



Dateiname : ''
Datum : 08.03.2005 17:38:29

Bezeichnung : Orbit 25/12 (HP 355/25/B12 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 : 55 A
Schrittweite  : 1.0 A
Reglerausgang  : 100 %

```

Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Wirkungsgrad [%]	Drehmoment [Ncm]	Temp. [°C]
8.6	14.9	6280.0	127.6	105.4	82.54	16.0	24.0
8.5	15.9	6224.0	136.1	113.2	83.18	17.4	24.0
8.5	16.9	6176.0	144.0	120.6	83.75	18.6	24.0
8.5	18.1	6123.0	153.4	129.2	84.20	20.1	24.0
8.5	19.0	6080.0	161.0	136.1	84.56	21.4	24.0
8.5	19.9	6041.0	168.2	142.8	84.88	22.6	24.0
8.4	20.8	6000.0	176.0	149.7	85.06	23.8	24.0
8.4	21.8	5960.0	183.5	156.6	85.38	25.1	24.0
8.4	23.0	5911.0	193.1	165.0	85.46	26.7	24.0
8.4	24.0	5869.0	201.2	172.0	85.50	28.0	24.0
8.4	25.2	5822.0	210.5	180.1	85.55	29.5	24.0
8.4	26.1	5783.0	218.1	186.7	85.56	30.8	24.0
8.3	27.1	5744.0	225.7	193.2	85.59	32.1	24.0
8.3	28.1	5704.0	233.6	199.7	85.50	33.4	24.0
8.3	29.1	5664.0	241.5	206.4	85.47	34.8	24.0
8.3	29.8	5633.0	247.5	211.3	85.38	35.8	24.0
8.3	31.1	5585.0	257.2	219.0	85.18	37.5	24.0
8.3	32.1	5545.0	265.0	225.0	84.90	38.7	24.0
8.2	33.0	5510.0	271.9	230.3	84.70	39.9	24.0
8.2	33.8	5475.0	278.3	235.4	84.60	41.1	24.0
8.2	34.8	5435.0	286.2	241.4	84.33	42.4	24.0
8.2	36.1	5385.0	296.1	248.6	83.96	44.1	24.0
8.2	36.7	5361.0	300.5	251.9	83.83	44.9	24.0
8.2	38.2	5303.0	312.1	260.2	83.37	46.8	24.0
8.2	39.0	5269.0	318.3	264.8	83.18	48.0	24.0
8.1	39.8	5236.0	324.5	269.2	82.95	49.1	24.0
8.1	41.1	5187.0	334.0	275.5	82.49	50.7	24.0
8.1	42.2	5144.0	342.2	280.9	82.09	52.1	24.0
8.1	42.7	5123.0	345.6	283.5	82.02	52.8	24.0
8.1	44.0	5072.0	355.4	289.6	81.47	54.5	24.0
8.1	45.2	5022.0	364.7	295.3	80.98	56.2	24.0
8.0	46.0	4989.0	370.5	298.7	80.64	57.2	24.0
8.0	46.7	4962.0	375.2	301.5	80.36	58.0	24.0
8.0	47.4	4930.0	380.8	304.9	80.06	59.1	24.0
8.0	49.0	4869.0	392.3	312.0	79.53	61.2	24.0
8.0	49.8	4835.0	398.3	315.0	79.10	62.2	24.0
8.0	51.2	4780.0	408.1	320.2	78.47	64.0	24.0
8.0	51.6	4760.0	411.2	321.7	78.23	64.5	24.0
7.9	53.1	4701.0	421.8	327.1	77.55	66.4	24.0
7.9	54.4	4649.0	430.9	331.6	76.96	68.1	24.0
7.9	55.1	4618.0	436.2	334.1	76.58	69.1	24.0

Dateiname : ''
Datum : 08.03.2005 17:38:54

Bezeichnung : Orbit 25/12 (HP 355/25/B12 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 : 55 A
Schrittweite   : 1.0 A
Reglerausgang  : 100 %

```

Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Wirkungsgrad [%]	Drehmoment [Ncm]	Temp. [°C]
11.0	15.0	8078.0	165.1	136.8	82.89	16.2	24.0
11.0	15.9	8022.0	174.8	146.2	83.62	17.4	24.0
10.9	17.0	7967.0	185.6	155.9	83.99	18.7	24.0
10.9	18.0	7913.0	196.1	166.1	84.66	20.0	24.0
10.9	18.9	7866.0	205.7	174.9	85.05	21.2	24.0
10.9	20.0	7811.0	217.3	185.7	85.48	22.7	24.0
10.9	21.1	7757.0	229.1	196.5	85.77	24.2	24.0
10.8	21.9	7717.0	237.6	204.4	86.02	25.3	24.0
10.8	22.8	7676.0	246.6	212.5	86.19	26.4	24.0
10.8	24.0	7620.0	259.1	223.7	86.35	28.0	24.0
10.8	25.0	7575.0	269.2	232.7	86.47	29.3	24.0
10.8	26.0	7527.0	279.7	241.9	86.49	30.7	24.0
10.7	27.0	7480.0	290.3	251.2	86.52	32.1	24.0
10.7	27.8	7445.0	297.9	257.8	86.56	33.1	24.0
10.7	28.7	7403.0	307.6	266.3	86.58	34.4	24.0
10.7	30.1	7340.0	321.8	278.1	86.42	36.2	24.0
10.7	31.0	7299.0	331.0	285.9	86.35	37.4	24.0
10.6	32.1	7252.0	341.6	294.7	86.26	38.8	24.0
10.6	33.1	7208.0	351.5	302.8	86.15	40.1	24.0
10.6	34.1	7163.0	361.6	310.9	86.00	41.5	24.0
10.6	35.1	7116.0	372.1	319.4	85.85	42.9	24.0
10.6	36.1	7071.0	382.1	327.4	85.68	44.2	24.0
10.6	37.0	7032.0	390.8	334.3	85.54	45.4	24.0
10.5	38.1	6985.0	401.1	342.0	85.28	46.8	24.0
10.5	39.1	6940.0	411.3	349.8	85.04	48.1	24.0
10.5	40.1	6895.0	421.2	357.2	84.81	49.5	24.0
10.5	41.1	6849.0	431.2	364.8	84.60	50.9	24.0
10.5	42.1	6806.0	440.3	371.5	84.37	52.1	24.0
10.5	42.6	6780.0	445.7	375.7	84.29	52.9	24.0
10.4	44.5	6700.0	464.1	388.9	83.80	55.4	24.0
10.4	45.0	6678.0	468.3	391.8	83.65	56.0	24.0
10.4	46.1	6625.0	479.7	399.8	83.35	57.6	24.0
10.4	47.0	6587.0	487.4	404.9	83.07	58.7	24.0
10.4	48.1	6536.0	498.5	412.3	82.70	60.2	24.0
10.3	49.1	6491.0	507.8	418.1	82.33	61.5	24.0
10.3	50.4	6432.0	520.3	425.9	81.85	63.2	24.0
10.3	51.0	6401.0	526.0	429.2	81.59	64.0	24.0
10.3	51.8	6367.0	532.8	433.1	81.29	65.0	24.0
10.3	53.2	6303.0	546.3	441.1	80.73	66.8	24.0
10.3	54.1	6258.0	555.2	445.8	80.30	68.0	24.0
10.2	55.3	6204.0	566.3	452.0	79.81	69.6	24.0

Dateiname : ''
Datum : 08.03.2005 17:39:08

Bezeichnung : Orbit 25/12 (HP 355/25/B12 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 :  55 A
Schrittweite   :  1.0 A
Reglerausgang  : 100 %

```

Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Wirkungsgrad [%]	Drehmoment [Ncm]	Temp. [°C]
13.7	15.1	10049.0	206.4	174.9	84.74	16.6	23.0
13.6	15.9	9989.0	217.5	185.5	85.28	17.7	23.0
13.6	16.9	9929.0	230.1	197.7	85.93	19.0	23.0
13.6	18.0	9867.0	244.1	211.0	86.47	20.4	23.0
13.5	19.0	9807.0	257.8	224.2	86.97	21.8	23.0
13.5	20.0	9752.0	269.9	235.8	87.36	23.1	23.0
13.5	20.8	9708.0	280.1	245.2	87.54	24.1	23.0
13.5	21.9	9647.0	295.4	260.0	88.00	25.7	23.0
13.4	23.0	9591.0	309.4	272.6	88.11	27.1	23.0
13.4	24.0	9540.0	322.2	284.4	88.27	28.5	23.0
13.4	25.0	9487.0	335.5	296.5	88.37	29.8	23.0
13.4	26.0	9438.0	347.7	307.4	88.42	31.1	23.0
13.4	26.8	9399.0	357.4	316.6	88.59	32.2	23.0
13.3	28.0	9341.0	372.8	330.5	88.64	33.8	23.0
13.3	29.1	9285.0	387.1	343.2	88.67	35.3	23.0
13.3	29.8	9246.0	396.8	352.2	88.75	36.4	23.0
13.3	31.1	9188.0	412.3	365.6	88.68	38.0	23.0
13.2	32.1	9138.0	424.9	376.5	88.61	39.3	23.0
13.2	33.1	9088.0	437.8	387.6	88.54	40.7	23.0
13.2	33.7	9057.0	445.6	394.6	88.56	41.6	23.0
13.2	35.1	8991.0	462.9	409.2	88.41	43.5	23.0
13.2	36.2	8941.0	475.8	420.0	88.27	44.9	23.0
13.1	37.1	8895.0	487.6	429.9	88.17	46.2	23.0
13.1	38.1	8846.0	500.1	440.1	88.02	47.5	23.0
13.1	38.7	8817.0	507.3	446.1	87.94	48.3	23.0
13.1	40.1	8751.0	524.1	459.8	87.73	50.2	23.0
13.1	41.1	8700.0	536.9	470.0	87.53	51.6	23.0
13.0	41.6	8674.0	543.1	474.8	87.42	52.3	23.0
13.0	43.2	8603.0	561.8	489.3	87.10	54.3	23.0
13.0	44.2	8554.0	573.7	498.7	86.92	55.7	23.0
13.0	45.1	8507.0	585.4	507.3	86.65	56.9	23.0
13.0	45.7	8478.0	592.1	512.1	86.48	57.7	23.0
12.9	47.2	8408.0	610.2	525.4	86.11	59.7	23.0
12.9	47.6	8386.0	614.5	528.9	86.06	60.2	23.0
12.9	49.1	8312.0	633.3	542.5	85.67	62.3	23.0
12.9	50.2	8262.0	645.4	550.8	85.35	63.7	23.0
12.8	51.2	8211.0	657.3	559.2	85.08	65.0	23.0
12.8	52.0	8165.0	667.6	566.6	84.88	66.3	23.0
12.8	53.2	8110.0	680.7	575.4	84.53	67.8	23.0
12.8	53.7	8082.0	686.5	579.2	84.36	68.4	23.0
12.8	55.2	8013.0	704.1	590.5	83.87	70.4	23.0

Dateiname : ''
Datum : 08.03.2005 17:39:25

Bezeichnung : Orbit 25/12 (HP 355/25/B12 P10)
Seriennummer : 0205
Prüfnummer : 220205
Besonderes : future 32.55K

Versuchsaufbau

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

Messparameter

Strom von : 15 A bis : 55 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	14.7	10929.0	219.0	175.3	80.06	15.3	23.0
14.8	15.9	10846.0	236.5	192.4	81.38	16.9	23.0
14.8	16.9	10782.0	250.3	205.5	82.13	18.2	23.0
14.8	17.9	10720.0	264.4	219.2	82.89	19.5	23.0
14.7	18.9	10658.0	278.9	233.0	83.53	20.9	23.0
14.7	20.0	10596.0	294.2	247.5	84.14	22.3	23.0
14.7	20.9	10547.0	306.3	259.0	84.57	23.5	23.0
14.6	21.9	10492.0	320.2	272.3	85.04	24.8	23.0
14.6	23.0	10431.0	336.3	287.2	85.40	26.3	23.0
14.6	24.0	10377.0	350.0	299.9	85.67	27.6	23.0
14.6	25.1	10320.0	365.3	314.0	85.97	29.1	23.0
14.5	26.0	10270.0	378.7	326.3	86.17	30.3	23.0
14.5	26.8	10228.0	389.5	336.9	86.49	31.5	23.0
14.5	28.0	10170.0	405.4	352.2	86.87	33.1	23.0
14.5	28.9	10120.0	419.1	364.4	86.96	34.4	23.0
14.5	30.1	10061.0	435.2	378.8	87.04	36.0	23.0
14.4	30.8	10026.0	444.5	387.2	87.11	36.9	23.0
14.4	31.7	9978.0	457.4	398.9	87.20	38.2	23.0
14.4	33.1	9909.0	476.6	415.9	87.27	40.1	23.0
14.4	34.2	9859.0	490.7	428.3	87.27	41.5	23.0
14.3	34.7	9830.0	497.9	434.4	87.26	42.2	23.0
14.3	35.8	9776.0	512.5	447.3	87.27	43.7	23.0
14.3	36.5	9737.0	522.6	456.0	87.26	44.7	23.0
14.3	37.8	9680.0	539.9	470.6	87.16	46.4	23.0
14.3	39.1	9613.0	557.1	484.7	87.00	48.2	23.0
14.2	39.6	9585.0	564.4	490.5	86.90	48.9	23.0
14.2	41.1	9515.0	583.7	506.1	86.71	50.8	23.0
14.2	41.6	9487.0	590.5	512.0	86.71	51.5	23.0
14.2	43.2	9411.0	611.6	528.3	86.38	53.6	23.0
14.1	43.8	9379.0	619.4	534.6	86.30	54.4	23.0
14.1	45.2	9311.0	638.3	549.2	86.04	56.3	23.0
14.1	45.7	9285.0	643.9	553.8	86.00	57.0	23.0
14.1	46.5	9241.0	655.1	562.6	85.88	58.1	23.0
14.0	48.1	9162.0	676.4	578.4	85.52	60.3	23.0
14.0	49.4	9097.0	693.2	590.7	85.21	62.0	23.0
14.0	49.6	9083.0	695.7	592.6	85.18	62.3	23.0
14.0	51.2	9007.0	715.8	607.2	84.82	64.4	23.0
14.0	51.7	8978.0	722.1	611.7	84.70	65.1	23.0
13.9	53.2	8907.0	740.8	624.7	84.33	67.0	23.0
13.9	53.6	8877.0	747.0	629.0	84.21	67.7	23.0
13.9	55.2	8801.0	766.5	642.3	83.80	69.7	23.0

Dateiname : ''
Datum : 08.03.2005 17:39:40

Bezeichnung : Orbit 25/12 (HP 355/25/B12 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 : 60 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	12673.0	258.5	207.3	80.20	15.6	23.0
17.2	16.0	12590.0	276.2	224.5	81.29	17.0	23.0
17.2	17.0	12519.0	292.2	240.3	82.25	18.3	23.0
17.2	18.0	12452.0	308.3	256.2	83.07	19.6	23.0
17.1	18.9	12389.0	324.2	271.6	83.78	20.9	23.0
17.1	19.9	12326.0	340.5	286.8	84.24	22.2	23.0
17.1	20.9	12261.0	357.2	303.4	84.93	23.6	23.0
17.0	21.9	12201.0	373.6	319.1	85.41	25.0	23.0
17.0	22.9	12144.0	389.3	334.4	85.88	26.3	23.0
17.0	23.8	12092.0	403.3	347.6	86.18	27.4	23.0
16.9	24.8	12032.0	420.1	363.2	86.44	28.8	23.0
16.9	25.8	11972.0	437.4	379.5	86.77	30.3	23.0
16.9	26.8	11917.0	453.0	394.3	87.03	31.6	23.0
16.9	27.8	11862.0	468.6	408.7	87.21	32.9	23.0
16.8	29.0	11793.0	488.6	427.0	87.41	34.6	23.0
16.8	29.7	11751.0	500.0	437.7	87.53	35.6	23.0
16.8	31.0	11684.0	519.5	455.4	87.66	37.2	23.0
16.8	32.0	11624.0	536.4	470.6	87.75	38.7	23.0
16.7	33.0	11574.0	551.3	484.2	87.83	39.9	23.0
16.7	34.1	11512.0	569.4	500.2	87.86	41.5	23.0
16.7	34.7	11476.0	579.2	509.1	87.89	42.4	23.0
16.6	36.0	11406.0	599.6	527.2	87.93	44.1	23.0
16.6	36.6	11370.0	609.6	536.2	87.96	45.0	23.0
16.6	38.0	11299.0	630.3	553.6	87.83	46.8	23.0
16.6	38.6	11264.0	639.6	561.6	87.80	47.6	23.0
16.6	39.6	11210.0	655.3	575.1	87.76	49.0	23.0
16.5	41.0	11136.0	677.3	593.3	87.61	50.9	23.0
16.5	42.0	11079.0	693.0	606.3	87.49	52.3	23.0
16.5	43.1	11020.0	710.1	620.4	87.37	53.8	23.0
16.4	44.2	10959.0	727.4	635.0	87.29	55.3	23.0
16.4	44.6	10935.0	733.2	639.9	87.27	55.9	23.0
16.4	46.1	10857.0	755.7	658.4	87.12	57.9	23.0
16.4	46.6	10824.0	763.7	664.8	87.05	58.6	23.0
16.3	48.0	10750.0	785.1	681.9	86.85	60.6	23.0
16.3	49.2	10689.0	802.0	694.6	86.61	62.1	23.0
16.3	49.6	10662.0	808.2	699.3	86.53	62.6	23.0
16.3	51.1	10584.0	830.3	716.2	86.25	64.6	23.0
16.2	52.1	10524.0	846.4	728.1	86.02	66.1	23.0
16.2	53.2	10463.0	862.8	740.2	85.79	67.6	23.0
16.2	53.6	10438.0	867.9	743.7	85.69	68.0	23.0
16.2	55.3	10349.0	893.0	762.2	85.36	70.3	23.0
16.1	55.7	10320.0	899.3	766.4	85.22	70.9	23.0
16.1	57.1	10246.0	919.5	780.7	84.90	72.8	23.0
16.1	57.6	10215.0	926.3	785.1	84.76	73.4	23.0
16.1	59.1	10129.0	949.4	800.6	84.32	75.5	23.0
16.0	59.6	10099.0	955.1	804.3	84.21	76.1	23.0

Dateiname : ''
Datum : 08.03.2005 17:39:52

Bezeichnung : Orbit 25/12 (HP 355/25/B12 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 : 65 A
Schrittweite   : 1.0 A
Reglerausgang  : 100 %

```

Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Wirkungsgrad [%]	Drehmoment [Ncm]	Temp. [°C]
19.7	14.7	14436.0	289.4	223.9	77.39	14.8	24.0
19.7	16.1	14326.0	316.3	250.5	79.19	16.7	24.0
19.6	17.0	14253.0	333.8	267.9	80.26	18.0	24.0
19.6	18.1	14174.0	354.4	287.5	81.12	19.4	24.0
19.5	19.1	14105.0	372.4	305.0	81.91	20.7	24.0
19.5	19.9	14047.0	387.4	319.8	82.55	21.7	24.0
19.5	20.9	13975.0	407.5	339.5	83.31	23.2	24.0
19.4	21.9	13911.0	425.6	356.9	83.85	24.5	24.0
19.4	22.9	13845.0	444.5	375.6	84.51	25.9	24.0
19.4	23.9	13784.0	462.0	392.3	84.93	27.2	24.0
19.3	24.9	13719.0	481.1	411.0	85.43	28.6	24.0
19.3	25.9	13656.0	499.8	428.8	85.78	30.0	24.0
19.3	26.9	13592.0	519.0	446.9	86.10	31.4	24.0
19.2	28.1	13526.0	539.6	466.3	86.41	32.9	24.0
19.2	28.7	13482.0	551.7	478.2	86.67	33.9	24.0
19.2	30.0	13405.0	576.0	500.6	86.92	35.7	24.0
19.1	30.8	13355.0	590.5	514.3	87.09	36.8	24.0
19.1	32.1	13283.0	613.3	535.0	87.22	38.5	24.0
19.1	32.7	13244.0	625.1	545.6	87.29	39.3	24.0
19.1	34.0	13166.0	648.4	567.5	87.52	41.2	24.0
19.0	34.7	13125.0	659.9	577.9	87.58	42.0	24.0
19.0	35.6	13071.0	677.2	593.3	87.61	43.3	24.0
19.0	36.6	13012.0	694.2	609.3	87.76	44.7	24.0
18.9	38.0	12927.0	720.5	631.8	87.69	46.7	24.0
18.9	39.2	12864.0	740.1	649.4	87.75	48.2	24.0
18.9	39.7	12829.0	750.2	658.1	87.73	49.0	24.0
18.8	41.0	12757.0	772.3	676.9	87.65	50.7	24.0
18.8	41.6	12715.0	784.0	686.7	87.59	51.6	24.0
18.8	43.0	12637.0	808.2	707.0	87.48	53.4	24.0
18.8	44.1	12575.0	826.5	722.3	87.39	54.9	24.0
18.7	44.7	12535.0	838.0	732.2	87.38	55.8	24.0
18.7	45.5	12488.0	851.7	743.5	87.30	56.9	24.0
18.7	47.2	12396.0	880.2	766.7	87.10	59.1	24.0
18.7	47.7	12362.0	889.3	774.2	87.06	59.8	24.0
18.6	49.0	12284.0	912.3	793.0	86.92	61.6	24.0
18.6	50.0	12225.0	929.7	806.7	86.77	63.0	24.0
18.6	50.6	12187.0	939.4	814.4	86.69	63.8	24.0
18.5	52.2	12098.0	966.3	835.2	86.43	65.9	24.0
18.5	52.6	12067.0	973.7	840.7	86.34	66.5	24.0
18.5	54.1	11981.0	999.5	860.5	86.10	68.6	24.0
18.4	54.8	11944.0	1009.8	867.2	85.88	69.3	24.0
18.4	56.1	11865.0	1033.0	884.2	85.59	71.2	24.0
18.4	56.5	11831.0	1039.7	890.2	85.62	71.8	24.0
18.3	58.2	11738.0	1066.8	909.7	85.28	74.0	24.0
18.3	58.6	11703.0	1074.6	914.9	85.14	74.7	24.0
18.3	60.0	11621.0	1098.0	931.7	84.85	76.6	24.0

Dateiname : ''
Datum : 08.03.2005 17:40:10

Bezeichnung : Orbit 25/12 (HP 355/25/B12 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 : 65 A
Schrittweite  : 1.0 A
Reglerausgang : 100 %

```

Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Wirkungsgrad [%]	Drehmoment [Ncm]	Temp. [°C]
22.1	14.9	16164.0	329.9	252.5	76.54	14.9	24.0
22.1	16.0	16064.0	353.6	275.7	77.98	16.4	24.0
22.0	17.0	15980.0	374.6	296.8	79.24	17.7	24.0
22.0	17.8	15908.0	392.3	314.8	80.24	18.9	24.0
21.9	19.0	15822.0	416.4	338.9	81.39	20.5	24.0
21.9	20.0	15744.0	438.8	361.0	82.26	21.9	24.0
21.8	21.0	15672.0	459.2	381.2	83.01	23.2	24.0
21.8	22.0	15602.0	480.5	402.0	83.68	24.6	24.0
21.8	22.9	15541.0	498.0	419.3	84.19	25.8	24.0
21.7	24.0	15468.0	520.8	441.4	84.75	27.3	24.0
21.7	24.9	15405.0	540.0	459.9	85.16	28.5	24.0
21.7	26.0	15330.0	563.6	482.7	85.65	30.1	24.0
21.6	27.0	15261.0	584.5	502.9	86.04	31.5	24.0
21.6	27.8	15209.0	600.0	517.7	86.28	32.5	24.0
21.6	28.8	15143.0	620.5	536.8	86.52	33.9	24.0
21.5	29.8	15075.0	642.1	557.2	86.79	35.3	24.0
21.5	30.8	15012.0	662.6	576.4	86.99	36.7	24.0
21.5	31.7	14950.0	681.6	593.5	87.07	37.9	24.0
21.4	32.9	14875.0	706.1	616.2	87.26	39.6	24.0
21.4	33.7	14826.0	721.4	630.0	87.33	40.6	24.0
21.4	34.7	14761.0	742.7	649.6	87.47	42.0	24.0
21.3	36.0	14681.0	768.6	672.5	87.50	43.7	24.0
21.3	36.7	14637.0	782.7	685.4	87.58	44.7	24.0
21.3	37.8	14566.0	804.9	705.2	87.60	46.2	24.0
21.2	38.7	14509.0	822.4	720.5	87.61	47.4	24.0
21.2	40.3	14413.0	854.4	748.1	87.56	49.6	24.0
21.2	41.3	14349.0	874.5	765.3	87.50	50.9	24.0
21.2	41.6	14324.0	881.1	770.8	87.48	51.4	24.0
21.1	42.9	14246.0	906.6	792.1	87.36	53.1	24.0
21.1	43.7	14199.0	920.7	804.1	87.33	54.1	24.0
21.0	45.0	14117.0	947.0	826.1	87.24	55.9	24.0
21.0	45.5	14081.0	957.6	834.7	87.16	56.6	24.0
21.0	46.9	13998.0	984.5	856.9	87.04	58.5	24.0
21.0	48.0	13930.0	1006.7	873.8	86.79	59.9	24.0
20.9	49.0	13867.0	1024.4	889.5	86.83	61.3	24.0
20.9	49.6	13829.0	1035.5	898.7	86.79	62.1	24.0
20.9	50.9	13744.0	1062.1	920.4	86.65	63.9	24.0
20.8	51.6	13700.0	1074.8	930.5	86.58	64.9	24.0
20.8	53.0	13611.0	1102.6	953.2	86.45	66.9	24.0
20.7	54.4	13530.0	1128.4	972.8	86.21	68.7	24.0
20.7	54.7	13501.0	1134.6	977.6	86.16	69.1	24.0
20.7	56.0	13420.0	1159.5	997.0	85.99	70.9	24.0
20.7	56.5	13388.0	1167.8	1002.4	85.83	71.5	24.0
20.6	58.0	13296.0	1196.2	1024.3	85.63	73.6	24.0
20.6	59.3	13213.0	1221.4	1042.8	85.38	75.4	24.0
20.6	59.8	13181.0	1229.1	1048.0	85.26	75.9	24.0



Dateiname : ''
Datum : 08.03.2005 17:40:30

Bezeichnung : Orbit 25/12 (HP 355/25/B12 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 : 65 A
Schrittweite   : 1.0 A
Reglerausgang  : 100 %

```

Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Wirkungsgrad [%]	Drehmoment [Ncm]	Temp. [°C]
23.3	14.9	17031.0	348.2	263.8	75.75	14.8	24.0
23.3	16.1	16924.0	374.2	289.1	77.26	16.3	24.0
23.2	17.0	16838.0	395.9	310.6	78.46	17.6	24.0
23.2	18.0	16757.0	418.0	332.5	79.54	18.9	24.0
23.1	19.0	16676.0	440.1	354.4	80.51	20.3	24.0
23.1	20.1	16596.0	463.5	377.2	81.37	21.7	24.0
23.0	21.1	16521.0	485.5	398.6	82.10	23.0	24.0
23.0	22.1	16447.0	507.5	420.4	82.84	24.4	24.0
23.0	22.9	16387.0	525.6	438.5	83.44	25.6	24.0
22.9	24.0	16307.0	550.6	462.5	84.00	27.1	24.0
22.9	24.9	16247.0	569.3	481.1	84.51	28.3	24.0
22.9	25.9	16176.0	592.1	503.5	85.03	29.7	24.0
22.8	26.8	16113.0	611.8	522.4	85.38	31.0	24.0
22.8	27.8	16045.0	633.3	542.9	85.73	32.3	24.0
22.8	28.7	15978.0	654.2	562.7	86.02	33.6	24.0
22.7	30.0	15894.0	681.4	588.1	86.31	35.3	24.0
22.7	30.8	15839.0	699.1	604.4	86.45	36.4	24.0
22.7	31.9	15768.0	722.2	626.0	86.68	37.9	24.0
22.6	32.7	15712.0	740.1	642.5	86.81	39.0	24.0
22.6	33.8	15644.0	762.7	663.5	86.99	40.5	24.0
22.6	34.9	15570.0	786.7	685.3	87.11	42.0	24.0
22.5	35.8	15510.0	806.1	702.9	87.20	43.3	24.0
22.5	36.7	15451.0	825.9	720.9	87.29	44.6	24.0
22.5	37.7	15386.0	847.1	739.9	87.35	45.9	24.0
22.4	39.2	15291.0	879.0	768.1	87.39	48.0	24.0
22.4	39.8	15255.0	890.0	778.3	87.45	48.7	24.0
22.4	40.6	15197.0	908.3	794.2	87.44	49.9	24.0
22.3	42.0	15110.0	937.1	819.4	87.44	51.8	24.0
22.3	43.0	15047.0	957.1	836.6	87.41	53.1	24.0
22.3	43.6	15002.0	971.4	848.8	87.38	54.0	24.0
22.2	45.2	14907.0	1002.8	875.9	87.35	56.1	24.0
22.2	45.5	14876.0	1010.6	883.3	87.40	56.7	24.0
22.2	46.5	14819.0	1029.9	898.2	87.22	57.9	24.0
22.1	47.9	14730.0	1060.1	923.4	87.11	59.9	24.0
22.1	48.7	14678.0	1075.6	936.3	87.05	60.9	24.0
22.1	49.6	14620.0	1094.0	950.8	86.91	62.1	24.0
22.0	50.8	14542.0	1118.4	970.4	86.77	63.7	24.0
22.0	52.0	14468.0	1142.0	989.0	86.60	65.3	24.0
21.9	53.0	14402.0	1162.2	1004.7	86.45	66.6	24.0
21.9	53.9	14342.0	1180.7	1019.0	86.30	67.8	24.0
21.9	55.0	14268.0	1203.7	1036.6	86.12	69.4	24.0
21.9	55.6	14226.0	1215.5	1045.4	86.00	70.2	24.0
21.8	57.3	14123.0	1249.3	1071.1	85.73	72.4	24.0
21.8	58.2	14063.0	1267.6	1084.4	85.55	73.6	24.0
21.7	59.0	14007.0	1284.2	1097.0	85.43	74.8	24.0
21.7	59.5	13970.0	1293.0	1104.6	85.43	75.5	24.0



Dateiname : ''
Datum : 08.03.2005 17:40:44

Bezeichnung : Orbit 25/12 (HP 355/25/B12 P10)
Seriennummer : 0205
Prüfnummer : 220205
Besonderes : future 32.55K

Versuchsaufbau	Messparameter
-----	-----
Grundlast : 5 %	Strom von : 15 A bis : 65 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]
25.8	16.5	18338.0	425.7	315.9	74.22	16.5	24.0
25.7	16.0	18345.0	412.0	304.6	73.94	15.9	24.0
25.7	17.2	18237.0	442.3	335.7	75.90	17.6	24.0
25.6	18.0	18167.0	461.1	356.6	77.34	18.7	24.0
25.6	18.8	18087.0	481.9	378.8	78.60	20.0	24.0
25.5	19.9	17996.0	508.5	405.3	79.70	21.5	24.0
25.5	20.9	17915.0	533.0	429.7	80.60	22.9	24.0
25.4	22.0	17825.0	560.6	455.9	81.34	24.4	24.0
25.4	23.0	17749.0	584.5	479.9	82.09	25.8	24.0
25.3	23.9	17678.0	606.7	501.7	82.69	27.1	24.0
25.3	25.1	17593.0	634.1	528.9	83.42	28.7	24.0
25.3	25.9	17526.0	655.4	550.0	83.92	30.0	24.0
25.2	26.9	17452.0	679.7	573.2	84.33	31.4	24.0
25.2	27.8	17384.0	701.2	595.0	84.85	32.7	24.0
25.2	28.9	17309.0	726.5	618.3	85.10	34.1	24.0
25.1	30.1	17222.0	755.6	645.7	85.45	35.8	24.0
25.1	30.9	17159.0	775.7	664.7	85.68	37.0	24.0
25.0	31.8	17095.0	797.0	685.1	85.96	38.3	24.0
25.0	33.0	17014.0	824.2	710.2	86.17	39.9	24.0
25.0	33.9	16948.0	846.3	728.8	86.12	41.1	24.0
24.9	34.8	16884.0	868.1	748.9	86.27	42.4	24.0
24.9	35.6	16826.0	887.2	766.7	86.42	43.5	24.0
24.9	36.7	16751.0	912.2	789.2	86.52	45.0	24.0
24.8	37.7	16678.0	936.9	811.0	86.56	46.4	24.0
24.8	38.6	16615.0	957.9	830.2	86.66	47.7	24.0
24.8	39.8	16535.0	985.3	854.2	86.70	49.3	24.0
24.7	41.2	16442.0	1017.3	881.4	86.65	51.2	24.0
24.7	41.9	16387.0	1034.3	896.6	86.68	52.2	24.0
24.6	42.8	16330.0	1053.7	913.4	86.68	53.4	24.0
24.6	43.7	16265.0	1075.6	932.1	86.66	54.7	24.0
24.6	44.5	16211.0	1093.5	947.2	86.61	55.8	24.0
24.5	45.9	16114.0	1126.4	974.4	86.50	57.7	24.0
24.5	46.8	16053.0	1146.0	991.2	86.49	59.0	24.0
24.5	47.5	16003.0	1162.8	1005.0	86.43	60.0	24.0
24.4	48.5	15934.0	1184.6	1023.3	86.38	61.3	24.0
24.4	50.0	15833.0	1218.7	1051.7	86.30	63.4	24.0
24.4	50.6	15784.0	1233.4	1063.5	86.22	64.3	24.0
24.3	52.0	15691.0	1265.1	1088.5	86.04	66.2	24.0
24.3	53.0	15626.0	1285.9	1104.8	85.92	67.5	24.0
24.2	54.1	15545.0	1311.6	1125.8	85.83	69.2	24.0
24.2	54.8	15495.0	1326.6	1137.7	85.76	70.1	24.0
24.2	55.9	15418.0	1350.4	1156.3	85.62	71.6	24.0
24.1	57.2	15329.0	1380.2	1179.1	85.43	73.5	24.0
24.1	57.7	15288.0	1391.4	1187.5	85.34	74.2	24.0
24.1	59.0	15201.0	1418.8	1207.4	85.11	75.9	24.0
24.0	59.4	15165.0	1427.9	1213.9	85.01	76.4	24.0