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Dateiname : ''  
Datum : 09.03.2005 14:03:38

Bezeichnung : Orbit 25/16 (HP 355/25/B16 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]
10.0	9.8	5514.0	98.8	83.7	84.71	14.5	23.0
10.0	10.9	5457.0	109.3	93.6	85.59	16.4	23.0
10.0	12.0	5402.0	120.2	103.6	86.19	18.3	23.0
10.0	13.0	5357.0	129.4	111.9	86.49	19.9	23.0
9.9	14.0	5308.0	139.4	121.0	86.76	21.8	23.0
9.9	15.0	5264.0	148.7	129.3	86.93	23.4	23.0
9.9	16.0	5217.0	158.6	137.9	86.94	25.2	23.0
9.9	17.1	5169.0	168.8	146.8	86.99	27.1	23.0
9.9	18.1	5124.0	178.4	155.1	86.96	28.9	23.0
9.8	19.1	5077.0	188.5	163.6	86.82	30.8	23.0
9.8	20.1	5037.0	197.3	171.1	86.70	32.4	23.0
9.8	21.0	4993.0	206.6	178.9	86.57	34.2	23.0
9.8	22.1	4948.0	216.6	186.8	86.27	36.1	23.0
9.8	23.1	4903.0	226.3	194.8	86.10	37.9	23.0
9.8	24.1	4860.0	235.6	202.2	85.83	39.7	23.0
9.8	25.0	4820.0	244.1	208.8	85.56	41.4	23.0
9.7	26.0	4779.0	252.8	215.4	85.21	43.0	23.0
9.7	27.2	4727.0	264.2	223.7	84.68	45.2	23.0
9.7	28.2	4684.0	273.2	230.2	84.26	46.9	23.0
9.7	29.1	4643.0	282.1	236.3	83.77	48.6	23.0
9.7	30.2	4597.0	291.7	242.8	83.24	50.4	23.0
9.7	30.6	4576.0	295.8	245.7	83.05	51.3	23.0
9.6	32.1	4512.0	309.7	254.6	82.22	53.9	23.0
9.6	33.2	4467.0	319.0	260.5	81.66	55.7	23.0
9.6	33.8	4435.0	325.1	264.3	81.29	56.9	23.0
9.6	35.0	4383.0	336.0	270.8	80.61	59.0	23.0
9.6	35.7	4351.0	342.1	274.3	80.18	60.2	23.0
9.6	36.7	4306.0	351.2	279.5	79.58	62.0	23.0
9.5	38.2	4240.0	364.8	287.0	78.66	64.6	23.0
9.5	39.1	4199.0	372.6	290.9	78.08	66.2	23.0
9.5	40.1	4154.0	381.4	295.1	77.39	67.8	23.0



Dateiname : ''  
Datum : 09.03.2005 14:04:39

Bezeichnung : Orbit 25/16 (HP 355/25/B16 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]
12.6	10.0	6917.0	125.2	105.7	84.41	14.6	23.0
12.5	11.0	6858.0	137.3	117.1	85.28	16.3	23.0
12.5	12.0	6803.0	149.7	128.9	86.07	18.1	23.0
12.5	13.0	6748.0	162.2	140.5	86.62	19.9	23.0
12.4	14.0	6697.0	174.1	151.6	87.08	21.6	23.0
12.4	15.0	6645.0	186.7	163.1	87.36	23.4	23.0
12.4	16.0	6596.0	198.3	173.7	87.63	25.2	23.0
12.4	16.8	6553.0	208.8	183.2	87.75	26.7	23.0
12.4	18.0	6498.0	222.6	195.6	87.86	28.7	23.0
12.3	19.1	6445.0	235.7	206.9	87.81	30.7	23.0
12.3	20.1	6397.0	247.6	217.5	87.83	32.5	23.0
12.3	21.1	6348.0	259.5	227.7	87.75	34.3	23.0
12.3	22.1	6302.0	271.1	237.5	87.62	36.0	23.0
12.3	23.1	6251.0	283.9	248.1	87.42	37.9	23.0
12.2	24.2	6201.0	296.1	258.2	87.21	39.8	23.0
12.2	25.2	6156.0	307.6	267.5	86.98	41.5	23.0
12.2	26.2	6108.0	319.4	277.1	86.75	43.3	23.0
12.2	27.0	6069.0	328.6	284.6	86.62	44.8	23.0
12.2	28.1	6014.0	342.5	295.3	86.21	46.9	23.0
12.2	29.2	5964.0	355.0	304.9	85.90	48.8	23.0
12.1	30.1	5922.0	365.2	312.4	85.55	50.4	23.0
12.1	31.1	5873.0	377.2	321.2	85.16	52.2	23.0
12.1	32.0	5831.0	387.4	328.6	84.81	53.8	23.0
12.1	33.2	5778.0	400.4	337.7	84.34	55.8	23.0
12.1	34.1	5733.0	411.3	345.3	83.96	57.5	23.0
12.0	35.2	5680.0	424.0	354.0	83.50	59.5	23.0
12.0	35.7	5653.0	429.8	357.7	83.23	60.4	23.0
12.0	37.1	5589.0	445.4	368.1	82.64	62.9	23.0
12.0	37.7	5558.0	452.1	372.2	82.32	63.9	23.0
12.0	39.1	5490.0	468.3	382.1	81.60	66.5	23.0
11.9	40.2	5440.0	479.9	389.0	81.07	68.3	23.0



Dateiname : ''  
Datum : 09.03.2005 14:04:57

Bezeichnung : Orbit 25/16 (HP 355/25/B16 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]
15.1	10.0	8343.0	150.7	127.2	84.36	14.6	24.0
15.1	10.9	8285.0	165.2	140.7	85.19	16.2	24.0
15.1	11.9	8222.0	179.6	154.5	86.05	17.9	24.0
15.0	13.0	8160.0	195.0	169.6	86.99	19.8	24.0
15.0	13.9	8103.0	209.0	183.1	87.63	21.6	24.0
15.0	15.0	8043.0	224.6	197.9	88.11	23.5	24.0
14.9	16.0	7983.0	239.6	211.8	88.40	25.3	24.0
14.9	17.1	7929.0	254.5	225.0	88.42	27.1	24.0
14.9	18.1	7874.0	268.9	238.4	88.63	28.9	24.0
14.9	19.0	7825.0	282.2	250.4	88.73	30.6	24.0
14.8	19.8	7780.0	294.3	261.4	88.82	32.1	24.0
14.8	20.8	7727.0	309.1	274.5	88.81	33.9	24.0
14.8	22.1	7663.0	326.8	290.0	88.73	36.1	23.0
14.8	23.1	7612.0	340.7	302.2	88.72	37.9	23.0
14.8	24.1	7559.0	355.8	315.2	88.59	39.8	23.0
14.7	25.2	7506.0	370.4	327.6	88.46	41.7	23.0
14.7	26.1	7458.0	383.5	338.7	88.31	43.4	23.0
14.7	27.2	7401.0	399.4	351.6	88.02	45.4	23.0
14.7	28.1	7356.0	411.9	361.9	87.86	47.0	24.0
14.6	29.1	7305.0	426.3	373.5	87.63	48.8	24.0
14.6	30.2	7247.0	442.0	386.2	87.37	50.9	24.0
14.6	31.2	7199.0	455.6	396.3	86.99	52.6	24.0
14.6	32.1	7154.0	467.8	406.0	86.78	54.2	24.0
14.6	33.2	7099.0	482.8	417.4	86.45	56.1	24.0
14.5	34.1	7054.0	494.9	426.5	86.18	57.7	24.0
14.5	35.2	6996.0	510.8	437.8	85.70	59.8	24.0
14.5	36.2	6947.0	524.2	447.7	85.39	61.5	24.0
14.5	37.1	6899.0	536.8	456.6	85.06	63.2	24.0
14.4	38.2	6842.0	552.1	467.0	84.57	65.2	24.0
14.4	39.1	6796.0	564.0	475.2	84.25	66.8	24.0
14.4	40.2	6739.0	578.7	484.8	83.76	68.7	24.0
14.4	41.4	6680.0	594.4	494.8	83.24	70.7	24.0
14.4	41.7	6657.0	599.2	497.8	83.08	71.4	24.0
14.3	43.3	6579.0	620.2	510.8	82.36	74.1	24.0
14.3	44.1	6531.0	631.9	517.3	81.86	75.6	24.0
14.3	45.3	6470.0	647.3	526.4	81.33	77.7	24.0

Dateiname : ''  
Datum : 09.03.2005 14:05:14

Bezeichnung : Orbit 25/16 (HP 355/25/B16 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]
17.6	9.9	9719.0	174.9	145.6	83.26	14.3	24.0
17.6	11.1	9641.0	194.9	165.0	84.65	16.3	24.0
17.5	12.0	9580.0	210.3	179.7	85.45	17.9	24.0
17.5	12.9	9519.0	226.4	195.0	86.13	19.6	24.0
17.5	13.9	9458.0	242.2	210.3	86.83	21.2	24.0
17.4	15.0	9387.0	261.9	228.9	87.40	23.3	24.0
17.4	16.1	9323.0	279.5	245.6	87.88	25.2	24.0
17.4	17.0	9264.0	295.9	261.0	88.22	26.9	24.0
17.3	17.8	9216.0	309.2	273.0	88.31	28.3	24.0
17.3	19.1	9144.0	330.2	292.7	88.63	30.6	24.0
17.3	20.1	9088.0	346.8	307.8	88.77	32.3	24.0
17.3	21.0	9031.0	363.0	322.8	88.93	34.1	24.0
17.2	22.1	8971.0	381.0	338.9	88.96	36.1	24.0
17.2	23.0	8918.0	396.4	352.7	88.96	37.8	24.0
17.2	24.1	8859.0	414.0	368.2	88.93	39.7	24.0
17.2	25.1	8804.0	430.5	383.0	88.96	41.5	24.0
17.1	26.2	8744.0	448.5	398.6	88.88	43.5	24.0
17.1	27.1	8694.0	463.0	411.1	88.80	45.2	24.0
17.1	28.1	8635.0	480.5	426.4	88.75	47.2	24.0
17.0	29.2	8578.0	498.0	440.2	88.39	49.0	24.0
17.0	30.2	8527.0	513.3	452.8	88.22	50.7	24.0
17.0	31.2	8470.0	530.0	466.1	87.94	52.5	24.0
17.0	32.0	8423.0	543.7	476.7	87.68	54.0	24.0
16.9	33.2	8361.0	562.3	491.8	87.45	56.2	24.0
16.9	34.3	8303.0	579.7	504.8	87.09	58.1	24.0
16.9	35.2	8251.0	594.6	515.8	86.75	59.7	24.0
16.9	36.2	8198.0	609.9	527.1	86.42	61.4	24.0
16.8	37.2	8141.0	626.5	539.7	86.15	63.3	24.0
16.8	38.1	8089.0	640.8	550.6	85.92	65.0	24.0
16.8	39.3	8027.0	660.0	563.6	85.39	67.0	24.0
16.8	40.0	7977.0	670.8	573.1	85.44	68.6	24.0
16.7	41.1	7922.0	688.3	583.7	84.79	70.4	24.0
16.7	42.3	7856.0	706.8	596.1	84.35	72.5	24.0
16.7	43.1	7807.0	720.2	604.8	83.98	74.0	24.0
16.7	44.1	7749.0	735.6	614.9	83.60	75.8	24.0
16.6	45.1	7692.0	751.3	624.4	83.12	77.5	24.0



Dateiname : ''  
Datum : 09.03.2005 14:05:32

Bezeichnung : Orbit 25/16 (HP 355/25/B16 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]
19.3	9.7	10642.0	187.9	152.0	80.89	13.6	24.0
19.1	11.1	10474.0	212.3	175.8	82.84	16.0	24.0
19.0	12.0	10364.0	227.2	190.3	83.78	17.5	24.0
18.9	13.1	10272.0	247.5	210.0	84.82	19.5	24.0
18.8	13.9	10201.0	261.8	223.9	85.51	21.0	24.0
18.8	14.9	10117.0	279.0	240.3	86.11	22.7	24.0
18.7	16.0	10049.0	300.4	260.5	86.73	24.8	24.0
18.7	17.0	9952.0	316.7	275.3	86.93	26.4	24.0
18.6	17.9	9906.0	333.3	290.9	87.26	28.0	24.0
18.6	19.2	9808.0	355.7	311.3	87.52	30.3	24.0
18.5	20.2	9716.0	374.1	329.0	87.96	32.3	24.0
18.6	21.1	9748.0	392.5	345.9	88.14	33.9	24.0
18.6	22.1	9672.0	409.4	361.2	88.22	35.7	24.0
18.4	22.8	9547.0	418.4	369.0	88.20	36.9	24.0
18.4	24.3	9473.0	446.2	393.7	88.22	39.7	24.0
18.4	24.8	9457.0	455.7	402.2	88.27	40.6	24.0
18.3	26.2	9337.0	478.6	422.3	88.24	43.2	24.0
18.2	27.1	9272.0	492.6	434.8	88.25	44.8	24.0
18.2	28.1	9213.0	510.8	450.1	88.11	46.6	24.0
18.1	28.9	9164.0	524.0	461.5	88.08	48.1	24.0
18.1	30.1	9094.0	545.7	479.4	87.86	50.3	24.0
18.1	30.9	9036.0	558.5	489.7	87.68	51.8	24.0
18.0	32.2	8940.0	578.5	505.7	87.41	54.0	24.0
18.0	33.1	8901.0	596.1	519.6	87.16	55.7	24.0
17.9	34.4	8820.0	618.0	536.5	86.81	58.1	24.0
18.0	35.3	8801.0	634.1	549.1	86.59	59.6	24.0
17.9	36.1	8749.0	647.8	560.0	86.44	61.1	24.0
17.9	37.2	8681.0	665.7	573.3	86.12	63.1	24.0
17.9	38.2	8625.0	682.2	585.7	85.85	64.8	24.0
17.9	38.3	8627.0	686.3	589.3	85.87	65.2	24.0
17.8	40.1	8520.0	715.1	609.6	85.25	68.3	24.0
17.8	41.1	8457.0	730.9	620.5	84.89	70.1	24.0
17.9	42.0	8447.0	751.1	635.1	84.56	71.8	24.0
17.8	42.9	8384.0	765.4	644.5	84.21	73.4	24.0
17.8	44.3	8305.0	788.0	659.4	83.68	75.8	24.0
17.8	45.0	8255.0	800.2	667.5	83.41	77.2	24.0



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Dateiname      : ''
Datum          : 09.03.2005 14:05:50

Bezeichnung    : Orbit 25/16 (HP 355/25/B16 P10)
Seriennummer   : 0205
Prüfnummer    : 210205
Besonderes    : future 32.55K

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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]
21.2	9.8	11708.0	209.1	170.4	81.51	13.9	24.0
21.2	10.9	11623.0	230.6	191.3	82.94	15.7	24.0
21.1	12.0	11544.0	252.5	212.7	84.22	17.6	24.0
21.1	12.9	11471.0	272.7	232.5	85.26	19.4	24.0
21.1	13.9	11403.0	292.2	251.3	85.98	21.0	24.0
21.0	14.8	11336.0	311.7	269.9	86.60	22.7	24.0
21.0	16.0	11259.0	334.8	292.3	87.30	24.8	24.0
20.9	17.0	11187.0	356.2	312.5	87.72	26.7	24.0
20.9	18.0	11120.0	376.0	331.0	88.03	28.4	24.0
20.9	19.0	11055.0	396.1	349.7	88.30	30.2	24.0
20.8	20.0	10988.0	416.9	368.9	88.49	32.1	24.0
20.8	21.1	10916.0	439.1	389.3	88.66	34.1	24.0
20.8	22.0	10859.0	456.7	404.9	88.64	35.6	24.0
20.7	23.1	10786.0	479.2	425.1	88.70	37.6	24.0
20.7	24.1	10724.0	498.5	441.6	88.58	39.3	24.0
20.7	25.1	10659.0	518.9	459.2	88.51	41.1	24.0
20.6	26.0	10602.0	536.9	475.2	88.51	42.8	24.0
20.6	27.1	10532.0	559.3	494.8	88.47	44.9	24.0
20.6	28.1	10470.0	578.4	511.7	88.47	46.7	24.0
20.6	29.0	10410.0	597.1	527.9	88.42	48.4	24.0
20.5	30.0	10348.0	616.7	544.9	88.35	50.3	24.0
20.5	31.2	10278.0	639.0	563.8	88.23	52.4	24.0
20.5	32.1	10221.0	656.6	578.0	88.03	54.0	24.0
20.4	33.1	10158.0	676.1	594.7	87.96	55.9	24.0
20.4	34.2	10092.0	697.4	611.7	87.71	57.9	24.0
20.4	34.7	10059.0	706.8	619.6	87.67	58.8	24.0
20.3	36.2	9968.0	735.9	642.5	87.31	61.6	24.0
20.3	37.2	9910.0	754.2	656.1	87.00	63.2	24.0
20.3	38.3	9840.0	776.0	672.7	86.69	65.3	24.0
20.2	38.8	9804.0	785.9	679.9	86.52	66.2	24.0
20.2	40.4	9710.0	815.6	702.3	86.11	69.1	24.0
20.2	41.0	9670.0	827.5	710.6	85.88	70.2	24.0
20.2	42.1	9605.0	847.6	725.0	85.53	72.1	24.0
20.1	43.1	9540.0	867.6	739.0	85.18	74.0	24.0
20.1	44.2	9474.0	887.1	752.6	84.84	75.9	24.0
20.0	45.6	9389.0	913.4	770.2	84.32	78.3	24.0



Dateiname : ''  
Datum : 09.03.2005 14:06:07

Bezeichnung : Orbit 25/16 (HP 355/25/B16 P10)  
Seriennummer : 0205  
Prüfnummer : 210205  
Besonderes : future 32.55K

Versuchsaufbau

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

Messparameter

-----  
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]
22.6	10.0	12421.0	225.6	179.5	79.58	13.8	24.0
22.5	10.9	12339.0	245.7	199.5	81.20	15.4	24.0
22.5	12.0	12256.0	268.7	222.5	82.83	17.3	24.0
22.4	12.9	12181.0	289.6	243.2	83.98	19.1	24.0
22.4	14.0	12099.0	312.9	266.2	85.07	21.0	24.0
22.3	14.9	12032.0	332.2	285.2	85.85	22.6	24.0
22.3	15.8	11964.0	352.4	304.6	86.44	24.3	24.0
22.2	16.8	11891.0	374.1	325.2	86.91	26.1	24.0
22.2	18.0	11811.0	398.7	348.3	87.36	28.2	24.0
22.2	18.8	11748.0	417.5	366.0	87.68	29.8	24.0
22.1	19.9	11674.0	440.4	386.8	87.85	31.6	24.0
22.1	20.8	11613.0	458.7	403.6	87.99	33.2	24.0
22.0	21.9	11534.0	483.5	426.3	88.17	35.3	24.0
22.0	23.0	11459.0	507.0	447.8	88.31	37.3	24.0
22.0	24.1	11391.0	528.3	466.7	88.35	39.1	24.0
21.9	24.7	11346.0	542.3	479.5	88.41	40.4	24.0
21.9	26.2	11251.0	573.4	506.7	88.36	43.0	24.0
21.8	27.0	11197.0	590.6	521.6	88.32	44.5	24.0
21.8	28.0	11135.0	610.1	538.9	88.32	46.2	24.0
21.8	29.0	11065.0	632.5	558.2	88.25	48.2	24.0
21.7	30.1	10997.0	654.5	577.2	88.19	50.1	24.0
21.7	31.1	10932.0	675.1	594.6	88.07	51.9	24.0
21.7	32.1	10869.0	695.4	611.2	87.89	53.7	24.0
21.6	33.0	10811.0	713.5	626.2	87.77	55.3	24.0
21.6	34.0	10746.0	733.9	643.3	87.65	57.2	24.0
21.6	35.1	10673.0	757.5	663.2	87.55	59.3	24.0
21.5	36.1	10609.0	777.8	679.8	87.41	61.2	24.0
21.5	37.1	10547.0	798.0	696.1	87.23	63.0	24.0
21.5	38.0	10491.0	814.7	709.0	87.02	64.5	24.0
21.4	39.2	10411.0	839.9	728.0	86.68	66.8	24.0
21.4	40.2	10346.0	859.7	743.7	86.50	68.6	24.0
21.3	41.4	10272.0	883.0	761.0	86.18	70.7	24.0
21.3	41.7	10247.0	889.6	766.0	86.10	71.4	24.0
21.3	43.2	10150.0	919.8	787.9	85.66	74.1	24.0
21.2	44.0	10096.0	935.6	799.1	85.41	75.6	24.0
21.2	45.3	10015.0	960.0	815.8	84.98	77.8	24.0

Dateiname : ''  
Datum : 09.03.2005 14:06:25

Bezeichnung : Orbit 25/16 (HP 355/25/B16 P10)  
Seriennummer : 0205  
Prüfnummer : 210205  
Besonderes : future 32.55K

Versuchsaufbau

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

Messparameter

-----  
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]
25.0	9.9	13741.0	246.5	185.6	75.29	12.9	24.0
24.9	11.1	13635.0	276.0	214.6	77.75	15.0	24.0
24.9	11.9	13560.0	296.6	235.3	79.34	16.6	24.0
24.8	12.9	13478.0	321.1	259.8	80.91	18.4	24.0
24.8	14.0	13396.0	346.2	284.7	82.24	20.3	24.0
24.7	15.0	13319.0	369.8	307.8	83.23	22.1	24.0
24.7	15.9	13245.0	393.1	330.1	83.97	23.8	24.0
24.6	17.0	13164.0	419.2	355.2	84.75	25.8	24.0
24.6	17.9	13098.0	440.0	375.2	85.28	27.4	24.0
24.6	19.1	13011.0	468.1	402.0	85.89	29.5	24.0
24.5	19.8	12956.0	485.2	418.8	86.33	30.9	24.0
24.5	21.2	12856.0	519.6	451.7	86.94	33.6	24.0
24.4	22.0	12802.0	537.3	468.1	87.14	34.9	24.0
24.4	23.0	12732.0	561.3	490.1	87.31	36.8	24.0
24.4	23.9	12666.0	583.3	510.3	87.48	38.5	24.0
24.3	25.0	12593.0	608.4	532.7	87.56	40.4	24.0
24.3	26.0	12528.0	630.4	552.4	87.64	42.1	24.0
24.3	27.0	12456.0	655.0	574.8	87.76	44.1	24.0
24.2	28.1	12384.0	679.6	596.3	87.73	46.0	24.0
24.2	29.0	12322.0	701.2	614.3	87.62	47.6	24.0
24.1	30.1	12252.0	725.6	635.7	87.61	49.5	24.0
24.1	31.1	12183.0	749.5	656.1	87.53	51.4	24.0
24.1	32.1	12117.0	772.0	675.5	87.50	53.2	24.0
24.0	33.1	12050.0	794.8	695.3	87.47	55.1	24.0
24.0	34.1	11983.0	817.6	714.7	87.41	57.0	24.0
24.0	35.1	11914.0	841.0	734.4	87.32	58.9	24.0
23.9	36.2	11843.0	865.2	754.6	87.22	60.8	24.0
23.9	37.2	11775.0	888.7	773.8	87.07	62.8	24.0
23.8	38.1	11716.0	908.0	790.2	87.03	64.4	24.0
23.8	39.1	11650.0	930.1	808.3	86.90	66.3	24.0
23.8	40.2	11575.0	955.2	827.8	86.66	68.3	24.0
23.7	41.1	11513.0	975.4	843.1	86.43	69.9	24.0
23.7	42.3	11435.0	1001.7	863.0	86.15	72.1	24.0
23.7	43.2	11371.0	1021.3	878.0	85.97	73.7	24.0
23.6	43.7	11333.0	1033.4	886.5	85.79	74.7	24.0
23.6	45.3	11230.0	1067.9	911.2	85.33	77.5	24.0
23.6	46.2	11166.0	1088.2	925.0	85.00	79.1	24.0
23.5	47.1	11102.0	1108.3	938.9	84.72	80.8	24.0
23.5	48.2	11029.0	1131.4	954.7	84.39	82.7	24.0
23.4	49.1	10965.0	1151.1	967.8	84.07	84.3	24.0
23.4	50.2	10886.0	1176.0	983.5	83.63	86.3	24.0





Dateiname : ''  
Datum : 09.03.2005 14:06:40

Bezeichnung : Orbit 25/16 (HP 355/25/B16 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]
26.2	10.0	14401.0	262.5	197.4	75.22	13.1	24.0
26.2	11.0	14310.0	287.2	222.4	77.42	14.8	24.0
26.1	12.0	14222.0	312.2	247.1	79.15	16.6	24.0
26.1	13.0	14136.0	338.3	273.0	80.69	18.4	24.0
26.0	14.0	14053.0	363.2	297.5	81.91	20.2	24.0
26.0	15.0	13970.0	388.7	322.6	83.00	22.0	24.0
25.9	16.0	13891.0	413.3	346.6	83.86	23.8	24.0
25.9	16.9	13817.0	437.1	369.4	84.50	25.5	24.0
25.8	17.8	13743.0	460.7	392.1	85.12	27.2	24.0
25.8	18.8	13666.0	485.6	415.9	85.65	29.1	24.0
25.7	19.8	13593.0	509.5	438.8	86.13	30.8	24.0
25.7	20.8	13523.0	533.6	461.5	86.50	32.6	24.0
25.6	21.8	13448.0	558.3	485.4	86.94	34.5	24.0
25.6	23.0	13358.0	589.2	514.1	87.25	36.8	24.0
25.6	23.9	13292.0	611.8	534.8	87.41	38.4	24.0
25.5	25.0	13217.0	637.4	558.4	87.60	40.3	24.0
25.5	26.0	13145.0	662.9	581.0	87.64	42.2	24.0
25.4	27.0	13072.0	687.2	603.3	87.79	44.1	24.0
25.4	27.8	13016.0	706.2	620.2	87.83	45.5	24.0
25.4	28.9	12942.0	732.4	643.6	87.88	47.5	24.0
25.3	29.6	12891.0	749.4	659.0	87.94	48.8	24.0
25.3	31.1	12797.0	785.2	690.0	87.87	51.5	24.0
25.2	32.0	12734.0	807.9	709.2	87.78	53.2	24.0
25.2	33.0	12666.0	832.5	730.2	87.71	55.0	24.0
25.2	34.0	12602.0	855.5	750.0	87.67	56.8	24.0
25.1	35.1	12531.0	881.4	771.9	87.58	58.8	24.0
25.1	36.2	12459.0	907.6	793.5	87.43	60.8	24.0
25.1	37.0	12402.0	927.7	810.6	87.37	62.4	24.0
25.0	38.1	12328.0	954.5	832.4	87.20	64.5	24.0
25.0	39.0	12270.0	975.1	849.2	87.09	66.1	24.0
25.0	40.2	12191.0	1003.2	871.3	86.85	68.2	24.0
24.9	41.1	12131.0	1024.2	887.8	86.69	69.9	24.0
24.9	42.2	12054.0	1050.6	908.7	86.49	72.0	24.0
24.9	42.6	12028.0	1058.6	915.4	86.48	72.7	24.0
24.8	44.2	11923.0	1097.5	943.9	86.00	75.6	24.0
24.8	44.6	11890.0	1107.4	952.1	85.97	76.5	24.0
24.7	46.3	11780.0	1146.2	980.7	85.56	79.5	24.0
24.7	47.2	11722.0	1165.4	994.6	85.35	81.0	24.0
24.7	48.4	11637.0	1195.0	1015.2	84.96	83.3	24.0
24.6	49.4	11574.0	1216.1	1029.7	84.68	85.0	24.0
24.6	49.6	11549.0	1222.7	1034.0	84.57	85.5	24.0

Dateiname : ''  
Datum : 09.03.2005 14:06:56

Bezeichnung : Orbit 25/16 (HP 355/25/B16 P10)  
Seriennummer : 0205  
Prüfnummer : 210205  
Besonderes : future 32.55K

Versuchsaufbau

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

Messparameter

-----  
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]
27.5	10.0	15072.0	274.1	210.6	76.85	13.3	24.0
27.4	11.1	14970.0	303.6	240.3	79.17	15.3	24.0
27.4	11.9	14891.0	326.5	263.4	80.67	16.9	24.0
27.3	12.9	14804.0	352.9	289.7	82.08	18.7	24.0
27.3	13.9	14720.0	379.5	316.1	83.31	20.5	24.0
27.2	14.9	14638.0	406.0	342.1	84.28	22.3	24.0
27.2	15.9	14557.0	432.1	368.1	85.17	24.1	24.0
27.1	16.8	14484.0	456.6	391.7	85.78	25.8	24.0
27.1	17.9	14403.0	483.7	417.9	86.39	27.7	24.0
27.0	18.8	14329.0	508.9	441.6	86.77	29.4	24.0
27.0	20.0	14240.0	539.8	471.0	87.25	31.6	24.0
26.9	20.8	14179.0	561.5	491.2	87.49	33.1	24.0
26.9	22.0	14095.0	590.9	518.7	87.78	35.1	24.0
26.9	22.8	14034.0	612.2	538.3	87.94	36.6	24.0
26.8	24.0	13950.0	642.7	566.3	88.11	38.8	24.0
26.8	25.0	13876.0	669.1	590.3	88.23	40.6	24.0
26.7	26.0	13802.0	696.3	615.4	88.37	42.6	24.0
26.7	27.0	13731.0	721.5	638.2	88.46	44.4	24.0
26.7	28.0	13664.0	745.7	659.7	88.46	46.1	24.0
26.6	29.1	13585.0	775.1	685.9	88.49	48.2	24.0
26.6	29.8	13536.0	792.6	701.5	88.51	49.5	24.0
26.5	31.0	13454.0	822.6	727.8	88.49	51.7	24.0
26.5	32.1	13376.0	851.1	753.1	88.49	53.8	24.0
26.4	33.2	13307.0	876.8	774.8	88.37	55.6	24.0
26.4	34.0	13247.0	898.1	793.2	88.32	57.2	24.0
26.4	35.1	13173.0	925.4	815.8	88.16	59.1	24.0
26.3	36.1	13101.0	950.9	837.0	88.02	61.0	24.0
26.3	36.6	13060.0	963.7	848.2	88.01	62.0	24.0
26.2	38.5	12936.0	1009.8	886.3	87.77	65.4	24.0
26.2	39.1	12893.0	1026.0	899.6	87.68	66.6	24.0
26.2	39.7	12849.0	1038.7	910.0	87.61	67.6	24.0
26.1	41.0	12756.0	1072.4	936.5	87.33	70.1	24.0
26.1	42.2	12678.0	1100.2	958.0	87.08	72.2	24.0
26.1	42.7	12638.0	1112.2	967.5	86.99	73.1	24.0
26.0	44.1	12538.0	1147.8	995.6	86.74	75.8	24.0
26.0	45.2	12457.0	1175.2	1015.5	86.41	77.8	24.0
25.9	46.2	12392.0	1197.4	1032.4	86.22	79.6	24.0
25.9	47.3	12315.0	1223.7	1051.3	85.91	81.5	24.0
25.9	48.3	12241.0	1248.7	1069.5	85.65	83.4	24.0
25.8	48.7	12210.0	1257.1	1074.1	85.44	84.0	24.0
25.8	50.2	12105.0	1293.9	1099.0	84.93	86.7	24.0

Dateiname : ''  
Datum : 09.03.2005 14:07:10

Bezeichnung : Orbit 25/16 (HP 355/25/B16 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 :  50 A
Schrittweite   :   1.0 A
Reglerausgang  :  100 %

```

Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Wirkungsgrad [%]	Drehmoment [Ncm]	Temp. [°C]
30.0	9.9	16446.0	296.5	222.7	75.10	12.9	24.0
30.0	11.1	16329.0	333.6	260.2	78.00	15.2	24.0
29.9	12.1	16242.0	361.0	287.4	79.60	16.9	24.0
29.9	12.9	16159.0	386.3	313.0	81.02	18.5	24.0
29.8	14.0	16066.0	417.1	343.7	82.40	20.4	24.0
29.7	15.0	15981.0	445.3	371.6	83.46	22.2	24.0
29.7	16.0	15892.0	475.3	401.1	84.39	24.1	24.0
29.6	17.0	15811.0	503.0	428.1	85.11	25.9	24.0
29.6	18.0	15723.0	534.1	458.1	85.77	27.8	24.0
29.6	18.8	15659.0	556.1	479.9	86.30	29.3	24.0
29.5	19.8	15576.0	585.6	508.0	86.75	31.1	24.0
29.5	20.9	15492.0	616.5	537.7	87.22	33.1	24.0
29.4	21.7	15429.0	639.2	559.5	87.52	34.6	24.0
29.4	23.3	15314.0	683.3	601.3	87.99	37.5	24.0
29.3	23.8	15274.0	697.1	614.4	88.14	38.4	24.0
29.3	24.9	15193.0	728.0	642.9	88.32	40.4	24.0
29.2	25.8	15123.0	753.8	666.8	88.45	42.1	24.0
29.2	27.1	15030.0	790.1	700.2	88.62	44.5	24.0
29.2	27.8	14972.0	811.4	719.8	88.72	45.9	24.0
29.1	29.0	14886.0	843.5	749.6	88.86	48.1	24.0
29.1	29.8	14825.0	866.6	769.8	88.83	49.6	24.0
29.0	30.7	14762.0	890.7	791.4	88.84	51.2	24.0
29.0	32.2	14654.0	933.3	828.4	88.76	54.0	24.0
28.9	32.7	14615.0	947.2	840.6	88.74	54.9	24.0
28.9	34.0	14521.0	983.9	872.0	88.62	57.3	24.0
28.9	35.1	14448.0	1011.6	895.3	88.50	59.2	24.0
28.8	36.0	14376.0	1038.6	917.9	88.38	61.0	24.0
28.8	37.1	14297.0	1068.4	942.5	88.22	63.0	24.0
28.7	37.7	14256.0	1082.4	954.2	88.16	63.9	24.0
28.7	39.0	14159.0	1119.7	984.2	87.90	66.4	24.0
28.6	40.0	14088.0	1146.2	1005.4	87.72	68.1	24.0
28.6	41.3	13999.0	1180.2	1032.3	87.47	70.4	24.0
28.6	41.7	13962.0	1192.1	1042.4	87.44	71.3	24.0
28.5	43.1	13867.0	1228.4	1071.7	87.25	73.8	24.0
28.5	44.1	13791.0	1256.1	1092.8	87.00	75.7	24.0
28.5	44.5	13755.0	1267.4	1101.9	86.94	76.5	24.0
28.4	46.2	13636.0	1312.5	1136.5	86.59	79.6	24.0
28.4	46.8	13592.0	1327.2	1147.4	86.46	80.6	24.0
28.3	48.3	13487.0	1366.4	1177.1	86.14	83.3	24.0
28.3	49.1	13424.0	1387.9	1192.6	85.93	84.8	24.0
28.2	50.1	13349.0	1415.3	1211.1	85.57	86.6	24.0



Dateiname : ''  
Datum : 09.03.2005 14:07:24

Bezeichnung : Orbit 25/16 (HP 355/25/B16 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]
31.3	9.8	17105.0	308.0	219.9	71.39	12.3	24.0
31.2	11.1	16989.0	345.7	258.1	74.66	14.5	24.0
31.1	12.0	16901.0	373.4	285.1	76.37	16.1	24.0
31.1	12.9	16813.0	401.9	314.6	78.29	17.9	24.0
31.0	13.9	16722.0	430.9	343.5	79.71	19.6	24.0
31.0	15.1	16620.0	466.3	377.8	81.03	21.7	24.0
30.9	16.0	16541.0	493.0	404.8	82.10	23.4	24.0
30.9	17.0	16451.0	524.9	435.6	82.98	25.3	24.0
30.8	17.9	16372.0	552.5	463.2	83.85	27.0	24.0
30.8	19.0	16289.0	583.0	492.4	84.46	28.9	24.0
30.7	19.9	16209.0	612.5	521.2	85.10	30.7	24.0
30.7	20.9	16137.0	639.9	547.6	85.58	32.4	24.0
30.6	22.0	16044.0	675.0	581.1	86.09	34.6	24.0
30.6	23.0	15971.0	702.5	607.8	86.53	36.3	24.0
30.5	23.7	15914.0	724.3	628.1	86.73	37.7	24.0
30.5	25.0	15815.0	762.7	664.0	87.06	40.1	24.0
30.5	25.8	15755.0	785.5	685.2	87.23	41.5	24.0
30.4	27.0	15666.0	819.9	717.1	87.46	43.7	24.0
30.4	27.8	15605.0	843.2	738.3	87.56	45.2	24.0
30.3	29.1	15507.0	882.3	773.6	87.68	47.6	24.0
30.3	29.8	15457.0	901.7	791.0	87.73	48.9	24.0
30.2	31.1	15359.0	940.9	826.2	87.80	51.4	24.0
30.2	32.0	15292.0	967.8	849.8	87.81	53.1	24.0
30.2	33.1	15214.0	998.3	876.9	87.83	55.0	24.0
30.1	34.1	15144.0	1026.3	900.7	87.77	56.8	24.0
30.1	35.0	15076.0	1052.6	923.8	87.76	58.5	24.0
30.0	36.1	14994.0	1084.6	951.2	87.70	60.6	24.0
30.0	36.7	14953.0	1099.9	964.2	87.67	61.6	24.0
29.9	38.0	14855.0	1138.7	997.0	87.56	64.1	24.0
29.9	39.1	14775.0	1169.6	1022.8	87.45	66.1	24.0
29.9	39.8	14725.0	1187.6	1037.8	87.39	67.3	24.0
29.8	41.2	14626.0	1227.7	1070.1	87.16	69.9	24.0
29.8	41.7	14584.0	1242.2	1081.5	87.06	70.8	24.0
29.7	43.1	14486.0	1281.6	1112.8	86.83	73.4	24.0
29.7	44.2	14401.0	1313.8	1137.4	86.57	75.4	24.0
29.7	45.1	14340.0	1336.6	1153.8	86.33	76.8	24.0
29.6	46.2	14257.0	1367.2	1177.1	86.10	78.8	24.0
29.6	47.3	14173.0	1399.3	1202.5	85.93	81.0	24.0
29.5	48.2	14109.0	1422.7	1218.5	85.64	82.5	24.0
29.5	48.6	14073.0	1433.8	1225.7	85.49	83.2	24.0
29.4	50.4	13947.0	1483.9	1260.1	84.92	86.3	24.0

Dateiname : ''  
Datum : 09.03.2005 14:07:39

Bezeichnung : Orbit 25/16 (HP 355/25/B16 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 %

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Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Wirkungsgrad [%]	Drehmoment [Ncm]	Temp. [°C]
32.6	10.0	17803.0	324.9	223.5	68.80	12.0	24.0
32.5	11.1	17695.0	360.3	259.1	71.90	14.0	24.0
32.5	11.9	17606.0	387.5	287.2	74.11	15.6	24.0
32.4	12.9	17513.0	418.2	318.2	76.09	17.4	24.0
32.3	14.1	17406.0	455.2	355.1	78.01	19.5	24.0
32.3	15.0	17317.0	485.1	384.6	79.29	21.2	24.0
32.2	16.0	17227.0	516.8	416.4	80.57	23.1	24.0
32.2	17.0	17145.0	545.6	444.5	81.46	24.8	24.0
32.1	18.0	17055.0	578.8	477.6	82.52	26.7	24.0
32.1	18.9	16978.0	607.1	505.0	83.18	28.4	24.0
32.0	19.9	16899.0	637.0	534.4	83.89	30.2	24.0
32.0	20.8	16822.0	666.2	562.5	84.44	31.9	24.0
31.9	22.0	16730.0	702.1	596.5	84.96	34.0	24.0
31.9	22.8	16660.0	728.4	621.4	85.31	35.6	24.0
31.8	24.0	16570.0	763.5	655.1	85.80	37.8	24.0
31.8	24.8	16501.0	790.2	679.9	86.04	39.3	24.0
31.7	26.0	16411.0	825.8	713.1	86.36	41.5	24.0
31.7	26.9	16341.0	853.6	739.2	86.61	43.2	24.0
31.7	27.9	16265.0	884.1	767.3	86.79	45.0	24.0
31.6	29.0	16178.0	918.1	798.5	86.97	47.1	24.0
31.6	30.2	16096.0	952.1	829.1	87.08	49.2	24.0
31.5	30.8	16047.0	970.4	845.6	87.14	50.3	24.0
31.5	32.0	15958.0	1007.6	878.6	87.20	52.6	24.0
31.5	32.7	15905.0	1028.6	896.9	87.20	53.8	24.0
31.4	34.2	15799.0	1072.2	935.7	87.27	56.6	24.0
31.4	35.2	15724.0	1102.1	961.2	87.21	58.4	24.0
31.3	35.7	15679.0	1118.1	975.2	87.22	59.4	24.0
31.3	37.0	15584.0	1157.2	1008.5	87.15	61.8	24.0
31.2	38.1	15499.0	1191.0	1037.7	87.13	63.9	24.0
31.2	39.2	15421.0	1222.4	1063.8	87.02	65.9	24.0
31.1	40.2	15350.0	1251.3	1087.0	86.86	67.6	24.0
31.1	41.2	15276.0	1280.1	1111.6	86.83	69.5	24.0
31.1	42.2	15198.0	1310.6	1136.5	86.72	71.4	24.0
31.0	43.3	15117.0	1342.5	1161.7	86.53	73.4	24.0
31.0	43.7	15079.0	1355.1	1171.9	86.48	74.2	24.0
30.9	45.2	14974.0	1397.8	1205.2	86.22	76.9	24.0
30.9	46.1	14903.0	1425.0	1225.8	86.02	78.5	24.0
30.8	47.1	14828.0	1452.7	1246.8	85.82	80.3	24.0
30.8	48.1	14752.0	1481.8	1267.0	85.50	82.0	24.0
30.8	49.3	14666.0	1515.2	1291.1	85.21	84.1	24.0
30.7	50.2	14595.0	1542.1	1309.0	84.88	85.6	24.0