



Dateiname : ''
Datum : 08.03.2005 15:23:40

Bezeichnung : Orbit 15/16 (HP 355/15/B16 P10)
Seriennummer : 0205
Prüfnummer : 250205
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]
8.7	10.0	7727.0	87.1	68.0	78.11	8.4	24.0
8.6	11.1	7660.0	95.9	76.0	79.25	9.5	24.0
8.6	12.0	7605.0	103.3	82.9	80.28	10.4	24.0
8.6	13.0	7546.0	111.4	90.0	80.79	11.4	24.0
8.6	14.0	7484.0	120.4	98.4	81.67	12.6	24.0
8.6	15.0	7428.0	128.4	106.0	82.58	13.6	24.0
8.5	16.0	7370.0	136.6	113.5	83.07	14.7	24.0
8.5	16.8	7323.0	143.2	119.9	83.71	15.6	24.0
8.5	17.9	7260.0	152.5	128.7	84.40	16.9	24.0
8.5	18.8	7208.0	160.0	135.2	84.47	17.9	24.0
8.5	19.8	7155.0	168.1	142.5	84.77	19.0	24.0
8.5	20.8	7099.0	176.4	149.6	84.83	20.1	24.0
8.4	21.8	7048.0	184.0	156.5	85.05	21.2	24.0
8.4	22.7	6997.0	191.6	162.9	85.03	22.2	24.0
8.4	24.0	6928.0	202.0	171.7	84.98	23.7	24.0
8.4	24.9	6882.0	208.8	177.1	84.79	24.6	24.0
8.4	25.8	6831.0	216.4	183.4	84.72	25.6	24.0
8.4	26.8	6776.0	224.6	190.1	84.63	26.8	24.0
8.4	27.7	6731.0	231.2	195.5	84.57	27.7	24.0
8.3	28.6	6682.0	238.5	201.4	84.42	28.8	24.0
8.3	30.0	6610.0	249.5	209.4	83.93	30.3	24.0
8.3	30.9	6563.0	256.3	214.4	83.66	31.2	24.0
8.3	32.0	6504.0	264.8	220.6	83.31	32.4	24.0
8.3	33.2	6439.0	274.5	227.0	82.67	33.7	24.0
8.3	33.8	6405.0	279.1	229.9	82.38	34.3	24.0
8.2	34.6	6362.0	285.3	234.8	82.29	35.2	24.0
8.2	35.9	6295.0	295.1	241.5	81.85	36.6	24.0
8.2	36.9	6238.0	303.0	246.0	81.19	37.7	24.0
8.2	37.8	6190.0	309.7	249.7	80.63	38.5	24.0
8.2	38.6	6143.0	316.1	254.6	80.53	39.6	24.0
8.2	40.0	6072.0	326.4	260.7	79.86	41.0	24.0
8.2	40.6	6034.0	331.3	263.1	79.40	41.6	24.0
8.1	41.9	5963.0	341.3	269.1	78.85	43.1	24.0
8.1	42.6	5922.0	346.5	271.6	78.38	43.8	24.0
8.1	43.4	5877.0	352.3	274.9	78.03	44.7	24.0
8.1	45.0	5794.0	364.0	280.9	77.17	46.3	24.0



Dateiname : ''
Datum : 08.03.2005 15:23:59

Bezeichnung : Orbit 15/16 (HP 355/15/B16 P10)
Seriennummer : 0205
Prüfnummer : 250205
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	10.0	9955.0	111.2	85.5	76.91	8.2	24.0
11.1	11.1	9874.0	123.9	97.9	79.02	9.5	24.0
11.1	12.0	9804.0	133.6	107.2	80.25	10.4	24.0
11.1	12.9	9749.0	143.3	117.4	81.92	11.5	24.0
11.1	14.3	9664.0	158.4	131.3	82.89	13.0	24.0
11.0	15.0	9617.0	165.5	138.2	83.50	13.7	24.0
11.0	16.0	9551.0	176.4	148.0	83.93	14.8	24.0
11.0	17.0	9488.0	186.7	158.3	84.80	15.9	24.0
11.0	18.0	9423.0	197.7	168.6	85.24	17.1	24.0
11.0	18.9	9369.0	207.1	177.4	85.65	18.1	24.0
10.9	20.0	9299.0	219.2	188.2	85.86	19.3	24.0
10.9	21.0	9244.0	228.8	197.8	86.45	20.4	24.0
10.9	21.9	9185.0	238.6	206.2	86.41	21.4	24.0
10.9	22.9	9123.0	249.6	216.1	86.58	22.6	24.0
10.9	23.9	9067.0	259.4	224.9	86.69	23.7	24.0
10.8	24.8	9011.0	269.4	233.0	86.49	24.7	24.0
10.8	25.5	8968.0	276.4	238.0	86.11	25.3	24.0
10.8	26.9	8889.0	290.7	250.5	86.17	26.9	24.0
10.8	27.6	8844.0	298.3	257.2	86.21	27.8	24.0
10.8	28.7	8781.0	309.4	266.6	86.18	29.0	24.0
10.8	29.7	8724.0	319.5	274.3	85.88	30.0	24.0
10.7	30.6	8669.0	329.0	282.3	85.79	31.1	24.0
10.7	31.6	8614.0	338.6	290.3	85.75	32.2	24.0
10.7	32.6	8551.0	349.4	298.8	85.51	33.4	24.0
10.7	33.7	8492.0	359.8	306.9	85.29	34.5	24.0
10.7	34.6	8436.0	369.3	314.1	85.03	35.6	24.0
10.7	35.5	8382.0	378.5	321.2	84.86	36.6	24.0
10.6	36.6	8318.0	389.5	329.1	84.48	37.8	24.0
10.6	37.6	8261.0	399.0	336.2	84.25	38.9	24.0
10.6	38.5	8206.0	408.3	342.8	83.97	39.9	24.0
10.6	39.5	8148.0	418.0	349.6	83.63	41.0	24.0
10.6	40.8	8070.0	431.0	358.3	83.12	42.4	24.0
10.5	42.1	8003.0	443.5	365.4	82.39	43.6	24.0
10.5	43.0	7943.0	452.2	371.1	82.06	44.6	24.0
10.5	43.7	7898.0	458.8	375.4	81.82	45.4	24.0
10.5	44.5	7848.0	466.6	380.6	81.57	46.3	24.0

Dateiname : ''
Datum : 08.03.2005 15:24:14

Bezeichnung : Orbit 15/16 (HP 355/15/B16 P10)
Seriennummer : 0205
Prüfnummer : 250205
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]
13.6	9.9	12136.0	135.3	102.6	75.86	8.1	24.0
13.6	11.1	12045.0	150.4	117.0	77.77	9.3	24.0
13.6	12.1	11968.0	164.3	130.4	79.38	10.4	24.0
13.5	12.9	11902.0	175.1	141.1	80.57	11.3	24.0
13.5	13.9	11827.0	188.4	154.1	81.79	12.4	24.0
13.5	14.9	11757.0	200.9	166.4	82.82	13.5	24.0
13.5	15.9	11686.0	213.7	178.7	83.65	14.6	24.0
13.4	16.9	11612.0	227.2	191.3	84.19	15.7	24.0
13.4	18.0	11536.0	241.5	204.8	84.82	17.0	24.0
13.4	19.0	11466.0	254.7	217.4	85.34	18.1	24.0
13.4	20.1	11397.0	268.0	229.7	85.72	19.2	24.0
13.3	20.8	11342.0	278.1	239.2	85.99	20.1	24.0
13.3	22.0	11270.0	292.5	252.2	86.20	21.4	24.0
13.3	23.0	11205.0	305.1	263.6	86.40	22.5	24.0
13.3	23.9	11142.0	317.2	274.6	86.58	23.5	24.0
13.3	24.9	11080.0	329.4	285.6	86.69	24.6	24.0
13.2	25.8	11017.0	341.9	296.3	86.68	25.7	24.0
13.2	26.9	10950.0	355.4	308.4	86.78	26.9	24.0
13.2	27.8	10889.0	367.0	318.3	86.74	27.9	24.0
13.2	28.9	10823.0	380.5	329.9	86.70	29.1	24.0
13.1	29.7	10768.0	390.8	338.4	86.59	30.0	24.0
13.1	30.7	10705.0	403.3	349.0	86.53	31.1	24.0
13.1	31.7	10640.0	416.0	359.7	86.46	32.3	24.0
13.1	32.8	10576.0	428.7	370.3	86.37	33.4	24.0
13.1	33.7	10515.0	440.6	379.9	86.22	34.5	24.0
13.0	34.7	10453.0	452.6	389.5	86.07	35.6	24.0
13.0	35.7	10391.0	464.5	398.8	85.86	36.7	24.0
13.0	36.6	10328.0	476.7	408.3	85.66	37.8	24.0
13.0	37.5	10273.0	486.9	416.4	85.52	38.7	24.0
13.0	38.5	10211.0	499.0	424.9	85.15	39.7	24.0
12.9	39.4	10150.0	510.6	433.9	84.97	40.8	24.0
12.9	40.5	10082.0	523.7	443.2	84.63	42.0	24.0
12.9	41.9	9997.0	540.2	455.3	84.29	43.5	24.0
12.9	42.6	9947.0	548.9	461.3	84.05	44.3	24.0
12.9	43.9	9866.0	564.4	472.2	83.66	45.7	24.0
12.8	45.2	9784.0	579.6	482.1	83.19	47.1	24.0



Dateiname : ''
Datum : 08.03.2005 15:24:30

Bezeichnung : Orbit 15/16 (HP 355/15/B16 P10)
Seriennummer : 0205
Prüfnummer : 250205
Besonderes : future 18.129F

Versuchsaufbau

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

Messparameter

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]
14.7	15.1	12835.0	222.4	183.1	82.33	13.6	24.0
14.7	16.0	12756.0	234.5	194.8	83.07	14.6	24.0
14.7	17.1	12667.0	250.8	210.2	83.81	15.8	24.0
14.6	17.9	12605.0	261.7	221.4	84.58	16.8	24.0
14.6	19.1	12517.0	278.4	237.7	85.41	18.1	24.0
14.6	19.7	12466.0	287.3	246.0	85.64	18.8	24.0
14.6	21.0	12379.0	305.0	262.4	86.05	20.2	24.0
14.5	21.9	12310.0	318.7	274.6	86.16	21.3	24.0
14.5	23.0	12241.0	332.8	288.1	86.57	22.5	24.0
14.5	23.8	12182.0	344.5	298.7	86.71	23.4	24.0
14.5	24.7	12122.0	356.5	309.8	86.89	24.4	24.0
14.4	25.8	12049.0	371.8	323.4	86.99	25.6	24.0
14.4	26.9	11974.0	387.0	337.0	87.08	26.9	24.0
14.4	27.8	11912.0	400.1	348.3	87.07	27.9	24.0
14.4	28.8	11847.0	413.2	360.1	87.15	29.0	24.0
14.3	29.7	11784.0	426.4	371.4	87.10	30.1	24.0
14.3	30.8	11714.0	441.0	383.8	87.01	31.3	24.0
14.3	31.7	11652.0	453.8	394.2	86.87	32.3	24.0
14.3	32.7	11587.0	467.0	405.6	86.86	33.4	24.0
14.3	33.7	11522.0	480.5	416.4	86.66	34.5	24.0
14.2	34.7	11454.0	494.4	427.6	86.49	35.7	24.0
14.2	35.6	11395.0	506.5	437.9	86.45	36.7	24.0
14.2	36.5	11336.0	518.4	447.4	86.29	37.7	24.0
14.2	37.5	11272.0	531.6	457.7	86.11	38.8	24.0
14.1	38.7	11195.0	547.4	470.3	85.92	40.1	24.0
14.1	39.7	11129.0	560.5	480.1	85.66	41.2	24.0
14.1	40.9	11053.0	576.2	492.2	85.43	42.5	24.0
14.1	42.0	10981.0	590.5	502.8	85.14	43.7	24.0
14.1	42.8	10922.0	601.6	510.6	84.88	44.6	24.0
14.0	43.6	10866.0	612.4	518.1	84.60	45.5	24.0
14.0	44.7	10796.0	625.9	527.7	84.32	46.7	24.0
14.0	45.5	10736.0	637.3	535.5	84.02	47.6	24.0
14.0	47.3	10622.0	660.4	550.9	83.42	49.5	24.0
13.9	47.7	10590.0	665.3	553.9	83.26	50.0	24.0
13.9	48.8	10517.0	679.1	562.8	82.87	51.1	24.0
13.9	49.4	10470.0	687.2	567.5	82.58	51.8	24.0

Dateiname : ''
Datum : 08.03.2005 15:24:47

Bezeichnung : Orbit 15/16 (HP 355/15/B16 P10)
Seriennummer : 0205
Prüfnummer : 250205
Besonderes : future 18.129F

Versuchsaufbau

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

Messparameter

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]
17.2	14.7	15023.0	253.0	204.9	80.98	13.0	24.0
17.2	16.0	14906.0	274.4	225.8	82.29	14.5	24.0
17.2	16.9	14817.0	290.4	241.4	83.13	15.6	24.0
17.1	17.9	14733.0	306.5	256.8	83.78	16.6	24.0
17.1	18.9	14649.0	323.0	272.7	84.44	17.8	24.0
17.0	19.9	14567.0	339.7	288.8	85.01	18.9	24.0
17.0	20.8	14496.0	354.3	302.4	85.36	19.9	24.0
17.0	21.9	14415.0	371.8	318.6	85.70	21.1	24.0
17.0	23.0	14332.0	390.1	335.9	86.11	22.4	24.0
16.9	23.8	14275.0	402.1	347.1	86.33	23.2	24.0
16.9	24.9	14190.0	420.8	364.4	86.60	24.5	24.0
16.9	25.9	14118.0	436.6	378.7	86.73	25.6	24.0
16.8	27.0	14039.0	454.3	394.6	86.87	26.8	24.0
16.8	27.7	13987.0	465.4	404.8	86.99	27.6	24.0
16.8	28.8	13905.0	484.0	421.2	87.02	28.9	24.0
16.8	29.5	13853.0	494.7	430.4	87.01	29.7	24.0
16.7	30.8	13765.0	515.0	448.4	87.05	31.1	24.0
16.7	31.8	13689.0	532.3	462.6	86.90	32.3	24.0
16.7	32.7	13627.0	546.4	474.9	86.92	33.3	24.0
16.7	34.4	13515.0	572.1	497.6	86.98	35.2	24.0
16.6	35.0	13470.0	581.7	505.4	86.88	35.8	24.0
16.6	35.7	13412.0	593.3	515.1	86.81	36.7	24.0
16.6	36.8	13339.0	610.1	529.5	86.79	37.9	24.0
16.6	37.6	13281.0	622.7	539.6	86.64	38.8	24.0
16.5	38.5	13214.0	637.4	551.5	86.52	39.9	24.0
16.5	39.6	13140.0	654.1	565.1	86.40	41.1	24.0
16.5	40.7	13066.0	670.7	577.5	86.10	42.2	24.0
16.5	42.0	12972.0	691.5	593.9	85.89	43.7	24.0
16.4	42.6	12928.0	700.4	600.4	85.72	44.3	24.0
16.4	43.8	12844.0	719.1	614.6	85.47	45.7	24.0
16.4	44.8	12769.0	735.2	626.4	85.20	46.8	24.0
16.4	45.9	12694.0	751.1	637.7	84.90	48.0	24.0
16.3	46.7	12632.0	763.8	647.3	84.74	48.9	24.0
16.3	47.3	12589.0	771.9	653.0	84.59	49.5	24.0
16.3	48.2	12523.0	785.3	662.7	84.39	50.5	24.0
16.3	49.2	12447.0	801.0	673.4	84.08	51.7	24.0

Dateiname : ''
Datum : 08.03.2005 15:25:01

Bezeichnung : Orbit 15/16 (HP 355/15/B16 P10)
Seriennummer : 0205
Prüfnummer : 250205
Besonderes : future 18.129F

Versuchsaufbau

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

Messparameter

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]
19.7	15.0	17075.0	294.7	233.3	79.18	13.0	24.0
19.6	16.2	16965.0	317.1	255.1	80.44	14.4	24.0
19.6	17.0	16880.0	332.0	270.1	81.36	15.3	24.0
19.5	18.0	16786.0	351.6	288.7	82.10	16.4	24.0
19.5	19.0	16698.0	370.2	307.3	83.01	17.6	24.0
19.4	20.0	16615.0	388.0	324.0	83.51	18.6	24.0
19.4	20.9	16533.0	406.2	341.0	83.97	19.7	24.0
19.4	22.0	16442.0	427.1	360.9	84.48	21.0	24.0
19.4	22.8	16379.0	441.6	374.4	84.78	21.8	24.0
19.3	23.8	16294.0	460.6	392.4	85.20	23.0	24.0
19.3	24.8	16217.0	478.2	408.7	85.47	24.1	24.0
19.3	25.8	16137.0	496.5	425.5	85.71	25.2	24.0
19.2	26.7	16062.0	514.0	441.2	85.84	26.2	24.0
19.2	27.8	15979.0	533.5	459.6	86.15	27.5	24.0
19.2	29.0	15886.0	556.1	480.3	86.36	28.9	24.0
19.1	30.0	15812.0	573.5	495.9	86.46	29.9	24.0
19.1	30.9	15740.0	590.4	511.2	86.58	31.0	24.0
19.1	31.9	15665.0	608.2	526.8	86.61	32.1	24.0
19.0	33.0	15581.0	628.4	544.5	86.65	33.4	24.0
19.0	33.8	15519.0	642.6	557.2	86.70	34.3	24.0
19.0	34.6	15450.0	658.3	570.7	86.70	35.3	24.0
19.0	35.8	15362.0	679.7	589.1	86.67	36.6	24.0
18.9	36.8	15288.0	697.1	603.6	86.59	37.7	24.0
18.9	37.9	15205.0	716.7	620.2	86.53	39.0	24.0
18.9	38.8	15136.0	732.7	633.4	86.44	40.0	24.0
18.8	39.9	15057.0	751.7	649.0	86.34	41.2	24.0
18.8	40.9	14978.0	770.4	664.2	86.21	42.3	24.0
18.8	41.8	14909.0	785.2	676.3	86.14	43.3	24.0
18.8	42.8	14830.0	804.0	690.9	85.93	44.5	24.0
18.7	43.6	14771.0	817.3	701.3	85.81	45.3	24.0
18.7	44.7	14685.0	837.0	716.2	85.56	46.6	24.0
18.7	45.6	14615.0	852.6	728.2	85.40	47.6	24.0
18.7	46.7	14533.0	871.7	742.1	85.13	48.8	24.0
18.6	47.3	14484.0	881.1	748.9	84.99	49.4	24.0
18.6	48.4	14402.0	899.9	762.2	84.70	50.5	24.0
18.6	49.5	14315.0	919.7	775.2	84.29	51.7	24.0