

Report calculated on Test Bench Results

Motor type: **NOVA 15-20-B4 P30**

Date: 25.03.2024

Bearing type: regular

Controller: Common ESC

Measuring Parameter

Voltage: **15.0 [V]**

Throttle setting: 100%

Calculated Motor Constants

nl: 3,826.7 [RPM] lo: 9.8 [A] kv: 259.1 [RPM/V] kn: -6.11 [RPM/A] kT: 4.29 [Ncm/A]

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency ¹ [%]
15.0	30.0	3,703.3	450.0	335.8	86.6	74.63
15.0	36.0	3,666.6	540.0	431.2	112.3	79.85
15.0	42.0	3,630.0	630.0	525.0	138.1	83.33
15.0	48.0	3,593.3	720.0	616.4	163.8	85.61
15.0	54.0	3,556.6	810.0	705.8	189.5	87.13
14.9	60.0	3,520.0	894.0	793.3	215.2	88.73
14.9	66.0	3,483.3	983.4	879.1	241.0	89.39
14.9	72.0	3,446.6	1,072.8	962.6	266.7	89.73
14.9	78.0	3,410.0	1,162.2	1,044.1	292.4	89.84
14.9	84.0	3,373.3	1,251.6	1,124.0	318.2	89.81
14.9	90.0	3,336.7	1,341.0	1,201.6	343.9	89.61
14.9	96.0	3,300.0	1,430.4	1,277.2	369.6	89.29
14.9	102.0	3,263.3	1,519.8	1,350.9	395.3	88.88
14.9	108.0	3,226.7	1,609.2	1,422.9	421.1	88.42
14.9	114.0	3,190.0	1,698.6	1,492.6	446.8	87.87
14.9	120.0	3,153.3	1,788.0	1,560.3	472.5	87.26
14.9	126.0	3,116.7	1,877.4	1,626.4	498.3	86.63
14.9	132.0	3,080.0	1,966.8	1,690.1	524.0	85.93
14.9	138.0	3,043.3	2,056.2	1,751.9	549.7	85.20
14.9	144.0	3,006.7	2,145.6	1,811.7	575.4	84.44
14.9	150.0	2,970.0	2,235.0	1,869.8	601.2	83.66
14.9	156.0	2,933.4	2,324.4	1,925.7	626.9	82.85
14.9	162.0	2,896.7	2,413.8	1,979.6	652.6	82.01
14.8	168.0	2,860.0	2,486.4	2,031.8	678.4	81.72
14.8	174.0	2,823.4	2,575.2	2,081.8	704.1	80.84
14.8	180.0	2,786.7	2,664.0	2,129.7	729.8	79.94

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency ¹ [%]
14.8	186.0	2,750.0	2,752.8	2,175.7	755.5	79.04
14.8	192.0	2,713.4	2,841.6	2,220.0	781.3	78.13
14.8	198.0	2,676.7	2,930.4	2,262.0	807.0	77.19
14.8	204.0	2,640.0	3,019.2	2,302.1	832.7	76.25
14.8	210.0	2,603.4	3,108.0	2,340.5	858.5	75.31
14.8	216.0	2,566.7	3,196.8	2,376.6	884.2	74.34
14.8	222.0	2,530.1	3,285.6	2,410.8	909.9	73.37
14.8	228.0	2,493.4	3,374.4	2,442.9	935.6	72.40
14.8	234.0	2,456.7	3,463.2	2,473.3	961.4	71.42
14.8	240.0	2,420.1	3,552.0	2,501.6	987.1	70.43
14.8	246.0	2,383.4	3,640.8	2,527.8	1,012.8	69.43
14.8	252.0	2,346.7	3,729.6	2,552.1	1,038.5	68.43
14.8	258.0	2,310.1	3,818.4	2,574.7	1,064.3	67.43
14.8	264.0	2,273.4	3,907.2	2,595.0	1,090.0	66.41
14.8	270.0	2,236.7	3,996.0	2,613.3	1,115.7	65.40
14.7	276.0	2,200.1	4,057.2	2,629.9	1,141.5	64.82
14.7	282.0	2,163.4	4,145.4	2,644.3	1,167.2	63.79
14.7	288.0	2,126.8	4,233.6	2,656.8	1,192.9	62.76
14.7	294.0	2,090.1	4,321.8	2,667.2	1,218.6	61.72
14.7	300.0	2,053.4	4,410.0	2,675.9	1,244.4	60.68
14.7	306.0	2,016.8	4,498.2	2,682.4	1,270.1	59.63
14.7	312.0	1,980.1	4,586.4	2,686.9	1,295.8	58.58
14.7	318.0	1,943.4	4,674.6	2,689.6	1,321.6	57.54
14.7	324.0	1,906.8	4,762.8	2,690.3	1,347.3	56.49
14.7	330.0	1,870.1	4,851.0	2,688.8	1,373.0	55.43
14.7	336.0	1,833.4	4,939.2	2,685.4	1,398.7	54.37
14.7	342.0	1,796.8	5,027.4	2,680.3	1,424.5	53.31
14.7	348.0	1,760.1	5,115.6	2,673.0	1,450.2	52.25
14.7	354.0	1,723.5	5,203.8	2,663.8	1,475.9	51.19
14.7	360.0	1,686.8	5,292.0	2,652.6	1,501.7	50.13

nl = rpm with no load

lo = current with no load

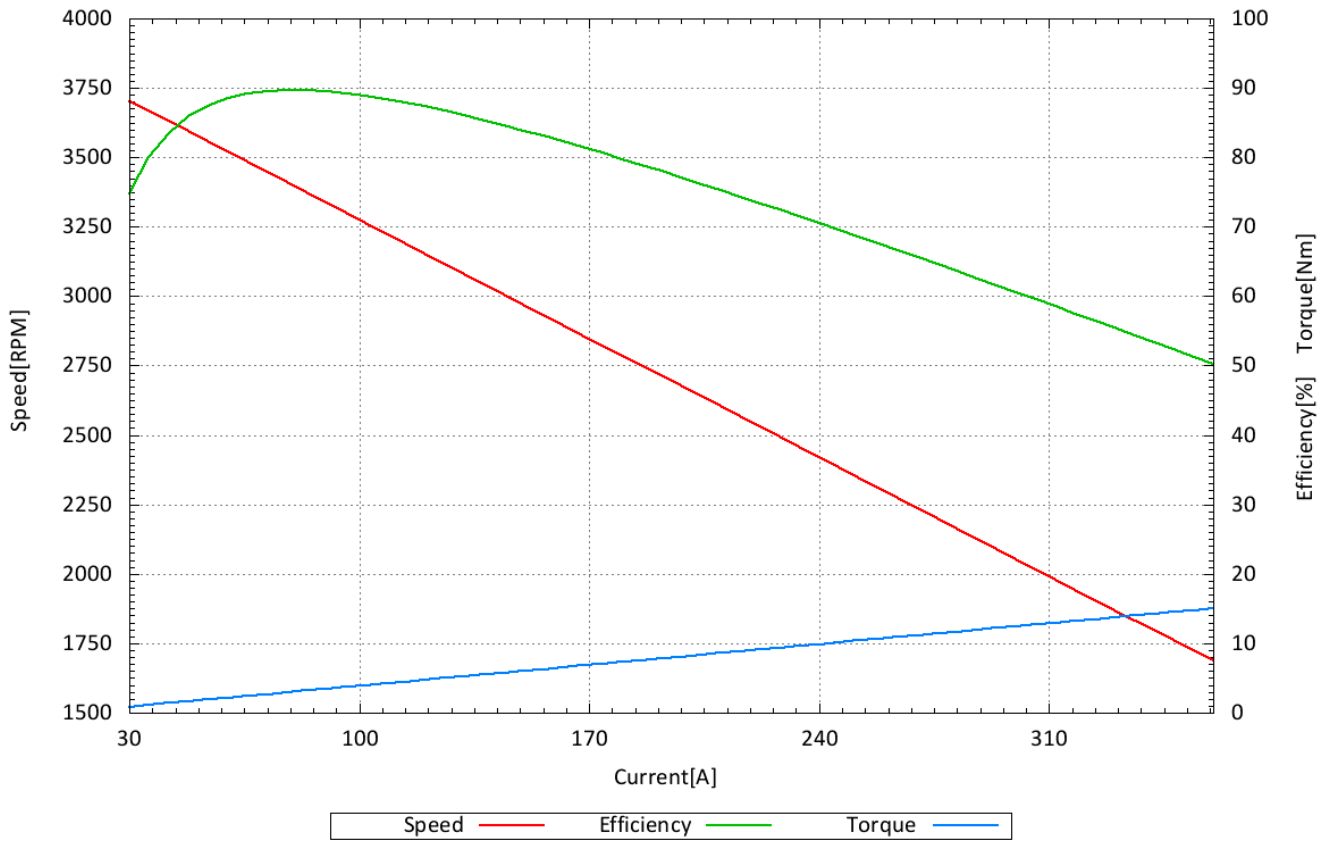
kV = specific rpm

kn = rpm drop per Amp

kT = torque constant

¹ incl. Controller

HP875_20_B4_P30_15V_25032024



Report calculated on Test Bench Results

Motor type: **NOVA 15-20-B4 P30**

Date: 25.03.2024

Bearing type: regular

Controller: Common ESC

Measuring Parameter

Voltage: **20.0 [V]**

Throttle setting: 100%

Calculated Motor Constants

nl: 5,052.9 [RPM] lo: 7.5 [A] kv: 255.2 [RPM/V] kn: -6.88 [RPM/A] kT: 4.23 [Ncm/A]

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency ¹ [%]
20.0	30.0	4,898.1	600.0	488.3	95.2	81.38
20.0	36.0	4,856.8	720.0	612.9	120.5	85.12
20.0	42.0	4,815.5	840.0	735.7	145.9	87.59
19.9	48.0	4,774.3	955.2	856.4	171.3	89.66
19.9	54.0	4,733.0	1,074.6	974.9	196.7	90.72
19.9	60.0	4,691.7	1,194.0	1,091.2	222.1	91.39
19.9	66.0	4,650.4	1,313.4	1,204.8	247.4	91.73
19.9	72.0	4,609.1	1,432.8	1,316.7	272.8	91.90
19.9	78.0	4,567.9	1,552.2	1,426.4	298.2	91.90
19.9	84.0	4,526.6	1,671.6	1,533.9	323.6	91.76
19.9	90.0	4,485.3	1,791.0	1,639.3	349.0	91.53
19.9	96.0	4,444.0	1,910.4	1,741.9	374.3	91.18
19.9	102.0	4,402.7	2,029.8	1,842.8	399.7	90.79
19.9	108.0	4,361.4	2,149.2	1,941.5	425.1	90.34
19.9	114.0	4,320.2	2,268.6	2,038.1	450.5	89.84
19.9	120.0	4,278.9	2,388.0	2,132.4	475.9	89.30
19.9	126.0	4,237.6	2,507.4	2,224.1	501.2	88.70
19.9	132.0	4,196.3	2,626.8	2,314.1	526.6	88.09
19.8	138.0	4,155.0	2,732.4	2,401.8	552.0	87.90
19.8	144.0	4,113.8	2,851.2	2,487.4	577.4	87.24
19.8	150.0	4,072.5	2,970.0	2,570.8	602.8	86.56
19.8	156.0	4,031.2	3,088.8	2,651.5	628.1	85.84
19.8	162.0	3,989.9	3,207.6	2,730.5	653.5	85.12
19.8	168.0	3,948.6	3,326.4	2,807.2	678.9	84.39
19.8	174.0	3,907.4	3,445.2	2,881.9	704.3	83.65
19.8	180.0	3,866.1	3,564.0	2,954.2	729.7	82.89

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency ¹ [%]
19.8	186.0	3,824.8	3,682.8	3,024.4	755.1	82.12
19.8	192.0	3,783.5	3,801.6	3,092.0	780.4	81.33
19.8	198.0	3,742.2	3,920.4	3,157.8	805.8	80.55
19.8	204.0	3,701.0	4,039.2	3,221.5	831.2	79.75
19.8	210.0	3,659.7	4,158.0	3,282.9	856.6	78.95
19.8	216.0	3,618.4	4,276.8	3,342.1	882.0	78.14
19.7	222.0	3,577.1	4,373.4	3,398.7	907.3	77.71
19.7	228.0	3,535.8	4,491.6	3,453.5	932.7	76.89
19.7	234.0	3,494.5	4,609.8	3,506.1	958.1	76.06
19.7	240.0	3,453.3	4,728.0	3,556.6	983.5	75.22
19.7	246.0	3,412.0	4,846.2	3,604.8	1,008.9	74.38
19.7	252.0	3,370.7	4,964.4	3,650.5	1,034.2	73.53
19.7	258.0	3,329.4	5,082.6	3,694.3	1,059.6	72.69
19.7	264.0	3,288.1	5,200.8	3,736.0	1,085.0	71.83
19.7	270.0	3,246.9	5,319.0	3,775.5	1,110.4	70.98
19.7	276.0	3,205.6	5,437.2	3,812.8	1,135.8	70.12
19.7	282.0	3,164.3	5,555.4	3,847.5	1,161.1	69.26
19.7	288.0	3,123.0	5,673.6	3,880.3	1,186.5	68.39
19.7	294.0	3,081.7	5,791.8	3,911.0	1,211.9	67.53
19.7	300.0	3,040.5	5,910.0	3,939.6	1,237.3	66.66
19.7	306.0	2,999.2	6,028.2	3,965.8	1,262.7	65.79
19.6	312.0	2,957.9	6,115.2	3,989.6	1,288.0	65.24
19.6	318.0	2,916.6	6,232.8	4,011.5	1,313.4	64.36
19.6	324.0	2,875.3	6,350.4	4,031.1	1,338.8	63.48
19.6	330.0	2,834.1	6,468.0	4,048.8	1,364.2	62.60
19.6	336.0	2,792.8	6,585.6	4,064.0	1,389.6	61.71
19.6	342.0	2,751.5	6,703.2	4,076.8	1,414.9	60.82
19.6	348.0	2,710.2	6,820.8	4,087.7	1,440.3	59.93
19.6	354.0	2,668.9	6,938.4	4,096.4	1,465.7	59.04
19.6	360.0	2,627.7	7,056.0	4,103.1	1,491.1	58.15

nl = rpm with no load

lo = current with no load

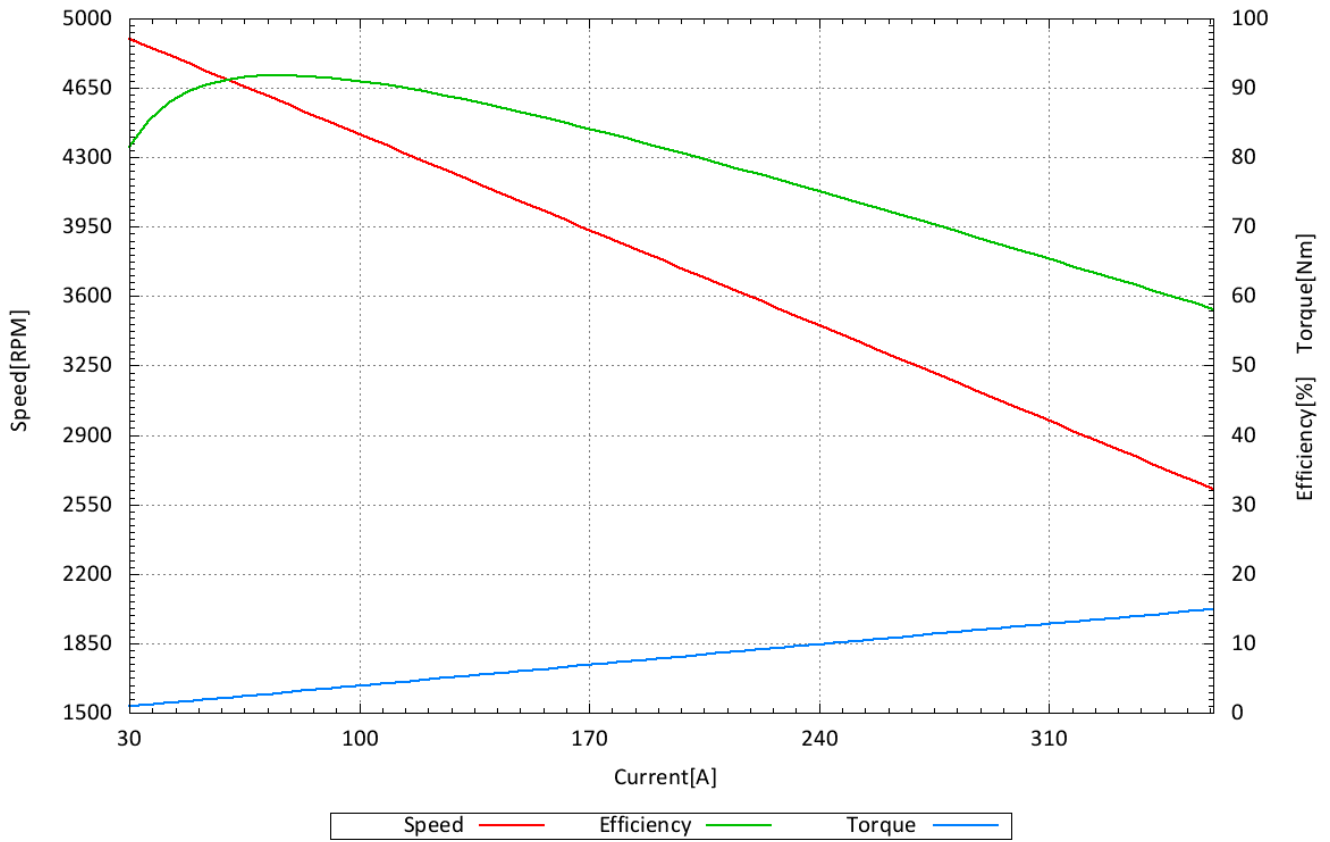
kV = specific rpm

kn = rpm drop per Amp

kT = torque constant

¹ incl. Controller

HP875_20_B4_P30_20V_25032024



Report calculated on Test Bench Results

Motor type: **NOVA 15-20-B4 P30**

Date: 25.03.2024

Bearing type: regular

Controller: Common ESC

Measuring Parameter

Voltage: **25.0 [V]**

Throttle setting: 100%

Calculated Motor Constants

nl: 6,252.5 [RPM] lo: 9.9 [A] kv: 253.2 [RPM/V] kn: -7.77 [RPM/A] kT: 4.31 [Ncm/A]

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency ¹ [%]
25.0	30.0	6,096.7	750.0	551.6	86.4	73.55
25.0	36.0	6,050.1	900.0	711.5	112.3	79.05
25.0	42.0	6,003.4	1,050.0	868.2	138.1	82.69
25.0	48.0	5,956.8	1,200.0	1,023.0	164.0	85.25
25.0	54.0	5,910.2	1,350.0	1,174.7	189.8	87.01
25.0	60.0	5,863.6	1,500.0	1,324.5	215.7	88.30
24.9	66.0	5,817.0	1,643.4	1,471.7	241.6	89.55
24.9	72.0	5,770.4	1,792.8	1,615.8	267.4	90.13
24.9	78.0	5,723.8	1,942.2	1,758.0	293.3	90.52
24.9	84.0	5,677.1	2,091.6	1,897.1	319.1	90.70
24.9	90.0	5,630.5	2,241.0	2,034.2	345.0	90.77
24.9	96.0	5,583.9	2,390.4	2,168.2	370.8	90.71
24.9	102.0	5,537.3	2,539.8	2,300.3	396.7	90.57
24.9	108.0	5,490.7	2,689.2	2,429.3	422.5	90.34
24.9	114.0	5,444.1	2,838.6	2,556.4	448.4	90.06
24.9	120.0	5,397.5	2,988.0	2,680.3	474.2	89.70
24.9	126.0	5,350.8	3,137.4	2,802.2	500.1	89.32
24.9	132.0	5,304.2	3,286.8	2,921.1	525.9	88.87
24.9	138.0	5,257.6	3,436.2	3,038.1	551.8	88.41
24.9	144.0	5,211.0	3,585.6	3,151.9	577.6	87.91
24.9	150.0	5,164.4	3,735.0	3,263.8	603.5	87.38
24.9	156.0	5,117.8	3,884.4	3,372.6	629.3	86.83
24.9	162.0	5,071.2	4,033.8	3,479.5	655.2	86.26
24.9	168.0	5,024.5	4,183.2	3,583.2	681.0	85.66
24.9	174.0	4,977.9	4,332.6	3,685.0	706.9	85.05
24.9	180.0	4,931.3	4,482.0	3,783.7	732.7	84.42

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency ¹ [%]
24.8	186.0	4,884.7	4,612.8	3,880.4	758.6	84.12
24.8	192.0	4,838.1	4,761.6	3,974.6	784.5	83.47
24.8	198.0	4,791.5	4,910.4	4,065.8	810.3	82.80
24.8	204.0	4,744.9	5,059.2	4,155.0	836.2	82.13
24.8	210.0	4,698.2	5,208.0	4,241.0	862.0	81.43
24.8	216.0	4,651.6	5,356.8	4,325.1	887.9	80.74
24.8	222.0	4,605.0	5,505.6	4,406.2	913.7	80.03
24.8	228.0	4,558.4	5,654.4	4,485.2	939.6	79.32
24.8	234.0	4,511.8	5,803.2	4,561.3	965.4	78.60
24.8	240.0	4,465.2	5,952.0	4,635.3	991.3	77.88
24.8	246.0	4,418.6	6,100.8	4,706.3	1,017.1	77.14
24.8	252.0	4,371.9	6,249.6	4,775.1	1,043.0	76.41
24.8	258.0	4,325.3	6,398.4	4,841.1	1,068.8	75.66
24.8	264.0	4,278.7	6,547.2	4,905.0	1,094.7	74.92
24.8	270.0	4,232.1	6,696.0	4,965.9	1,120.5	74.16
24.8	276.0	4,185.5	6,844.8	5,024.7	1,146.4	73.41
24.8	282.0	4,138.9	6,993.6	5,080.6	1,172.2	72.65
24.8	288.0	4,092.2	7,142.4	5,134.3	1,198.1	71.88
24.8	294.0	4,045.6	7,291.2	5,185.1	1,223.9	71.11
24.8	300.0	3,999.0	7,440.0	5,233.8	1,249.8	70.35
24.8	306.0	3,952.4	7,588.8	5,279.6	1,275.6	69.57
24.7	312.0	3,905.8	7,706.4	5,323.3	1,301.5	69.08
24.7	318.0	3,859.2	7,854.6	5,364.5	1,327.4	68.30
24.7	324.0	3,812.6	8,002.8	5,402.7	1,353.2	67.51
24.7	330.0	3,765.9	8,151.0	5,438.7	1,379.1	66.72
24.7	336.0	3,719.3	8,299.2	5,471.9	1,404.9	65.93
24.7	342.0	3,672.7	8,447.4	5,502.9	1,430.8	65.14
24.7	348.0	3,626.1	8,595.6	5,531.1	1,456.6	64.35
24.7	354.0	3,579.5	8,743.8	5,557.1	1,482.5	63.55
24.7	360.0	3,532.9	8,892.0	5,580.2	1,508.3	62.75

nl = rpm with no load

lo = current with no load

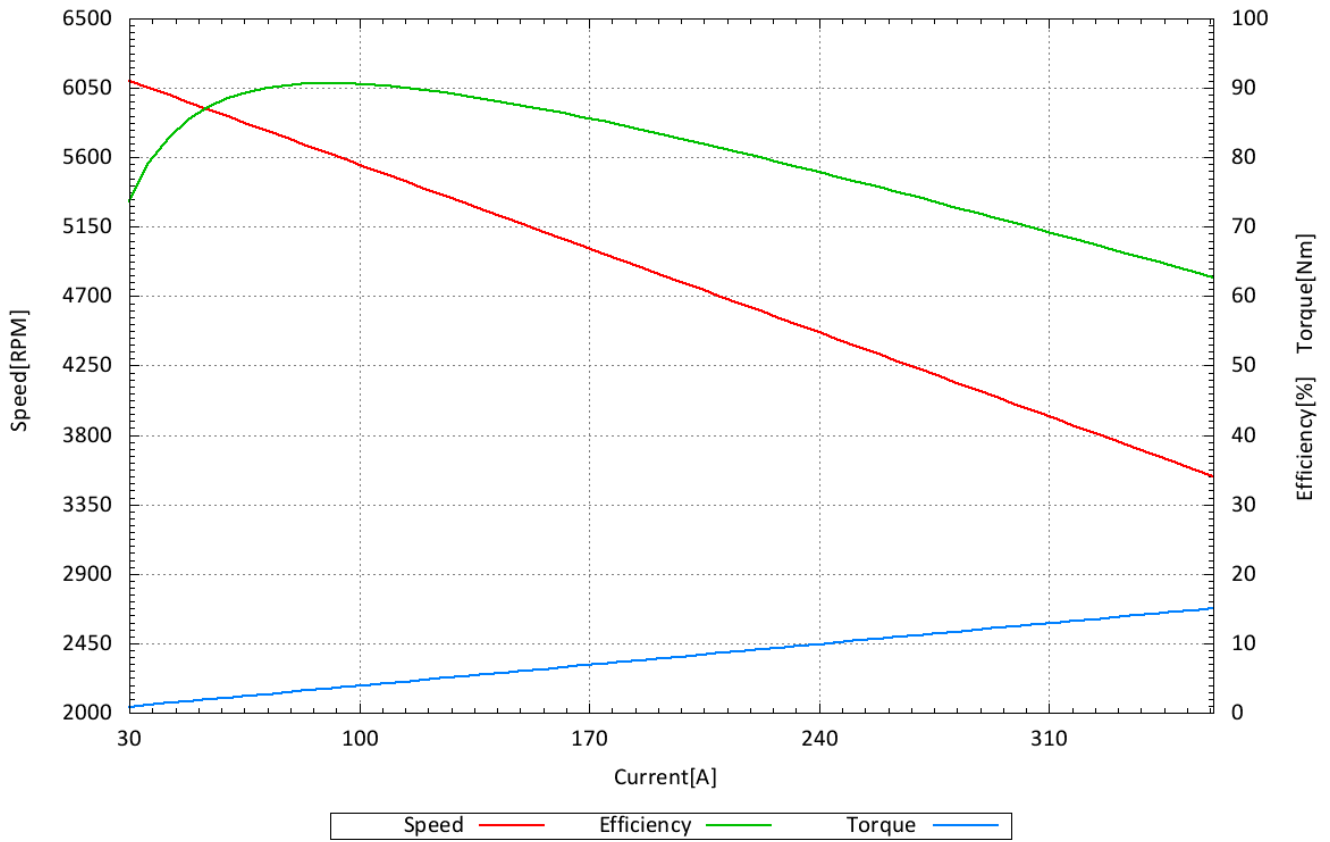
kV = specific rpm

kn = rpm drop per Amp

kT = torque constant

¹ incl. Controller

HP875_20_B4_P30_25V_25032024



Report calculated on Test Bench Results

Motor type: **NOVA 15-20-B4 P30**

Date: 25.03.2024

Bearing type: regular

Controller: Common ESC

Measuring Parameter

Voltage: **30.0 [V]**

Throttle setting: 100%

Calculated Motor Constants

nl: 7,453.7 [RPM] lo: 9.9 [A] kv: 251.2 [RPM/V] kn: -8.44 [RPM/A] kT: 4.28 [Ncm/A]

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency ¹ [%]
30.0	30.0	7,284.2	900.0	655.2	85.9	72.80
30.0	36.0	7,233.6	1,080.0	845.4	111.6	78.28
30.0	42.0	7,183.0	1,260.0	1,032.8	137.3	81.97
29.9	48.0	7,132.3	1,435.2	1,216.7	162.9	84.77
29.9	54.0	7,081.7	1,614.6	1,398.6	188.6	86.62
29.9	60.0	7,031.1	1,794.0	1,577.9	214.3	87.95
29.9	66.0	6,980.5	1,973.4	1,753.7	239.9	88.86
29.9	72.0	6,929.8	2,152.8	1,927.4	265.6	89.53
29.9	78.0	6,879.2	2,332.2	2,098.5	291.3	89.98
29.9	84.0	6,828.6	2,511.6	2,266.1	316.9	90.23
29.9	90.0	6,778.0	2,691.0	2,431.7	342.6	90.37
29.9	96.0	6,727.3	2,870.4	2,593.9	368.2	90.37
29.9	102.0	6,676.7	3,049.8	2,754.1	393.9	90.30
29.9	108.0	6,626.1	3,229.2	2,911.5	419.6	90.16
29.9	114.0	6,575.5	3,408.6	3,065.6	445.2	89.94
29.9	120.0	6,524.9	3,588.0	3,217.6	470.9	89.68
29.9	126.0	6,474.2	3,767.4	3,366.8	496.6	89.37
29.9	132.0	6,423.6	3,946.8	3,512.7	522.2	89.00
29.9	138.0	6,373.0	4,126.2	3,656.6	547.9	88.62
29.8	144.0	6,322.4	4,291.2	3,797.7	573.6	88.50
29.8	150.0	6,271.7	4,470.0	3,935.4	599.2	88.04
29.8	156.0	6,221.1	4,648.8	4,071.0	624.9	87.57
29.8	162.0	6,170.5	4,827.6	4,204.0	650.6	87.08
29.8	168.0	6,119.9	5,006.4	4,333.6	676.2	86.56
29.8	174.0	6,069.2	5,185.2	4,461.0	701.9	86.03
29.8	180.0	6,018.6	5,364.0	4,585.2	727.5	85.48

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency ¹ [%]
29.8	186.0	5,968.0	5,542.8	4,707.3	753.2	84.93
29.8	192.0	5,917.4	5,721.6	4,826.6	778.9	84.36
29.8	198.0	5,866.8	5,900.4	4,942.6	804.5	83.77
29.8	204.0	5,816.1	6,079.2	5,056.4	830.2	83.18
29.8	210.0	5,765.5	6,258.0	5,167.6	855.9	82.58
29.8	216.0	5,714.9	6,436.8	5,275.5	881.5	81.96
29.8	222.0	5,664.3	6,615.6	5,381.2	907.2	81.34
29.8	228.0	5,613.6	6,794.4	5,484.1	932.9	80.71
29.7	234.0	5,563.0	6,949.8	5,583.8	958.5	80.34
29.7	240.0	5,512.4	7,128.0	5,681.4	984.2	79.70
29.7	246.0	5,461.8	7,306.2	5,776.2	1,009.9	79.06
29.7	252.0	5,411.2	7,484.4	5,867.8	1,035.5	78.40
29.7	258.0	5,360.5	7,662.6	5,957.0	1,061.2	77.74
29.7	264.0	5,309.9	7,840.8	6,043.7	1,086.9	77.08
29.7	270.0	5,259.3	8,019.0	6,127.1	1,112.5	76.41
29.7	276.0	5,208.7	8,197.2	6,208.4	1,138.2	75.74
29.7	282.0	5,158.0	8,375.4	6,286.2	1,163.8	75.06
29.7	288.0	5,107.4	8,553.6	6,362.0	1,189.5	74.38
29.7	294.0	5,056.8	8,731.8	6,435.1	1,215.2	73.70
29.7	300.0	5,006.2	8,910.0	6,504.9	1,240.8	73.01
29.7	306.0	4,955.5	9,088.2	6,572.4	1,266.5	72.32
29.7	312.0	4,904.9	9,266.4	6,637.3	1,292.2	71.63
29.7	318.0	4,854.3	9,444.6	6,698.9	1,317.8	70.93
29.6	324.0	4,803.7	9,590.4	6,758.4	1,343.5	70.47
29.6	330.0	4,753.1	9,768.0	6,815.1	1,369.2	69.77
29.6	336.0	4,702.4	9,945.6	6,868.5	1,394.8	69.06
29.6	342.0	4,651.8	10,123.2	6,919.8	1,420.5	68.36
29.6	348.0	4,601.2	10,300.8	6,968.3	1,446.2	67.65
29.6	354.0	4,550.6	10,478.4	7,013.7	1,471.8	66.93
29.6	360.0	4,499.9	10,656.0	7,056.6	1,497.5	66.22

nl = rpm with no load

lo = current with no load

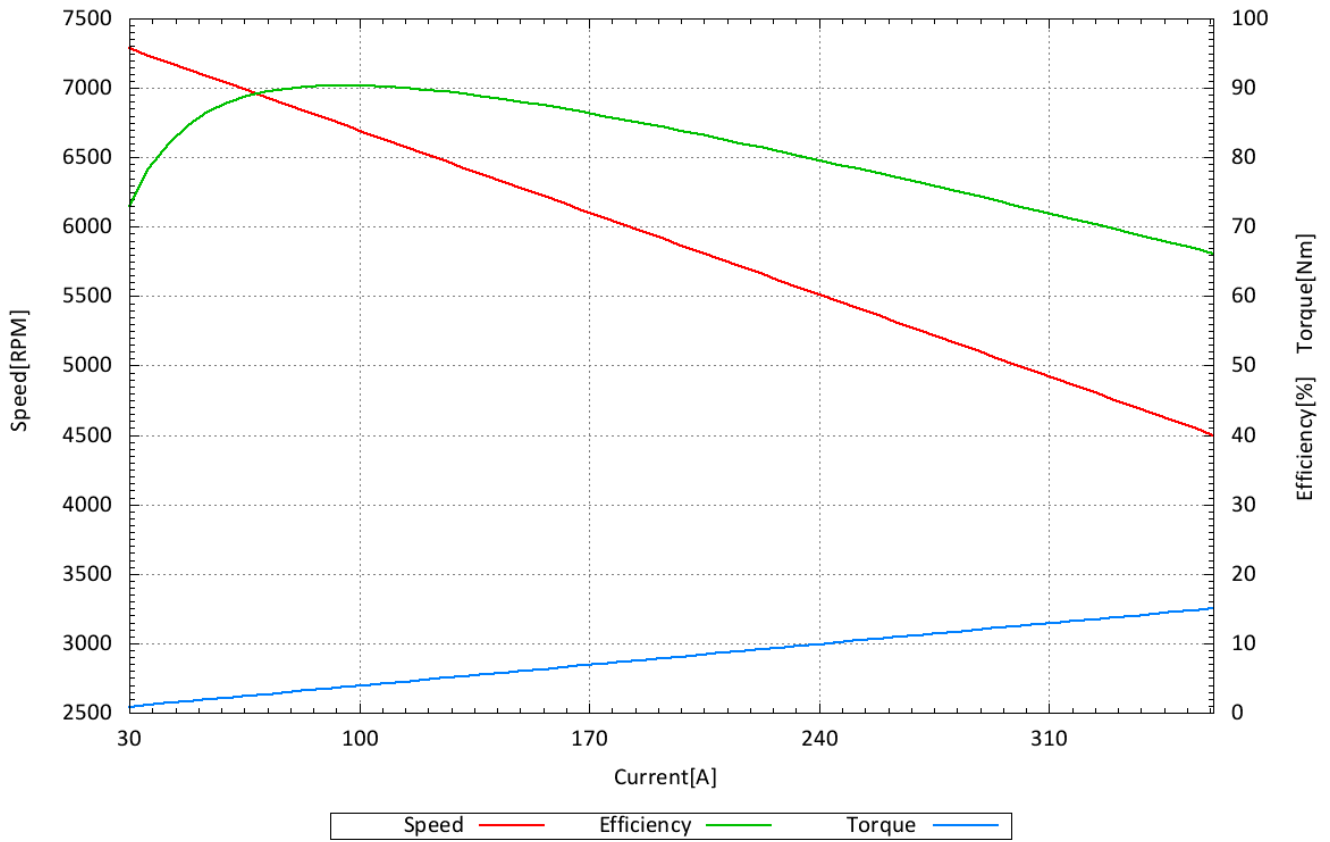
kV = specific rpm

kn = rpm drop per Amp

kT = torque constant

¹ incl. Controller

HP875_20_B4_P30_30V_25032024



Report calculated on Test Bench Results

Motor type: **NOVA 15-20-B4 P30**

Date: 12.04.2024

Bearing type: regular

Controller: Common ESC

Measuring Parameter

Voltage: **36.0 [V]**

Throttle setting: 100%

Calculated Motor Constants

nl: 8,900.7 [RPM] lo: 13.3 [A] kv: 250.8 [RPM/V] kn: -9.62 [RPM/A] kT: 4.40 [Ncm/A]

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency ¹ [%]
36.0	30.0	8,740.0	1,080.0	673.6	73.6	62.37
36.0	36.0	8,682.3	1,296.0	909.2	100.0	70.15
36.0	42.0	8,624.6	1,512.0	1,142.5	126.5	75.56
36.0	48.0	8,566.9	1,728.0	1,371.7	152.9	79.38
36.0	54.0	8,509.2	1,944.0	1,597.7	179.3	82.19
36.0	60.0	8,451.5	2,160.0	1,820.5	205.7	84.28
36.0	66.0	8,393.8	2,376.0	2,041.0	232.2	85.90
36.0	72.0	8,336.1	2,592.0	2,257.5	258.6	87.09
36.0	78.0	8,278.4	2,808.0	2,470.7	285.0	87.99
36.0	84.0	8,220.7	3,024.0	2,681.6	311.5	88.68
36.0	90.0	8,163.0	3,240.0	2,888.5	337.9	89.15
36.0	96.0	8,105.3	3,456.0	3,092.1	364.3	89.47
36.0	102.0	8,047.6	3,672.0	3,292.6	390.7	89.67
36.0	108.0	7,989.9	3,888.0	3,490.7	417.2	89.78
36.0	114.0	7,932.2	4,104.0	3,684.8	443.6	89.79
36.0	120.0	7,874.5	4,320.0	3,875.7	470.0	89.72
36.0	126.0	7,816.9	4,536.0	4,064.3	496.5	89.60
36.0	132.0	7,759.2	4,752.0	4,248.8	522.9	89.41
36.0	138.0	7,701.5	4,968.0	4,430.1	549.3	89.17
36.0	144.0	7,643.8	5,184.0	4,608.2	575.7	88.89
36.0	150.0	7,586.1	5,400.0	4,784.0	602.2	88.59
36.0	156.0	7,528.4	5,616.0	4,955.7	628.6	88.24
36.0	162.0	7,470.7	5,832.0	5,124.3	655.0	87.86
36.0	168.0	7,413.0	6,048.0	5,290.4	681.5	87.47
36.0	174.0	7,355.3	6,264.0	5,452.6	707.9	87.05
36.0	180.0	7,297.6	6,480.0	5,611.5	734.3	86.60

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency ¹ [%]
36.0	186.0	7,239.9	6,696.0	5,767.3	760.7	86.13
36.0	192.0	7,182.2	6,912.0	5,920.7	787.2	85.66
36.0	198.0	7,124.5	7,128.0	6,070.1	813.6	85.16
35.9	204.0	7,066.8	7,323.6	6,216.3	840.0	84.88
35.9	210.0	7,009.1	7,539.0	6,360.0	866.5	84.36
35.9	216.0	6,951.4	7,754.4	6,499.9	892.9	83.82
35.9	222.0	6,893.7	7,969.8	6,636.5	919.3	83.27
35.9	228.0	6,836.0	8,185.2	6,769.9	945.7	82.71
35.9	234.0	6,778.3	8,400.6	6,900.9	972.2	82.15
35.9	240.0	6,720.6	8,616.0	7,027.9	998.6	81.57
35.9	246.0	6,662.9	8,831.4	7,151.8	1,025.0	80.98
35.9	252.0	6,605.2	9,046.8	7,273.2	1,051.5	80.39
35.9	258.0	6,547.5	9,262.2	7,390.6	1,077.9	79.79
35.9	264.0	6,489.8	9,477.6	7,504.9	1,104.3	79.19
35.9	270.0	6,432.1	9,693.0	7,616.0	1,130.7	78.57
35.9	276.0	6,374.4	9,908.4	7,724.6	1,157.2	77.96
35.9	282.0	6,316.7	10,123.8	7,829.3	1,183.6	77.34
35.9	288.0	6,259.0	10,339.2	7,930.8	1,210.0	76.71
35.9	294.0	6,201.3	10,554.6	8,029.8	1,236.5	76.08
35.9	300.0	6,143.7	10,770.0	8,125.1	1,262.9	75.44
35.9	306.0	6,086.0	10,985.4	8,217.0	1,289.3	74.80
35.9	312.0	6,028.3	11,200.8	8,305.8	1,315.7	74.15
35.9	318.0	5,970.6	11,416.2	8,392.0	1,342.2	73.51
35.9	324.0	5,912.9	11,631.6	8,474.3	1,368.6	72.86
35.9	330.0	5,855.2	11,847.0	8,553.5	1,395.0	72.20
35.9	336.0	5,797.5	12,062.4	8,630.1	1,421.5	71.55
35.9	342.0	5,739.8	12,277.8	8,702.9	1,447.9	70.88
35.9	348.0	5,682.1	12,493.2	8,772.5	1,474.3	70.22
35.9	354.0	5,624.4	12,708.6	8,839.5	1,500.8	69.56
35.9	360.0	5,566.7	12,924.0	8,902.7	1,527.2	68.89

nl = rpm with no load

lo = current with no load

kV = specific rpm

kn = rpm drop per Amp

kT = torque constant

¹ incl. Controller

HP875_20_B4_P30_36V_12042024

