

Report calculated on Test Bench Results

Motor type: **NOVA 15-70-A2 P30**

Date: 25.03.2024

Bearing type: regular

Controller: Common ESC

Measuring Parameter

Voltage: **30.0 [V]**

Throttle setting: 100%

Calculated Motor Constants

nl: 2,483.2 [RPM] lo: 7.8 [A] kv: 83.5 [RPM/V] kn: -2.92 [RPM/A] kT: 13.13 [Ncm/A]

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency ¹ [%]
30.0	30.0	2,457.4	900.0	751.2	291.9	83.46
30.0	36.0	2,432.8	1,080.0	944.4	370.7	87.44
30.0	42.0	2,408.7	1,260.0	1,133.8	449.5	89.99
30.0	48.0	2,385.0	1,440.0	1,319.5	528.3	91.63
30.0	54.0	2,361.7	1,620.0	1,501.5	607.1	92.68
29.9	60.0	2,338.8	1,794.0	1,679.9	685.9	93.64
29.9	66.0	2,316.3	1,973.4	1,854.9	764.7	93.99
29.9	72.0	2,294.2	2,152.8	2,026.5	843.5	94.13
29.9	78.0	2,272.5	2,332.2	2,194.8	922.3	94.11
29.9	84.0	2,251.1	2,511.6	2,359.9	1,001.1	93.96
29.9	90.0	2,230.1	2,691.0	2,521.7	1,079.8	93.71
29.9	96.0	2,209.4	2,870.4	2,680.6	1,158.6	93.39
29.9	102.0	2,189.1	3,049.8	2,836.6	1,237.4	93.01
29.9	108.0	2,169.1	3,229.2	2,989.7	1,316.2	92.58
29.9	114.0	2,149.4	3,408.6	3,139.9	1,395.0	92.12
29.9	120.0	2,130.0	3,588.0	3,287.4	1,473.8	91.62
29.9	126.0	2,110.9	3,767.4	3,432.1	1,552.6	91.10
29.9	132.0	2,092.0	3,946.8	3,574.0	1,631.4	90.55
29.9	138.0	2,073.5	4,126.2	3,713.5	1,710.2	90.00
29.9	144.0	2,055.1	4,305.6	3,850.1	1,789.0	89.42
29.9	150.0	2,037.1	4,485.0	3,984.3	1,867.7	88.84
29.9	156.0	2,019.2	4,664.4	4,115.9	1,946.5	88.24
29.9	162.0	2,001.6	4,843.8	4,245.2	2,025.3	87.64
29.9	168.0	1,984.1	5,023.2	4,371.8	2,104.1	87.03
29.8	174.0	1,966.9	5,185.2	4,496.2	2,182.9	86.71
29.8	180.0	1,949.9	5,364.0	4,618.2	2,261.7	86.10

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency ¹ [%]
29.8	186.0	1,933.0	5,542.8	4,737.7	2,340.5	85.48
29.8	192.0	1,916.3	5,721.6	4,854.9	2,419.3	84.85
29.8	198.0	1,899.7	5,900.4	4,969.6	2,498.1	84.23
29.8	204.0	1,883.3	6,079.2	5,081.9	2,576.8	83.60
29.8	210.0	1,867.1	6,258.0	5,192.3	2,655.6	82.97
29.8	216.0	1,850.9	6,436.8	5,300.0	2,734.4	82.34
29.8	222.0	1,834.8	6,615.6	5,405.3	2,813.2	81.71
29.8	228.0	1,818.9	6,794.4	5,508.5	2,892.0	81.07
29.8	234.0	1,803.0	6,973.2	5,609.2	2,970.8	80.44
29.8	240.0	1,787.2	7,152.0	5,707.5	3,049.6	79.80
29.8	246.0	1,771.5	7,330.8	5,803.5	3,128.4	79.17
29.8	252.0	1,755.8	7,509.6	5,897.0	3,207.2	78.53
29.8	258.0	1,740.2	7,688.4	5,988.2	3,286.0	77.89
29.8	264.0	1,724.6	7,867.2	6,076.6	3,364.7	77.24
29.8	270.0	1,709.0	8,046.0	6,162.7	3,443.5	76.59
29.8	276.0	1,693.4	8,224.8	6,246.2	3,522.3	75.94
29.8	282.0	1,677.8	8,403.6	6,327.1	3,601.1	75.29
29.8	288.0	1,662.2	8,582.4	6,405.4	3,679.9	74.63
29.7	294.0	1,646.5	8,731.8	6,480.8	3,758.7	74.22
29.7	300.0	1,630.9	8,910.0	6,554.0	3,837.5	73.56
29.7	306.0	1,615.2	9,088.2	6,624.2	3,916.3	72.89
29.7	312.0	1,599.4	9,266.4	6,691.3	3,995.1	72.21
29.7	318.0	1,583.5	9,444.6	6,755.5	4,073.9	71.53
29.7	324.0	1,567.6	9,622.8	6,816.9	4,152.6	70.84
29.7	330.0	1,551.6	9,801.0	6,875.3	4,231.4	70.15
29.7	336.0	1,535.5	9,979.2	6,930.7	4,310.2	69.45
29.7	342.0	1,519.2	10,157.4	6,982.5	4,389.0	68.74
29.7	348.0	1,502.8	10,335.6	7,031.1	4,467.8	68.03
29.7	354.0	1,486.3	10,513.8	7,076.6	4,546.6	67.31
29.7	360.0	1,469.7	10,692.0	7,118.8	4,625.4	66.58
29.7	366.0	1,452.9	10,870.2	7,157.3	4,704.2	65.84
29.7	372.0	1,435.9	11,048.4	7,192.1	4,783.0	65.10
29.7	378.0	1,418.7	11,226.6	7,223.0	4,861.8	64.34
29.7	384.0	1,401.3	11,404.8	7,249.9	4,940.5	63.57
29.7	390.0	1,383.8	11,583.0	7,273.5	5,019.3	62.79
29.7	396.0	1,366.0	11,761.2	7,292.7	5,098.1	62.01
29.7	402.0	1,348.0	11,939.4	7,307.8	5,176.9	61.21
29.6	408.0	1,329.7	12,076.8	7,318.3	5,255.7	60.60

n_l = rpm with no load

I_o = current with no load

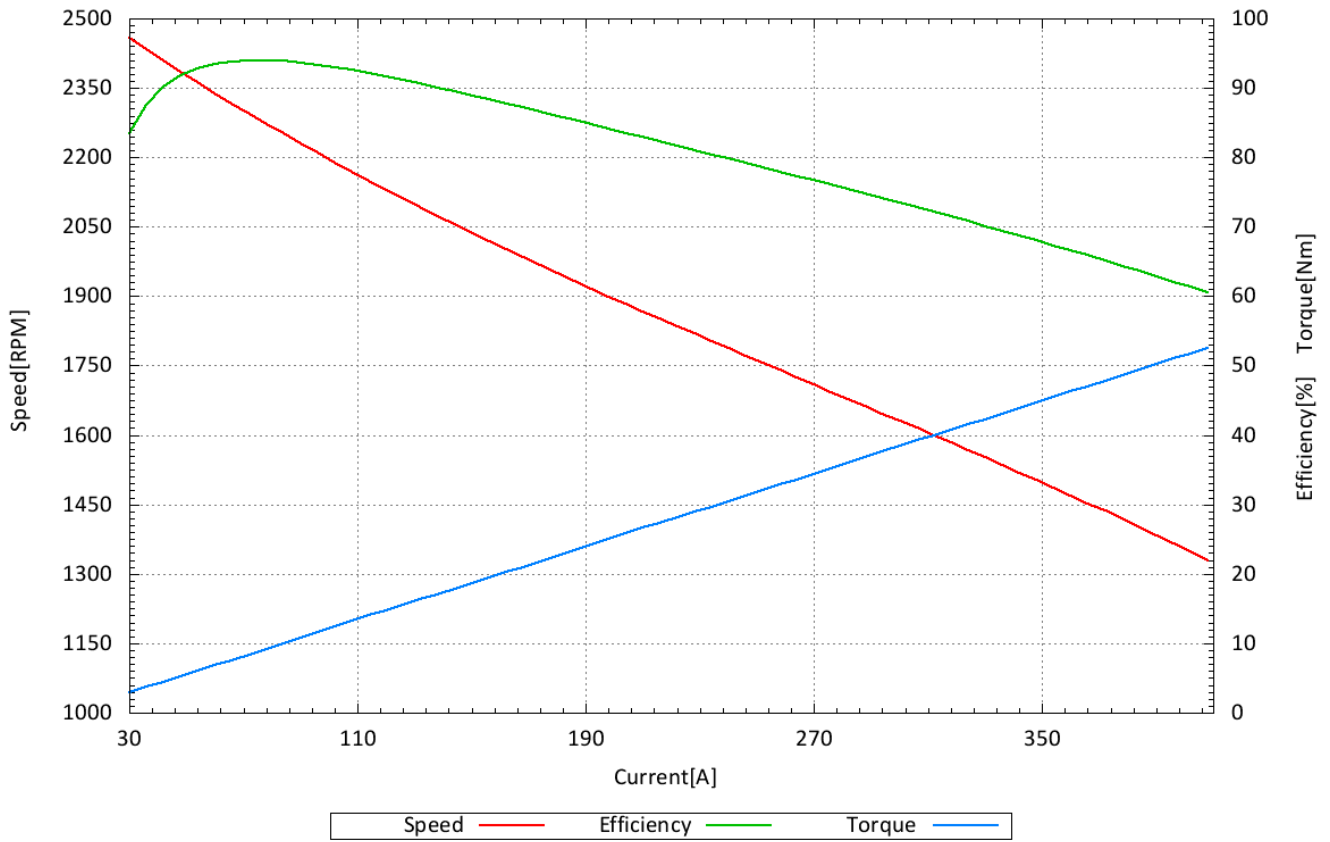
k_V = specific rpm

k_n = rpm drop per Amp

k_T = torque constant

¹ incl. Controller

HP875_70_A2_P30_30V_25032024



Report calculated on Test Bench Results

Motor type: **NOVA 15-70-A2 P30**

Date: 25.03.2024

Bearing type: regular

Controller: Common ESC

Measuring Parameter

Voltage: **40.0 [V]**

Throttle setting: 100%

Calculated Motor Constants

nl: 3,267.2 [RPM] lo: 9.5 [A] kv: 82.5 [RPM/V] kn: -3.31 [RPM/A] kT: 13.47 [Ncm/A]

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency ¹ [%]
40.0	30.0	3,249.9	1,200.0	942.4	276.9	78.53
40.0	36.0	3,221.3	1,440.0	1,206.6	357.7	83.79
40.0	42.0	3,193.2	1,680.0	1,466.6	438.6	87.30
40.0	48.0	3,165.7	1,920.0	1,721.9	519.4	89.68
40.0	54.0	3,138.7	2,160.0	1,972.8	600.2	91.33
39.9	60.0	3,112.3	2,394.0	2,219.8	681.1	92.72
39.9	66.0	3,086.4	2,633.4	2,462.5	761.9	93.51
39.9	72.0	3,060.9	2,872.8	2,701.5	842.8	94.04
39.9	78.0	3,036.0	3,112.2	2,936.4	923.6	94.35
39.9	84.0	3,011.5	3,351.6	3,167.5	1,004.4	94.51
39.9	90.0	2,987.5	3,591.0	3,395.4	1,085.3	94.55
39.9	96.0	2,963.9	3,830.4	3,619.3	1,166.1	94.49
39.9	102.0	2,940.7	4,069.8	3,840.1	1,247.0	94.36
39.9	108.0	2,918.0	4,309.2	4,057.4	1,327.8	94.16
39.9	114.0	2,895.6	4,548.6	4,271.6	1,408.7	93.91
39.9	120.0	2,873.7	4,788.0	4,482.4	1,489.5	93.62
39.9	126.0	2,852.1	5,027.4	4,690.0	1,570.3	93.29
39.9	132.0	2,830.8	5,266.8	4,894.8	1,651.2	92.94
39.9	138.0	2,809.9	5,506.2	5,096.4	1,732.0	92.56
39.9	144.0	2,789.4	5,745.6	5,295.6	1,812.9	92.17
39.9	150.0	2,769.1	5,985.0	5,491.3	1,893.7	91.75
39.9	156.0	2,749.2	6,224.4	5,684.5	1,974.5	91.33
39.9	162.0	2,729.5	6,463.8	5,875.0	2,055.4	90.89
39.9	168.0	2,710.1	6,703.2	6,062.6	2,136.2	90.44
39.9	174.0	2,690.9	6,942.6	6,247.6	2,217.1	89.99
39.8	180.0	2,672.0	7,164.0	6,429.8	2,297.9	89.75

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency ¹ [%]
39.8	186.0	2,653.3	7,402.8	6,609.6	2,378.8	89.28
39.8	192.0	2,634.8	7,641.6	6,786.4	2,459.6	88.81
39.8	198.0	2,616.6	7,880.4	6,960.9	2,540.4	88.33
39.8	204.0	2,598.5	8,119.2	7,132.9	2,621.3	87.85
39.8	210.0	2,580.5	8,358.0	7,301.9	2,702.1	87.36
39.8	216.0	2,562.8	8,596.8	7,468.9	2,783.0	86.88
39.8	222.0	2,545.1	8,835.6	7,632.7	2,863.8	86.39
39.8	228.0	2,527.6	9,074.4	7,794.1	2,944.6	85.89
39.8	234.0	2,510.3	9,313.2	7,953.4	3,025.5	85.40
39.8	240.0	2,493.0	9,552.0	8,109.5	3,106.3	84.90
39.8	246.0	2,475.8	9,790.8	8,263.3	3,187.2	84.40
39.8	252.0	2,458.6	10,029.6	8,413.9	3,268.0	83.89
39.8	258.0	2,441.6	10,268.4	8,562.6	3,348.9	83.39
39.8	264.0	2,424.5	10,507.2	8,707.8	3,429.7	82.87
39.8	270.0	2,407.5	10,746.0	8,850.4	3,510.5	82.36
39.8	276.0	2,390.5	10,984.8	8,990.4	3,591.4	81.84
39.8	282.0	2,373.5	11,223.6	9,127.3	3,672.2	81.32
39.8	288.0	2,356.5	11,462.4	9,261.6	3,753.1	80.80
39.8	294.0	2,339.4	11,701.2	9,392.3	3,833.9	80.27
39.7	300.0	2,322.4	11,910.0	9,520.6	3,914.7	79.94
39.7	306.0	2,305.2	12,148.2	9,645.4	3,995.6	79.40
39.7	312.0	2,288.0	12,386.4	9,767.0	4,076.4	78.85
39.7	318.0	2,270.7	12,624.6	9,885.5	4,157.3	78.30
39.7	324.0	2,253.3	12,862.8	10,000.4	4,238.1	77.75
39.7	330.0	2,235.8	13,101.0	10,111.9	4,318.9	77.18
39.7	336.0	2,218.1	13,339.2	10,219.8	4,399.8	76.61
39.7	342.0	2,200.3	13,577.4	10,324.0	4,480.6	76.04
39.7	348.0	2,182.4	13,815.6	10,424.9	4,561.5	75.46
39.7	354.0	2,164.2	14,053.8	10,521.1	4,642.3	74.86
39.7	360.0	2,145.9	14,292.0	10,613.9	4,723.2	74.26
39.7	366.0	2,127.4	14,530.2	10,702.4	4,804.0	73.66
39.7	372.0	2,108.7	14,768.4	10,786.7	4,884.8	73.04
39.7	378.0	2,089.7	15,006.6	10,866.6	4,965.7	72.41
39.7	384.0	2,070.5	15,244.8	10,941.9	5,046.5	71.77
39.7	390.0	2,051.0	15,483.0	11,012.6	5,127.4	71.13
39.7	396.0	2,031.3	15,721.2	11,078.7	5,208.2	70.47
39.7	402.0	2,011.3	15,959.4	11,139.8	5,289.0	69.80
39.7	408.0	1,991.0	16,197.6	11,196.1	5,369.9	69.12

n_l = rpm with no load

I_o = current with no load

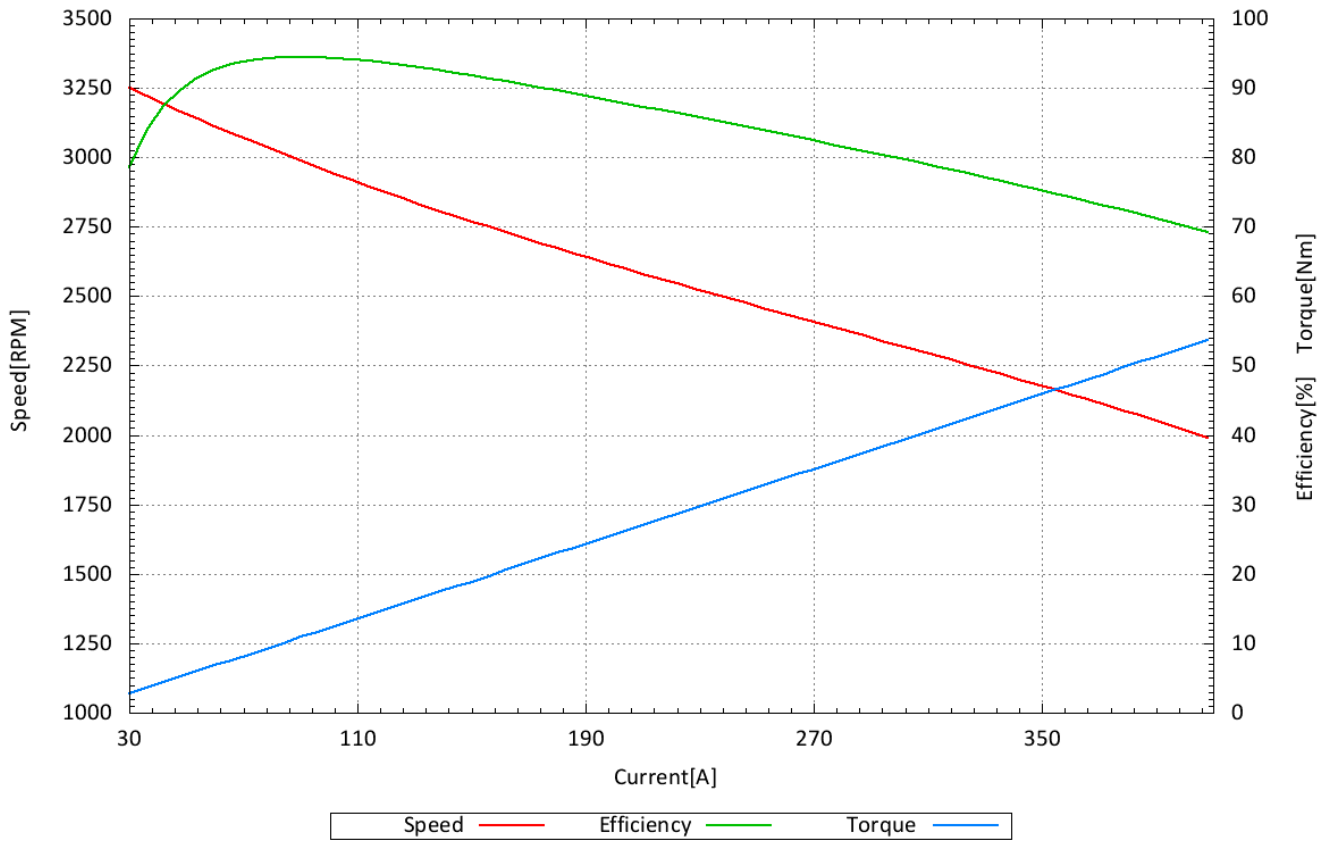
k_V = specific rpm

k_n = rpm drop per Amp

k_T = torque constant

¹ incl. Controller

HP875_70_A2_P30_40V_25032024



Report calculated on Test Bench Results

Motor type: **NOVA 15-70-A2 P30**

Date: 25.03.2024

Bearing type: regular

Controller: Common ESC

Measuring Parameter

Voltage: **50.0 [V]**

Throttle setting: 100%

Calculated Motor Constants

nl: 4,069.4 [RPM] lo: 13.4 [A] kv: 82.4 [RPM/V] kn: -3.75 [RPM/A] kT: 13.67 [Ncm/A]

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency ¹ [%]
50.0	30.0	4,113.6	1,500.0	978.7	227.2	65.25
50.0	36.0	4,077.6	1,800.0	1,320.3	309.2	73.35
50.0	42.0	4,042.5	2,100.0	1,656.1	391.2	78.86
50.0	48.0	4,008.1	2,400.0	1,986.1	473.2	82.76
50.0	54.0	3,974.4	2,700.0	2,311.1	555.3	85.60
50.0	60.0	3,941.5	3,000.0	2,630.5	637.3	87.68
50.0	66.0	3,909.3	3,300.0	2,944.7	719.3	89.23
50.0	72.0	3,877.8	3,600.0	3,253.9	801.3	90.39
50.0	78.0	3,846.9	3,900.0	3,558.3	883.3	91.24
50.0	84.0	3,816.7	4,200.0	3,858.1	965.3	91.86
50.0	90.0	3,787.2	4,500.0	4,153.9	1,047.4	92.31
50.0	96.0	3,758.2	4,800.0	4,444.8	1,129.4	92.60
50.0	102.0	3,729.8	5,100.0	4,731.5	1,211.4	92.78
50.0	108.0	3,702.0	5,400.0	5,014.2	1,293.4	92.85
49.9	114.0	3,674.8	5,688.6	5,292.9	1,375.4	93.04
49.9	120.0	3,648.1	5,988.0	5,568.1	1,457.5	92.99
49.9	126.0	3,621.9	6,287.4	5,839.1	1,539.5	92.87
49.9	132.0	3,596.2	6,586.8	6,106.5	1,621.5	92.71
49.9	138.0	3,570.9	6,886.2	6,370.1	1,703.5	92.51
49.9	144.0	3,546.1	7,185.6	6,630.4	1,785.5	92.27
49.9	150.0	3,521.8	7,485.0	6,887.4	1,867.5	92.02
49.9	156.0	3,497.9	7,784.4	7,141.4	1,949.6	91.74
49.9	162.0	3,474.3	8,083.8	7,391.5	2,031.6	91.44
49.9	168.0	3,451.2	8,383.2	7,638.7	2,113.6	91.12
49.9	174.0	3,428.3	8,682.6	7,882.4	2,195.6	90.78
49.9	180.0	3,405.9	8,982.0	8,123.4	2,277.6	90.44

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency ¹ [%]
49.9	186.0	3,383.7	9,281.4	8,361.0	2,359.6	90.08
49.9	192.0	3,361.9	9,580.8	8,596.2	2,441.7	89.72
49.9	198.0	3,340.3	9,880.2	8,827.8	2,523.7	89.35
49.9	204.0	3,318.9	10,179.6	9,056.2	2,605.7	88.96
49.9	210.0	3,297.8	10,479.0	9,281.8	2,687.7	88.58
49.9	216.0	3,277.0	10,778.4	9,504.7	2,769.7	88.18
49.9	222.0	3,256.3	11,077.8	9,724.6	2,851.8	87.78
49.9	228.0	3,235.8	11,377.2	9,941.2	2,933.8	87.38
49.9	234.0	3,215.4	11,676.6	10,154.7	3,015.8	86.97
49.9	240.0	3,195.2	11,976.0	10,365.3	3,097.8	86.55
49.9	246.0	3,175.2	12,275.4	10,573.0	3,179.8	86.13
49.9	252.0	3,155.2	12,574.8	10,777.4	3,261.8	85.71
49.9	258.0	3,135.3	12,874.2	10,979.0	3,343.9	85.28
49.9	264.0	3,115.4	13,173.6	11,176.8	3,425.9	84.84
49.9	270.0	3,095.6	13,473.0	11,371.6	3,507.9	84.40
49.9	276.0	3,075.8	13,772.4	11,563.0	3,589.9	83.96
49.9	282.0	3,056.0	14,071.8	11,750.9	3,671.9	83.51
49.9	288.0	3,036.2	14,371.2	11,935.5	3,753.9	83.05
49.9	294.0	3,016.4	14,670.6	12,117.0	3,836.0	82.59
49.9	300.0	2,996.5	14,970.0	12,294.4	3,918.0	82.13
49.9	306.0	2,976.5	15,269.4	12,467.9	4,000.0	81.65
49.9	312.0	2,956.4	15,568.8	12,637.6	4,082.0	81.17
49.9	318.0	2,936.2	15,868.2	12,803.4	4,164.0	80.69
49.9	324.0	2,915.9	16,167.6	12,965.3	4,246.0	80.19
49.9	330.0	2,895.4	16,467.0	13,123.0	4,328.1	79.69
49.8	336.0	2,874.7	16,732.8	13,276.1	4,410.1	79.34
49.8	342.0	2,853.9	17,031.6	13,425.1	4,492.1	78.82
49.8	348.0	2,832.8	17,330.4	13,569.1	4,574.1	78.30
49.8	354.0	2,811.5	17,629.2	13,708.5	4,656.1	77.76
49.8	360.0	2,789.9	17,928.0	13,843.0	4,738.2	77.21
49.8	366.0	2,768.1	18,226.8	13,972.5	4,820.2	76.66
49.8	372.0	2,745.9	18,525.6	14,096.3	4,902.2	76.09
49.8	378.0	2,723.5	18,824.4	14,215.2	4,984.2	75.51
49.8	384.0	2,700.7	19,123.2	14,328.1	5,066.2	74.92
49.8	390.0	2,677.6	19,422.0	14,435.4	5,148.2	74.33
49.8	396.0	2,654.0	19,720.8	14,536.4	5,230.3	73.71
49.8	402.0	2,630.1	20,019.6	14,631.3	5,312.3	73.08
49.8	408.0	2,605.8	20,318.4	14,719.9	5,394.3	72.45

n_l = rpm with no load

I_o = current with no load

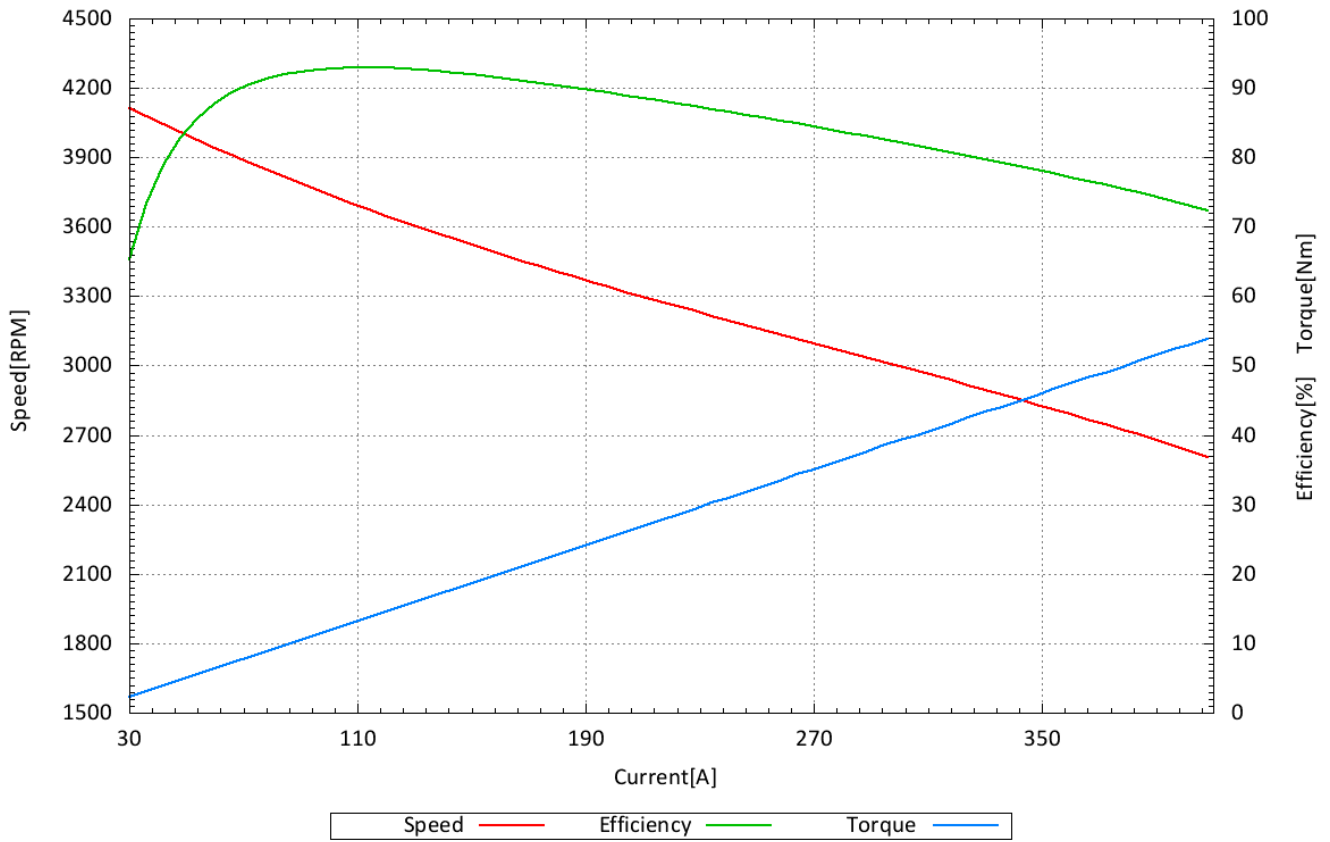
k_V = specific rpm

k_n = rpm drop per Amp

k_T = torque constant

¹ incl. Controller

HP875_70_A2_P30_50V_25032024



Report calculated on Test Bench Results

Motor type: **NOVA 15-70-A2 P30**

Date: 25.03.2024

Bearing type: regular

Controller: Common ESC

Measuring Parameter

Voltage: **60.0 [V]**

Throttle setting: 100%

Calculated Motor Constants

nl: 4,799.8 [RPM] lo: 12.3 [A] kv: 80.8 [RPM/V] kn: -4.03 [RPM/A] kT: 13.89 [Ncm/A]

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency ¹ [%]
60.0	30.0	4,834.2	1,800.0	1,242.3	245.4	69.02
60.0	36.0	4,796.0	2,160.0	1,651.4	328.8	76.45
60.0	42.0	4,758.6	2,520.0	2,053.6	412.1	81.49
60.0	48.0	4,722.1	2,880.0	2,449.7	495.4	85.06
60.0	54.0	4,686.3	3,240.0	2,840.5	578.8	87.67
60.0	60.0	4,651.3	3,600.0	3,225.0	662.1	89.58
59.9	66.0	4,617.1	3,953.4	3,604.0	745.4	91.16
59.9	72.0	4,583.6	4,312.8	3,977.7	828.7	92.23
59.9	78.0	4,550.8	4,672.2	4,346.7	912.1	93.03
59.9	84.0	4,518.7	5,031.6	4,710.2	995.4	93.61
59.9	90.0	4,487.2	5,391.0	5,068.8	1,078.7	94.02
59.9	96.0	4,456.5	5,750.4	5,423.3	1,162.1	94.31
59.9	102.0	4,426.3	6,109.8	5,772.7	1,245.4	94.48
59.9	108.0	4,396.8	6,469.2	6,117.8	1,328.7	94.57
59.9	114.0	4,367.8	6,828.6	6,458.9	1,412.1	94.59
59.9	120.0	4,339.5	7,188.0	6,795.6	1,495.4	94.54
59.9	126.0	4,311.6	7,547.4	7,128.0	1,578.7	94.44
59.9	132.0	4,284.3	7,906.8	7,456.6	1,662.0	94.31
59.9	138.0	4,257.5	8,266.2	7,781.8	1,745.4	94.14
59.9	144.0	4,231.2	8,625.6	8,102.8	1,828.7	93.94
59.9	150.0	4,205.4	8,985.0	8,420.2	1,912.0	93.71
59.9	156.0	4,180.0	9,344.4	8,734.4	1,995.4	93.47
59.9	162.0	4,155.0	9,703.8	9,044.6	2,078.7	93.21
59.9	168.0	4,130.4	10,063.2	9,351.4	2,162.0	92.93
59.9	174.0	4,106.2	10,422.6	9,654.8	2,245.3	92.63
59.9	180.0	4,082.4	10,782.0	9,955.4	2,328.7	92.33

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency ¹ [%]
59.8	186.0	4,058.9	11,122.8	10,252.1	2,412.0	92.17
59.8	192.0	4,035.7	11,481.6	10,545.6	2,495.3	91.85
59.8	198.0	4,012.9	11,840.4	10,836.5	2,578.7	91.52
59.8	204.0	3,990.3	12,199.2	11,123.5	2,662.0	91.18
59.8	210.0	3,967.9	12,558.0	11,407.2	2,745.3	90.84
59.8	216.0	3,945.8	12,916.8	11,687.9	2,828.6	90.49
59.8	222.0	3,923.9	13,275.6	11,965.7	2,912.0	90.13
59.8	228.0	3,902.3	13,634.4	12,240.2	2,995.3	89.77
59.8	234.0	3,880.7	13,993.2	12,511.0	3,078.6	89.41
59.8	240.0	3,859.4	14,352.0	12,779.4	3,162.0	89.04
59.8	246.0	3,838.2	14,710.8	13,044.0	3,245.3	88.67
59.8	252.0	3,817.0	15,069.6	13,304.9	3,328.6	88.29
59.8	258.0	3,796.0	15,428.4	13,562.9	3,411.9	87.91
59.8	264.0	3,775.1	15,787.2	13,817.9	3,495.3	87.53
59.8	270.0	3,754.2	16,146.0	14,068.9	3,578.6	87.14
59.8	276.0	3,733.3	16,504.8	14,316.2	3,661.9	86.74
59.8	282.0	3,712.4	16,863.6	14,560.3	3,745.3	86.34
59.8	288.0	3,691.6	17,222.4	14,800.7	3,828.6	85.94
59.8	294.0	3,670.7	17,581.2	15,037.1	3,911.9	85.53
59.8	300.0	3,649.7	17,940.0	15,269.5	3,995.2	85.11
59.8	306.0	3,628.7	18,298.8	15,498.5	4,078.6	84.70
59.7	312.0	3,607.5	18,626.4	15,722.7	4,161.9	84.41
59.7	318.0	3,586.3	18,984.6	15,943.1	4,245.2	83.98
59.7	324.0	3,564.9	19,342.8	16,159.3	4,328.6	83.54
59.7	330.0	3,543.4	19,701.0	16,371.0	4,411.9	83.10
59.7	336.0	3,521.7	20,059.2	16,577.9	4,495.2	82.64
59.7	342.0	3,499.8	20,417.4	16,780.1	4,578.5	82.19
59.7	348.0	3,477.6	20,775.6	16,977.4	4,661.9	81.72
59.7	354.0	3,455.3	21,133.8	17,169.9	4,745.2	81.24
59.7	360.0	3,432.7	21,492.0	17,357.1	4,828.5	80.76
59.7	366.0	3,409.7	21,850.2	17,538.6	4,911.9	80.27
59.7	372.0	3,386.5	22,208.4	17,714.7	4,995.2	79.77
59.7	378.0	3,363.0	22,566.6	17,885.1	5,078.5	79.25
59.7	384.0	3,339.1	22,924.8	18,049.3	5,161.8	78.73
59.7	390.0	3,314.9	23,283.0	18,208.0	5,245.2	78.20
59.7	396.0	3,290.3	23,641.2	18,359.8	5,328.5	77.66
59.7	402.0	3,265.2	23,999.4	18,504.6	5,411.8	77.10
59.7	408.0	3,239.8	24,357.6	18,643.6	5,495.2	76.54

n_l = rpm with no load

I_o = current with no load

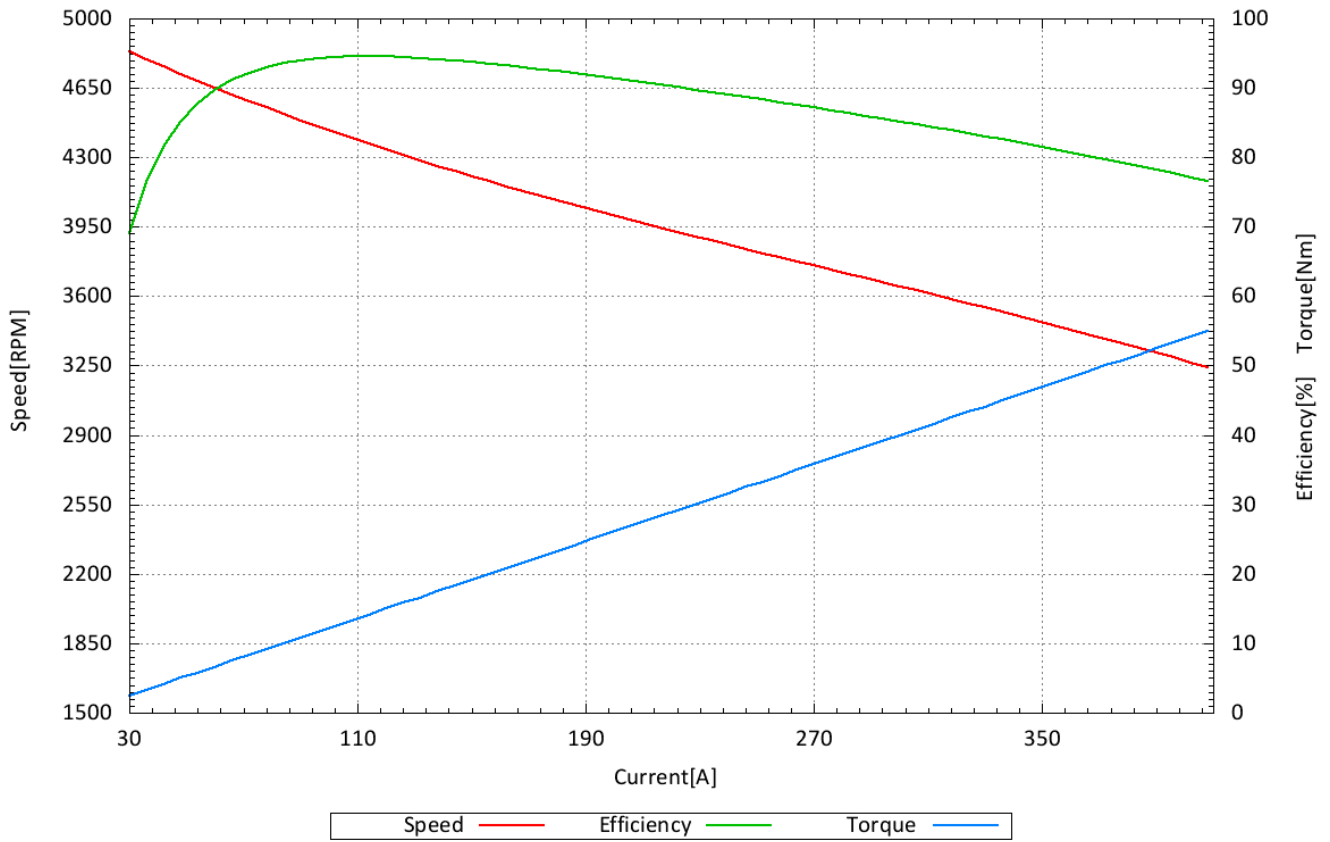
k_V = specific rpm

k_n = rpm drop per Amp

k_T = torque constant

¹ incl. Controller

HP875_70_A2_P30_60V_25032024



Report calculated on Test Bench Results

Motor type: **NOVA 15-70-A2 P30**

Date: 25.03.2024

Bearing type: regular

Controller: Common ESC

Measuring Parameter

Voltage: **70.0 [V]**

Throttle setting: 100%

Calculated Motor Constants

nl: 5,596.5 [RPM] lo: 13.0 [A] kv: 80.8 [RPM/V] kn: -4.71 [RPM/A] kT: 13.89 [Ncm/A]

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency ¹ [%]
70.0	30.0	5,644.8	2,100.0	1,395.0	236.0	66.43
70.0	36.0	5,601.1	2,520.0	1,872.8	319.3	74.32
70.0	42.0	5,558.4	2,940.0	2,344.0	402.7	79.73
70.0	48.0	5,516.6	3,360.0	2,807.6	486.0	83.56
70.0	54.0	5,475.7	3,780.0	3,264.4	569.3	86.36
70.0	60.0	5,435.7	4,200.0	3,715.3	652.7	88.46
69.9	66.0	5,396.6	4,613.4	4,159.4	736.0	90.16
69.9	72.0	5,358.3	5,032.8	4,597.3	819.3	91.35
69.9	78.0	5,320.8	5,452.2	5,029.2	902.6	92.24
69.9	84.0	5,284.2	5,871.6	5,456.1	986.0	92.92
69.9	90.0	5,248.2	6,291.0	5,876.8	1,069.3	93.42
69.9	96.0	5,213.1	6,710.4	6,292.2	1,152.6	93.77
69.9	102.0	5,178.6	7,129.8	6,702.8	1,236.0	94.01
69.9	108.0	5,144.9	7,549.2	7,108.0	1,319.3	94.16
69.9	114.0	5,111.8	7,968.6	7,508.2	1,402.6	94.22
69.9	120.0	5,079.4	8,388.0	7,903.7	1,485.9	94.23
69.9	126.0	5,047.6	8,807.4	8,295.1	1,569.3	94.18
69.9	132.0	5,016.4	9,226.8	8,681.4	1,652.6	94.09
69.9	138.0	4,985.7	9,646.2	9,063.2	1,735.9	93.96
69.9	144.0	4,955.7	10,065.6	9,441.4	1,819.3	93.80
69.9	150.0	4,926.1	10,485.0	9,814.8	1,902.6	93.61
69.9	156.0	4,897.1	10,904.4	10,184.2	1,985.9	93.39
69.9	162.0	4,868.5	11,323.8	10,549.4	2,069.2	93.16
69.9	168.0	4,840.5	11,743.2	10,911.4	2,152.6	92.92
69.9	174.0	4,812.8	12,162.6	11,268.8	2,235.9	92.65
69.9	180.0	4,785.6	12,582.0	11,622.6	2,319.2	92.37

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency ¹ [%]
69.8	186.0	4,758.7	12,982.8	11,972.9	2,402.6	92.22
69.8	192.0	4,732.2	13,401.6	12,319.0	2,485.9	91.92
69.8	198.0	4,706.1	13,820.4	12,661.6	2,569.2	91.62
69.8	204.0	4,680.3	14,239.2	13,000.4	2,652.5	91.30
69.8	210.0	4,654.7	14,658.0	13,335.8	2,735.9	90.98
69.8	216.0	4,629.5	15,076.8	13,667.5	2,819.2	90.65
69.8	222.0	4,604.5	15,495.6	13,995.3	2,902.5	90.32
69.8	228.0	4,579.7	15,914.4	14,319.9	2,985.9	89.98
69.8	234.0	4,555.1	16,333.2	14,640.4	3,069.2	89.64
69.8	240.0	4,530.7	16,752.0	14,957.2	3,152.5	89.29
69.8	246.0	4,506.4	17,170.8	15,270.0	3,235.8	88.93
69.8	252.0	4,482.3	17,589.6	15,579.8	3,319.2	88.57
69.8	258.0	4,458.3	18,008.4	15,885.3	3,402.5	88.21
69.8	264.0	4,434.3	18,427.2	16,186.6	3,485.8	87.84
69.8	270.0	4,410.4	18,846.0	16,484.6	3,569.2	87.47
69.8	276.0	4,386.6	19,264.8	16,778.3	3,652.5	87.09
69.8	282.0	4,362.7	19,683.6	17,067.4	3,735.8	86.71
69.8	288.0	4,338.9	20,102.4	17,352.8	3,819.1	86.32
69.8	294.0	4,315.0	20,521.2	17,634.1	3,902.5	85.93
69.8	300.0	4,291.0	20,940.0	17,910.3	3,985.8	85.53
69.8	306.0	4,267.0	21,358.8	18,182.3	4,069.1	85.13
69.7	312.0	4,242.9	21,746.4	18,450.2	4,152.5	84.84
69.7	318.0	4,218.6	22,164.6	18,712.5	4,235.8	84.43
69.7	324.0	4,194.2	22,582.8	18,970.2	4,319.1	84.00
69.7	330.0	4,169.6	23,001.0	19,222.6	4,402.4	83.57
69.7	336.0	4,144.7	23,419.2	19,469.8	4,485.8	83.14
69.7	342.0	4,119.7	23,837.4	19,711.7	4,569.1	82.69
69.7	348.0	4,094.4	24,255.6	19,947.8	4,652.4	82.24
69.7	354.0	4,068.9	24,673.8	20,179.0	4,735.8	81.78
69.7	360.0	4,043.0	25,092.0	20,403.2	4,819.1	81.31
69.7	366.0	4,016.8	25,510.2	20,621.4	4,902.4	80.84
69.7	372.0	3,990.3	25,928.4	20,833.4	4,985.7	80.35
69.7	378.0	3,963.4	26,346.6	21,039.1	5,069.1	79.86
69.7	384.0	3,936.1	26,764.8	21,237.5	5,152.4	79.35
69.7	390.0	3,908.4	27,183.0	21,429.0	5,235.7	78.83
69.7	396.0	3,880.3	27,601.2	21,613.8	5,319.1	78.31
69.7	402.0	3,851.7	28,019.4	21,790.5	5,402.4	77.77
69.7	408.0	3,822.6	28,437.6	21,959.4	5,485.7	77.22

n_l = rpm with no load

I_o = current with no load

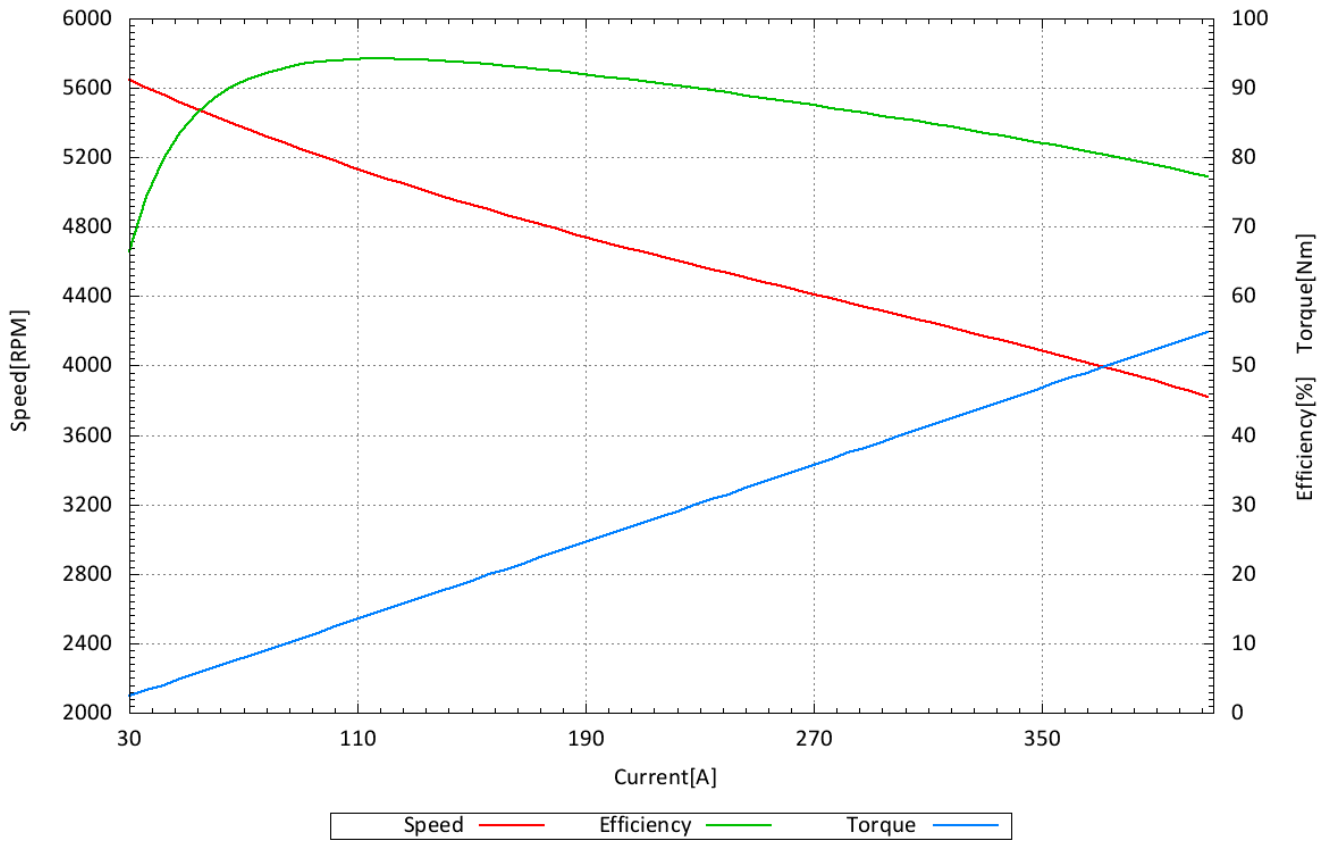
k_V = specific rpm

k_n = rpm drop per Amp

k_T = torque constant

¹ incl. Controller

HP875_70_A2_P30_70V_25032024



Report calculated on Test Bench Results

Motor type: **NOVA 15-70-A2 P30**

Date: 25.03.2024

Bearing type: regular

Controller: Common ESC

Measuring Parameter

Voltage: **80.0 [V]**

Throttle setting: 100%

Calculated Motor Constants

nl: 6,392.4 [RPM] lo: 13.7 [A] kv: 80.8 [RPM/V] kn: -5.38 [RPM/A] kT: 13.89 [Ncm/A]

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency ¹ [%]
80.0	30.0	6,455.4	2,400.0	1,531.8	226.6	63.83
80.0	36.0	6,406.2	2,880.0	2,079.0	309.9	72.19
80.0	42.0	6,358.2	3,360.0	2,618.0	393.2	77.92
80.0	48.0	6,311.1	3,840.0	3,149.8	476.6	82.03
80.0	54.0	6,265.2	4,320.0	3,673.4	559.9	85.03
80.0	60.0	6,220.2	4,800.0	4,189.7	643.2	87.28
79.9	66.0	6,176.2	5,273.4	4,699.4	726.6	89.12
79.9	72.0	6,133.1	5,752.8	5,201.6	809.9	90.42
79.9	78.0	6,090.9	6,232.2	5,697.2	893.2	91.41
79.9	84.0	6,049.7	6,711.6	6,186.4	976.5	92.17
79.9	90.0	6,009.2	7,191.0	6,669.8	1,059.9	92.75
79.9	96.0	5,969.7	7,670.4	7,146.7	1,143.2	93.17
79.9	102.0	5,930.9	8,149.8	7,617.6	1,226.5	93.47
79.9	108.0	5,893.0	8,629.2	8,083.6	1,309.9	93.68
79.9	114.0	5,855.7	9,108.6	8,543.2	1,393.2	93.79
79.9	120.0	5,819.3	9,588.0	8,997.7	1,476.5	93.84
79.9	126.0	5,783.5	10,067.4	9,446.9	1,559.8	93.84
79.9	132.0	5,748.4	10,546.8	9,891.6	1,643.2	93.79
79.9	138.0	5,713.9	11,026.2	10,330.7	1,726.5	93.69
79.9	144.0	5,680.1	11,505.6	10,765.0	1,809.8	93.56
79.9	150.0	5,646.9	11,985.0	11,195.3	1,893.2	93.41
79.9	156.0	5,614.2	12,464.4	11,620.2	1,976.5	93.23
79.9	162.0	5,582.1	12,943.8	12,040.7	2,059.8	93.02
79.9	168.0	5,550.5	13,423.2	12,456.7	2,143.1	92.80
79.9	174.0	5,519.4	13,902.6	12,869.0	2,226.5	92.57
79.9	180.0	5,488.7	14,382.0	13,276.2	2,309.8	92.31

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency ¹ [%]
79.8	186.0	5,458.5	14,842.8	13,679.3	2,393.1	92.16
79.8	192.0	5,428.7	15,321.6	14,078.7	2,476.5	91.89
79.8	198.0	5,399.3	15,800.4	14,473.5	2,559.8	91.60
79.8	204.0	5,370.3	16,279.2	14,864.2	2,643.1	91.31
79.8	210.0	5,341.6	16,758.0	15,250.7	2,726.4	91.01
79.8	216.0	5,313.1	17,236.8	15,633.3	2,809.8	90.70
79.8	222.0	5,285.0	17,715.6	16,011.7	2,893.1	90.38
79.8	228.0	5,257.1	18,194.4	16,385.7	2,976.4	90.06
79.8	234.0	5,229.5	18,673.2	16,756.4	3,059.8	89.74
79.8	240.0	5,202.0	19,152.0	17,122.1	3,143.1	89.40
79.8	246.0	5,174.7	19,630.8	17,483.6	3,226.4	89.06
79.8	252.0	5,147.6	20,109.6	17,841.1	3,309.7	88.72
79.8	258.0	5,120.5	20,588.4	18,194.4	3,393.1	88.37
79.8	264.0	5,093.6	21,067.2	18,543.1	3,476.4	88.02
79.8	270.0	5,066.7	21,546.0	18,887.2	3,559.7	87.66
79.8	276.0	5,039.9	22,024.8	19,227.4	3,643.1	87.30
79.8	282.0	5,013.1	22,503.6	19,562.5	3,726.4	86.93
79.8	288.0	4,986.2	22,982.4	19,892.5	3,809.7	86.56
79.8	294.0	4,959.3	23,461.2	20,217.8	3,893.0	86.18
79.8	300.0	4,932.4	23,940.0	20,538.9	3,976.4	85.79
79.8	306.0	4,905.4	24,418.8	20,854.4	4,059.7	85.40
79.7	312.0	4,878.2	24,866.4	21,164.3	4,143.0	85.11
79.7	318.0	4,850.9	25,344.6	21,469.5	4,226.4	84.71
79.7	324.0	4,823.4	25,822.8	21,768.5	4,309.7	84.30
79.7	330.0	4,795.7	26,301.0	22,061.8	4,393.0	83.88
79.7	336.0	4,767.8	26,779.2	22,349.4	4,476.3	83.46
79.7	342.0	4,739.6	27,257.4	22,631.1	4,559.7	83.03
79.7	348.0	4,711.2	27,735.6	22,906.5	4,643.0	82.59
79.7	354.0	4,682.4	28,213.8	23,174.9	4,726.3	82.14
79.7	360.0	4,653.3	28,692.0	23,437.3	4,809.7	81.69
79.7	366.0	4,623.9	29,170.2	23,692.6	4,893.0	81.22
79.7	372.0	4,594.1	29,648.4	23,940.6	4,976.3	80.75
79.7	378.0	4,563.8	30,126.6	24,180.8	5,059.6	80.26
79.7	384.0	4,533.1	30,604.8	24,414.1	5,143.0	79.77
79.7	390.0	4,501.9	31,083.0	24,638.8	5,226.3	79.27
79.7	396.0	4,470.3	31,561.2	24,855.8	5,309.6	78.75
79.7	402.0	4,438.1	32,039.4	25,064.3	5,393.0	78.23
79.7	408.0	4,405.4	32,517.6	25,263.9	5,476.3	77.69

n_l = rpm with no load

I_o = current with no load

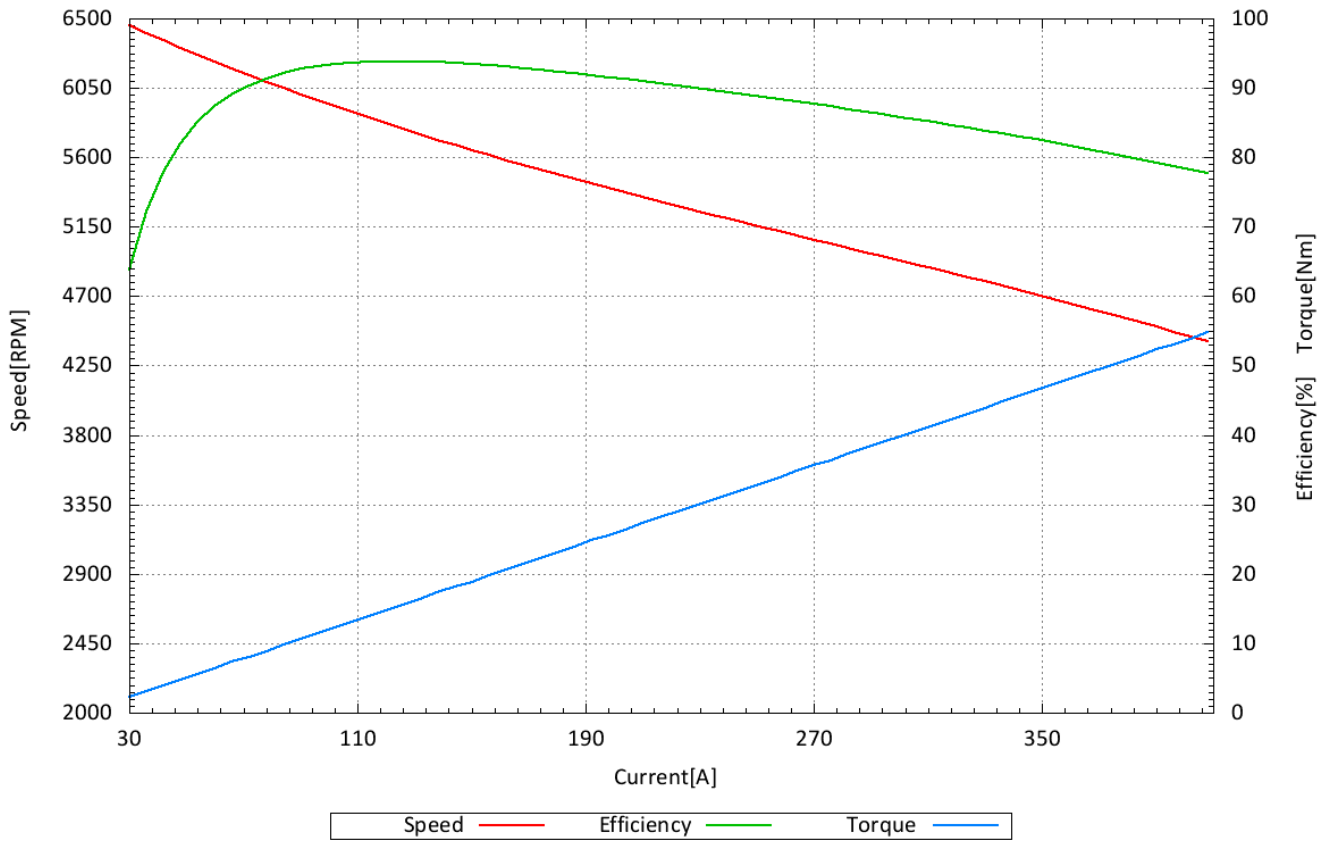
k_V = specific rpm

k_n = rpm drop per Amp

k_T = torque constant

¹ incl. Controller

HP875_70_A2_P30_80V_25032024



Report calculated on Test Bench Results

Motor type: **NOVA 15-70-A2 P30**

Date: 25.03.2024

Bearing type: regular

Controller: Common ESC

Measuring Parameter

Voltage: **90.0 [V]**

Throttle setting: 100%

Calculated Motor Constants

nl: 7,187.3 [RPM] lo: 14.4 [A] kv: 80.8 [RPM/V] kn: -6.05 [RPM/A] kT: 13.89 [Ncm/A]

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency ¹ [%]
90.0	30.0	7,265.9	2,700.0	1,651.9	217.1	61.18
90.0	36.0	7,211.3	3,240.0	2,269.3	300.5	70.04
90.0	42.0	7,157.9	3,780.0	2,876.9	383.8	76.11
90.0	48.0	7,105.7	4,320.0	3,475.7	467.1	80.46
90.0	54.0	7,054.6	4,860.0	4,066.9	550.5	83.68
90.0	60.0	7,004.6	5,400.0	4,649.0	633.8	86.09
89.9	66.0	6,955.7	5,933.4	5,223.4	717.1	88.03
89.9	72.0	6,907.8	6,472.8	5,790.0	800.4	89.45
89.9	78.0	6,861.0	7,012.2	6,349.9	883.8	90.56
89.9	84.0	6,815.1	7,551.6	6,902.0	967.1	91.40
89.9	90.0	6,770.2	8,091.0	7,447.1	1,050.4	92.04
89.9	96.0	6,726.3	8,630.4	7,986.2	1,133.8	92.54
89.9	102.0	6,683.2	9,169.8	8,518.0	1,217.1	92.89
89.9	108.0	6,641.0	9,709.2	9,043.6	1,300.4	93.14
89.9	114.0	6,599.7	10,248.6	9,563.7	1,383.8	93.32
89.9	120.0	6,559.1	10,788.0	10,077.0	1,467.1	93.41
89.9	126.0	6,519.4	11,327.4	10,584.7	1,550.4	93.44
89.9	132.0	6,480.4	11,866.8	11,086.7	1,633.7	93.43
89.9	138.0	6,442.1	12,406.2	11,583.8	1,717.1	93.37
89.9	144.0	6,404.5	12,945.6	12,074.9	1,800.4	93.27
89.9	150.0	6,367.6	13,485.0	12,560.8	1,883.7	93.15
89.9	156.0	6,331.3	14,024.4	13,042.1	1,967.1	93.00
89.9	162.0	6,295.6	14,563.8	13,517.7	2,050.4	92.82
89.9	168.0	6,260.5	15,103.2	13,988.5	2,133.7	92.62
89.9	174.0	6,225.9	15,642.6	14,454.3	2,217.0	92.40
89.9	180.0	6,191.9	16,182.0	14,916.1	2,300.4	92.18

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency ¹ [%]
89.8	186.0	6,158.3	16,702.8	15,372.4	2,383.7	92.03
89.8	192.0	6,125.2	17,241.6	15,824.1	2,467.0	91.78
89.8	198.0	6,092.6	17,780.4	16,271.9	2,550.4	91.52
89.8	204.0	6,060.3	18,319.2	16,714.3	2,633.7	91.24
89.8	210.0	6,028.4	18,858.0	17,152.2	2,717.0	90.95
89.8	216.0	5,996.8	19,396.8	17,585.4	2,800.3	90.66
89.8	222.0	5,965.5	19,935.6	18,014.6	2,883.7	90.36
89.8	228.0	5,934.5	20,474.4	18,438.7	2,967.0	90.06
89.8	234.0	5,903.8	21,013.2	18,858.3	3,050.3	89.75
89.8	240.0	5,873.3	21,552.0	19,273.8	3,133.7	89.43
89.8	246.0	5,843.0	22,090.8	19,684.1	3,217.0	89.11
89.8	252.0	5,812.8	22,629.6	20,089.4	3,300.3	88.77
89.8	258.0	5,782.8	23,168.4	20,490.2	3,383.6	88.44
89.8	264.0	5,752.8	23,707.2	20,886.3	3,467.0	88.10
89.8	270.0	5,723.0	24,246.0	21,277.3	3,550.3	87.76
89.8	276.0	5,693.2	24,784.8	21,663.2	3,633.6	87.41
89.8	282.0	5,663.4	25,323.6	22,044.4	3,717.0	87.05
89.8	288.0	5,633.6	25,862.4	22,419.8	3,800.3	86.69
89.8	294.0	5,603.7	26,401.2	22,789.7	3,883.6	86.32
89.8	300.0	5,573.8	26,940.0	23,154.3	3,966.9	85.95
89.8	306.0	5,543.7	27,478.8	23,513.4	4,050.3	85.57
89.7	312.0	5,513.5	27,986.4	23,866.3	4,133.6	85.28
89.7	318.0	5,483.2	28,524.6	24,213.4	4,216.9	84.89
89.7	324.0	5,452.6	29,062.8	24,554.5	4,300.3	84.49
89.7	330.0	5,421.9	29,601.0	24,889.2	4,383.6	84.08
89.7	336.0	5,390.9	30,139.2	25,217.2	4,466.9	83.67
89.7	342.0	5,359.6	30,677.4	25,538.3	4,550.2	83.25
89.7	348.0	5,328.0	31,215.6	25,853.0	4,633.6	82.82
89.7	354.0	5,296.0	31,753.8	26,159.7	4,716.9	82.38
89.7	360.0	5,263.7	32,292.0	26,459.3	4,800.2	81.94
89.7	366.0	5,231.0	32,830.2	26,751.8	4,883.6	81.49
89.7	372.0	5,197.8	33,368.4	27,035.4	4,966.9	81.02
89.7	378.0	5,164.2	33,906.6	27,311.2	5,050.2	80.55
89.7	384.0	5,130.1	34,444.8	27,578.3	5,133.5	80.07
89.7	390.0	5,095.5	34,983.0	27,837.4	5,216.9	79.57
89.7	396.0	5,060.3	35,521.2	28,086.5	5,300.2	79.07
89.7	402.0	5,024.5	36,059.4	28,326.1	5,383.5	78.55
89.7	408.0	4,988.2	36,597.6	28,557.1	5,466.9	78.03

n_l = rpm with no load

I_o = current with no load

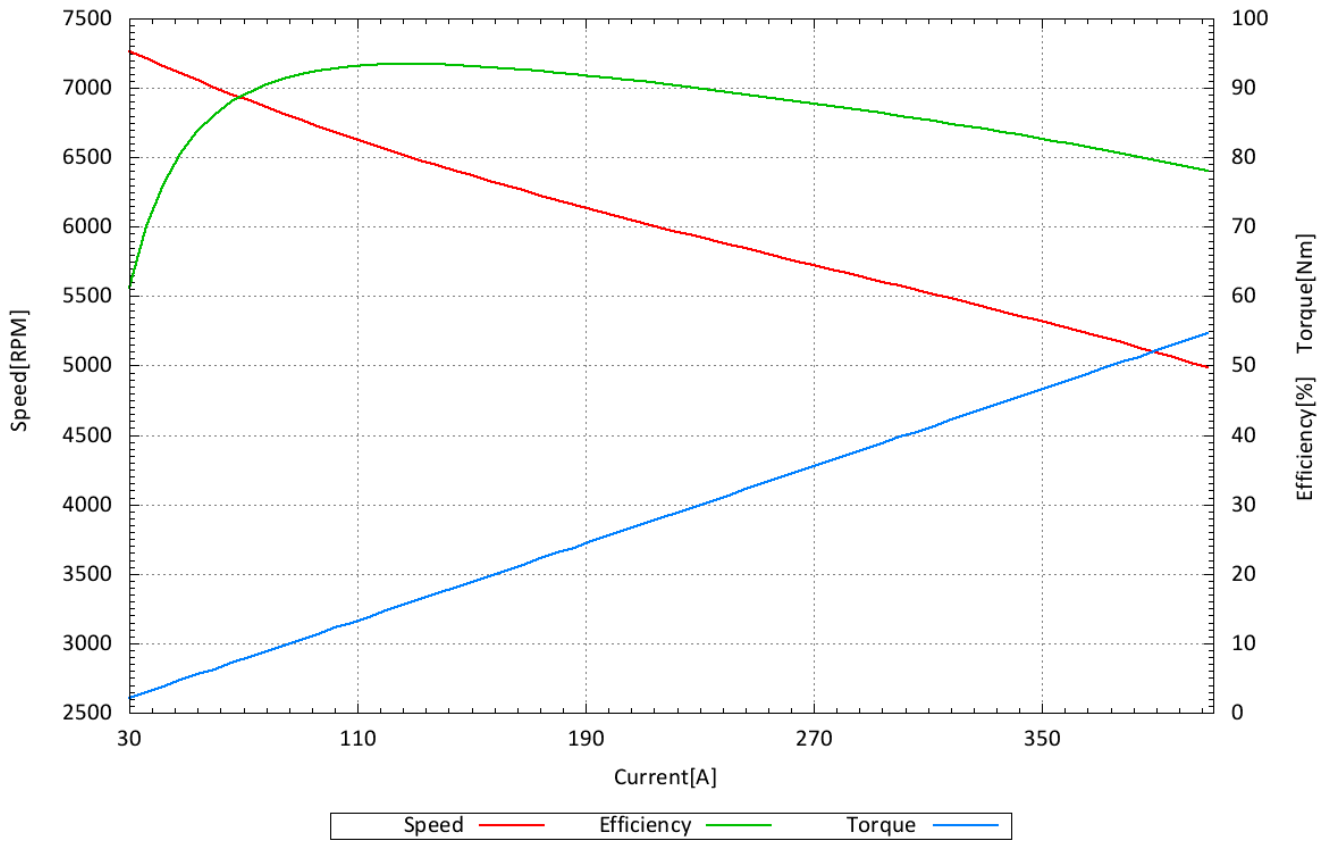
k_V = specific rpm

k_n = rpm drop per Amp

k_T = torque constant

¹ incl. Controller

HP875_70_A2_P30_90V_25032024



Report calculated on Test Bench Results

Motor type: **NOVA 15-70-A2 P30**

Date: 25.03.2024

Bearing type: regular

Controller: Common ESC

Measuring Parameter

Voltage: **100.0 [V]**

Throttle setting: 100%

Calculated Motor Constants

nl: 7,981.4 [RPM] lo: 15.0 [A] kv: 80.8 [RPM/V] kn: -6.72 [RPM/A] kT: 13.89 [Ncm/A]

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency ¹ [%]
100.0	30.0	8,076.5	3,000.0	1,756.7	207.7	58.56
100.0	36.0	8,016.4	3,600.0	2,442.9	291.0	67.86
100.0	42.0	7,957.7	4,200.0	3,120.0	374.4	74.29
100.0	48.0	7,900.2	4,800.0	3,786.6	457.7	78.89
100.0	54.0	7,844.0	5,400.0	4,443.9	541.0	82.29
100.0	60.0	7,789.0	6,000.0	5,093.0	624.4	84.88
99.9	66.0	7,735.2	6,593.4	5,732.6	707.7	86.94
99.9	72.0	7,682.6	7,192.8	6,363.8	791.0	88.47
99.9	78.0	7,631.1	7,792.2	6,986.8	874.3	89.66
99.9	84.0	7,580.6	8,391.6	7,602.6	957.7	90.60
99.9	90.0	7,531.3	8,991.0	8,210.1	1,041.0	91.31
99.9	96.0	7,482.9	9,590.4	8,810.1	1,124.3	91.86
99.9	102.0	7,435.5	10,189.8	9,403.7	1,207.7	92.29
99.9	108.0	7,389.1	10,789.2	9,989.6	1,291.0	92.59
99.9	114.0	7,343.6	11,388.6	10,568.6	1,374.3	92.80
99.9	120.0	7,299.0	11,988.0	11,141.2	1,457.6	92.94
99.9	126.0	7,255.3	12,587.4	11,708.1	1,541.0	93.01
99.9	132.0	7,212.4	13,186.8	12,268.0	1,624.3	93.03
99.9	138.0	7,170.3	13,786.2	12,821.9	1,707.6	93.01
99.9	144.0	7,128.9	14,385.6	13,370.5	1,791.0	92.94
99.9	150.0	7,088.3	14,985.0	13,912.6	1,874.3	92.84
99.9	156.0	7,048.4	15,584.4	14,449.2	1,957.6	92.72
99.9	162.0	7,009.2	16,183.8	14,980.2	2,040.9	92.56
99.9	168.0	6,970.5	16,783.2	15,506.3	2,124.3	92.39
99.9	174.0	6,932.5	17,382.6	16,026.5	2,207.6	92.20
99.9	180.0	6,895.1	17,982.0	16,541.5	2,290.9	91.99

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency ¹ [%]
99.8	186.0	6,858.1	18,562.8	17,051.7	2,374.3	91.86
99.8	192.0	6,821.7	19,161.6	17,556.3	2,457.6	91.62
99.8	198.0	6,785.8	19,760.4	18,055.8	2,540.9	91.37
99.8	204.0	6,750.3	20,359.2	18,550.2	2,624.2	91.11
99.8	210.0	6,715.2	20,958.0	19,040.2	2,707.6	90.85
99.8	216.0	6,680.4	21,556.8	19,524.3	2,790.9	90.57
99.8	222.0	6,646.1	22,155.6	20,003.8	2,874.2	90.29
99.8	228.0	6,612.0	22,754.4	20,478.6	2,957.6	90.00
99.8	234.0	6,578.2	23,353.2	20,947.8	3,040.9	89.70
99.8	240.0	6,544.6	23,952.0	21,411.7	3,124.2	89.39
99.8	246.0	6,511.2	24,550.8	21,870.4	3,207.5	89.08
99.8	252.0	6,478.1	25,149.6	22,325.0	3,290.9	88.77
99.8	258.0	6,445.0	25,748.4	22,773.1	3,374.2	88.44
99.8	264.0	6,412.1	26,347.2	23,216.2	3,457.5	88.12
99.8	270.0	6,379.3	26,946.0	23,654.6	3,540.9	87.79
99.8	276.0	6,346.5	27,544.8	24,086.6	3,624.2	87.45
99.8	282.0	6,313.7	28,143.6	24,512.8	3,707.5	87.10
99.8	288.0	6,280.9	28,742.4	24,933.4	3,790.8	86.75
99.8	294.0	6,248.0	29,341.2	25,348.5	3,874.2	86.39
99.8	300.0	6,215.1	29,940.0	25,757.1	3,957.5	86.03
99.8	306.0	6,182.1	30,538.8	26,159.7	4,040.8	85.66
99.7	312.0	6,148.9	31,106.4	26,556.2	4,124.2	85.37
99.7	318.0	6,115.5	31,704.6	26,945.4	4,207.5	84.99
99.7	324.0	6,081.9	32,302.8	27,327.9	4,290.8	84.60
99.7	330.0	6,048.0	32,901.0	27,703.1	4,374.1	84.20
99.7	336.0	6,013.9	33,499.2	28,072.2	4,457.5	83.80
99.7	342.0	5,979.5	34,097.4	28,433.2	4,540.8	83.39
99.7	348.0	5,944.7	34,695.6	28,786.3	4,624.1	82.97
99.7	354.0	5,909.6	35,293.8	29,132.5	4,707.5	82.54
99.7	360.0	5,874.0	35,892.0	29,469.4	4,790.8	82.11
99.7	366.0	5,838.0	36,490.2	29,798.0	4,874.1	81.66
99.7	372.0	5,801.6	37,088.4	30,118.3	4,957.4	81.21
99.7	378.0	5,764.6	37,686.6	30,429.7	5,040.8	80.74
99.7	384.0	5,727.1	38,284.8	30,731.3	5,124.1	80.27
99.7	390.0	5,689.0	38,883.0	31,023.1	5,207.4	79.79
99.7	396.0	5,650.3	39,481.2	31,305.6	5,290.8	79.29
99.7	402.0	5,611.0	40,079.4	31,577.3	5,374.1	78.79
99.7	408.0	5,571.0	40,677.6	31,838.1	5,457.4	78.27

n_l = rpm with no load

I_o = current with no load

k_V = specific rpm

k_n = rpm drop per Amp

k_T = torque constant

¹ incl. Controller

HP875_70_A2_P30_100V_25032024

