



Dateiname : ''  
Datum : 09.03.2005 09:09:01

Bezeichnung : Orbit 25/14 (HP 355/25/B14 P10)  
Seriennummer : 0205  
Prüfnummer : 220205  
Besonderes : future 32.55K

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]
9.9	15.1	6127.0	149.7	127.9	85.45	19.9	23.0
9.9	16.1	6068.0	159.5	136.8	85.79	21.5	23.0
9.9	17.0	6022.0	167.3	143.9	85.99	22.8	23.0
9.8	17.8	5977.0	175.3	151.0	86.16	24.1	23.0
9.8	18.9	5923.0	185.6	160.2	86.32	25.8	23.0
9.8	20.1	5868.0	196.3	169.6	86.43	27.6	23.0
9.8	21.1	5820.0	205.8	177.7	86.35	29.2	23.0
9.7	22.2	5770.0	215.8	186.1	86.25	30.8	23.0
9.7	23.0	5729.0	224.0	193.1	86.19	32.2	23.0
9.7	24.1	5681.0	233.5	200.9	86.04	33.8	23.0
9.7	25.0	5638.0	242.4	208.3	85.92	35.3	23.0
9.7	26.0	5591.0	251.9	215.9	85.70	36.9	23.0
9.7	26.8	5558.0	258.4	221.1	85.58	38.0	23.0
9.6	28.1	5500.0	270.6	230.6	85.22	40.0	23.0
9.6	29.1	5455.0	279.8	237.5	84.89	41.6	23.0
9.6	30.0	5415.0	287.8	243.7	84.70	43.0	23.0
9.6	31.1	5365.0	298.0	251.1	84.27	44.7	23.0
9.6	32.1	5321.0	306.8	257.4	83.89	46.2	23.0
9.6	33.1	5277.0	315.9	264.0	83.56	47.8	23.0
9.5	34.1	5231.0	325.2	270.2	83.08	49.3	23.0
9.5	34.7	5202.0	330.7	274.0	82.85	50.3	23.0
9.5	36.2	5138.0	344.0	282.8	82.21	52.6	23.0
9.5	37.1	5096.0	352.3	288.1	81.79	54.0	23.0
9.5	38.2	5048.0	361.6	294.0	81.32	55.6	23.0
9.5	39.2	5005.0	370.0	299.3	80.88	57.1	23.0
9.4	39.8	4976.0	375.4	302.3	80.54	58.0	23.0
9.4	41.1	4917.0	386.9	309.1	79.89	60.0	23.0
9.4	41.7	4885.0	392.4	312.2	79.56	61.0	23.0
9.4	43.2	4818.0	405.4	319.6	78.83	63.3	23.0
9.4	43.7	4793.0	410.0	321.8	78.49	64.1	23.0
9.4	44.7	4747.0	418.5	326.0	77.90	65.6	23.0
9.3	46.0	4688.0	429.7	331.6	77.17	67.5	23.0
9.3	46.6	4655.0	435.1	334.0	76.76	68.5	23.0
9.3	47.7	4604.0	444.5	338.3	76.10	70.2	23.0
9.3	48.7	4557.0	452.9	341.8	75.47	71.6	23.0
9.3	50.1	4491.0	464.8	346.7	74.59	73.7	23.0



Dateiname : ''  
Datum : 09.03.2005 09:10:28

Bezeichnung : Orbit 25/14 (HP 355/25/B14 P10)  
Seriennummer : 0205  
Prüfnummer : 220205  
Besonderes : future 32.55K

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]
12.4	14.5	7715.0	180.1	152.9	84.90	18.9	24.0
12.3	15.9	7633.0	195.9	167.7	85.61	21.0	24.0
12.3	17.0	7572.0	208.6	179.5	86.07	22.6	24.0
12.3	18.0	7511.0	221.2	191.2	86.47	24.3	24.0
12.2	19.0	7458.0	232.4	201.5	86.68	25.8	24.0
12.2	20.1	7400.0	245.1	212.6	86.75	27.4	24.0
12.2	21.0	7351.0	256.2	222.5	86.85	28.9	24.0
12.2	22.1	7297.0	268.7	233.6	86.97	30.6	24.0
12.2	23.1	7245.0	280.7	244.3	87.03	32.2	24.0
12.1	24.1	7193.0	292.7	254.7	87.03	33.8	24.0
12.1	25.1	7144.0	304.3	264.7	86.98	35.4	24.0
12.1	26.1	7096.0	315.4	274.0	86.88	36.9	24.0
12.1	27.0	7050.0	326.3	283.1	86.77	38.3	24.0
12.1	27.8	7013.0	334.8	290.2	86.68	39.5	24.0
12.0	29.2	6947.0	350.6	303.0	86.42	41.7	24.0
12.0	30.1	6901.0	361.5	311.8	86.25	43.1	24.0
12.0	31.1	6853.0	372.4	320.6	86.07	44.7	24.0
12.0	32.1	6803.0	384.5	329.6	85.73	46.3	24.0
12.0	32.8	6768.0	392.2	335.7	85.60	47.4	24.0
11.9	34.2	6702.0	408.3	347.8	85.19	49.6	24.0
11.9	34.9	6666.0	416.3	353.9	85.00	50.7	24.0
11.9	36.2	6608.0	430.1	363.5	84.53	52.5	24.0
11.9	36.9	6572.0	438.2	369.7	84.36	53.7	24.0
11.9	38.3	6506.0	453.5	380.5	83.90	55.8	24.0
11.8	39.2	6458.0	464.3	388.0	83.57	57.4	24.0
11.8	40.2	6409.0	475.6	395.7	83.20	59.0	24.0
11.8	41.1	6365.0	485.2	402.0	82.86	60.3	24.0
11.8	42.0	6319.0	495.4	408.4	82.44	61.7	24.0
11.8	43.2	6259.0	508.5	416.7	81.96	63.6	24.0
11.7	44.1	6217.0	517.4	422.1	81.58	64.8	24.0
11.7	45.3	6154.0	531.3	430.1	80.94	66.7	24.0
11.7	46.4	6103.0	542.8	436.2	80.36	68.2	24.0
11.7	47.0	6068.0	549.5	439.9	80.05	69.2	24.0
11.7	47.8	6027.0	557.8	444.7	79.72	70.5	24.0
11.6	49.3	5954.0	574.4	453.7	78.98	72.8	24.0
11.6	50.3	5900.0	585.0	458.8	78.44	74.3	24.0



Dateiname : ''  
Datum : 09.03.2005 09:10:48

Bezeichnung : Orbit 25/14 (HP 355/25/B14 P10)  
Seriennummer : 0205  
Prüfnummer : 220205  
Besonderes : future 32.55K

Versuchsaufbau

Messparameter

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

-----  
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]
14.9	15.0	9253.0	223.5	192.3	86.02	19.8	24.0
14.8	15.9	9190.0	235.8	203.9	86.47	21.2	24.0
14.8	17.1	9113.0	252.8	219.8	86.92	23.0	24.0
14.7	17.9	9062.0	263.7	230.0	87.21	24.2	24.0
14.7	19.0	8996.0	279.3	244.2	87.46	25.9	24.0
14.7	20.0	8934.0	294.3	257.9	87.64	27.6	24.0
14.6	21.0	8878.0	308.2	270.5	87.78	29.1	24.0
14.6	22.1	8817.0	323.1	284.2	87.95	30.8	24.0
14.6	22.8	8778.0	332.9	293.6	88.18	31.9	24.0
14.6	24.0	8712.0	349.8	308.7	88.26	33.8	24.0
14.6	25.0	8657.0	364.0	321.1	88.20	35.4	24.0
14.5	26.0	8604.0	377.7	333.1	88.20	37.0	24.0
14.5	27.0	8549.0	392.3	345.4	88.05	38.6	24.0
14.5	27.8	8510.0	402.0	354.1	88.08	39.7	24.0
14.5	29.2	8436.0	421.7	370.7	87.91	42.0	24.0
14.4	30.1	8386.0	434.6	381.4	87.76	43.4	24.0
14.4	31.1	8336.0	447.7	391.8	87.52	44.9	24.0
14.4	32.1	8281.0	461.8	403.6	87.39	46.5	24.0
14.4	33.1	8228.0	475.3	414.6	87.22	48.1	24.0
14.3	34.1	8174.0	489.5	425.7	86.97	49.7	24.0
14.3	35.2	8121.0	503.5	436.5	86.68	51.3	24.0
14.3	36.2	8068.0	517.2	447.0	86.42	52.9	24.0
14.3	37.1	8016.0	529.8	456.9	86.24	54.4	24.0
14.3	37.9	7970.0	540.7	465.5	86.10	55.8	24.0
14.2	39.0	7912.0	555.7	476.3	85.71	57.5	24.0
14.2	40.1	7856.0	570.6	486.6	85.28	59.2	24.0
14.2	41.2	7801.0	584.6	496.5	84.93	60.8	24.0
14.2	42.2	7746.0	597.9	506.1	84.65	62.4	24.0
14.1	43.2	7692.0	611.5	515.0	84.22	63.9	24.0
14.1	44.1	7641.0	623.6	523.4	83.92	65.4	24.0
14.1	45.1	7588.0	636.2	532.0	83.62	67.0	24.0
14.1	46.2	7530.0	650.4	541.2	83.21	68.6	24.0
14.1	47.1	7481.0	661.9	548.6	82.89	70.0	24.0
14.0	48.0	7427.0	674.5	556.5	82.50	71.6	24.0
14.0	48.7	7389.0	682.7	561.3	82.22	72.5	24.0
14.0	50.4	7299.0	705.3	574.5	81.46	75.2	24.0



Dateiname : ''  
Datum : 09.03.2005 09:11:03

Bezeichnung : Orbit 25/14 (HP 355/25/B14 P10)  
Seriennummer : 0205  
Prüfnummer : 220205  
Besonderes : future 32.55K

Versuchsaufbau

Messparameter

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

-----  
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]
17.3	15.0	10789.0	260.4	214.7	82.46	19.0	24.0
17.3	15.9	10720.0	275.2	229.1	83.24	20.4	24.0
17.2	16.9	10650.0	291.9	245.2	83.99	22.0	24.0
17.2	17.9	10587.0	307.3	259.7	84.51	23.4	24.0
17.2	18.8	10524.0	323.2	274.7	85.00	24.9	24.0
17.1	19.8	10461.0	339.3	290.1	85.48	26.5	24.0
17.1	21.0	10387.0	359.1	308.7	85.95	28.4	24.0
17.1	21.8	10337.0	372.4	321.7	86.38	29.7	24.0
17.0	23.0	10269.0	391.3	339.3	86.72	31.6	24.0
17.0	23.8	10219.0	404.7	351.6	86.88	32.9	24.0
17.0	25.0	10146.0	425.1	370.1	87.07	34.8	24.0
17.0	26.0	10089.0	441.1	384.4	87.15	36.4	24.0
16.9	27.2	10024.0	459.5	400.6	87.17	38.2	24.0
16.9	28.0	9974.0	473.6	412.5	87.11	39.5	24.0
16.9	29.1	9910.0	491.5	428.8	87.24	41.3	24.0
16.8	30.0	9860.0	506.0	441.6	87.27	42.8	24.0
16.8	31.2	9788.0	525.2	458.1	87.22	44.7	24.0
16.8	32.4	9727.0	543.9	474.4	87.22	46.6	24.0
16.8	33.5	9667.0	560.9	487.9	86.99	48.2	24.0
16.7	34.0	9641.0	568.4	493.8	86.87	48.9	24.0
16.7	35.1	9577.0	586.8	509.0	86.73	50.7	24.0
16.7	36.1	9520.0	602.6	521.3	86.50	52.3	24.0
16.7	37.3	9452.0	621.5	536.5	86.32	54.2	24.0
16.6	37.9	9417.0	630.9	543.9	86.22	55.2	24.0
16.6	39.0	9354.0	648.6	557.6	85.97	56.9	24.0
16.6	40.3	9284.0	668.0	572.5	85.70	58.9	24.0
16.6	41.4	9221.0	685.9	585.9	85.43	60.7	24.0
16.5	41.6	9203.0	688.7	588.1	85.40	61.0	24.0
16.5	43.3	9113.0	714.5	606.2	84.85	63.5	24.0
16.5	44.5	9044.0	733.4	619.2	84.42	65.4	24.0
16.5	45.2	9001.0	743.8	626.9	84.27	66.5	24.0
16.4	46.2	8941.0	759.5	637.6	83.94	68.1	24.0
16.4	47.3	8880.0	775.7	648.7	83.63	69.8	24.0
16.4	48.2	8824.0	789.5	657.8	83.32	71.2	24.0
16.4	49.4	8755.0	807.8	669.7	82.90	73.0	24.0
16.3	49.7	8730.0	812.5	672.6	82.78	73.6	24.0



Dateiname : ''  
Datum : 09.03.2005 09:11:19

Bezeichnung : Orbit 25/14 (HP 355/25/B14 P10)  
Seriennummer : 0205  
Prüfnummer : 220205  
Besonderes : future 32.55K

Versuchsaufbau	Messparameter
-----	-----
Grundlast : 5 %	Strom von : 15 A bis : 55 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]
19.8	15.1	12316.0	298.9	243.8	81.58	18.9	24.0
19.7	16.0	12240.0	316.0	260.3	82.35	20.3	24.0
19.7	17.0	12167.0	334.0	277.8	83.18	21.8	24.0
19.6	17.8	12104.0	349.8	293.9	84.00	23.2	24.0
19.6	18.9	12027.0	370.5	314.1	84.79	24.9	24.0
19.6	19.8	11964.0	387.6	330.6	85.29	26.4	24.0
19.5	20.9	11890.0	408.5	350.2	85.73	28.1	24.0
19.5	21.8	11830.0	425.8	366.4	86.04	29.6	24.0
19.5	23.0	11752.0	448.4	387.4	86.41	31.5	24.0
19.4	24.0	11691.0	466.3	404.1	86.66	33.0	24.0
19.4	24.7	11643.0	479.9	417.5	87.00	34.2	24.0
19.4	26.1	11562.0	504.7	439.7	87.12	36.3	24.0
19.3	26.8	11515.0	517.8	451.6	87.22	37.5	24.0
19.3	28.0	11438.0	541.3	472.7	87.31	39.5	24.0
19.3	29.1	11371.0	561.5	490.4	87.35	41.2	24.0
19.3	29.7	11333.0	572.4	500.1	87.36	42.1	24.0
19.2	31.0	11259.0	594.9	520.0	87.42	44.1	24.0
19.2	32.0	11195.0	613.7	536.3	87.39	45.8	24.0
19.2	33.0	11132.0	633.2	552.6	87.27	47.4	24.0
19.1	33.7	11090.0	645.0	563.8	87.41	48.5	24.0
19.1	35.2	11001.0	672.9	587.0	87.25	51.0	24.0
19.1	35.8	10966.0	682.1	595.0	87.22	51.8	24.0
19.1	36.9	10899.0	702.4	611.9	87.11	53.6	24.0
19.0	38.2	10823.0	725.8	630.9	86.92	55.7	24.0
19.0	39.2	10761.0	743.7	645.2	86.75	57.3	24.0
19.0	40.1	10702.0	761.0	658.5	86.53	58.8	24.0
18.9	41.2	10640.0	779.1	672.5	86.31	60.4	24.0
18.9	42.1	10583.0	795.4	685.1	86.13	61.8	24.0
18.9	43.1	10522.0	813.4	698.9	85.92	63.4	24.0
18.9	43.7	10484.0	823.6	706.4	85.77	64.3	24.0
18.8	45.1	10400.0	848.1	724.6	85.44	66.5	24.0
18.8	46.1	10336.0	865.9	737.6	85.18	68.1	24.0
18.8	47.1	10274.0	883.0	750.0	84.93	69.7	24.0
18.7	47.9	10220.0	897.6	760.0	84.67	71.0	24.0
18.7	49.1	10144.0	918.6	774.5	84.31	72.9	24.0
18.7	50.2	10077.0	936.9	786.9	83.99	74.6	24.0
18.6	51.2	10013.0	954.3	798.2	83.64	76.1	24.0
18.6	51.6	9981.0	961.5	802.2	83.43	76.7	24.0
18.6	53.2	9887.0	988.4	820.1	82.97	79.2	24.0
18.6	54.2	9819.0	1006.3	831.1	82.59	80.8	24.0
18.5	55.1	9763.0	1020.4	839.2	82.25	82.1	24.0

Dateiname : ''  
Datum : 09.03.2005 09:11:36

Bezeichnung : Orbit 25/14 (HP 355/25/B14 P10)  
Seriennummer : 0205  
Prüfnummer : 220205  
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      : 15 A bis : 55 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]
21.0	15.2	13072.0	318.7	265.3	83.24	19.4	24.0
21.0	15.9	13001.0	334.0	280.6	84.00	20.6	24.0
20.9	17.1	12915.0	356.6	302.4	84.78	22.4	24.0
20.9	17.8	12851.0	372.4	317.9	85.36	23.6	24.0
20.8	18.9	12779.0	392.7	336.9	85.79	25.2	24.0
20.8	19.8	12709.0	412.4	355.3	86.17	26.7	24.0
20.7	20.8	12641.0	432.0	373.7	86.51	28.2	24.0
20.7	22.0	12559.0	456.2	395.9	86.79	30.1	24.0
20.7	22.9	12502.0	472.9	411.7	87.06	31.4	24.0
20.6	24.0	12424.0	496.3	433.2	87.29	33.3	24.0
20.6	24.8	12373.0	511.6	447.2	87.43	34.5	24.0
20.6	25.9	12304.0	532.8	467.4	87.73	36.3	24.0
20.5	27.0	12230.0	555.6	487.6	87.76	38.1	24.0
20.5	28.1	12164.0	576.1	506.3	87.88	39.7	24.0
20.5	28.8	12119.0	589.4	518.8	88.02	40.9	24.0
20.4	30.0	12043.0	613.3	540.0	88.06	42.8	24.0
20.4	30.7	11997.0	627.1	552.4	88.09	44.0	24.0
20.4	32.0	11919.0	651.8	573.6	87.99	46.0	24.0
20.4	33.0	11857.0	671.2	590.9	88.03	47.6	24.0
20.3	34.0	11789.0	692.1	608.4	87.90	49.3	24.0
20.3	34.7	11747.0	704.7	619.9	87.97	50.4	24.0
20.3	36.1	11665.0	731.0	641.6	87.78	52.5	24.0
20.2	36.7	11625.0	742.2	650.8	87.69	53.5	24.0
20.2	38.1	11539.0	769.2	673.1	87.51	55.7	24.0
20.2	39.3	11463.0	793.0	692.4	87.31	57.7	24.0
20.1	39.9	11425.0	803.5	700.8	87.21	58.6	24.0
20.1	41.2	11342.0	829.0	721.5	87.03	60.7	24.0
20.1	42.1	11286.0	845.5	734.2	86.84	62.1	24.0
20.1	43.1	11223.0	864.3	749.2	86.69	63.8	24.0
20.0	44.1	11163.0	882.3	762.9	86.47	65.3	24.0
20.0	45.0	11101.0	900.2	776.5	86.25	66.8	24.0
20.0	46.2	11028.0	921.8	792.4	85.96	68.6	24.0
19.9	46.6	10996.0	930.0	798.3	85.84	69.3	24.0
19.9	47.9	10917.0	953.0	815.0	85.52	71.3	24.0
19.9	48.8	10857.0	970.8	827.1	85.19	72.7	24.0
19.8	50.1	10773.0	994.6	844.1	84.87	74.8	24.0
19.8	50.6	10736.0	1003.3	850.1	84.73	75.6	24.0
19.8	52.4	10626.0	1035.4	872.8	84.30	78.4	24.0
19.7	53.4	10562.0	1055.5	885.0	83.85	80.0	24.0
19.7	53.7	10537.0	1059.6	886.8	83.70	80.4	24.0
19.7	55.3	10437.0	1088.5	905.7	83.20	82.9	24.0

Dateiname : ''  
Datum : 09.03.2005 09:11:54

Bezeichnung : Orbit 25/14 (HP 355/25/B14 P10)  
Seriennummer : 0205  
Prüfnummer : 220205  
Besonderes : future 32.55K

Versuchsaufbau	Messparameter
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Grundlast : 5 %	Strom von : 15 A bis : 60 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]
23.5	14.7	14649.0	346.1	274.5	79.30	17.9	24.0
23.4	16.0	14535.0	374.7	302.5	80.72	19.9	24.0
23.4	16.9	14454.0	395.6	322.8	81.59	21.3	24.0
23.3	17.9	14376.0	417.2	343.8	82.40	22.8	24.0
23.3	18.9	14294.0	440.1	365.8	83.11	24.4	24.0
23.3	19.9	14216.0	463.3	388.0	83.76	26.1	24.0
23.2	21.0	14137.0	487.3	410.7	84.29	27.7	24.0
23.2	21.9	14068.0	508.5	430.7	84.71	29.2	24.0
23.1	22.9	14000.0	529.7	450.3	85.01	30.7	24.0
23.1	23.8	13937.0	550.0	469.2	85.31	32.1	24.0
23.1	24.8	13870.0	571.3	489.1	85.61	33.7	24.0
23.0	26.0	13786.0	598.1	513.7	85.89	35.6	24.0
23.0	27.0	13716.0	620.6	534.7	86.15	37.2	24.0
23.0	28.0	13650.0	642.2	553.5	86.19	38.7	24.0
22.9	28.7	13597.0	659.1	569.2	86.35	40.0	24.0
22.9	30.0	13512.0	687.4	595.8	86.67	42.1	24.0
22.9	30.8	13462.0	703.8	610.7	86.77	43.3	24.0
22.8	31.9	13386.0	729.1	633.0	86.81	45.2	24.0
22.8	32.7	13332.0	746.0	648.1	86.87	46.4	24.0
22.8	33.6	13273.0	764.9	664.7	86.90	47.8	24.0
22.7	34.6	13205.0	787.6	685.3	87.02	49.6	24.0
22.7	36.0	13116.0	817.7	711.0	86.95	51.8	24.0
22.7	36.6	13076.0	830.0	721.4	86.92	52.7	24.0
22.6	37.7	13006.0	852.8	741.1	86.91	54.4	24.0
22.6	39.0	12917.0	882.3	765.5	86.76	56.6	24.0
22.6	39.6	12876.0	895.0	776.3	86.74	57.6	24.0
22.5	41.0	12788.0	924.2	800.4	86.60	59.8	24.0
22.5	42.1	12717.0	946.6	818.3	86.45	61.4	24.0
22.5	43.0	12653.0	967.1	834.4	86.28	63.0	24.0
22.4	44.2	12580.0	990.4	852.8	86.10	64.7	24.0
22.4	45.2	12515.0	1011.2	868.4	85.88	66.3	24.0
22.4	46.2	12446.0	1032.2	884.2	85.66	67.8	24.0
22.3	46.6	12410.0	1042.1	892.9	85.68	68.7	24.0
22.3	48.1	12314.0	1073.0	915.5	85.32	71.0	24.0
22.3	49.1	12245.0	1094.1	930.8	85.08	72.6	24.0
22.2	50.2	12172.0	1116.1	946.9	84.84	74.3	24.0
22.2	51.1	12112.0	1133.7	960.2	84.69	75.7	24.0
22.2	51.8	12059.0	1149.0	970.4	84.46	76.8	24.0
22.1	53.0	11979.0	1173.0	988.1	84.23	78.8	24.0
22.1	54.1	11901.0	1196.4	1003.8	83.90	80.5	24.0
22.1	55.2	11828.0	1217.8	1017.7	83.57	82.2	24.0
22.0	56.0	11766.0	1235.1	1028.9	83.31	83.5	24.0
22.0	56.5	11727.0	1243.7	1034.4	83.17	84.2	24.0
22.0	58.1	11621.0	1276.6	1055.3	82.66	86.7	24.0
21.9	59.1	11548.0	1296.8	1066.8	82.26	88.2	24.0
21.9	59.6	11509.0	1305.8	1070.1	81.95	88.8	24.0

Dateiname : ''  
Datum : 09.03.2005 09:12:10

Bezeichnung : Orbit 25/14 (HP 355/25/B14 P10)  
Seriennummer : 0205  
Prüfnummer : 220205  
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      :  15 A bis :  60 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]
27.1	16.7	16765.0	452.4	375.6	83.04	21.4	24.0
27.1	16.0	16779.0	433.0	357.1	82.47	20.3	24.0
27.0	17.0	16683.0	460.7	384.6	83.48	22.0	24.0
27.0	17.9	16604.0	483.9	407.2	84.15	23.4	24.0
26.9	19.0	16517.0	510.8	433.4	84.84	25.1	24.0
26.9	20.0	16434.0	537.4	459.3	85.47	26.7	24.0
26.9	20.9	16358.0	561.6	483.0	86.00	28.2	24.0
26.8	21.9	16278.0	588.4	507.6	86.27	29.8	24.0
26.8	22.8	16209.0	611.1	529.3	86.61	31.2	24.0
26.7	23.9	16126.0	639.3	556.0	86.96	32.9	24.0
26.7	24.8	16054.0	663.5	578.7	87.21	34.4	24.0
26.7	25.8	15982.0	688.0	601.9	87.49	36.0	24.0
26.6	26.8	15907.0	713.6	625.6	87.66	37.6	24.0
26.6	28.0	15823.0	743.6	653.6	87.90	39.4	24.0
26.6	28.8	15756.0	765.7	673.1	87.90	40.8	24.0
26.5	29.8	15684.0	790.4	696.0	88.06	42.4	24.0
26.5	30.8	15613.0	815.5	718.7	88.12	44.0	24.0
26.4	31.7	15546.0	838.0	738.8	88.16	45.4	24.0
26.4	32.6	15477.0	862.0	760.6	88.24	46.9	24.0
26.4	34.2	15366.0	902.4	796.1	88.22	49.5	24.0
26.3	35.0	15314.0	920.1	811.3	88.18	50.6	24.0
26.3	35.7	15260.0	938.0	826.8	88.14	51.7	24.0
26.3	36.9	15177.0	967.7	852.4	88.09	53.6	24.0
26.2	38.1	15092.0	997.6	878.1	88.02	55.6	24.0
26.2	38.6	15050.0	1010.4	889.0	87.99	56.4	24.0
26.1	40.0	14953.0	1045.4	918.4	87.85	58.6	24.0
26.1	41.0	14880.0	1070.0	939.2	87.78	60.3	24.0
26.1	42.0	14805.0	1096.0	960.2	87.60	61.9	24.0
26.0	43.1	14731.0	1120.7	980.6	87.50	63.6	24.0
26.0	43.8	14680.0	1137.5	994.1	87.40	64.7	24.0
26.0	45.1	14583.0	1171.5	1020.8	87.14	66.8	24.0
25.9	45.8	14533.0	1186.6	1032.8	87.04	67.9	24.0
25.9	46.5	14477.0	1204.9	1047.4	86.93	69.1	24.0
25.8	48.0	14374.0	1240.7	1074.4	86.60	71.4	24.0
25.8	49.2	14290.0	1268.4	1095.5	86.37	73.2	24.0
25.8	50.2	14217.0	1292.3	1112.7	86.10	74.7	24.0
25.7	51.0	14151.0	1312.7	1127.2	85.87	76.1	24.0
25.7	51.6	14108.0	1325.5	1137.2	85.80	77.0	24.0
25.7	53.2	13996.0	1364.0	1164.1	85.34	79.4	24.0
25.6	53.4	13968.0	1370.3	1167.8	85.22	79.8	24.0
25.6	55.3	13838.0	1415.1	1197.6	84.63	82.6	24.0
25.6	55.6	13805.0	1422.1	1201.9	84.52	83.1	24.0
25.5	57.0	13706.0	1454.9	1223.1	84.07	85.2	24.0
25.5	57.6	13658.0	1468.3	1231.1	83.85	86.1	24.0
25.4	59.1	13548.0	1504.2	1253.3	83.32	88.3	24.0
25.4	59.5	13513.0	1512.0	1257.0	83.13	88.8	24.0



Dateiname : ''  
Datum : 09.03.2005 09:12:49

Bezeichnung : Orbit 25/14 (HP 355/25/B14 P10)  
Seriennummer : 0205  
Prüfnummer : 220205  
Besonderes : future 32.55K

<p>Versuchsaufbau  -----  Grundlast : 5 %  Hebelarmlänge : 60 mm  Waagezelle : 50 N  Dämpfungsfaktor: 5  Regelzeit : 100 ms</p>	<p>Messparameter  -----  Strom von : 15 A bis : 60 A  Schrittweite : 1.0 A  Reglerausgang : 100 %</p>
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Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Wirkungsgrad [%]	Drehmoment [Ncm]	Temp. [°C]
29.7	14.5	18395.0	429.7	338.3	78.74	17.6	24.0
29.6	15.9	18251.0	471.1	378.9	80.42	19.8	24.0
29.5	17.1	18141.0	503.0	410.2	81.56	21.6	24.0
29.4	17.9	18057.0	528.0	434.2	82.23	23.0	24.0
29.4	18.9	17971.0	555.0	460.6	82.99	24.5	24.0
29.3	20.0	17877.0	586.0	490.3	83.67	26.2	24.0
29.3	20.9	17802.0	611.2	514.1	84.12	27.6	24.0
29.2	22.0	17707.0	643.1	545.6	84.84	29.4	24.0
29.2	22.9	17637.0	667.9	570.2	85.36	30.9	24.0
29.2	23.8	17560.0	693.0	593.8	85.69	32.3	24.0
29.1	25.1	17459.0	729.3	628.4	86.16	34.4	24.0
29.1	26.0	17386.0	755.0	652.4	86.40	35.8	24.0
29.0	26.8	17317.0	779.3	675.1	86.63	37.2	24.0
29.0	27.8	17243.0	805.5	699.3	86.82	38.7	24.0
28.9	28.9	17158.0	836.2	728.1	87.08	40.5	24.0
28.9	29.8	17088.0	861.7	752.3	87.31	42.0	24.0
28.9	30.9	17004.0	892.4	779.9	87.40	43.8	24.0
28.8	31.8	16936.0	918.0	803.1	87.48	45.3	24.0
28.8	32.7	16868.0	942.0	825.0	87.58	46.7	24.0
28.7	33.7	16794.0	970.0	849.6	87.59	48.3	24.0
28.7	34.7	16719.0	997.4	874.5	87.68	50.0	24.0
28.7	35.6	16653.0	1021.4	895.4	87.66	51.3	24.0
28.6	37.0	16553.0	1058.8	928.6	87.70	53.6	24.0
28.6	37.6	16505.0	1075.5	943.6	87.74	54.6	24.0
28.5	39.0	16406.0	1111.9	974.4	87.64	56.7	24.0
28.5	39.8	16346.0	1133.6	993.2	87.61	58.0	24.0
28.5	40.6	16280.0	1157.1	1013.3	87.57	59.4	24.0
28.4	41.6	16210.0	1182.0	1034.7	87.54	61.0	24.0
28.4	43.0	16106.0	1221.3	1067.5	87.41	63.3	24.0
28.4	43.6	16062.0	1236.3	1079.6	87.33	64.2	24.0
28.3	45.0	15960.0	1274.3	1110.6	87.16	66.4	24.0
28.3	46.1	15878.0	1303.4	1134.1	87.01	68.2	24.0
28.2	47.1	15806.0	1329.4	1153.9	86.80	69.7	24.0
28.2	47.6	15758.0	1343.4	1166.1	86.81	70.7	24.0
28.2	49.1	15656.0	1381.5	1194.6	86.47	72.9	24.0
28.1	49.6	15611.0	1394.9	1205.0	86.39	73.7	24.0
28.1	51.2	15497.0	1436.4	1236.2	86.06	76.2	24.0
28.0	51.6	15457.0	1448.4	1244.2	85.90	76.9	24.0
28.0	53.3	15339.0	1492.4	1276.1	85.51	79.4	24.0
28.0	53.7	15306.0	1500.9	1281.7	85.39	80.0	24.0
27.9	55.0	15204.0	1536.7	1306.6	85.02	82.1	24.0
27.9	55.5	15165.0	1547.6	1313.3	84.86	82.7	24.0
27.8	57.0	15053.0	1587.4	1340.2	84.43	85.0	24.0
27.8	58.1	14966.0	1616.3	1359.3	84.10	86.7	24.0
27.8	58.5	14931.0	1624.6	1364.1	83.96	87.2	24.0
27.7	60.0	14820.0	1663.3	1389.8	83.55	89.6	24.0