



Datum : 06.12.2005 12:45:24
Bezeichnung : **HP 300/50/A1 S**
Seriennummer : 1205
Prüfnummer : 241105
Besonderes : future 32.80K

Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Wirkungsgrad [%]	Drehmoment [Ncm]	Temp. [°C]
10.9	30.2	13953.0	327.9	269.3	82.14	18.4	25.0
10.8	31.0	13892.0	336.3	276.9	82.32	19.0	25.0
10.8	32.0	13830.0	345.3	285.7	82.75	19.7	25.0
10.8	32.9	13773.0	354.5	294.2	83.00	20.4	25.0
10.8	33.8	13714.0	363.9	302.6	83.15	21.1	25.0
10.7	34.8	13654.0	374.4	311.9	83.33	21.8	25.0
10.7	35.8	13599.0	383.5	320.1	83.46	22.5	25.0
10.7	36.7	13545.0	392.7	327.8	83.49	23.1	25.0
10.7	37.8	13481.0	403.7	337.8	83.67	23.9	25.0
10.7	38.8	13421.0	413.9	346.9	83.81	24.7	25.0
10.6	40.1	13350.0	426.5	358.0	83.94	25.6	25.0
10.6	41.0	13298.0	435.4	366.1	84.09	26.3	25.0
10.6	42.1	13235.0	446.3	375.2	84.06	27.1	25.0
10.6	43.1	13181.0	455.7	383.3	84.11	27.8	25.0
10.6	43.8	13138.0	462.6	389.3	84.15	28.3	25.0
10.5	44.8	13083.0	471.9	396.9	84.10	29.0	25.0
10.5	46.2	13002.0	486.3	409.3	84.16	30.1	25.0
10.5	47.0	12957.0	493.8	415.7	84.19	30.6	25.0
10.5	48.1	12895.0	504.4	424.7	84.20	31.5	25.0
10.5	49.1	12839.0	513.5	432.1	84.14	32.1	25.0
10.4	50.1	12785.0	522.8	440.4	84.24	32.9	25.0
10.4	51.0	12732.0	531.7	447.7	84.20	33.6	25.0
10.4	51.8	12686.0	539.2	453.7	84.14	34.2	25.0
10.4	53.0	12623.0	550.0	462.7	84.13	35.0	25.0
10.4	54.1	12559.0	560.9	472.0	84.17	35.9	25.0
10.3	54.9	12513.0	568.5	478.2	84.12	36.5	25.0
10.3	56.0	12451.0	578.5	486.8	84.15	37.3	25.0
10.3	57.0	12396.0	587.4	494.3	84.15	38.1	25.0
10.3	57.6	12361.0	593.6	498.3	83.94	38.5	25.0
10.3	58.4	12314.0	600.1	504.6	84.08	39.1	25.0
10.3	59.3	12263.0	608.3	511.3	84.05	39.8	25.0
10.2	61.2	12163.0	625.6	525.0	83.93	41.2	25.0
10.2	61.6	12132.0	629.2	528.1	83.93	41.6	25.0
10.2	62.3	12096.0	635.6	533.2	83.89	42.1	25.0
10.2	63.9	12006.0	650.2	544.8	83.78	43.3	25.0
10.2	64.9	11948.0	659.1	551.9	83.74	44.1	25.0
10.1	66.3	11874.0	671.3	562.1	83.73	45.2	25.0
10.1	67.0	11830.0	677.7	567.0	83.67	45.8	25.0
10.1	68.0	11777.0	686.1	573.8	83.63	46.5	25.0
10.1	68.9	11721.0	694.6	580.5	83.57	47.3	25.0
10.1	70.2	11651.0	706.0	588.7	83.39	48.3	25.0



Datum : 06.12.2005 12:45:38
Bezeichnung : **HP 300/50/A1 S**
Seriennummer : 1205
Prüfnummer : 241105
Besonderes : future 32.80K

Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Wirkungsgrad [%]	Drehmoment [Ncm]	Temp. [°C]
13.1	41.1	16396.0	537.2	451.2	84.00	26.3	25.0
13.0	42.2	16328.0	550.8	463.5	84.16	27.1	25.0
13.0	43.1	16271.0	561.5	473.3	84.30	27.8	25.0
13.0	44.2	16209.0	573.7	484.6	84.46	28.5	25.0
13.0	45.4	16135.0	589.0	498.6	84.65	29.5	25.0
12.9	46.1	16089.0	597.3	506.3	84.75	30.0	25.0
12.9	46.8	16046.0	605.0	513.0	84.79	30.5	25.0
12.9	47.8	15984.0	616.9	523.6	84.89	31.3	25.0
12.9	49.2	15900.0	633.6	538.5	84.99	32.3	25.0
12.9	50.1	15845.0	644.0	547.6	85.03	33.0	25.0
12.8	51.1	15786.0	655.6	557.6	85.06	33.7	25.0
12.8	52.3	15714.0	669.9	569.7	85.04	34.6	25.0
12.8	53.0	15667.0	678.5	577.2	85.08	35.2	25.0
12.8	54.1	15602.0	690.9	588.2	85.14	36.0	25.0
12.7	55.2	15538.0	703.1	598.3	85.09	36.8	25.0
12.7	56.1	15479.0	714.1	607.7	85.10	37.5	25.0
12.7	57.0	15427.0	723.6	615.1	85.01	38.1	25.0
12.7	58.2	15352.0	738.2	627.2	84.96	39.0	25.0
12.7	59.2	15294.0	749.0	636.1	84.94	39.7	25.0
12.6	59.9	15248.0	757.1	643.4	84.98	40.3	25.0
12.6	61.0	15182.0	769.3	653.4	84.94	41.1	25.0
12.6	62.3	15104.0	784.4	665.4	84.83	42.1	25.0
12.6	63.4	15042.0	796.5	675.4	84.79	42.9	25.0
12.6	64.0	15002.0	802.8	680.2	84.72	43.3	25.0
12.5	65.2	14928.0	816.3	691.6	84.73	44.2	25.0
12.5	66.0	14878.0	825.1	698.5	84.66	44.8	25.0
12.5	67.0	14817.0	836.1	708.1	84.70	45.6	25.0
12.5	68.0	14758.0	846.9	716.6	84.62	46.4	25.0
12.4	69.0	14693.0	858.2	726.2	84.61	47.2	25.0
12.4	69.9	14635.0	868.6	734.5	84.57	47.9	25.0
12.4	71.2	14560.0	882.3	745.6	84.51	48.9	25.0
12.4	72.0	14508.0	891.1	752.8	84.48	49.5	25.0
12.4	72.9	14451.0	900.3	760.0	84.42	50.2	25.0
12.3	74.0	14385.0	912.1	769.3	84.35	51.1	25.0
12.3	75.2	14314.0	924.9	779.2	84.25	52.0	25.0
12.3	75.9	14263.0	932.6	786.3	84.31	52.6	25.0
12.3	77.0	14199.0	943.7	795.3	84.27	53.5	25.0
12.2	78.0	14133.0	954.9	803.8	84.18	54.3	25.0
12.2	79.2	14062.0	967.3	813.0	84.05	55.2	25.0
12.2	80.1	14006.0	976.5	820.2	83.99	55.9	25.0
12.2	81.0	13946.0	986.5	827.5	83.89	56.7	25.0
12.2	82.1	13877.0	998.0	835.8	83.75	57.5	25.0
12.1	82.8	13835.0	1004.7	839.9	83.60	58.0	25.0
12.1	84.0	13757.0	1017.4	849.3	83.49	59.0	25.0
12.1	84.7	13714.0	1024.1	854.1	83.40	59.5	25.0
12.1	85.8	13643.0	1036.0	862.4	83.24	60.4	25.0
12.0	87.1	13567.0	1048.7	870.9	83.05	61.3	25.0
12.0	87.9	13517.0	1056.5	875.6	82.88	61.9	25.0
12.0	89.0	13446.0	1067.9	882.9	82.67	62.7	25.0
12.0	90.0	13382.0	1078.1	889.8	82.53	63.5	25.0



Datum : 06.12.2005 12:45:53
Bezeichnung : **HP 300/50/A1 S**
Seriennummer : 1205
Prüfnummer : 241105
Besonderes : future 32.80K

Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Wirkungsgrad [%]	Drehmoment [Ncm]	Temp. [°C]
14.1	41.3	17739.0	584.5	493.1	84.36	26.5	25.0
14.1	42.1	17687.0	594.8	502.8	84.53	27.1	25.0
14.1	43.4	17608.0	611.5	518.0	84.70	28.1	25.0
14.1	44.2	17557.0	622.1	527.3	84.77	28.7	25.0
14.1	45.0	17501.0	633.2	537.9	84.96	29.4	25.0
14.0	46.1	17436.0	646.5	549.5	85.00	30.1	25.0
14.0	47.1	17369.0	660.2	562.5	85.20	30.9	25.0
14.0	48.2	17308.0	673.3	574.6	85.34	31.7	25.0
14.0	49.2	17241.0	686.2	585.4	85.31	32.4	25.0
13.9	50.0	17187.0	697.3	595.2	85.36	33.1	25.0
13.9	51.2	17113.0	712.2	608.4	85.42	33.9	25.0
13.9	52.1	17056.0	723.4	618.6	85.51	34.6	25.0
13.9	53.1	16996.0	735.6	629.6	85.60	35.4	25.0
13.8	54.2	16926.0	749.8	642.8	85.72	36.3	25.0
13.8	55.4	16851.0	765.5	656.2	85.72	37.2	25.0
13.8	56.0	16812.0	772.2	662.3	85.77	37.6	25.0
13.8	57.1	16743.0	786.3	675.0	85.84	38.5	25.0
13.7	58.1	16680.0	798.8	685.6	85.83	39.3	25.0
13.7	59.2	16616.0	811.5	696.8	85.86	40.0	25.0
13.7	60.2	16549.0	824.8	708.3	85.87	40.9	25.0
13.7	61.2	16487.0	836.9	718.7	85.88	41.6	25.0
13.6	62.4	16411.0	852.1	731.5	85.84	42.6	25.0
13.6	63.4	16356.0	863.2	741.2	85.86	43.3	25.0
13.6	64.0	16309.0	871.3	748.0	85.86	43.8	25.0
13.6	65.0	16249.0	882.7	757.5	85.82	44.5	25.0
13.6	66.2	16177.0	896.9	768.6	85.70	45.4	25.0
13.5	67.2	16111.0	909.4	779.3	85.69	46.2	25.0
13.5	68.4	16042.0	923.5	790.4	85.59	47.1	25.0
13.5	69.1	15993.0	931.5	797.1	85.57	47.6	25.0
13.5	70.1	15927.0	944.0	807.2	85.50	48.4	25.0
13.4	71.1	15867.0	955.4	816.3	85.44	49.1	25.0
13.4	72.2	15797.0	968.7	826.4	85.31	50.0	25.0
13.4	73.0	15744.0	978.0	833.7	85.24	50.6	25.0
13.4	74.2	15669.0	992.4	845.1	85.16	51.5	25.0
13.3	75.3	15602.0	1004.7	854.6	85.06	52.3	25.0
13.3	76.0	15555.0	1012.5	861.2	85.06	52.9	25.0
13.3	77.0	15489.0	1024.4	870.0	84.93	53.6	25.0
13.3	78.1	15423.0	1036.6	879.5	84.85	54.5	25.0
13.3	79.1	15360.0	1048.0	887.9	84.72	55.2	25.0
13.2	80.2	15290.0	1060.8	897.3	84.59	56.0	25.0
13.2	80.9	15241.0	1069.1	903.4	84.51	56.6	25.0
13.2	82.0	15176.0	1080.6	912.0	84.39	57.4	25.0
13.2	82.9	15115.0	1091.3	920.3	84.32	58.1	25.0
13.1	84.2	15036.0	1105.8	930.9	84.19	59.1	25.0
13.1	85.1	14978.0	1115.7	938.3	84.10	59.8	25.0
13.1	85.9	14925.0	1124.5	944.1	83.96	60.4	25.0
13.1	86.9	14855.0	1136.2	953.3	83.91	61.3	25.0
13.0	87.9	14799.0	1146.6	959.8	83.71	61.9	25.0
13.0	89.1	14718.0	1160.7	971.2	83.68	63.0	25.0
13.0	90.2	14647.0	1172.4	979.7	83.57	63.9	25.0



Datum : 06.12.2005 12:46:17
Bezeichnung : **HP 300/50/A1 S**
Seriennummer : 1205
Prüfnummer : 241105
Besonderes : future 32.80K

Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Wirkungsgrad [%]	Drehmoment [Ncm]	Temp. [°C]
15.5	41.2	19410.0	636.7	536.4	84.24	26.4	25.0
15.4	42.1	19349.0	650.0	549.5	84.54	27.1	25.0
15.4	43.3	19272.0	667.6	565.5	84.70	28.0	25.0
15.4	44.2	19212.0	680.0	576.8	84.82	28.7	25.0
15.4	44.9	19162.0	689.8	585.9	84.93	29.2	25.0
15.3	46.0	19090.0	705.5	600.4	85.11	30.0	25.0
15.3	46.8	19038.0	716.0	610.5	85.26	30.6	25.0
15.3	48.4	18936.0	739.1	631.1	85.39	31.8	25.0
15.3	49.1	18889.0	748.6	639.7	85.45	32.3	25.0
15.2	50.0	18829.0	760.9	650.9	85.55	33.0	25.0
15.2	51.2	18749.0	778.5	666.8	85.65	34.0	25.0
15.2	52.2	18685.0	791.8	678.6	85.70	34.7	25.0
15.2	53.1	18622.0	805.0	690.1	85.73	35.4	25.0
15.1	54.4	18540.0	823.2	707.1	85.89	36.4	25.0
15.1	55.3	18484.0	834.7	717.3	85.93	37.1	25.0
15.1	56.1	18430.0	845.9	727.5	86.00	37.7	25.0
15.1	57.0	18367.0	858.5	738.6	86.03	38.4	25.0
15.0	58.2	18292.0	874.3	752.3	86.05	39.3	25.0
15.0	59.2	18227.0	887.8	764.1	86.06	40.0	25.0
15.0	60.4	18151.0	904.8	779.2	86.12	41.0	25.0
15.0	61.1	18102.0	914.1	788.2	86.23	41.6	25.0
14.9	62.2	18033.0	927.9	800.2	86.23	42.4	25.0
14.9	62.9	17982.0	938.0	808.5	86.20	42.9	25.0
14.9	64.2	17901.0	954.4	822.4	86.17	43.9	25.0
14.9	65.0	17843.0	966.1	832.5	86.17	44.6	25.0
14.8	65.6	17802.0	972.8	838.2	86.17	45.0	25.0
14.8	66.4	17745.0	983.9	847.4	86.12	45.6	25.0
14.8	67.5	17675.0	997.5	858.5	86.06	46.4	25.0
14.7	69.2	17571.0	1019.8	877.0	86.00	47.7	25.0
14.7	70.0	17511.0	1031.1	886.6	85.98	48.3	25.0
14.7	71.2	17436.0	1046.1	898.6	85.90	49.2	25.0
14.7	72.0	17378.0	1057.0	907.6	85.86	49.9	25.0
14.6	73.2	17307.0	1072.1	918.9	85.71	50.7	25.0
14.6	74.1	17239.0	1083.9	928.9	85.70	51.5	25.0
14.6	75.1	17174.0	1096.0	938.8	85.66	52.2	25.0
14.6	76.2	17103.0	1109.7	949.5	85.57	53.0	25.0
14.5	77.2	17037.0	1122.1	959.4	85.49	53.8	25.0
14.5	78.1	16970.0	1134.3	968.6	85.39	54.5	25.0
14.5	78.9	16917.0	1144.0	976.6	85.37	55.1	25.0
14.5	80.3	16830.0	1161.3	990.2	85.26	56.2	25.0
14.5	80.8	16792.0	1167.1	994.7	85.23	56.6	25.0
14.4	82.1	16704.0	1184.0	1008.4	85.17	57.6	25.0
14.4	83.2	16635.0	1196.9	1018.2	85.08	58.5	25.0
14.4	83.9	16582.0	1206.0	1025.4	85.02	59.1	25.0
14.3	85.2	16499.0	1222.3	1037.3	84.87	60.0	25.0
14.3	86.6	16413.0	1239.0	1050.4	84.78	61.1	25.0
14.3	87.3	16363.0	1247.5	1056.5	84.69	61.7	25.0
14.3	88.7	16273.0	1264.8	1069.5	84.56	62.8	25.0
14.2	89.3	16231.0	1271.9	1074.1	84.45	63.2	25.0
14.2	89.9	16180.0	1279.7	1079.4	84.35	63.7	25.0



Datum : 06.12.2005 12:46:31
Bezeichnung : **HP 300/50/A1 S**
Seriennummer : 1205
Prüfnummer : 241105
Besonderes : future 32.80K

Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Wirkungsgrad [%]	Drehmoment [Ncm]	Temp. [°C]
17.7	40.9	22266.0	724.7	601.3	82.97	25.8	25.0
17.7	42.3	22170.0	748.0	624.1	83.43	26.9	25.0
17.6	43.2	22111.0	761.6	637.7	83.73	27.5	25.0
17.6	44.2	22032.0	778.8	653.9	83.96	28.3	25.0
17.6	45.2	21962.0	794.5	668.4	84.13	29.1	25.0
17.5	46.5	21872.0	816.6	688.8	84.34	30.1	25.0
17.5	47.1	21828.0	825.9	697.8	84.49	30.5	25.0
17.5	48.4	21740.0	846.6	717.1	84.71	31.5	25.0
17.5	49.2	21679.0	859.6	729.3	84.84	32.1	25.0
17.4	50.3	21604.0	876.9	745.5	85.02	33.0	25.0
17.4	51.1	21548.0	889.7	757.4	85.13	33.6	25.0
17.4	52.2	21469.0	907.1	774.0	85.32	34.4	25.0
17.4	53.4	21385.0	927.2	792.5	85.47	35.4	25.0
17.3	54.3	21325.0	940.7	804.2	85.49	36.0	25.0
17.3	55.4	21252.0	959.1	821.2	85.63	36.9	25.0
17.3	56.2	21188.0	971.1	832.3	85.70	37.5	25.0
17.2	57.2	21121.0	985.7	845.3	85.76	38.2	25.0
17.2	58.5	21032.0	1006.6	865.6	85.99	39.3	25.0
17.2	59.2	20981.0	1017.5	875.3	86.03	39.8	25.0
17.2	60.4	20898.0	1036.8	892.4	86.07	40.8	25.0
17.1	61.5	20826.0	1053.0	906.8	86.12	41.6	25.0
17.1	62.3	20764.0	1066.0	918.2	86.14	42.2	25.0
17.1	63.0	20710.0	1076.8	927.3	86.12	42.8	25.0
17.1	63.9	20648.0	1089.9	938.2	86.09	43.4	25.0
17.0	65.5	20541.0	1115.2	959.7	86.06	44.6	25.0
17.0	66.4	20478.0	1128.8	971.7	86.08	45.3	25.0
17.0	67.3	20416.0	1142.0	982.6	86.04	46.0	25.0
16.9	68.5	20336.0	1159.8	996.6	85.93	46.8	25.0
16.9	69.5	20264.0	1175.2	1009.2	85.87	47.6	25.0
16.9	70.0	20227.0	1183.3	1014.9	85.77	47.9	25.0
16.9	71.2	20147.0	1200.2	1028.9	85.73	48.8	25.0
16.8	72.2	20077.0	1214.8	1040.5	85.65	49.5	25.0
16.8	73.1	20010.0	1228.8	1052.3	85.64	50.2	25.0
16.8	74.6	19913.0	1250.7	1071.0	85.63	51.4	25.0
16.8	75.3	19863.0	1260.8	1080.0	85.66	51.9	25.0
16.7	76.2	19797.0	1274.6	1090.4	85.55	52.6	25.0
16.7	77.2	19718.0	1288.2	1104.6	85.75	53.5	25.0
16.7	78.3	19648.0	1304.6	1117.2	85.64	54.3	25.0
16.6	79.0	19595.0	1314.5	1125.8	85.65	54.9	25.0
16.6	80.6	19493.0	1338.1	1145.2	85.58	56.1	25.0
16.6	81.4	19433.0	1350.0	1155.1	85.56	56.8	25.0
16.6	82.2	19375.0	1361.5	1164.5	85.53	57.4	25.0
16.5	83.7	19280.0	1382.7	1181.1	85.42	58.5	25.0
16.5	83.8	19265.0	1385.0	1182.9	85.41	58.6	25.0
16.5	85.3	19166.0	1405.5	1199.7	85.35	59.8	25.0
16.5	86.2	19103.0	1418.2	1209.2	85.26	60.4	25.0
16.4	87.4	19019.0	1435.7	1223.2	85.20	61.4	25.0
16.4	88.4	18949.0	1450.2	1234.4	85.12	62.2	25.0
16.4	89.1	18904.0	1459.1	1240.3	85.00	62.7	25.0
16.3	90.4	18812.0	1477.7	1254.3	84.89	63.7	25.0



Datum : 06.12.2005 12:46:48
Bezeichnung : **HP 300/50/A1 S**
Seriennummer : 1205
Prüfnummer : 241105
Besonderes : future 32.80K

Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Wirkungsgrad [%]	Drehmoment [Ncm]	Temp. [°C]
19.0	41.0	23871.0	777.7	635.0	81.65	25.4	23.0
19.0	41.8	23803.0	793.0	650.0	81.97	26.1	23.0
18.9	43.5	23690.0	822.4	677.9	82.42	27.3	23.0
18.9	44.1	23641.0	833.0	688.0	82.60	27.8	23.0
18.9	44.8	23585.0	845.0	699.2	82.74	28.3	23.0
18.8	46.5	23464.0	875.7	727.4	83.06	29.6	23.0
18.8	47.1	23416.0	885.7	737.7	83.29	30.1	23.0
18.8	47.8	23357.0	897.9	749.0	83.42	30.6	23.0
18.7	49.5	23244.0	926.6	775.5	83.69	31.9	23.0
18.7	50.0	23201.0	935.1	783.7	83.81	32.3	23.0
18.7	50.8	23136.0	949.1	796.6	83.93	32.9	23.0
18.6	51.8	23060.0	966.7	813.1	84.11	33.7	23.0
18.6	53.5	22947.0	994.6	839.1	84.36	34.9	23.0
18.6	54.1	22894.0	1005.6	848.1	84.34	35.4	23.0
18.5	55.2	22815.0	1024.1	865.3	84.49	36.2	23.0
18.5	56.4	22733.0	1043.4	883.0	84.63	37.1	23.0
18.5	56.9	22686.0	1052.5	891.2	84.67	37.5	23.0
18.5	57.4	22646.0	1060.0	898.1	84.73	37.9	23.0
18.4	59.5	22506.0	1095.4	930.2	84.92	39.5	23.0
18.4	59.8	22473.0	1100.4	934.8	84.95	39.7	23.0
18.4	60.7	22409.0	1114.4	947.0	84.98	40.4	23.0
18.3	61.7	22332.0	1130.8	962.3	85.09	41.1	23.0
18.3	62.6	22259.0	1146.9	975.9	85.09	41.9	23.0
18.3	64.3	22145.0	1174.2	1000.1	85.18	43.1	23.0
18.2	65.3	22073.0	1191.0	1014.1	85.14	43.9	23.0
18.2	66.2	22000.0	1205.4	1027.6	85.25	44.6	23.0
18.2	67.1	21933.0	1220.2	1041.3	85.34	45.3	23.0
18.1	68.2	21854.0	1237.5	1056.2	85.35	46.2	23.0
18.1	69.2	21780.0	1253.3	1069.9	85.37	46.9	23.0
18.1	70.2	21709.0	1268.5	1083.3	85.40	47.7	23.0
18.1	71.0	21643.0	1282.1	1095.0	85.40	48.3	23.0
18.0	72.6	21528.0	1308.0	1120.3	85.65	49.7	23.0
18.0	72.9	21508.0	1312.6	1123.3	85.57	49.9	23.0
18.0	74.1	21424.0	1330.6	1137.7	85.50	50.7	23.0
17.9	75.3	21332.0	1350.6	1152.4	85.33	51.6	23.0
17.9	76.6	21250.0	1369.9	1166.9	85.18	52.4	23.0
17.9	77.0	21204.0	1376.5	1171.9	85.14	52.8	23.0
17.8	78.3	21114.0	1396.3	1186.8	84.99	53.7	23.0
17.8	79.6	21022.0	1416.4	1202.2	84.88	54.6	23.0
17.8	80.5	20950.0	1431.1	1214.2	84.84	55.3	23.0
17.8	81.2	20896.0	1442.0	1222.9	84.80	55.9	23.0
17.7	82.1	20829.0	1455.4	1232.8	84.71	56.5	23.0
17.7	83.7	20718.0	1480.0	1252.0	84.60	57.7	23.0
17.7	83.8	20701.0	1482.1	1255.9	84.74	57.9	23.0
17.6	85.3	20595.0	1504.7	1271.8	84.52	59.0	23.0
17.6	86.3	20524.0	1519.5	1283.9	84.49	59.7	23.0
17.6	87.5	20441.0	1537.0	1299.5	84.55	60.7	23.0
17.5	88.4	20366.0	1551.9	1312.1	84.55	61.5	23.0
17.5	89.3	20301.0	1564.8	1323.3	84.56	62.2	23.0
17.5	90.1	20240.0	1575.5	1331.2	84.50	62.8	23.0



Datum : 06.12.2005 12:47:02
Bezeichnung : **HP 300/50/A1 S**
Seriennummer : 1205
Prüfnummer : 241105
Besonderes : future 32.80K

Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Wirkungsgrad [%]	Drehmoment [Ncm]	Temp. [°C]
21.3	41.2	26820.0	876.6	717.2	81.82	25.5	24.0
21.3	42.4	26726.0	900.3	741.2	82.33	26.5	24.0
21.2	43.3	26653.0	918.3	759.3	82.68	27.2	24.0
21.2	44.2	26575.0	937.0	777.8	83.00	27.9	24.0
21.2	45.3	26491.0	958.4	798.0	83.26	28.8	24.0
21.1	46.3	26410.0	977.9	817.1	83.55	29.5	24.0
21.1	47.2	26336.0	996.3	835.3	83.84	30.3	24.0
21.1	48.1	26264.0	1013.3	852.8	84.16	31.0	24.0
21.0	48.9	26195.0	1028.8	867.4	84.31	31.6	24.0
21.0	50.5	26078.0	1059.1	898.2	84.81	32.9	24.0
21.0	51.2	26017.0	1072.8	912.8	85.08	33.5	24.0
20.9	52.4	25926.0	1095.5	936.7	85.50	34.5	24.0
20.9	53.3	25853.0	1112.9	951.6	85.51	35.1	24.0
20.9	54.4	25769.0	1133.5	970.2	85.59	36.0	24.0
20.8	55.4	25686.0	1153.5	990.0	85.82	36.8	24.0
20.8	56.2	25623.0	1167.2	1002.7	85.90	37.4	24.0
20.7	57.5	25525.0	1192.4	1023.2	85.81	38.3	24.0
20.7	58.2	25465.0	1206.4	1036.8	85.94	38.9	24.0
20.7	59.4	25372.0	1229.0	1054.7	85.81	39.7	24.0
20.7	60.4	25295.0	1247.3	1069.0	85.70	40.4	24.0
20.6	61.1	25241.0	1259.3	1079.7	85.74	40.8	24.0
20.6	62.5	25131.0	1286.2	1103.1	85.77	41.9	24.0
20.6	63.4	25063.0	1302.0	1115.9	85.71	42.5	24.0
20.5	64.4	24977.0	1322.2	1134.0	85.77	43.4	24.0
20.5	65.3	24910.0	1338.2	1146.9	85.71	44.0	24.0
20.5	66.1	24847.0	1351.9	1159.0	85.74	44.5	24.0
20.4	67.7	24727.0	1381.5	1183.9	85.70	45.7	24.0
20.4	68.2	24680.0	1390.8	1192.5	85.74	46.1	24.0
20.4	69.4	24588.0	1413.1	1212.8	85.82	47.1	24.0
20.3	70.0	24534.0	1423.1	1222.4	85.90	47.6	24.0
20.3	71.6	24415.0	1452.7	1247.8	85.89	48.8	24.0
20.3	72.1	24370.0	1461.2	1255.3	85.91	49.2	24.0
20.2	73.3	24280.0	1481.6	1273.2	85.94	50.1	24.0
20.2	74.5	24186.0	1503.8	1292.6	85.96	51.0	24.0
20.2	75.4	24115.0	1519.4	1306.7	86.00	51.7	24.0
20.1	76.4	24036.0	1537.1	1321.1	85.95	52.5	24.0
20.1	77.0	23986.0	1547.1	1332.3	86.12	53.0	24.0
20.1	78.2	23887.0	1568.3	1350.5	86.11	54.0	24.0
20.0	79.7	23778.0	1594.9	1374.2	86.16	55.2	24.0
20.0	80.1	23746.0	1601.3	1380.7	86.22	55.5	24.0
20.0	81.5	23635.0	1627.3	1402.5	86.18	56.7	24.0
19.9	82.3	23569.0	1641.0	1413.1	86.11	57.3	24.0
19.9	83.4	23485.0	1659.4	1428.1	86.06	58.1	24.0
19.9	84.5	23402.0	1677.7	1443.0	86.01	58.9	24.0
19.8	85.1	23352.0	1687.7	1451.4	86.00	59.4	24.0
19.8	86.8	23223.0	1717.8	1475.8	85.91	60.7	24.0
19.8	87.0	23202.0	1721.2	1478.5	85.90	60.9	24.0
19.7	88.6	23086.0	1747.9	1499.3	85.77	62.0	24.0
19.7	89.3	23026.0	1759.7	1509.3	85.77	62.6	24.0
19.7	90.4	22939.0	1779.3	1524.3	85.67	63.5	24.0



Datum : 06.12.2005 12:47:17
Bezeichnung : **HP 300/50/A1 S**
Seriennummer : 1205
Prüfnummer : 241105
Besonderes : future 32.80K

Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Wirkungsgrad [%]	Drehmoment [Ncm]	Temp. [°C]
23.7	41.2	29821.0	975.1	793.0	81.32	25.4	24.0
23.6	42.2	29733.0	998.3	816.4	81.78	26.2	24.0
23.6	43.2	29648.0	1020.2	836.4	81.99	26.9	24.0
23.6	44.2	29564.0	1041.9	857.1	82.26	27.7	24.0
23.5	45.2	29483.0	1062.9	877.0	82.51	28.4	24.0
23.5	46.3	29391.0	1086.7	899.3	82.76	29.2	24.0
23.4	47.2	29309.0	1107.6	919.3	83.00	30.0	24.0
23.4	48.2	29229.0	1128.6	939.9	83.28	30.7	24.0
23.4	49.3	29140.0	1152.1	959.8	83.31	31.5	24.0
23.3	50.3	29056.0	1173.6	980.0	83.50	32.2	24.0
23.3	51.3	28972.0	1195.5	1001.2	83.75	33.0	24.0
23.3	52.2	28891.0	1215.6	1019.8	83.89	33.7	24.0
23.2	53.2	28808.0	1236.8	1039.3	84.04	34.5	24.0
23.2	54.4	28717.0	1260.7	1061.3	84.18	35.3	24.0
23.2	55.4	28626.0	1283.8	1081.7	84.25	36.1	24.0
23.1	56.2	28562.0	1299.5	1096.9	84.41	36.7	24.0
23.1	57.3	28472.0	1322.4	1115.9	84.39	37.4	24.0
23.0	58.3	28386.0	1344.7	1134.7	84.38	38.2	24.0
23.0	59.3	28303.0	1365.1	1151.6	84.36	38.9	24.0
23.0	60.4	28214.0	1387.9	1170.7	84.35	39.6	24.0
22.9	61.2	28145.0	1404.2	1184.1	84.33	40.2	24.0
22.9	62.5	28038.0	1432.1	1206.4	84.24	41.1	24.0
22.9	63.3	27974.0	1447.0	1221.9	84.45	41.7	24.0
22.8	64.4	27885.0	1469.7	1246.8	84.83	42.7	24.0
22.8	65.4	27799.0	1490.8	1266.7	84.97	43.5	24.0
22.8	66.4	27720.0	1510.1	1285.0	85.09	44.3	24.0
22.7	67.3	27638.0	1529.8	1303.8	85.22	45.0	24.0
22.7	68.3	27558.0	1550.0	1322.5	85.33	45.8	24.0
22.7	69.4	27468.0	1572.2	1346.5	85.65	46.8	24.0
22.6	70.4	27385.0	1591.9	1366.9	85.86	47.7	24.0
22.6	71.4	27304.0	1612.2	1386.9	86.02	48.5	24.0
22.5	72.4	27220.0	1631.9	1408.6	86.32	49.4	24.0
22.5	73.3	27146.0	1649.9	1426.3	86.44	50.2	24.0
22.5	74.1	27074.0	1665.8	1442.2	86.57	50.9	24.0
22.4	75.6	26954.0	1696.4	1472.4	86.80	52.2	24.0
22.4	76.2	26906.0	1707.1	1482.3	86.83	52.6	24.0
22.4	77.5	26800.0	1732.9	1506.4	86.93	53.7	24.0
22.3	78.4	26725.0	1750.0	1524.0	87.09	54.5	24.0
22.3	79.4	26643.0	1769.4	1539.1	86.98	55.2	24.0
22.3	80.5	26553.0	1791.4	1558.6	87.01	56.1	24.0
22.2	81.3	26483.0	1807.3	1570.8	86.91	56.6	24.0
22.2	82.5	26387.0	1830.5	1588.6	86.79	57.5	24.0
22.2	83.3	26318.0	1845.6	1601.0	86.75	58.1	24.0
22.1	84.6	26216.0	1870.2	1619.5	86.60	59.0	24.0
22.1	85.2	26157.0	1882.8	1632.6	86.71	59.6	24.0
22.0	86.6	26052.0	1908.2	1650.6	86.50	60.5	24.0
22.0	87.3	25988.0	1921.7	1661.6	86.46	61.1	24.0
22.0	88.5	25890.0	1945.4	1677.8	86.25	61.9	24.0
22.0	89.2	25831.0	1957.9	1687.0	86.16	62.4	24.0
21.9	90.6	25720.0	1984.5	1706.9	86.01	63.4	24.0



Datum : 06.12.2005 12:47:29
Bezeichnung : **HP 300/50/A1 S**
Seriennummer : 1205
Prüfnummer : 241105
Besonderes : future 32.80K

Spannung [V]	Strom [A]	Drehzahl [U/min]	Pin [W]	Pout [W]	Wirkungsgrad [%]	Drehmoment [Ncm]	Temp. [°C]
26.1	41.1	32935.0	1072.6	870.4	81.15	25.2	24.0
26.0	42.2	32841.0	1098.3	894.7	81.47	26.0	24.0
26.0	43.2	32753.0	1122.3	917.8	81.78	26.8	24.0
26.0	44.2	32658.0	1147.8	941.9	82.06	27.5	24.0
25.9	45.2	32572.0	1171.0	963.5	82.28	28.2	24.0
25.9	46.2	32485.0	1194.6	987.9	82.69	29.0	24.0
25.8	47.2	32388.0	1220.6	1012.2	82.93	29.8	24.0
25.8	48.2	32301.0	1244.3	1033.8	83.09	30.6	24.0
25.8	49.2	32211.0	1268.4	1057.7	83.39	31.4	24.0
25.7	50.2	32126.0	1291.2	1078.3	83.51	32.1	24.0
25.7	51.2	32033.0	1316.2	1102.6	83.77	32.9	24.0
25.6	52.2	31944.0	1339.0	1124.4	83.97	33.6	24.0
25.6	53.4	31881.0	1366.9	1150.6	84.17	34.5	24.0
25.6	54.2	31772.0	1385.6	1168.2	84.31	35.1	24.0
25.5	55.3	31671.0	1412.3	1194.4	84.57	36.0	24.0
25.5	56.3	31587.0	1434.2	1214.6	84.69	36.7	24.0
25.4	57.2	31501.0	1456.7	1235.5	84.81	37.5	24.0
25.4	58.3	31407.0	1481.5	1258.6	84.95	38.3	24.0
25.4	59.4	31316.0	1505.8	1280.1	85.01	39.0	24.0
25.3	60.4	31226.0	1528.8	1302.4	85.19	39.8	24.0
25.3	61.2	31149.0	1549.1	1319.1	85.15	40.4	24.0
25.3	62.4	31052.0	1574.4	1342.7	85.28	41.3	24.0
25.2	63.3	30966.0	1596.5	1363.5	85.41	42.0	24.0
25.2	64.4	30877.0	1620.1	1384.8	85.48	42.8	24.0
25.1	65.2	30803.0	1638.1	1401.2	85.54	43.4	24.0
25.1	66.4	30692.0	1667.0	1427.8	85.65	44.4	24.0
25.1	67.5	30598.0	1690.9	1448.4	85.66	45.2	24.0
25.0	68.2	30533.0	1706.7	1463.4	85.74	45.8	24.0
25.0	69.4	30434.0	1732.3	1486.9	85.83	46.7	24.0
24.9	70.4	30344.0	1754.5	1506.6	85.87	47.4	24.0
24.9	71.3	30262.0	1775.1	1524.9	85.91	48.1	24.0
24.9	72.4	30163.0	1800.1	1547.6	85.97	49.0	24.0
24.8	73.3	30083.0	1819.6	1565.1	86.01	49.7	24.0
24.8	74.4	29988.0	1843.8	1585.0	85.96	50.5	24.0
24.7	75.3	29904.0	1863.8	1603.1	86.01	51.2	24.0
24.7	76.2	29826.0	1883.5	1619.9	86.00	51.9	24.0
24.7	77.4	29727.0	1908.0	1640.7	85.99	52.7	24.0
24.6	78.2	29649.0	1925.7	1656.5	86.02	53.4	24.0
24.6	79.5	29537.0	1954.4	1681.4	86.03	54.4	24.0
24.6	80.2	29476.0	1967.7	1694.2	86.10	54.9	24.0
24.5	81.5	29361.0	1996.7	1718.6	86.07	55.9	24.0
24.5	82.4	29286.0	2015.7	1734.5	86.05	56.6	24.0
24.4	83.5	29184.0	2039.7	1758.1	86.19	57.5	24.0
24.4	84.2	29117.0	2055.0	1770.9	86.18	58.1	24.0
24.3	85.6	29003.0	2083.1	1796.1	86.22	59.1	24.0
24.3	86.2	28948.0	2095.4	1806.9	86.23	59.6	24.0
24.3	87.4	28836.0	2122.1	1830.3	86.25	60.6	24.0
24.2	88.6	28736.0	2146.6	1851.0	86.23	61.5	24.0
24.2	89.2	28672.0	2160.2	1862.4	86.21	62.0	24.0
24.2	90.6	28562.0	2187.6	1885.1	86.17	63.0	24.0