



Dateiname : ''
Datum : 08.03.2005 15:02:14

Bezeichnung : Orbit 15/12 (HP 355/15/B12 P10)
Seriennummer : 0205
Prüfnummer : 280205
Besonderes : future 18.129F

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]
8.6	14.8	10266.0	128.0	100.9	78.81	9.4	24.0
8.6	16.0	10187.0	137.6	110.5	80.31	10.4	24.0
8.6	17.2	10114.0	147.4	119.9	81.36	11.3	24.0
8.6	17.9	10062.0	153.6	125.6	81.76	11.9	24.0
8.5	19.1	9993.0	163.3	134.6	82.40	12.9	24.0
8.5	20.0	9938.0	170.6	141.4	82.87	13.6	24.0
8.5	20.9	9887.0	177.5	147.9	83.30	14.3	24.0
8.5	22.5	9795.0	191.1	159.8	83.61	15.6	24.0
8.5	23.0	9768.0	194.7	163.7	84.05	16.0	24.0
8.4	24.5	9685.0	207.1	175.3	84.61	17.3	24.0
8.4	25.0	9655.0	211.1	178.9	84.74	17.7	24.0
8.4	25.9	9604.0	218.4	185.3	84.86	18.4	24.0
8.4	26.7	9563.0	224.2	190.2	84.84	19.0	24.0
8.4	27.6	9506.0	232.0	197.4	85.08	19.8	24.0
8.4	29.0	9434.0	243.0	206.6	85.03	20.9	24.0
8.4	30.1	9376.0	251.3	213.3	84.89	21.7	24.0
8.3	30.8	9334.0	257.2	218.2	84.83	22.3	24.0
8.3	32.0	9269.0	266.8	226.5	84.89	23.3	24.0
8.3	32.9	9220.0	273.7	232.4	84.91	24.1	24.0
8.3	34.1	9158.0	282.8	239.8	84.81	25.0	24.0
8.3	34.8	9117.0	288.3	244.8	84.91	25.6	24.0
8.3	35.9	9059.0	296.8	251.8	84.81	26.5	24.0
8.3	36.8	9010.0	303.7	257.1	84.66	27.3	24.0
8.2	37.8	8958.0	311.1	263.5	84.68	28.1	24.0
8.2	38.9	8897.0	319.9	270.3	84.50	29.0	24.0
8.2	40.0	8839.0	328.0	276.7	84.35	29.9	24.0
8.2	40.9	8791.0	334.7	281.4	84.09	30.6	24.0
8.2	41.7	8742.0	341.3	286.3	83.89	31.3	24.0
8.2	42.9	8682.0	349.9	292.9	83.71	32.2	24.0
8.1	43.8	8632.0	356.6	297.8	83.51	32.9	24.0
8.1	44.7	8581.0	363.7	302.8	83.26	33.7	24.0
8.1	45.8	8523.0	371.6	308.6	83.05	34.6	24.0
8.1	46.7	8473.0	378.4	313.2	82.78	35.3	24.0
8.1	47.7	8418.0	385.7	318.3	82.52	36.1	24.0
8.1	48.9	8356.0	394.4	324.0	82.15	37.0	24.0
8.1	49.8	8300.0	401.5	328.6	81.85	37.8	24.0
8.0	51.0	8241.0	409.5	333.8	81.50	38.7	24.0
8.0	51.8	8193.0	415.5	337.5	81.23	39.3	24.0
8.0	52.8	8136.0	423.2	342.6	80.94	40.2	24.0
8.0	53.6	8090.0	428.5	345.7	80.67	40.8	24.0
8.0	54.6	8029.0	435.9	350.5	80.41	41.7	24.0
8.0	55.7	7970.0	444.0	354.9	79.94	42.5	24.0
8.0	56.6	7919.0	450.2	358.2	79.57	43.2	24.0
7.9	57.5	7869.0	456.1	361.6	79.27	43.9	24.0
7.9	58.4	7815.0	462.9	365.1	78.89	44.6	24.0
7.9	59.2	7765.0	468.4	367.8	78.52	45.2	24.0

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Bezeichnung : Orbit 15/12 (HP 355/15/B12 P10)
Seriennummer : 0205
Prüfnummer : 280205
Besonderes : future 18.129F

Versuchsaufbau

Messparameter

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Grundlast      :    5 %           Strom von : 15 A   bis : 60 A
Hebelarmlänge :   60 mm          Schrittweite : 1.0 A
Waegezelle    :   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]
11.3	14.8	13380.0	166.5	133.5	80.20	9.5	22.0
11.2	16.2	13280.0	181.4	147.8	81.44	10.6	22.0
11.2	17.1	13214.0	191.3	157.2	82.17	11.4	22.0
11.2	18.1	13138.0	202.7	168.1	82.91	12.2	22.0
11.2	19.2	13068.0	213.7	178.1	83.36	13.0	22.0
11.1	20.2	12996.0	224.5	188.9	84.14	13.9	22.0
11.1	21.2	12923.0	236.0	201.4	85.33	14.9	22.0
11.1	22.3	12852.0	246.9	211.4	85.61	15.7	22.0
11.1	22.9	12805.0	253.5	217.2	85.69	16.2	22.0
11.0	24.0	12729.0	265.6	227.9	85.80	17.1	22.0
11.0	24.8	12676.0	273.5	235.8	86.23	17.8	22.0
11.0	25.9	12606.0	284.6	246.1	86.46	18.6	22.0
11.0	26.9	12539.0	295.7	256.2	86.64	19.5	22.0
11.0	28.0	12471.0	306.9	266.8	86.94	20.4	22.0
10.9	29.1	12404.0	318.0	277.2	87.17	21.3	22.0
10.9	29.8	12356.0	325.2	283.3	87.10	21.9	22.0
10.9	30.6	12302.0	334.2	291.3	87.14	22.6	22.0
10.9	32.1	12215.0	348.9	304.3	87.23	23.8	22.0
10.9	32.8	12169.0	356.2	310.4	87.13	24.4	22.0
10.8	34.0	12097.0	368.4	321.6	87.28	25.4	22.0
10.8	35.0	12036.0	378.7	329.9	87.12	26.2	22.0
10.8	35.5	11997.0	384.3	334.7	87.08	26.6	22.0
10.8	36.6	11930.0	395.6	344.7	87.12	27.6	22.0
10.8	37.5	11877.0	403.9	351.6	87.05	28.3	22.0
10.8	38.7	11806.0	416.2	361.7	86.91	29.3	22.0
10.7	40.2	11717.0	431.2	374.0	86.72	30.5	22.0
10.7	41.4	11648.0	443.2	383.6	86.57	31.5	22.0
10.7	42.0	11609.0	448.8	388.0	86.45	31.9	22.0
10.7	43.1	11542.0	459.8	397.1	86.37	32.9	22.0
10.7	43.6	11508.0	464.6	401.0	86.31	33.3	22.0
10.6	45.0	11425.0	478.5	411.4	85.98	34.4	22.0
10.6	46.0	11365.0	488.2	419.3	85.88	35.2	22.0
10.6	47.0	11301.0	498.3	427.7	85.84	36.1	22.0
10.6	47.8	11247.0	506.6	433.9	85.64	36.8	22.0
10.6	48.8	11188.0	515.8	440.8	85.45	37.6	22.0
10.6	49.8	11124.0	525.8	447.9	85.18	38.4	22.0
10.5	50.7	11069.0	534.3	454.1	84.98	39.2	22.0
10.5	51.6	11015.0	542.2	459.2	84.69	39.8	22.0
10.5	52.7	10946.0	552.9	467.1	84.47	40.7	22.0
10.5	53.6	10885.0	562.2	473.3	84.20	41.5	22.0
10.5	54.6	10826.0	570.6	479.5	84.02	42.3	22.0
10.4	55.5	10769.0	579.3	485.1	83.75	43.0	22.0
10.4	56.5	10706.0	588.7	491.2	83.44	43.8	22.0
10.4	57.3	10653.0	596.6	496.1	83.16	44.5	22.0
10.4	58.5	10580.0	607.3	503.0	82.82	45.4	22.0
10.4	59.6	10508.0	618.2	509.5	82.42	46.3	22.0

Dateiname : ''
Datum : 08.03.2005 15:02:51

Bezeichnung : Orbit 15/12 (HP 355/15/B12 P10)
Seriennummer : 0205
Prüfnummer : 280205
Besonderes : future 18.129F

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]
13.7	14.7	16205.0	200.8	152.7	76.06	9.0	22.0
13.6	16.2	16085.0	220.9	173.0	78.32	10.3	22.0
13.6	17.0	16011.0	231.9	183.9	79.31	11.0	22.0
13.6	18.1	15934.0	245.4	197.3	80.41	11.8	22.0
13.5	19.1	15855.0	258.9	210.7	81.39	12.7	22.0
13.5	20.1	15779.0	271.9	223.2	82.07	13.5	22.0
13.5	20.9	15712.0	282.6	233.7	82.67	14.2	22.0
13.5	21.9	15640.0	294.9	245.3	83.16	15.0	22.0
13.4	23.0	15561.0	308.9	258.8	83.78	15.9	22.0
13.4	24.3	15473.0	325.8	274.8	84.37	17.0	22.0
13.4	25.1	15414.0	336.0	284.4	84.66	17.6	22.0
13.4	26.0	15348.0	347.7	295.3	84.91	18.4	22.0
13.4	26.8	15288.0	358.3	304.8	85.06	19.0	22.0
13.3	27.8	15215.0	371.3	316.8	85.32	19.9	22.0
13.3	28.7	15157.0	382.0	327.0	85.62	20.6	22.0
13.3	29.8	15082.0	396.0	340.1	85.88	21.5	22.0
13.3	30.6	15021.0	406.8	350.2	86.09	22.3	22.0
13.3	31.6	14956.0	418.8	360.8	86.16	23.0	22.0
13.2	32.6	14887.0	431.2	372.1	86.29	23.9	22.0
13.2	33.7	14811.0	445.6	385.0	86.40	24.8	22.0
13.2	34.5	14757.0	455.0	393.8	86.54	25.5	22.0
13.2	35.6	14682.0	469.1	406.4	86.63	26.4	22.0
13.1	36.7	14611.0	482.0	417.7	86.67	27.3	22.0
13.1	37.7	14544.0	494.4	428.8	86.72	28.2	22.0
13.1	38.6	14478.0	506.2	438.6	86.66	28.9	22.0
13.1	40.0	14392.0	522.7	451.9	86.46	30.0	22.0
13.1	41.0	14327.0	534.5	462.1	86.45	30.8	22.0
13.0	42.0	14258.0	547.0	472.2	86.33	31.6	22.0
13.0	42.9	14195.0	558.5	482.2	86.35	32.4	22.0
13.0	43.9	14131.0	569.7	491.7	86.31	33.2	22.0
13.0	44.9	14066.0	581.7	501.2	86.16	34.0	22.0
12.9	45.9	13998.0	594.1	511.1	86.03	34.9	22.0
12.9	46.9	13929.0	606.4	521.2	85.95	35.7	22.0
12.9	48.0	13860.0	618.6	531.2	85.87	36.6	22.0
12.9	48.9	13796.0	629.7	540.0	85.76	37.4	22.0
12.9	49.7	13742.0	638.8	547.5	85.71	38.0	22.0
12.8	50.8	13670.0	651.7	557.5	85.55	38.9	22.0
12.8	51.9	13595.0	664.8	567.2	85.31	39.8	22.0
12.8	52.9	13528.0	676.5	575.8	85.11	40.6	22.0
12.8	54.2	13439.0	692.6	587.7	84.86	41.8	22.0
12.8	54.9	13392.0	699.7	593.2	84.78	42.3	22.0
12.7	55.5	13343.0	707.1	599.1	84.72	42.9	22.0
12.7	56.8	13257.0	722.2	609.8	84.44	43.9	22.0
12.7	58.0	13181.0	735.1	618.2	84.09	44.8	22.0
12.7	58.9	13117.0	745.6	625.4	83.88	45.5	22.0
12.6	59.8	13055.0	755.4	631.9	83.65	46.2	22.0



Dateiname : ''
Datum : 08.03.2005 15:03:07

Bezeichnung : Orbit 15/12 (HP 355/15/B12 P10)
Seriennummer : 0205
Prüfnummer : 280205
Besonderes : future 18.129F

<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]
14.8	15.0	17512.0	221.9	169.2	76.27	9.2	23.0
14.8	16.1	17416.0	237.1	184.2	77.67	10.1	23.0
14.7	17.1	17325.0	252.1	198.7	78.81	11.0	23.0
14.7	18.1	17241.0	265.6	212.3	79.93	11.8	23.0
14.7	19.2	17151.0	281.5	228.0	80.99	12.7	23.0
14.6	20.2	17075.0	295.2	241.3	81.72	13.5	23.0
14.6	21.2	16996.0	309.3	254.9	82.40	14.3	23.0
14.6	21.9	16935.0	320.3	265.4	82.86	15.0	23.0
14.6	22.9	16863.0	333.3	277.8	83.35	15.7	23.0
14.5	24.0	16781.0	349.0	292.5	83.82	16.6	23.0
14.5	24.9	16713.0	361.5	304.4	84.22	17.4	23.0
14.5	26.3	16611.0	381.3	323.2	84.77	18.6	23.0
14.5	27.1	16556.0	391.8	333.2	85.03	19.2	23.0
14.5	27.9	16495.0	403.0	343.5	85.23	19.9	23.0
14.4	28.9	16425.0	416.5	356.1	85.51	20.7	23.0
14.4	29.8	16357.0	429.5	368.4	85.78	21.5	23.0
14.4	30.8	16283.0	443.5	381.4	86.01	22.4	23.0
14.4	31.8	16213.0	456.8	393.6	86.17	23.2	23.0
14.3	33.0	16134.0	472.4	407.7	86.31	24.1	23.0
14.3	33.9	16066.0	485.4	419.3	86.40	24.9	23.0
14.3	34.9	15993.0	498.9	431.5	86.49	25.8	23.0
14.3	35.8	15934.0	510.7	441.7	86.49	26.5	23.0
14.3	36.6	15879.0	521.4	451.3	86.54	27.1	23.0
14.2	37.7	15801.0	535.9	464.5	86.69	28.1	23.0
14.2	39.0	15708.0	553.9	480.7	86.77	29.2	23.0
14.2	40.1	15638.0	567.8	492.8	86.79	30.1	23.0
14.1	41.1	15567.0	581.2	504.3	86.77	30.9	23.0
14.1	41.6	15526.0	587.8	509.8	86.73	31.4	23.0
14.1	42.9	15437.0	605.5	524.9	86.69	32.5	23.0
14.1	43.9	15368.0	618.6	536.1	86.66	33.3	23.0
14.1	44.8	15305.0	629.9	545.4	86.59	34.0	23.0
14.0	46.0	15224.0	645.8	558.7	86.52	35.0	23.0
14.0	47.0	15156.0	658.2	568.9	86.43	35.8	23.0
14.0	48.0	15086.0	671.9	579.9	86.31	36.7	23.0
14.0	48.9	15023.0	683.0	589.0	86.23	37.4	23.0
13.9	50.0	14950.0	696.8	599.9	86.09	38.3	23.0
13.9	51.1	14873.0	711.1	611.2	85.94	39.2	23.0
13.9	51.9	14813.0	721.8	619.3	85.80	39.9	23.0
13.9	53.1	14733.0	736.7	630.9	85.63	40.9	23.0
13.9	53.9	14675.0	746.3	638.2	85.52	41.5	23.0
13.8	55.0	14600.0	760.0	648.6	85.34	42.4	23.0
13.8	55.9	14536.0	771.8	657.4	85.18	43.2	23.0
13.8	56.6	14479.0	781.0	663.8	85.00	43.8	23.0
13.8	57.8	14400.0	794.9	673.7	84.76	44.7	23.0
13.7	58.8	14324.0	808.3	683.2	84.52	45.5	23.0
13.7	59.8	14254.0	820.3	691.7	84.32	46.3	23.0