Report calculated on Test Bench Results

Motor type: **NOVA 15-25-B6 P30**

Date: 25.03.2024

Bearing type: regular

Controller: Common ESC

Measuring Parameter

Voltage: **15.0 [V]**

Throttle setting: 100%

Calculated Motor Constants

nl: 2,058.5 [RPM] Io: 6.3 [A] kV: 140.0 [RPM/V] kn: -6.47 [RPM/A] kT: 7.74 [Ncm/A]

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency[1] [%]
15.0	20.0	1,970.0	300.0	218.3	105.8	72.75
14.9	25.0	1,937.7	372.5	293.2	144.5	78.71
14.9	30.0	1,905.3	447.0	365.5	183.2	81.77
14.9	35.0	1,873.0	521.5	435.2	221.9	83.46
14.9	40.0	1,840.6	596.0	502.1	260.5	84.25
14.9	45.0	1,808.3	670.5	566.6	299.2	84.50
14.9	50.0	1,775.9	745.0	628.4	337.9	84.35
14.9	55.0	1,743.6	819.5	687.6	376.6	83.91
14.9	60.0	1,711.2	894.0	744.2	415.3	83.24
14.9	65.0	1,678.9	968.5	798.2	454.0	82.42
14.9	70.0	1,646.5	1,043.0	849.3	492.6	81.43
14.8	75.0	1,614.2	1,110.0	898.1	531.3	80.91
14.8	80.0	1,581.8	1,184.0	944.2	570.0	79.74
14.8	85.0	1,549.5	1,258.0	987.7	608.7	78.51
14.8	90.0	1,517.1	1,332.0	1,028.5	647.4	77.22
14.8	95.0	1,484.8	1,406.0	1,066.6	686.0	75.86
14.8	100.0	1,452.4	1,480.0	1,102.2	724.7	74.48
14.8	105.0	1,420.1	1,554.0	1,135.3	763.4	73.05
14.8	110.0	1,387.7	1,628.0	1,165.6	802.1	71.60
14.8	115.0	1,355.4	1,702.0	1,193.4	840.8	70.12
14.8	120.0	1,323.0	1,776.0	1,218.4	879.4	68.60
14.7	125.0	1,290.6	1,837.5	1,240.8	918.1	67.53
14.7	130.0	1,258.3	1,911.0	1,260.8	956.8	65.97
14.7	135.0	1,225.9	1,984.5	1,278.0	995.5	64.40
14.7	140.0	1,193.6	2,058.0	1,292.7	1,034.2	62.81
14.7	145.0	1,161.2	2,131.5	1,304.5	1,072.8	61.20

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency[1] [%]
14.7	150.0	1,128.9	2,205.0	1,314.0	1,111.5	59.59
14.7	155.0	1,096.5	2,278.5	1,320.7	1,150.2	57.96
14.7	160.0	1,064.2	2,352.0	1,324.9	1,188.9	56.33
14.7	165.0	1,031.8	2,425.5	1,326.4	1,227.6	54.69
14.7	170.0	999.5	2,499.0	1,325.3	1,266.2	53.03
14.6	175.0	967.1	2,555.0	1,321.5	1,304.9	51.72
14.6	180.0	934.8	2,628.0	1,315.3	1,343.6	50.05
14.6	185.0	902.4	2,701.0	1,306.3	1,382.3	48.36
14.6	190.0	870.1	2,774.0	1,294.8	1,421.0	46.68
14.6	195.0	837.7	2,847.0	1,280.4	1,459.6	44.97
14.6	200.0	805.4	2,920.0	1,263.7	1,498.3	43.28
14.6	205.0	773.0	2,993.0	1,244.2	1,537.0	41.57
14.6	210.0	740.7	3,066.0	1,222.2	1,575.7	39.86
14.6	215.0	708.3	3,139.0	1,197.4	1,614.4	38.15
14.6	220.0	676.0	3,212.0	1,170.2	1,653.0	36.43
14.5	225.0	643.6	3,262.5	1,140.2	1,691.7	34.95
14.5	230.0	611.3	3,335.0	1,107.7	1,730.4	33.21
14.5	235.0	578.9	3,407.5	1,072.5	1,769.1	31.47
14.5	240.0	546.6	3,480.0	1,034.8	1,807.8	29.74
14.5	245.0	514.2	3,552.5	994.2	1,846.4	27.99
14.5	250.0	481.9	3,625.0	951.3	1,885.1	26.24
14.5	255.0	449.5	3,697.5	905.6	1,923.8	24.49

nl = rpm with no load

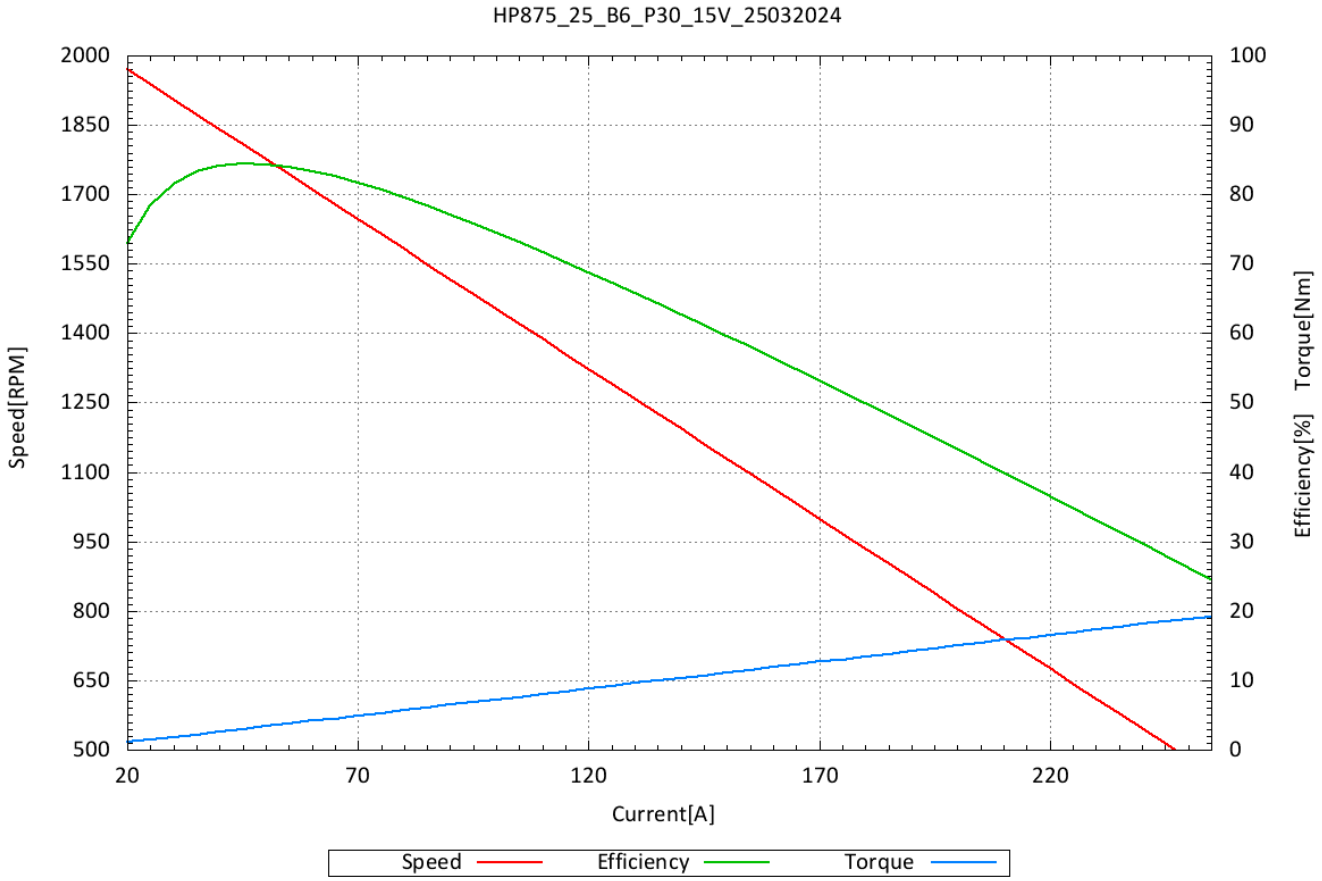
Io = current with no load

kV = specific rpm

kn = rpm drop per Amp

kT = torque constant

[1] incl. Controller


HP875_25_B6_P30_15V_25032024
Speed[RPM]
Efficiency[%] Torque[Nm]
Current[A]
2000
1850
1700
1550
1400
1250
1100
950
800
650
500
100
90
80
70
60
50
40
30
20
10
0
20
70
120
170
220
Speed
Efficiency
Torque

Report calculated on Test Bench Results

Motor type: **NOVA 15-25-B6 P30**

Date: 25.03.2024

Bearing type: regular

Controller: Common ESC

Measuring Parameter

Voltage: **20.0 [V]**

Throttle setting: 100%

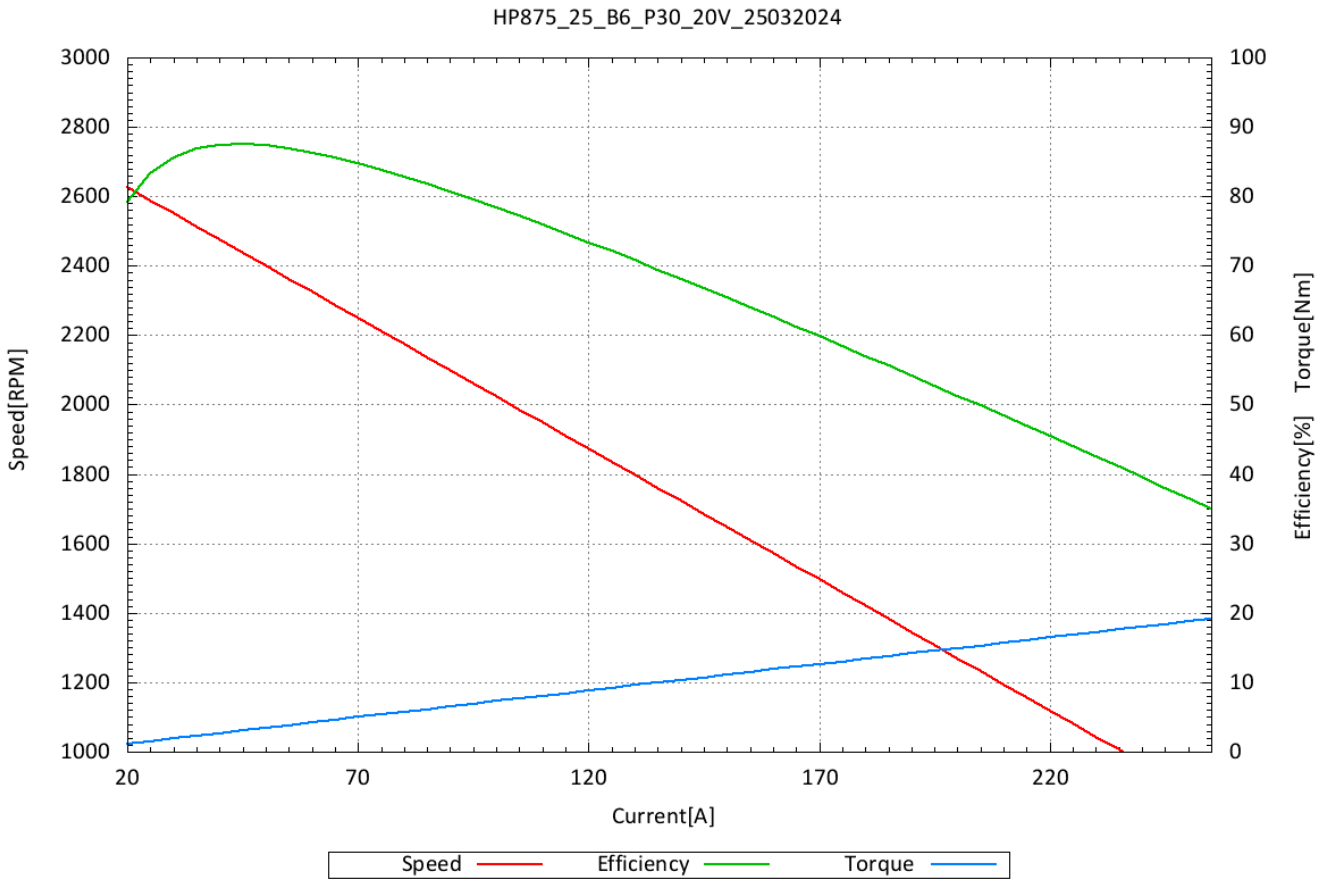
Calculated Motor Constants

nl: 2,739.6 [RPM] Io: 5.0 [A] kV: 138.9 [RPM/V] kn: -7.54 [RPM/A] kT: 7.67 [Ncm/A]

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency[1] [%]
19.9	20.0	2,626.7	398.0	315.8	114.8	79.34
19.9	25.0	2,589.0	497.5	415.4	153.2	83.49
19.9	30.0	2,551.3	597.0	511.6	191.5	85.70
19.9	35.0	2,513.6	696.5	604.9	229.8	86.85
19.9	40.0	2,475.9	796.0	695.4	268.2	87.36
19.9	45.0	2,438.2	895.5	782.6	306.5	87.39
19.8	50.0	2,400.6	990.0	866.8	344.8	87.55
19.8	55.0	2,362.9	1,089.0	948.0	383.1	87.05
19.8	60.0	2,325.2	1,188.0	1,026.3	421.5	86.39
19.8	65.0	2,287.5	1,287.0	1,101.4	459.8	85.58
19.8	70.0	2,249.8	1,386.0	1,173.5	498.1	84.67
19.8	75.0	2,212.1	1,485.0	1,242.8	536.5	83.69
19.8	80.0	2,174.4	1,584.0	1,308.8	574.8	82.63
19.7	85.0	2,136.7	1,674.5	1,371.8	613.1	81.93
19.7	90.0	2,099.0	1,773.0	1,432.0	651.5	80.77
19.7	95.0	2,061.4	1,871.5	1,489.1	689.8	79.57
19.7	100.0	2,023.7	1,970.0	1,543.0	728.1	78.32
19.7	105.0	1,986.0	2,068.5	1,593.9	766.4	77.06
19.7	110.0	1,948.3	2,167.0	1,642.0	804.8	75.77
19.6	115.0	1,910.6	2,254.0	1,686.9	843.1	74.84
19.6	120.0	1,872.9	2,352.0	1,728.7	881.4	73.50
19.6	125.0	1,835.2	2,450.0	1,767.7	919.8	72.15
19.6	130.0	1,797.5	2,548.0	1,803.5	958.1	70.78
19.6	135.0	1,759.9	2,646.0	1,836.3	996.4	69.40
19.6	140.0	1,722.2	2,744.0	1,866.2	1,034.8	68.01
19.5	145.0	1,684.5	2,827.5	1,893.0	1,073.1	66.95

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency[1] [%]
19.5	150.0	1,646.8	2,925.0	1,916.6	1,111.4	65.53
19.5	155.0	1,609.1	3,022.5	1,937.3	1,149.7	64.10
19.5	160.0	1,571.4	3,120.0	1,955.1	1,188.1	62.66
19.5	165.0	1,533.7	3,217.5	1,969.7	1,226.4	61.22
19.5	170.0	1,496.0	3,315.0	1,981.3	1,264.7	59.77
19.5	175.0	1,458.3	3,412.5	1,990.0	1,303.1	58.32
19.4	180.0	1,420.7	3,492.0	1,995.7	1,341.4	57.15
19.4	185.0	1,383.0	3,589.0	1,998.2	1,379.7	55.68
19.4	190.0	1,345.3	3,686.0	1,997.8	1,418.1	54.20
19.4	195.0	1,307.6	3,783.0	1,994.3	1,456.4	52.72
19.4	200.0	1,269.9	3,880.0	1,987.7	1,494.7	51.23
19.4	205.0	1,232.2	3,977.0	1,978.1	1,533.0	49.74
19.3	210.0	1,194.5	4,053.0	1,965.6	1,571.4	48.50
19.3	215.0	1,156.8	4,149.5	1,950.0	1,609.7	46.99
19.3	220.0	1,119.2	4,246.0	1,931.5	1,648.0	45.49
19.3	225.0	1,081.5	4,342.5	1,909.9	1,686.4	43.98
19.3	230.0	1,043.8	4,439.0	1,885.2	1,724.7	42.47
19.3	235.0	1,006.1	4,535.5	1,857.5	1,763.0	40.95
19.3	240.0	968.4	4,632.0	1,826.8	1,801.4	39.44
19.2	245.0	930.7	4,704.0	1,793.0	1,839.7	38.12
19.2	250.0	893.0	4,800.0	1,756.2	1,878.0	36.59
19.2	255.0	855.3	4,896.0	1,716.4	1,916.3	35.06

nl = rpm with no load
Io = current with no load
kV = specific rpm
kn = rpm drop per Amp
kT = torque constant
[1] incl. Controller


HP875_25_B6_P30_20V_25032024
Speed[RPM]
Efficiency[%] Torque[Nm]
Current[A]
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
100
90
80
70
60
50
40
30
20
10
0
20
70
120
170
220
Speed
Efficiency
Torque

Report calculated on Test Bench Results

Motor type: **NOVA 15-25-B6 P30**

Date: 25.03.2024

Bearing type: regular

Controller: Common ESC

Measuring Parameter

Voltage: **25.0 [V]**

Throttle setting: 100%

Calculated Motor Constants

nl: 3,424.4 [RPM] Io: 6.5 [A] kV: 139.2 [RPM/V] kn: -8.69 [RPM/A] kT: 7.89 [Ncm/A]

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency[1] [%]
24.9	20.0	3,306.7	498.0	369.8	106.8	74.26
24.9	25.0	3,263.2	622.5	499.6	146.2	80.26
24.9	30.0	3,219.7	747.0	626.1	185.7	83.82
24.9	35.0	3,176.3	871.5	748.7	225.1	85.91
24.9	40.0	3,132.8	996.0	867.7	264.5	87.12
24.9	45.0	3,089.3	1,120.5	983.5	304.0	87.77
24.9	50.0	3,045.9	1,245.0	1,095.3	343.4	87.98
24.8	55.0	3,002.4	1,364.0	1,203.6	382.8	88.24
24.8	60.0	2,958.9	1,488.0	1,308.2	422.2	87.92
24.8	65.0	2,915.5	1,612.0	1,409.6	461.7	87.45
24.8	70.0	2,872.0	1,736.0	1,507.1	501.1	86.81
24.8	75.0	2,828.5	1,860.0	1,601.0	540.5	86.07
24.8	80.0	2,785.1	1,984.0	1,691.6	580.0	85.26
24.8	85.0	2,741.6	2,108.0	1,778.3	619.4	84.36
24.7	90.0	2,698.1	2,223.0	1,861.4	658.8	83.73
24.7	95.0	2,654.7	2,346.5	1,941.0	698.2	82.72
24.7	100.0	2,611.2	2,470.0	2,017.2	737.7	81.67
24.7	105.0	2,567.7	2,593.5	2,089.5	777.1	80.57
24.7	110.0	2,524.2	2,717.0	2,158.3	816.5	79.44
24.7	115.0	2,480.8	2,840.5	2,223.8	856.0	78.29
24.7	120.0	2,437.3	2,964.0	2,285.4	895.4	77.10
24.6	125.0	2,393.8	3,075.0	2,343.3	934.8	76.21
24.6	130.0	2,350.4	3,198.0	2,398.1	974.3	74.99
24.6	135.0	2,306.9	3,321.0	2,448.9	1,013.7	73.74
24.6	140.0	2,263.4	3,444.0	2,496.1	1,053.1	72.48
24.6	145.0	2,220.0	3,567.0	2,539.8	1,092.5	71.20

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency[1] [%]
24.6	150.0	2,176.5	3,690.0	2,580.1	1,132.0	69.92
24.6	155.0	2,133.0	3,813.0	2,616.5	1,171.4	68.62
24.5	160.0	2,089.6	3,920.0	2,649.5	1,210.8	67.59
24.5	165.0	2,046.1	4,042.5	2,679.0	1,250.3	66.27
24.5	170.0	2,002.6	4,165.0	2,704.7	1,289.7	64.94
24.5	175.0	1,959.2	4,287.5	2,726.9	1,329.1	63.60
24.5	180.0	1,915.7	4,410.0	2,745.6	1,368.6	62.26
24.5	185.0	1,872.2	4,532.5	2,760.5	1,408.0	60.90
24.5	190.0	1,828.8	4,655.0	2,771.9	1,447.4	59.55
24.5	195.0	1,785.3	4,777.5	2,779.7	1,486.8	58.18
24.4	200.0	1,741.8	4,880.0	2,784.0	1,526.3	57.05
24.4	205.0	1,698.3	5,002.0	2,784.5	1,565.7	55.67
24.4	210.0	1,654.9	5,124.0	2,781.6	1,605.1	54.29
24.4	215.0	1,611.4	5,246.0	2,775.2	1,644.6	52.90
24.4	220.0	1,567.9	5,368.0	2,765.0	1,684.0	51.51
24.4	225.0	1,524.5	5,490.0	2,751.3	1,723.4	50.12
24.4	230.0	1,481.0	5,612.0	2,734.1	1,762.9	48.72
24.3	235.0	1,437.5	5,710.5	2,713.1	1,802.3	47.51
24.3	240.0	1,394.1	5,832.0	2,688.7	1,841.7	46.10
24.3	245.0	1,350.6	5,953.5	2,660.5	1,881.1	44.69
24.3	250.0	1,307.1	6,075.0	2,628.9	1,920.6	43.27
24.3	255.0	1,263.7	6,196.5	2,593.8	1,960.0	41.86

nl = rpm with no load

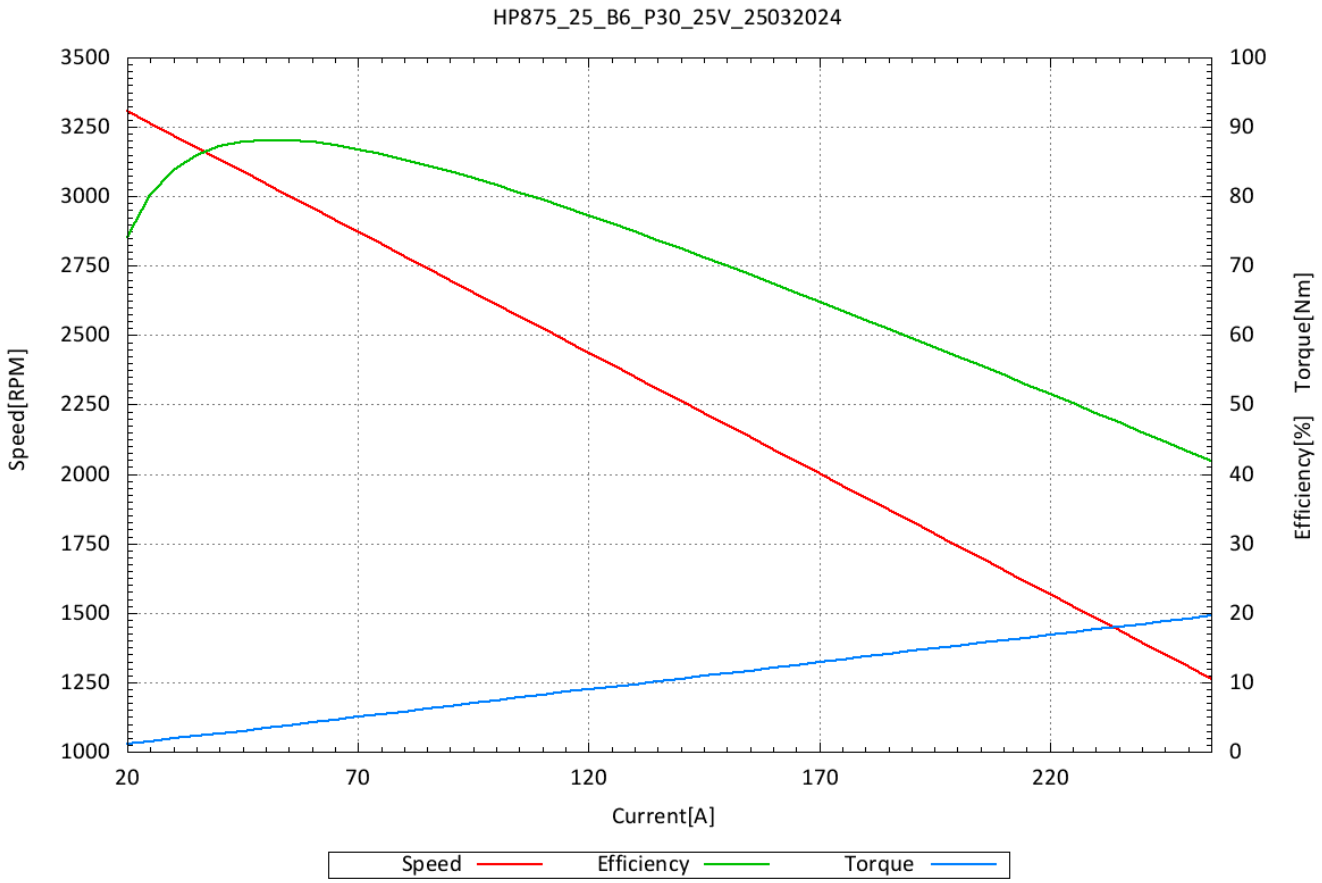
Io = current with no load

kV = specific rpm

kn = rpm drop per Amp

kT = torque constant

[1] incl. Controller


HP875_25_B6_P30_25V_25032024
Speed[RPM]
Efficiency[%]
Torque[Nm]
Current[A]
3500
3250
3000
2750
2500
2250
2000
1750
1500
1250
1000
100
90
80
70
60
50
40
30
20
10
0
20
70
120
170
220
Speed
Efficiency
Torque

Report calculated on Test Bench Results

Motor type: **NOVA 15-25-B6 P30**

Date: 25.03.2024

Bearing type: regular

Controller: Common ESC

Measuring Parameter

Voltage: **30.0 [V]**

Throttle setting: 100%

Calculated Motor Constants

nl: 4,086.2 [RPM] Io: 6.7 [A] kV: 138.3 [RPM/V] kn: -9.47 [RPM/A] kT: 8.04 [Ncm/A]

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency[1] [%]
30.0	20.0	3,959.9	600.0	444.5	107.2	74.09
30.0	25.0	3,912.6	750.0	603.9	147.4	80.52
29.9	30.0	3,865.2	897.0	759.3	187.6	84.65
29.9	35.0	3,817.9	1,046.5	910.8	227.8	87.03
29.9	40.0	3,770.5	1,196.0	1,058.2	268.0	88.48
29.9	45.0	3,723.2	1,345.5	1,201.6	308.2	89.31
29.9	50.0	3,675.8	1,495.0	1,341.1	348.4	89.71
29.9	55.0	3,628.4	1,644.5	1,476.5	388.6	89.79
29.9	60.0	3,581.1	1,794.0	1,608.1	428.8	89.63
29.9	65.0	3,533.7	1,943.5	1,735.5	469.0	89.30
29.9	70.0	3,486.4	2,093.0	1,859.1	509.2	88.82
29.9	75.0	3,439.0	2,242.5	1,978.6	549.4	88.23
29.8	80.0	3,391.7	2,384.0	2,094.1	589.6	87.84
29.8	85.0	3,344.3	2,533.0	2,205.6	629.8	87.08
29.8	90.0	3,297.0	2,682.0	2,313.2	670.0	86.25
29.8	95.0	3,249.6	2,831.0	2,416.8	710.2	85.37
29.8	100.0	3,202.3	2,980.0	2,516.4	750.4	84.44
29.8	105.0	3,154.9	3,129.0	2,612.0	790.6	83.48
29.8	110.0	3,107.5	3,278.0	2,703.6	830.8	82.48
29.8	115.0	3,060.2	3,427.0	2,791.2	871.0	81.45
29.8	120.0	3,012.8	3,576.0	2,874.8	911.2	80.39
29.8	125.0	2,965.5	3,725.0	2,954.5	951.4	79.32
29.7	130.0	2,918.1	3,861.0	3,030.2	991.6	78.48
29.7	135.0	2,870.8	4,009.5	3,101.9	1,031.8	77.36
29.7	140.0	2,823.4	4,158.0	3,169.5	1,072.0	76.23
29.7	145.0	2,776.1	4,306.5	3,233.3	1,112.2	75.08

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency[1] [%]
29.7	150.0	2,728.7	4,455.0	3,293.0	1,152.4	73.92
29.7	155.0	2,681.4	4,603.5	3,348.8	1,192.6	72.74
29.7	160.0	2,634.0	4,752.0	3,400.5	1,232.8	71.56
29.7	165.0	2,586.7	4,900.5	3,448.3	1,273.0	70.37
29.7	170.0	2,539.3	5,049.0	3,492.0	1,313.2	69.16
29.7	175.0	2,491.9	5,197.5	3,531.7	1,353.4	67.95
29.7	180.0	2,444.6	5,346.0	3,567.6	1,393.6	66.73
29.6	185.0	2,397.2	5,476.0	3,599.6	1,433.9	65.73
29.6	190.0	2,349.9	5,624.0	3,627.5	1,474.1	64.50
29.6	195.0	2,302.5	5,772.0	3,651.2	1,514.3	63.26
29.6	200.0	2,255.2	5,920.0	3,671.2	1,554.5	62.01
29.6	205.0	2,207.8	6,068.0	3,687.0	1,594.7	60.76
29.6	210.0	2,160.5	6,216.0	3,698.9	1,634.9	59.51
29.6	215.0	2,113.1	6,364.0	3,706.7	1,675.1	58.25
29.6	220.0	2,065.8	6,512.0	3,710.7	1,715.3	56.98
29.6	225.0	2,018.4	6,660.0	3,710.5	1,755.5	55.71
29.6	230.0	1,971.0	6,808.0	3,706.4	1,795.7	54.44
29.5	235.0	1,923.7	6,932.5	3,698.4	1,835.9	53.35
29.5	240.0	1,876.3	7,080.0	3,686.3	1,876.1	52.07
29.5	245.0	1,829.0	7,227.5	3,670.3	1,916.3	50.78
29.5	250.0	1,781.6	7,375.0	3,650.2	1,956.5	49.49
29.5	255.0	1,734.3	7,522.5	3,626.3	1,996.7	48.21

nl = rpm with no load

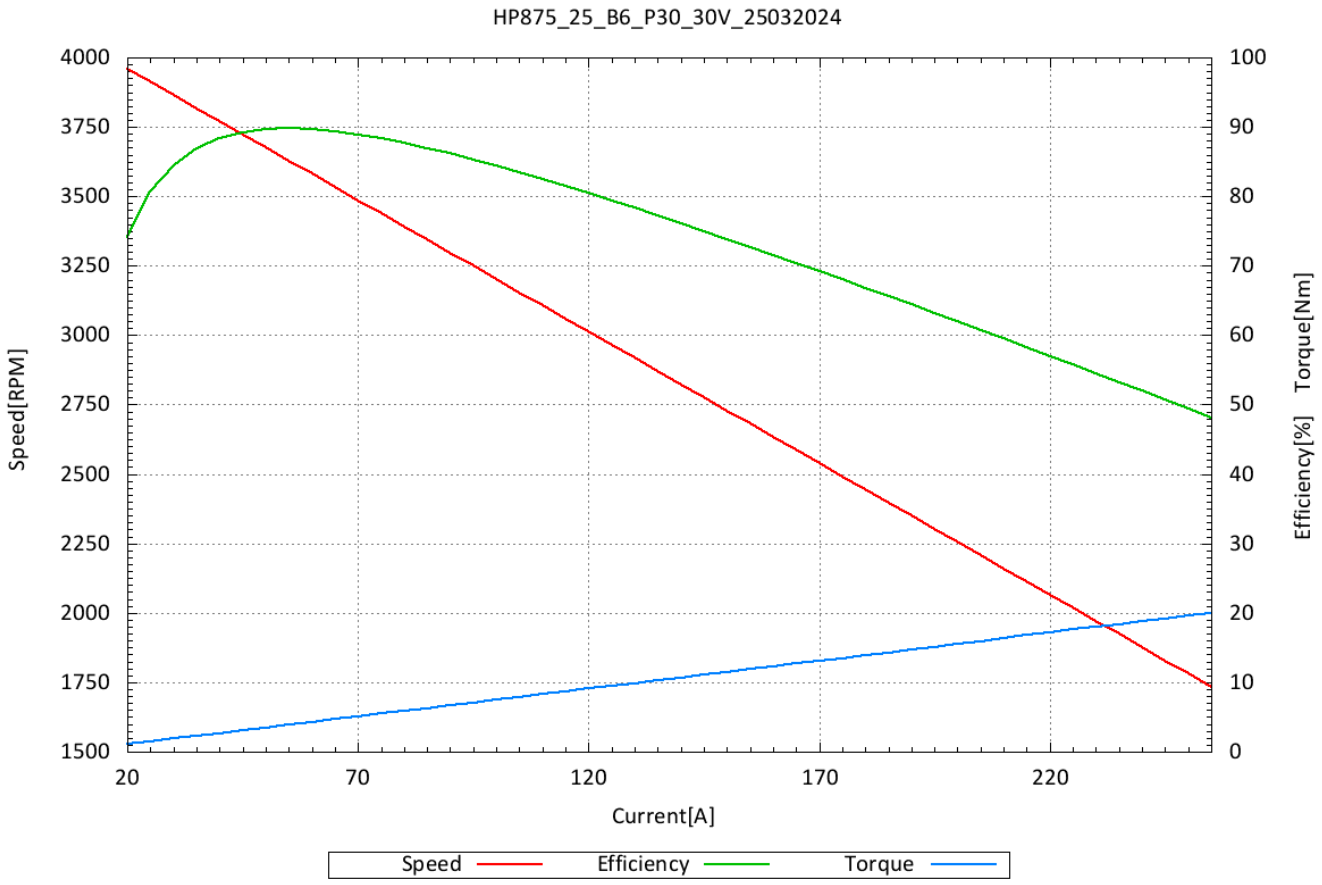
Io = current with no load

kV = specific rpm

kn = rpm drop per Amp

kT = torque constant

[1] incl. Controller


HP875_25_B6_P30_30V_25032024
Speed[RPM]
Efficiency[%]
Torque[Nm]
Current[A]
4000
3750
3500
3250
3000
2750
2500
2250
2000
1750
1500
100
90
80
70
60
50
40
30
20
10
0
20
70
120
170
220
Speed
Efficiency
Torque

Report calculated on Test Bench Results

Motor type: **NOVA 15-25-B6 P30**

Date: 25.03.2024

Bearing type: regular

Controller: Common ESC

Measuring Parameter

Voltage: **35.0 [V]**

Throttle setting: 100%

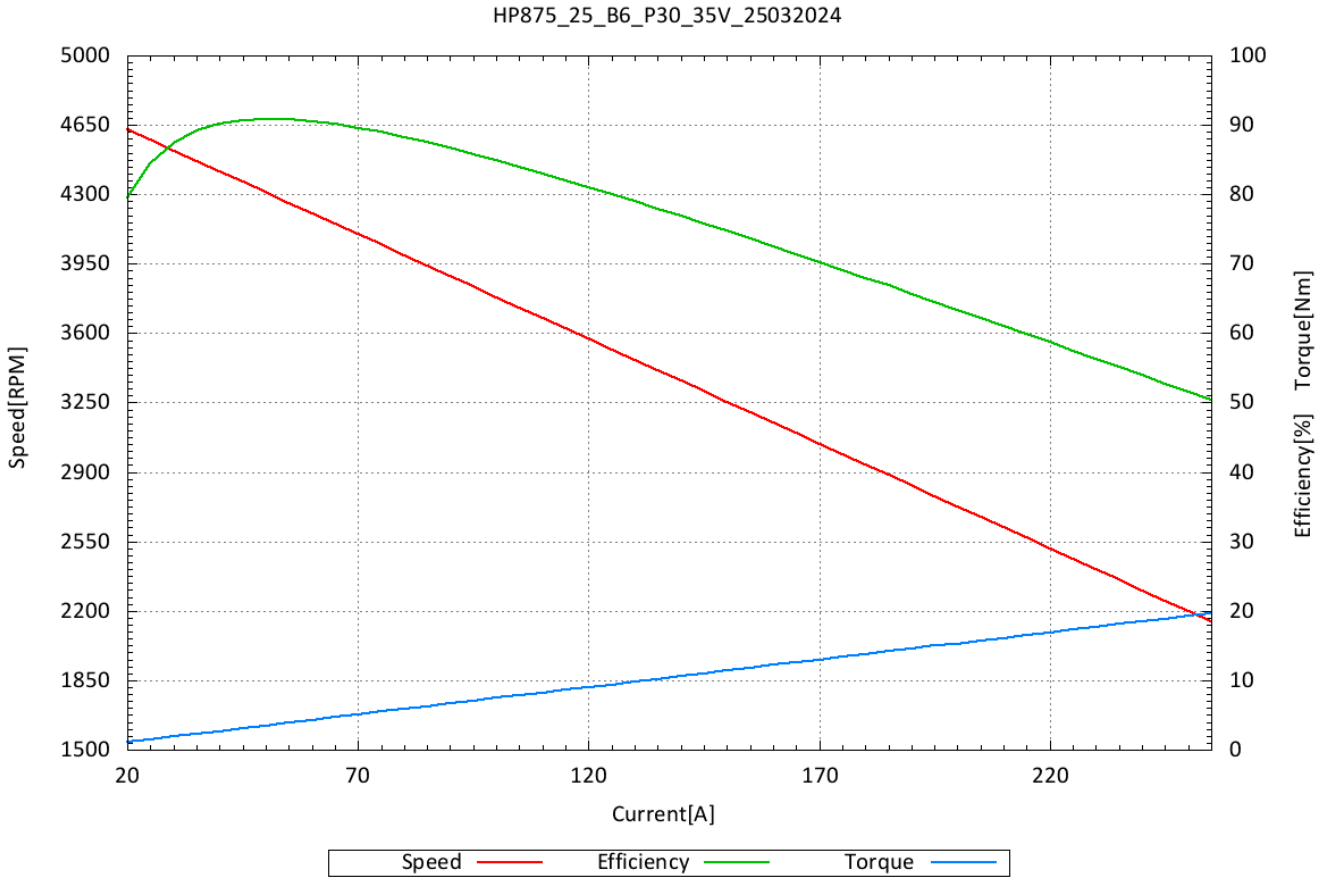
Calculated Motor Constants

nl: 4,780.7 [RPM] Io: 5.5 [A] kV: 138.2 [RPM/V] kn: -10.56 [RPM/A] kT: 7.89 [Ncm/A]

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency[1] [%]
35.0	20.0	4,627.2	700.0	555.8	114.7	79.40
34.9	25.0	4,574.4	872.5	738.2	154.1	84.61
34.9	30.0	4,521.6	1,047.0	916.2	193.5	87.51
34.9	35.0	4,468.9	1,221.5	1,090.4	233.0	89.27
34.9	40.0	4,416.1	1,396.0	1,259.7	272.4	90.24
34.9	45.0	4,363.3	1,570.5	1,425.1	311.9	90.74
34.9	50.0	4,310.5	1,745.0	1,585.7	351.3	90.87
34.9	55.0	4,257.7	1,919.5	1,742.0	390.7	90.75
34.9	60.0	4,204.9	2,094.0	1,894.3	430.2	90.46
34.9	65.0	4,152.1	2,268.5	2,041.9	469.6	90.01
34.8	70.0	4,099.3	2,436.0	2,185.5	509.1	89.71
34.8	75.0	4,046.5	2,610.0	2,324.3	548.5	89.05
34.8	80.0	3,993.7	2,784.0	2,458.7	587.9	88.32
34.8	85.0	3,941.0	2,958.0	2,589.3	627.4	87.53
34.8	90.0	3,888.2	3,132.0	2,715.0	666.8	86.69
34.8	95.0	3,835.4	3,306.0	2,836.8	706.3	85.81
34.8	100.0	3,782.6	3,480.0	2,953.8	745.7	84.88
34.8	105.0	3,729.8	3,654.0	3,066.5	785.1	83.92
34.8	110.0	3,677.0	3,828.0	3,175.2	824.6	82.95
34.7	115.0	3,624.2	3,990.5	3,279.1	864.0	82.17
34.7	120.0	3,571.4	4,164.0	3,379.1	903.5	81.15
34.7	125.0	3,518.6	4,337.5	3,474.3	942.9	80.10
34.7	130.0	3,465.9	4,511.0	3,565.2	982.3	79.03
34.7	135.0	3,413.1	4,684.5	3,652.1	1,021.8	77.96
34.7	140.0	3,360.3	4,858.0	3,734.3	1,061.2	76.87
34.7	145.0	3,307.5	5,031.5	3,812.4	1,100.7	75.77

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency[1] [%]
34.7	150.0	3,254.7	5,205.0	3,885.8	1,140.1	74.66
34.7	155.0	3,201.9	5,378.5	3,954.9	1,179.5	73.53
34.6	160.0	3,149.1	5,536.0	4,019.9	1,219.0	72.61
34.6	165.0	3,096.3	5,709.0	4,080.3	1,258.4	71.47
34.6	170.0	3,043.5	5,882.0	4,136.6	1,297.9	70.33
34.6	175.0	2,990.7	6,055.0	4,188.2	1,337.3	69.17
34.6	180.0	2,938.0	6,228.0	4,235.6	1,376.7	68.01
34.6	185.0	2,885.2	6,401.0	4,278.9	1,416.2	66.85
34.6	190.0	2,832.4	6,574.0	4,317.4	1,455.6	65.67
34.6	195.0	2,779.6	6,747.0	4,351.9	1,495.1	64.50
34.6	200.0	2,726.8	6,920.0	4,381.8	1,534.5	63.32
34.6	205.0	2,674.0	7,093.0	4,407.5	1,574.0	62.14
34.5	210.0	2,621.2	7,245.0	4,428.6	1,613.4	61.13
34.5	215.0	2,568.4	7,417.5	4,445.4	1,652.8	59.93
34.5	220.0	2,515.6	7,590.0	4,458.1	1,692.3	58.74
34.5	225.0	2,462.9	7,762.5	4,466.3	1,731.7	57.54
34.5	230.0	2,410.1	7,935.0	4,470.2	1,771.2	56.34
34.5	235.0	2,357.3	8,107.5	4,469.6	1,810.6	55.13
34.5	240.0	2,304.5	8,280.0	4,464.5	1,850.0	53.92
34.5	245.0	2,251.7	8,452.5	4,455.4	1,889.5	52.71
34.5	250.0	2,198.9	8,625.0	4,441.6	1,928.9	51.50
34.4	255.0	2,146.1	8,772.0	4,423.8	1,968.4	50.43

nl = rpm with no load
Io = current with no load
kV = specific rpm
kn = rpm drop per Amp
kT = torque constant
[1] incl. Controller


HP875_25_B6_P30_35V_25032024
Speed[RPM]
Efficiency[%]
Torque[Nm]
Current[A]
5000
4650
4300
3950
3600
3250
2900
2550
2200
1850
1500
100
90
80
70
60
50
40
30
20
10
0
20
70
120
170
220
Speed
Efficiency
Torque

Report calculated on Test Bench Results

Motor type: **NOVA 15-25-B6 P30**

Date: 25.03.2024

Bearing type: regular

Controller: Common ESC

Measuring Parameter

Voltage: **40.0 [V]**

Throttle setting: 100%

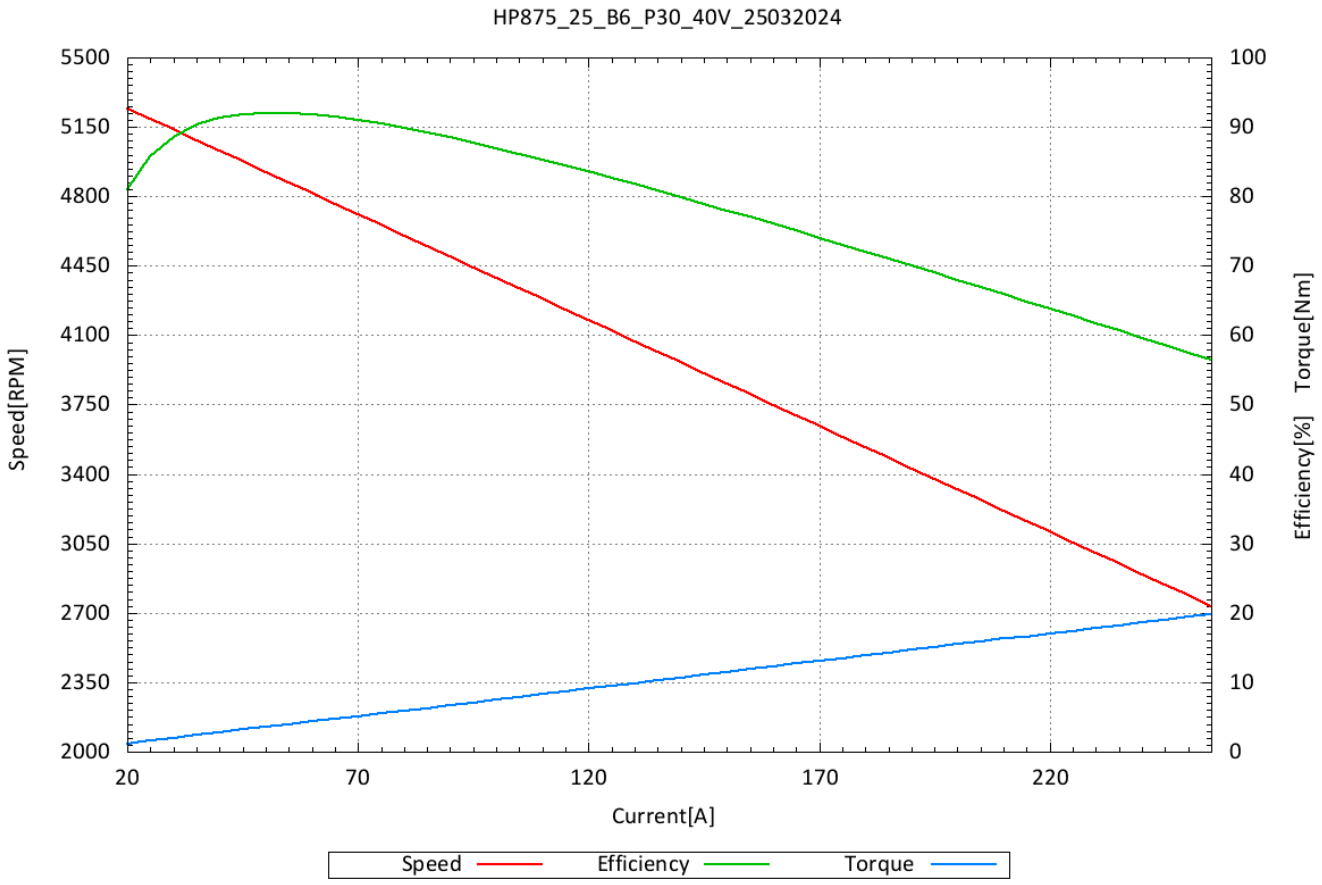
Calculated Motor Constants

nl: 5,402.0 [RPM] Io: 5.1 [A] kV: 136.4 [RPM/V] kn: -10.67 [RPM/A] kT: 7.93 [Ncm/A]

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency[1] [%]
40.0	20.0	5,243.2	800.0	647.9	118.0	80.99
39.9	25.0	5,189.9	997.5	857.1	157.7	85.92
39.9	30.0	5,136.5	1,197.0	1,061.3	197.3	88.66
39.9	35.0	5,083.2	1,396.5	1,261.6	237.0	90.34
39.9	40.0	5,029.8	1,596.0	1,456.9	276.6	91.28
39.9	45.0	4,976.5	1,795.5	1,648.4	316.3	91.81
39.9	50.0	4,923.1	1,995.0	1,835.3	356.0	92.00
39.9	55.0	4,869.8	2,194.5	2,017.4	395.6	91.93
39.9	60.0	4,816.4	2,394.0	2,195.5	435.3	91.71
39.9	65.0	4,763.0	2,593.5	2,368.7	474.9	91.33
39.8	70.0	4,709.7	2,786.0	2,538.0	514.6	91.10
39.8	75.0	4,656.3	2,985.0	2,702.8	554.3	90.55
39.8	80.0	4,603.0	3,184.0	2,862.7	593.9	89.91
39.8	85.0	4,549.6	3,383.0	3,018.7	633.6	89.23
39.8	90.0	4,496.3	3,582.0	3,169.8	673.2	88.49
39.8	95.0	4,442.9	3,781.0	3,316.8	712.9	87.72
39.8	100.0	4,389.6	3,980.0	3,459.5	752.6	86.92
39.8	105.0	4,336.2	4,179.0	3,597.3	792.2	86.08
39.8	110.0	4,282.9	4,378.0	3,731.1	831.9	85.22
39.7	115.0	4,229.5	4,565.5	3,860.0	871.5	84.55
39.7	120.0	4,176.2	4,764.0	3,985.0	911.2	83.65
39.7	125.0	4,122.8	4,962.5	4,105.4	950.9	82.73
39.7	130.0	4,069.4	5,161.0	4,221.0	990.5	81.79
39.7	135.0	4,016.1	5,359.5	4,332.7	1,030.2	80.84
39.7	140.0	3,962.7	5,558.0	4,439.4	1,069.8	79.87
39.7	145.0	3,909.4	5,756.5	4,542.2	1,109.5	78.91

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency[1] [%]
39.7	150.0	3,856.0	5,955.0	4,640.5	1,149.2	77.93
39.7	155.0	3,802.7	6,153.5	4,734.0	1,188.8	76.93
39.6	160.0	3,749.3	6,336.0	4,823.4	1,228.5	76.13
39.6	165.0	3,696.0	6,534.0	4,908.1	1,268.1	75.12
39.6	170.0	3,642.6	6,732.0	4,988.6	1,307.8	74.10
39.6	175.0	3,589.3	6,930.0	5,064.5	1,347.4	73.08
39.6	180.0	3,535.9	7,128.0	5,136.1	1,387.1	72.06
39.6	185.0	3,482.5	7,326.0	5,203.3	1,426.8	71.03
39.6	190.0	3,429.2	7,524.0	5,265.9	1,466.4	69.99
39.6	195.0	3,375.8	7,722.0	5,324.3	1,506.1	68.95
39.6	200.0	3,322.5	7,920.0	5,378.0	1,545.7	67.90
39.6	205.0	3,269.1	8,118.0	5,427.4	1,585.4	66.86
39.5	210.0	3,215.8	8,295.0	5,472.7	1,625.1	65.98
39.5	215.0	3,162.4	8,492.5	5,512.9	1,664.7	64.92
39.5	220.0	3,109.1	8,690.0	5,549.3	1,704.4	63.86
39.5	225.0	3,055.7	8,887.5	5,580.7	1,744.0	62.79
39.5	230.0	3,002.4	9,085.0	5,608.1	1,783.7	61.73
39.5	235.0	2,949.0	9,282.5	5,631.0	1,823.4	60.66
39.5	240.0	2,895.7	9,480.0	5,649.3	1,863.0	59.59
39.5	245.0	2,842.3	9,677.5	5,663.3	1,902.7	58.52
39.5	250.0	2,788.9	9,875.0	5,672.5	1,942.3	57.44
39.4	255.0	2,735.6	10,047.0	5,677.9	1,982.0	56.51

nl = rpm with no load
Io = current with no load
kV = specific rpm
kn = rpm drop per Amp
kT = torque constant
[1] incl. Controller


HP875_25_B6_P30_40V_25032024
Speed[RPM]
Efficiency[%] Torque[Nm]
Current[A]
5500
5150
4800
4450
4100
3750
3400
3050
2700
2350
2000
100
90
80
70
60
50
40
30
20
10
0
20
70
120
170
220
Speed
Efficiency
Torque

Report calculated on Test Bench Results

Motor type: **NOVA 15-25-B6 P30**

Date: 25.03.2024

Bearing type: regular

Controller: Common ESC

Measuring Parameter

Voltage: **45.0 [V]**

Throttle setting: 100%

Calculated Motor Constants

nl: 6,038.0 [RPM] Io: 5.7 [A] kV: 135.6 [RPM/V] kn: -11.31 [RPM/A] kT: 8.04 [Ncm/A]

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency[1] [%]
44.9	20.0	5,875.8	898.0	709.5	115.3	79.00
44.9	25.0	5,819.3	1,122.5	947.6	155.5	84.42
44.9	30.0	5,762.7	1,347.0	1,181.0	195.7	87.68
44.9	35.0	5,706.1	1,571.5	1,409.6	235.9	89.70
44.9	40.0	5,649.6	1,796.0	1,633.5	276.1	90.95
44.9	45.0	5,593.0	2,020.5	1,852.0	316.2	91.66
44.9	50.0	5,536.5	2,245.0	2,066.3	356.4	92.04
44.9	55.0	5,479.9	2,469.5	2,275.9	396.6	92.16
44.8	60.0	5,423.3	2,688.0	2,480.7	436.8	92.29
44.8	65.0	5,366.8	2,912.0	2,680.8	477.0	92.06
44.8	70.0	5,310.2	3,136.0	2,876.1	517.2	91.71
44.8	75.0	5,253.6	3,360.0	3,066.6	557.4	91.27
44.8	80.0	5,197.1	3,584.0	3,252.4	597.6	90.75
44.8	85.0	5,140.5	3,808.0	3,433.4	637.8	90.16
44.8	90.0	5,083.9	4,032.0	3,609.6	678.0	89.52
44.8	95.0	5,027.4	4,256.0	3,781.1	718.2	88.84
44.7	100.0	4,970.8	4,470.0	3,947.8	758.4	88.32
44.7	105.0	4,914.3	4,693.5	4,109.8	798.6	87.56
44.7	110.0	4,857.7	4,917.0	4,267.0	838.8	86.78
44.7	115.0	4,801.1	5,140.5	4,419.3	879.0	85.97
44.7	120.0	4,744.6	5,364.0	4,567.1	919.2	85.14
44.7	125.0	4,688.0	5,587.5	4,709.9	959.4	84.29
44.7	130.0	4,631.4	5,811.0	4,848.1	999.6	83.43
44.6	135.0	4,574.9	6,021.0	4,981.5	1,039.8	82.74
44.6	140.0	4,518.3	6,244.0	5,110.1	1,080.0	81.84
44.6	145.0	4,461.7	6,467.0	5,233.9	1,120.2	80.93

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency[1] [%]
44.6	150.0	4,405.2	6,690.0	5,353.1	1,160.4	80.02
44.6	155.0	4,348.6	6,913.0	5,467.3	1,200.6	79.09
44.6	160.0	4,292.1	7,136.0	5,577.0	1,240.8	78.15
44.6	165.0	4,235.5	7,359.0	5,681.8	1,281.0	77.21
44.6	170.0	4,178.9	7,582.0	5,781.7	1,321.2	76.26
44.5	175.0	4,122.4	7,787.5	5,877.1	1,361.4	75.47
44.5	180.0	4,065.8	8,010.0	5,967.6	1,401.6	74.50
44.5	185.0	4,009.2	8,232.5	6,053.3	1,441.8	73.53
44.5	190.0	3,952.7	8,455.0	6,134.4	1,482.0	72.55
44.5	195.0	3,896.1	8,677.5	6,210.6	1,522.2	71.57
44.5	200.0	3,839.5	8,900.0	6,281.6	1,562.3	70.58
44.5	205.0	3,783.0	9,122.5	6,348.4	1,602.5	69.59
44.5	210.0	3,726.4	9,345.0	6,410.3	1,642.7	68.60
44.4	215.0	3,669.9	9,546.0	6,467.6	1,682.9	67.75
44.4	220.0	3,613.3	9,768.0	6,519.9	1,723.1	66.75
44.4	225.0	3,556.7	9,990.0	6,567.5	1,763.3	65.74
44.4	230.0	3,500.2	10,212.0	6,610.6	1,803.5	64.73
44.4	235.0	3,443.6	10,434.0	6,648.6	1,843.7	63.72
44.4	240.0	3,387.0	10,656.0	6,681.9	1,883.9	62.71
44.4	245.0	3,330.5	10,878.0	6,710.7	1,924.1	61.69
44.4	250.0	3,273.9	11,100.0	6,734.4	1,964.3	60.67
44.3	255.0	3,217.3	11,296.5	6,753.5	2,004.5	59.78

nl = rpm with no load

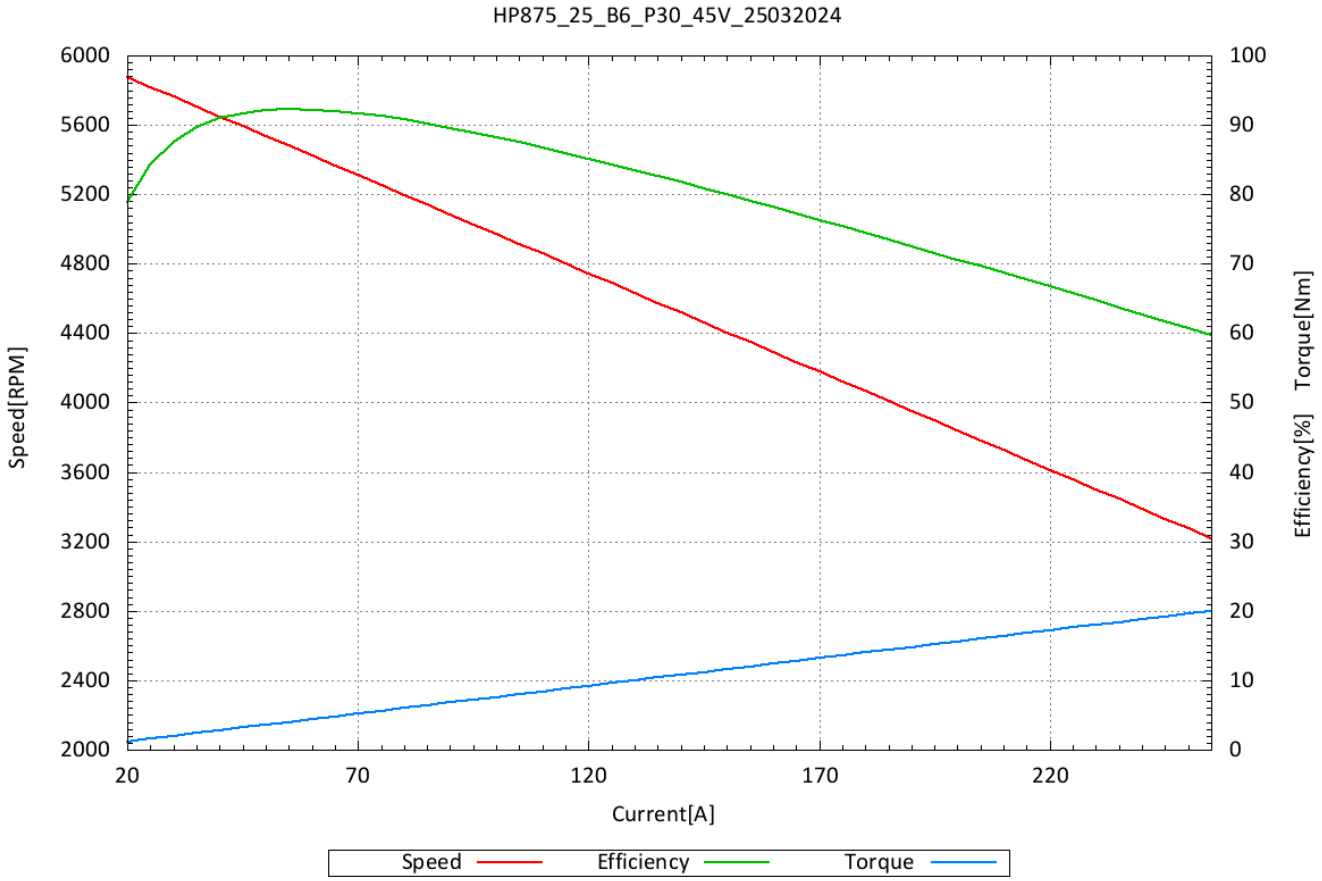
Io = current with no load

kV = specific rpm

kn = rpm drop per Amp

kT = torque constant

[1] incl. Controller


HP875_25_B6_P30_45V_25032024
Speed[RPM]
Efficiency[%]
Torque[Nm]
Current[A]
6000
5600
5200
4800
4400
4000
3600
3200
2800
2400
2000
100
90
80
70
60
50
40
30
20
10
0
20
70
120
170
220
Speed
Efficiency
Torque

Report calculated on Test Bench Results

Motor type: **NOVA 15-25-B6 P30**

Date: 25.03.2024

Bearing type: regular

Controller: Common ESC

Measuring Parameter

Voltage: **50.0 [V]**

Throttle setting: 100%

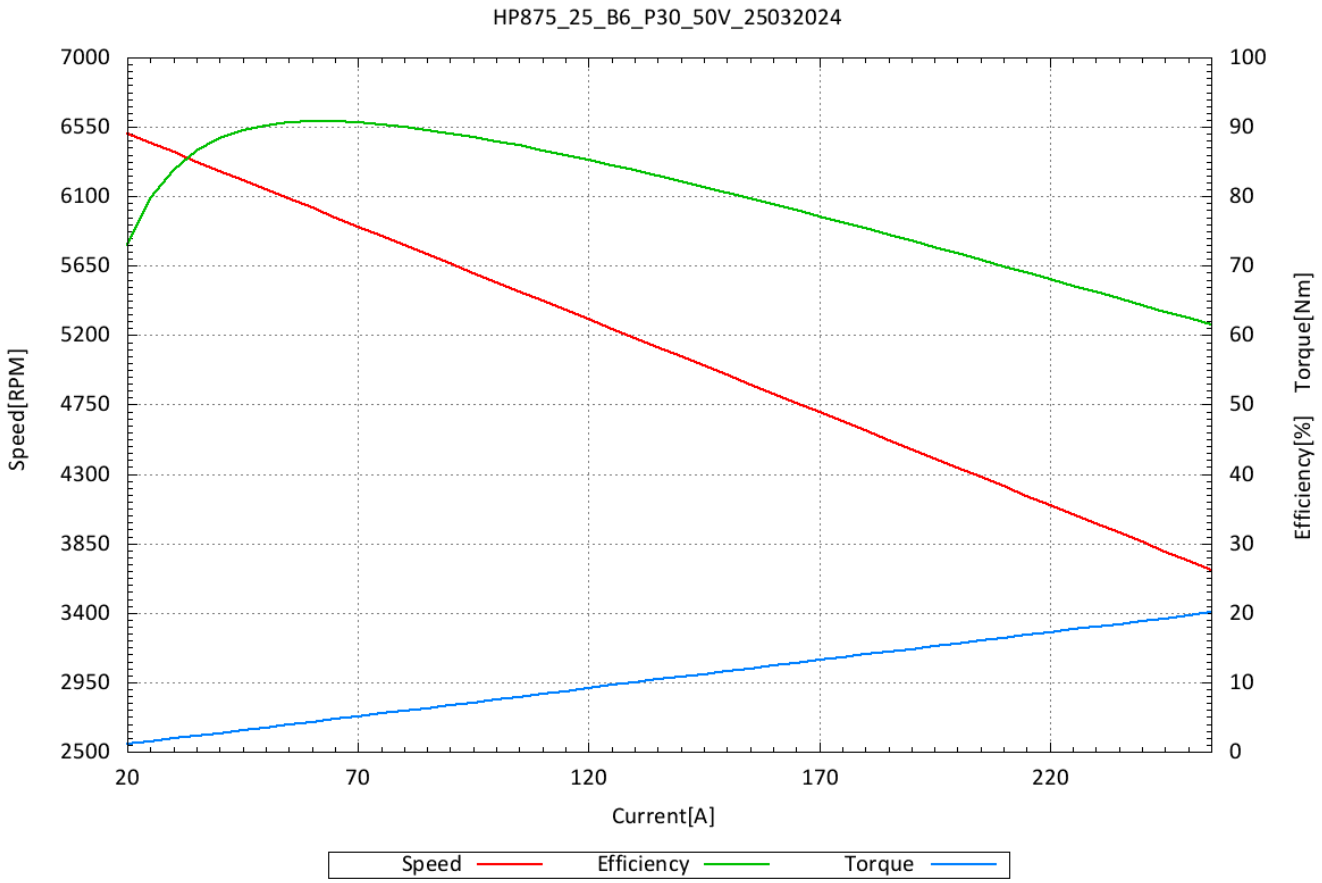
Calculated Motor Constants

nl: 6,665.4 [RPM] Io: 6.8 [A] kV: 134.9 [RPM/V] kn: -12.03 [RPM/A] kT: 8.08 [Ncm/A]

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency[1] [%]
49.9	20.0	6,506.0	998.0	729.0	107.0	73.05
49.9	25.0	6,445.8	1,247.5	995.0	147.4	79.76
49.9	30.0	6,385.7	1,497.0	1,255.8	187.8	83.89
49.9	35.0	6,325.5	1,746.5	1,511.6	228.2	86.55
49.9	40.0	6,265.4	1,996.0	1,762.3	268.6	88.29
49.9	45.0	6,205.2	2,245.5	2,007.9	309.0	89.42
49.9	50.0	6,145.1	2,495.0	2,247.8	349.3	90.09
49.8	55.0	6,084.9	2,739.0	2,483.2	389.7	90.66
49.8	60.0	6,024.8	2,988.0	2,713.6	430.1	90.82
49.8	65.0	5,964.6	3,237.0	2,938.8	470.5	90.79
49.8	70.0	5,904.5	3,486.0	3,159.0	510.9	90.62
49.8	75.0	5,844.3	3,735.0	3,374.0	551.3	90.34
49.8	80.0	5,784.2	3,984.0	3,584.0	591.7	89.96
49.8	85.0	5,724.0	4,233.0	3,788.9	632.1	89.51
49.7	90.0	5,663.9	4,473.0	3,988.7	672.5	89.17
49.7	95.0	5,603.7	4,721.5	4,182.8	712.8	88.59
49.7	100.0	5,543.6	4,970.0	4,372.5	753.2	87.98
49.7	105.0	5,483.4	5,218.5	4,557.0	793.6	87.32
49.7	110.0	5,423.3	5,467.0	4,736.5	834.0	86.64
49.7	115.0	5,363.1	5,715.5	4,910.8	874.4	85.92
49.7	120.0	5,303.0	5,964.0	5,080.1	914.8	85.18
49.6	125.0	5,242.8	6,200.0	5,244.3	955.2	84.59
49.6	130.0	5,182.7	6,448.0	5,403.4	995.6	83.80
49.6	135.0	5,122.5	6,696.0	5,557.4	1,036.0	83.00
49.6	140.0	5,062.4	6,944.0	5,705.8	1,076.3	82.17
49.6	145.0	5,002.2	7,192.0	5,849.6	1,116.7	81.33

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency[1] [%]
49.6	150.0	4,942.1	7,440.0	5,988.4	1,157.1	80.49
49.6	155.0	4,881.9	7,688.0	6,122.0	1,197.5	79.63
49.5	160.0	4,821.8	7,920.0	6,250.6	1,237.9	78.92
49.5	165.0	4,761.6	8,167.5	6,374.0	1,278.3	78.04
49.5	170.0	4,701.5	8,415.0	6,492.5	1,318.7	77.15
49.5	175.0	4,641.3	8,662.5	6,605.7	1,359.1	76.26
49.5	180.0	4,581.2	8,910.0	6,714.0	1,399.5	75.35
49.5	185.0	4,521.0	9,157.5	6,816.6	1,439.8	74.44
49.5	190.0	4,460.9	9,405.0	6,914.7	1,480.2	73.52
49.4	195.0	4,400.7	9,633.0	7,007.5	1,520.6	72.75
49.4	200.0	4,340.6	9,880.0	7,095.5	1,561.0	71.82
49.4	205.0	4,280.4	10,127.0	7,178.2	1,601.4	70.88
49.4	210.0	4,220.3	10,374.0	7,255.9	1,641.8	69.94
49.4	215.0	4,160.1	10,621.0	7,328.4	1,682.2	69.00
49.4	220.0	4,100.0	10,868.0	7,396.0	1,722.6	68.05
49.4	225.0	4,039.8	11,115.0	7,458.3	1,763.0	67.10
49.3	230.0	3,979.7	11,339.0	7,515.3	1,803.3	66.28
49.3	235.0	3,919.5	11,585.5	7,567.4	1,843.7	65.32
49.3	240.0	3,859.3	11,832.0	7,614.5	1,884.1	64.36
49.3	245.0	3,799.2	12,078.5	7,656.6	1,924.5	63.39
49.3	250.0	3,739.0	12,325.0	7,693.5	1,964.9	62.42
49.3	255.0	3,678.9	12,571.5	7,725.5	2,005.3	61.45

nl = rpm with no load
Io = current with no load
kV = specific rpm
kn = rpm drop per Amp
kT = torque constant
[1] incl. Controller


HP875_25_B6_P30_50V_25032024
Speed[RPM]
Efficiency[%] Torque[Nm]
Current[A]
7000
6550
6100
5650
5200
4750
4300
3850
3400
2950
2500
100
90
80
70
60
50
40
30
20
10
0
20
70
120
170
220
Speed
Efficiency
Torque

Report calculated on Test Bench Results

Motor type: **NOVA 15-25-B6 P30**

Date: 25.03.2024

Bearing type: regular

Controller: Common ESC

Measuring Parameter

Voltage: **55.0 [V]**

Throttle setting: 100%

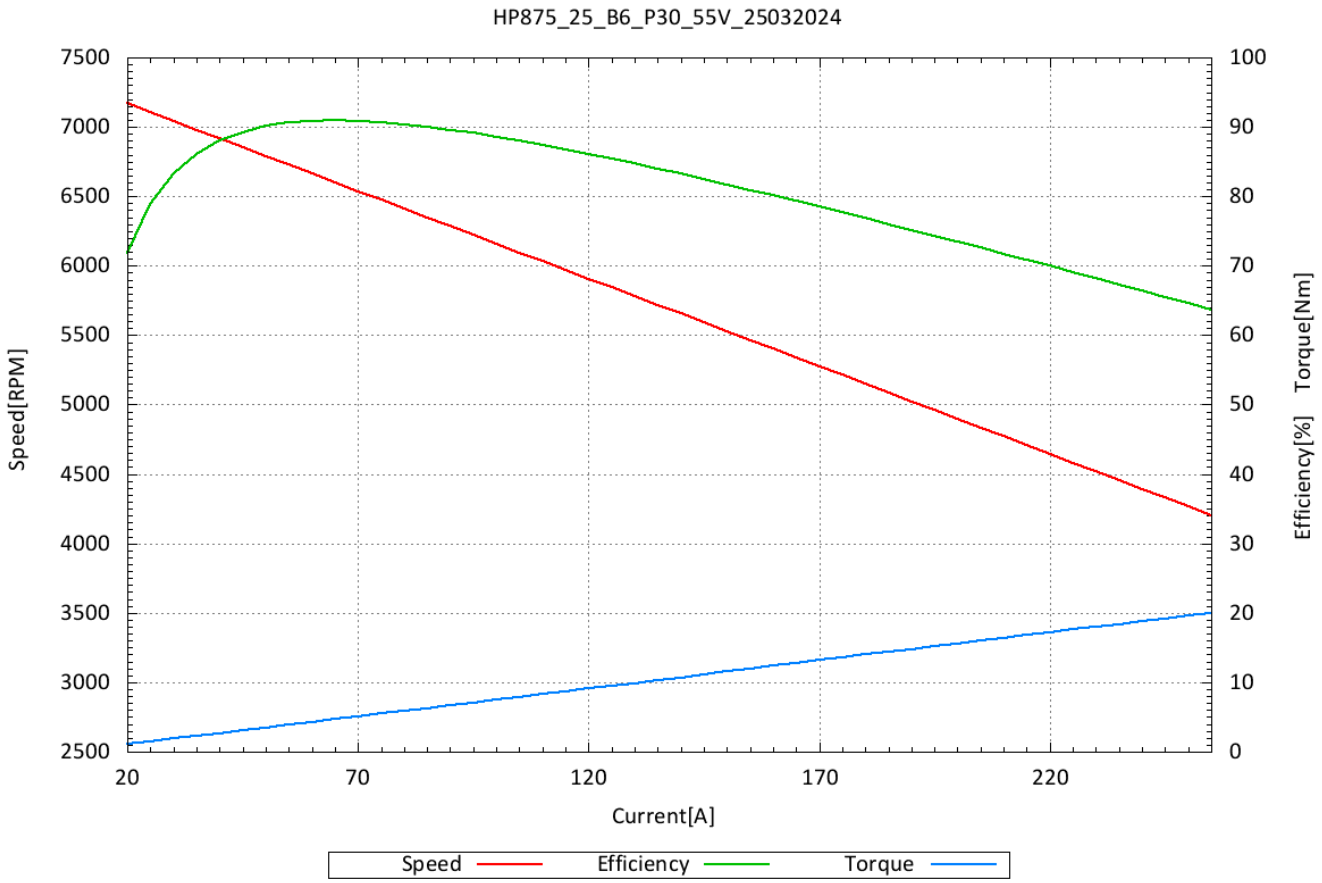
Calculated Motor Constants

nl: 7,333.2 [RPM] Io: 7.0 [A] kV: 134.9 [RPM/V] kn: -12.62 [RPM/A] kT: 8.08 [Ncm/A]

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency[1] [%]
54.9	20.0	7,168.9	1,098.0	789.8	105.2	71.93
54.9	25.0	7,105.8	1,372.5	1,083.4	145.6	78.94
54.9	30.0	7,042.7	1,647.0	1,371.8	186.0	83.29
54.9	35.0	6,979.6	1,921.5	1,654.8	226.4	86.12
54.9	40.0	6,916.5	2,196.0	1,932.4	266.8	88.00
54.9	45.0	6,853.5	2,470.5	2,204.0	307.1	89.21
54.9	50.0	6,790.4	2,745.0	2,471.0	347.5	90.02
54.8	55.0	6,727.3	3,014.0	2,732.7	387.9	90.67
54.8	60.0	6,664.2	3,288.0	2,989.0	428.3	90.91
54.8	65.0	6,601.1	3,562.0	3,240.0	468.7	90.96
54.8	70.0	6,538.0	3,836.0	3,485.6	509.1	90.87
54.8	75.0	6,474.9	4,110.0	3,725.9	549.5	90.65
54.8	80.0	6,411.9	4,384.0	3,960.9	589.9	90.35
54.8	85.0	6,348.8	4,658.0	4,190.5	630.3	89.96
54.7	90.0	6,285.7	4,923.0	4,414.1	670.6	89.66
54.7	95.0	6,222.6	5,196.5	4,633.1	711.0	89.16
54.7	100.0	6,159.5	5,470.0	4,846.7	751.4	88.60
54.7	105.0	6,096.4	5,743.5	5,055.0	791.8	88.01
54.7	110.0	6,033.3	6,017.0	5,257.9	832.2	87.38
54.7	115.0	5,970.2	6,290.5	5,455.5	872.6	86.73
54.7	120.0	5,907.2	6,564.0	5,647.8	913.0	86.04
54.6	125.0	5,844.1	6,825.0	5,834.7	953.4	85.49
54.6	130.0	5,781.0	7,098.0	6,015.7	993.7	84.75
54.6	135.0	5,717.9	7,371.0	6,192.0	1,034.1	84.00
54.6	140.0	5,654.8	7,644.0	6,362.9	1,074.5	83.24
54.6	145.0	5,591.7	7,917.0	6,528.4	1,114.9	82.46

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency[1] [%]
54.6	150.0	5,528.6	8,190.0	6,688.7	1,155.3	81.67
54.6	155.0	5,465.6	8,463.0	6,843.7	1,195.7	80.87
54.5	160.0	5,402.5	8,720.0	6,993.2	1,236.1	80.20
54.5	165.0	5,339.4	8,992.5	7,137.4	1,276.5	79.37
54.5	170.0	5,276.3	9,265.0	7,276.3	1,316.9	78.54
54.5	175.0	5,213.2	9,537.5	7,409.3	1,357.2	77.69
54.5	180.0	5,150.1	9,810.0	7,537.5	1,397.6	76.83
54.5	185.0	5,087.0	10,082.5	7,660.4	1,438.0	75.98
54.5	190.0	5,024.0	10,355.0	7,778.0	1,478.4	75.11
54.4	195.0	4,960.9	10,608.0	7,890.2	1,518.8	74.38
54.4	200.0	4,897.8	10,880.0	7,997.1	1,559.2	73.50
54.4	205.0	4,834.7	11,152.0	8,098.6	1,599.6	72.62
54.4	210.0	4,771.6	11,424.0	8,194.8	1,640.0	71.73
54.4	215.0	4,708.5	11,696.0	8,285.6	1,680.4	70.84
54.4	220.0	4,645.4	11,968.0	8,370.6	1,720.7	69.94
54.4	225.0	4,582.3	12,240.0	8,450.8	1,761.1	69.04
54.3	230.0	4,519.3	12,489.0	8,525.8	1,801.5	68.27
54.3	235.0	4,456.2	12,760.5	8,595.3	1,841.9	67.36
54.3	240.0	4,393.1	13,032.0	8,659.4	1,882.3	66.45
54.3	245.0	4,330.0	13,303.5	8,718.2	1,922.7	65.53
54.3	250.0	4,266.9	13,575.0	8,771.7	1,963.1	64.62
54.3	255.0	4,203.8	13,846.5	8,819.8	2,003.5	63.70

nl = rpm with no load
Io = current with no load
kV = specific rpm
kn = rpm drop per Amp
kT = torque constant
[1] incl. Controller


HP875_25_B6_P30_55V_25032024
Speed[RPM]
Efficiency[%] Torque[Nm]
Current[A]
7500
7000
6500
6000
5500
5000
4500
4000
3500
3000
2500
100
90
80
70
60
50
40
30
20
10
0
20
70
120
170
220
Speed
Efficiency
Torque

Report calculated on Test Bench Results

Motor type: **NOVA 15-25-B6 P30**

Date: 25.03.2024

Bearing type: regular

Controller: Common ESC

Measuring Parameter

Voltage: **60.0 [V]**

Throttle setting: 100%

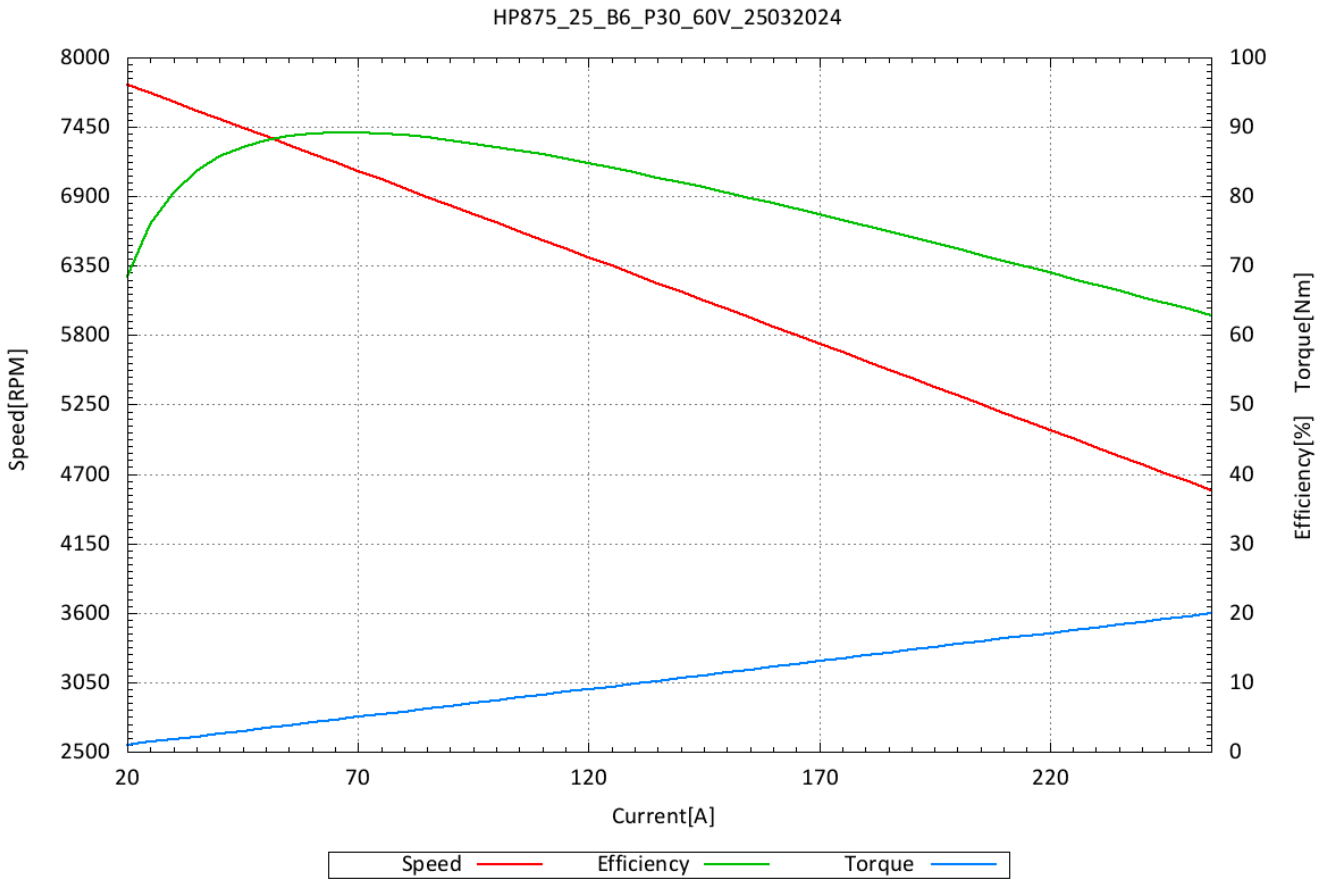
Calculated Motor Constants

nl: 7,956.9 [RPM] Io: 7.5 [A] kV: 134.3 [RPM/V] kn: -13.69 [RPM/A] kT: 8.03 [Ncm/A]

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency[1] [%]
59.9	20.0	7,785.6	1,198.0	819.4	100.5	68.40
59.9	25.0	7,717.2	1,497.5	1,137.1	140.7	75.93
59.9	30.0	7,648.8	1,797.0	1,448.2	180.8	80.59
59.9	35.0	7,580.4	2,096.5	1,754.3	221.0	83.68
59.9	40.0	7,511.9	2,396.0	2,053.9	261.1	85.72
59.9	45.0	7,443.5	2,695.5	2,348.6	301.3	87.13
59.9	50.0	7,375.1	2,995.0	2,636.7	341.4	88.04
59.9	55.0	7,306.7	3,294.5	2,919.8	381.6	88.63
59.8	60.0	7,238.2	3,588.0	3,196.4	421.7	89.09
59.8	65.0	7,169.8	3,887.0	3,468.0	461.9	89.22
59.8	70.0	7,101.4	4,186.0	3,733.9	502.1	89.20
59.8	75.0	7,033.0	4,485.0	3,993.3	542.2	89.04
59.8	80.0	6,964.5	4,784.0	4,247.6	582.4	88.79
59.8	85.0	6,896.1	5,083.0	4,495.4	622.5	88.44
59.8	90.0	6,827.7	5,382.0	4,738.3	662.7	88.04
59.7	95.0	6,759.2	5,671.5	4,974.6	702.8	87.71
59.7	100.0	6,690.8	5,970.0	5,205.9	743.0	87.20
59.7	105.0	6,622.4	6,268.5	5,430.8	783.1	86.64
59.7	110.0	6,554.0	6,567.0	5,650.6	823.3	86.05
59.7	115.0	6,485.5	6,865.5	5,863.9	863.4	85.41
59.7	120.0	6,417.1	7,164.0	6,072.2	903.6	84.76
59.7	125.0	6,348.7	7,462.5	6,274.0	943.7	84.07
59.7	130.0	6,280.3	7,761.0	6,470.8	983.9	83.38
59.6	135.0	6,211.8	8,046.0	6,661.1	1,024.0	82.79
59.6	140.0	6,143.4	8,344.0	6,846.4	1,064.2	82.05
59.6	145.0	6,075.0	8,642.0	7,025.3	1,104.3	81.29

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency[1] [%]
59.6	150.0	6,006.6	8,940.0	7,199.0	1,144.5	80.53
59.6	155.0	5,938.1	9,238.0	7,366.3	1,184.6	79.74
59.6	160.0	5,869.7	9,536.0	7,528.5	1,224.8	78.95
59.6	165.0	5,801.3	9,834.0	7,685.0	1,265.0	78.15
59.6	170.0	5,732.9	10,132.0	7,835.1	1,305.1	77.33
59.5	175.0	5,664.4	10,412.5	7,980.0	1,345.3	76.64
59.5	180.0	5,596.0	10,710.0	8,118.6	1,385.4	75.80
59.5	185.0	5,527.6	11,007.5	8,252.1	1,425.6	74.97
59.5	190.0	5,459.2	11,305.0	8,379.2	1,465.7	74.12
59.5	195.0	5,390.7	11,602.5	8,501.0	1,505.9	73.27
59.5	200.0	5,322.3	11,900.0	8,616.6	1,546.0	72.41
59.5	205.0	5,253.9	12,197.5	8,727.1	1,586.2	71.55
59.4	210.0	5,185.4	12,474.0	8,831.0	1,626.3	70.80
59.4	215.0	5,117.0	12,771.0	8,930.0	1,666.5	69.92
59.4	220.0	5,048.6	13,068.0	9,022.6	1,706.6	69.04
59.4	225.0	4,980.2	13,365.0	9,110.0	1,746.8	68.16
59.4	230.0	4,911.7	13,662.0	9,191.0	1,786.9	67.27
59.4	235.0	4,843.3	13,959.0	9,266.9	1,827.1	66.39
59.4	240.0	4,774.9	14,256.0	9,336.5	1,867.2	65.49
59.4	245.0	4,706.5	14,553.0	9,400.9	1,907.4	64.60
59.3	250.0	4,638.0	14,825.0	9,459.3	1,947.6	63.81
59.3	255.0	4,569.6	15,121.5	9,511.7	1,987.7	62.90

nl = rpm with no load
Io = current with no load
kV = specific rpm
kn = rpm drop per Amp
kT = torque constant
[1] incl. Controller


HP875_25_B6_P30_60V_25032024
Speed[RPM]
Efficiency[%]
Torque[Nm]
Current[A]
8000
7450
6900
6350
5800
5250
4700
4150
3600
3050
2500
100
90
80
70
60
50
40
30
20
10
0
20
70
120
170
220
Speed
Efficiency
Torque