9	48.4	13535.0	961.6	831.9	86.51	58.7	25.0
19.8	49.3	13473.0	977.7	844.2	86.34	59.8	25.0



Dateiname : ''  
Datum : 08.03.2005 15:47:42

Bezeichnung : Orbit 20/14 (HP 355/20/B14 P10)  
Seriennummer : 0205  
Prüfnummer : 240205  
Besonderes : future 18.129F

Versuchsaufbau	Messparameter
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Grundlast : 5 %	Strom von : 15 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]
23.3	14.7	17766.0	342.8	281.7	82.19	15.1	25.0
23.3	16.2	17622.0	377.4	315.2	83.53	17.1	25.0
23.2	17.1	17541.0	397.6	334.8	84.21	18.2	25.0
23.2	18.0	17462.0	418.1	354.5	84.78	19.4	25.0
23.2	18.8	17398.0	436.1	371.5	85.17	20.4	25.0
23.1	19.8	17316.0	458.6	394.6	86.06	21.8	25.0
23.1	20.8	17230.0	481.1	416.6	86.59	23.1	25.0
23.0	21.8	17151.0	503.2	437.7	86.99	24.4	25.0
23.0	23.1	17046.0	530.8	463.6	87.35	26.0	25.0
23.0	23.8	16994.0	546.9	479.2	87.62	26.9	25.0
22.9	24.8	16914.0	569.5	501.1	87.98	28.3	25.0
22.9	25.8	16841.0	591.5	521.6	88.18	29.6	25.0
22.9	26.7	16777.0	611.0	539.3	88.26	30.7	25.0
22.9	27.6	16712.0	631.2	558.5	88.49	31.9	25.0
22.8	29.0	16606.0	661.7	586.1	88.56	33.7	25.0
22.8	29.9	16533.0	681.7	604.3	88.64	34.9	25.0
22.7	30.9	16462.0	703.1	623.6	88.69	36.2	25.0
22.7	32.0	16385.0	726.0	644.5	88.77	37.6	25.0
22.7	32.9	16317.0	747.1	663.2	88.77	38.8	25.0
22.7	33.8	16252.0	766.6	680.7	88.79	40.0	25.0
22.6	34.9	16177.0	789.3	700.6	88.76	41.4	25.0
22.6	35.8	16108.0	809.8	718.7	88.75	42.6	25.0
22.6	36.9	16030.0	832.2	738.1	88.69	44.0	25.0
22.5	37.9	15958.0	853.4	756.4	88.64	45.3	25.0
22.5	38.9	15892.0	875.4	772.8	88.27	46.4	25.0
22.5	39.8	15815.0	894.6	791.7	88.49	47.8	25.0
22.4	40.6	15755.0	912.4	806.6	88.40	48.9	25.0
22.4	41.8	15670.0	937.1	826.9	88.25	50.4	25.0
22.4	42.7	15606.0	955.8	842.1	88.11	51.5	25.0
22.3	43.7	15534.0	976.3	859.1	88.00	52.8	25.0
22.3	44.7	15460.0	997.4	876.1	87.84	54.1	25.0
22.3	45.6	15391.0	1017.0	891.9	87.70	55.3	25.0
22.3	46.6	15321.0	1036.7	907.6	87.55	56.6	25.0
22.2	47.4	15262.0	1054.1	921.3	87.39	57.6	25.0
22.2	48.3	15199.0	1072.0	935.0	87.22	58.7	25.0
22.2	49.3	15124.0	1093.3	951.4	87.02	60.1	25.0