

Report calculated on Test Bench Results

Motor type: **NOVA 15-50-B6 P30**

Date: 11.03.2024

Bearing type: RS

Controller: MST 140-200

Measuring Parameter

Voltage: **30.0 [V]**

Throttle setting: 100%

Calculated Motor Constants

nl: 1,973.5 [RPM] lo: 4.7 [A] kv: 66.5 [RPM/V] kn: -4.48 [RPM/A] kT: 16.08 [Ncm/A]

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency ¹ [%]
30.0	15.0	1,963.0	450.0	339.0	164.9	75.33
29.9	20.0	1,932.7	598.0	496.3	245.2	82.99
29.9	25.0	1,903.2	747.5	648.9	325.6	86.81
29.9	30.0	1,874.4	897.0	796.9	406.0	88.84
29.9	35.0	1,846.4	1,046.5	940.5	486.4	89.87
29.9	40.0	1,819.0	1,196.0	1,079.7	566.8	90.27
29.9	45.0	1,792.3	1,345.5	1,214.5	647.1	90.27
29.9	50.0	1,766.2	1,495.0	1,345.6	727.5	90.00
29.8	55.0	1,740.7	1,639.0	1,472.7	807.9	89.85
29.8	60.0	1,715.8	1,788.0	1,596.1	888.3	89.27
29.8	65.0	1,691.4	1,937.0	1,715.8	968.7	88.58
29.8	70.0	1,667.4	2,086.0	1,831.7	1,049.0	87.81
29.8	75.0	1,644.0	2,235.0	1,944.4	1,129.4	87.00
29.8	80.0	1,620.9	2,384.0	2,053.5	1,209.8	86.14
29.8	85.0	1,598.3	2,533.0	2,159.5	1,290.2	85.25
29.7	90.0	1,576.0	2,673.0	2,262.0	1,370.6	84.62
29.7	95.0	1,554.1	2,821.5	2,361.3	1,450.9	83.69
29.7	100.0	1,532.5	2,970.0	2,457.5	1,531.3	82.74
29.7	105.0	1,511.1	3,118.5	2,550.4	1,611.7	81.78
29.7	110.0	1,490.0	3,267.0	2,640.2	1,692.1	80.81
29.7	115.0	1,469.1	3,415.5	2,726.9	1,772.5	79.84
29.7	120.0	1,448.3	3,564.0	2,810.1	1,852.8	78.85
29.6	125.0	1,427.7	3,700.0	2,890.3	1,933.2	78.12
29.6	130.0	1,407.2	3,848.0	2,967.3	2,013.6	77.11
29.6	135.0	1,386.8	3,996.0	3,041.0	2,094.0	76.10
29.6	140.0	1,366.4	4,144.0	3,111.3	2,174.4	75.08

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency ¹ [%]
29.6	145.0	1,346.1	4,292.0	3,178.3	2,254.7	74.05
29.6	150.0	1,325.7	4,440.0	3,241.7	2,335.1	73.01
29.6	155.0	1,305.3	4,588.0	3,301.8	2,415.5	71.97
29.5	160.0	1,284.8	4,720.0	3,358.1	2,495.9	71.15
29.5	165.0	1,264.2	4,867.5	3,410.7	2,576.3	70.07
29.5	170.0	1,243.5	5,015.0	3,459.4	2,656.6	68.98
29.5	175.0	1,222.6	5,162.5	3,504.2	2,737.0	67.88
29.5	180.0	1,201.4	5,310.0	3,544.6	2,817.4	66.75
29.5	185.0	1,180.1	5,457.5	3,581.1	2,897.8	65.62
29.5	190.0	1,158.4	5,605.0	3,612.8	2,978.2	64.46
29.4	195.0	1,136.5	5,733.0	3,640.0	3,058.5	63.49
29.4	200.0	1,114.2	5,880.0	3,662.4	3,138.9	62.29
29.4	205.0	1,091.6	6,027.0	3,680.0	3,219.3	61.06
29.4	210.0	1,068.5	6,174.0	3,692.1	3,299.7	59.80
29.4	215.0	1,045.0	6,321.0	3,698.9	3,380.1	58.52
29.4	220.0	1,021.1	6,468.0	3,700.2	3,460.4	57.21
29.4	225.0	996.7	6,615.0	3,695.7	3,540.8	55.87
29.3	230.0	971.7	6,739.0	3,684.8	3,621.2	54.68
29.3	235.0	946.2	6,885.5	3,667.8	3,701.6	53.27
29.3	240.0	920.1	7,032.0	3,644.1	3,782.0	51.82
29.3	245.0	893.4	7,178.5	3,613.4	3,862.3	50.34
29.3	250.0	866.0	7,325.0	3,575.5	3,942.7	48.81

nl = rpm with no load

lo = current with no load

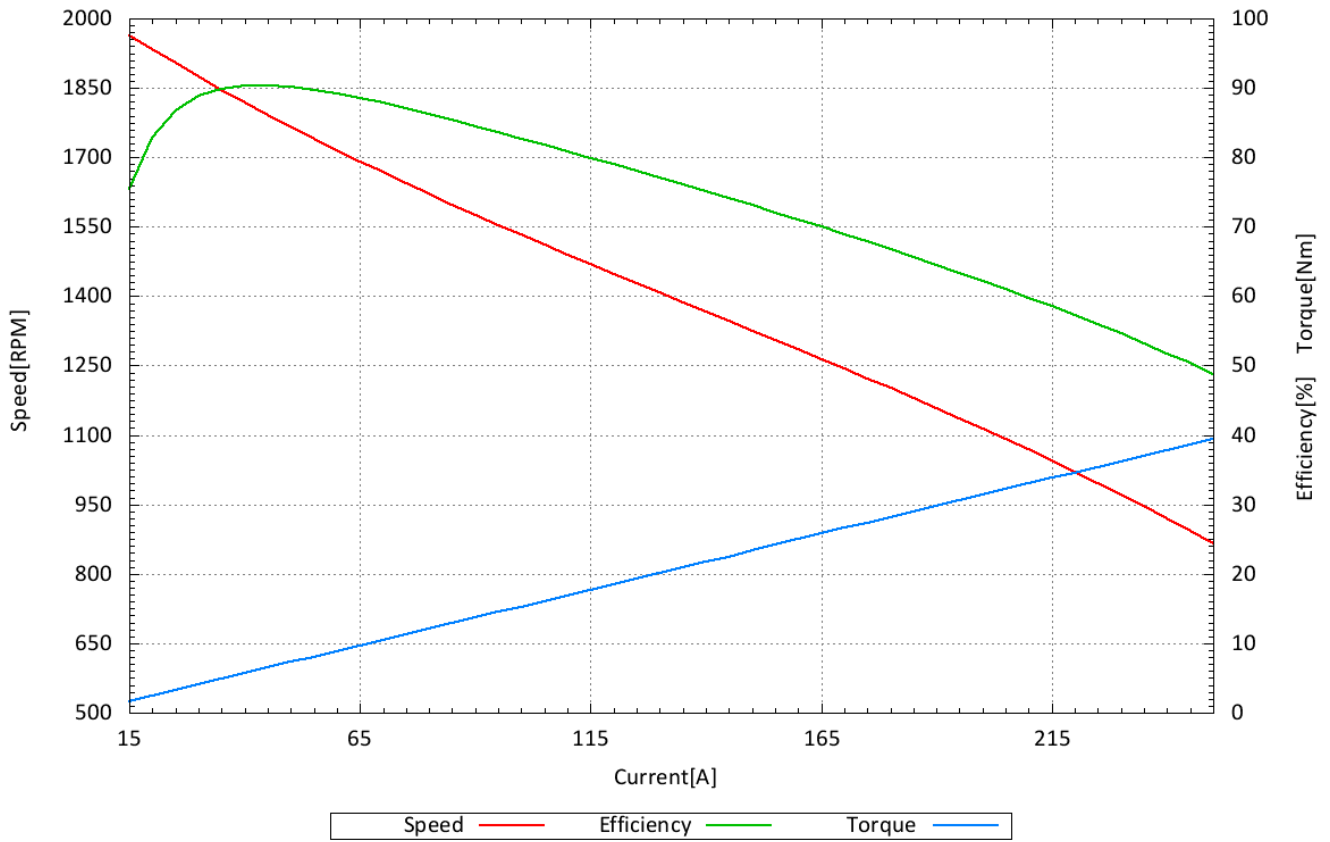
kV = specific rpm

kn = rpm drop per Amp

kT = torque constant

¹ incl. Controller

HP875_50_B6_P30_HF_RS_30V_MST140-200_11032024



Report calculated on Test Bench Results

Motor type: **NOVA 15-50-B6 P30**

Date: 11.03.2024

Bearing type: RS

Controller: MST 140-200

Measuring Parameter

Voltage: **40.0 [V]**

Throttle setting: 100%

Calculated Motor Constants

nl: 2,620.2 [RPM] lo: 6.0 [A] kv: 66.3 [RPM/V] kn: -5.26 [RPM/A] kT: 16.40 [Ncm/A]

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency ¹ [%]
40.0	15.0	2,619.7	600.0	405.7	147.9	67.62
39.9	20.0	2,583.0	798.0	621.9	229.9	77.93
39.9	25.0	2,547.4	997.5	832.3	312.0	83.44
39.9	30.0	2,512.8	1,197.0	1,036.8	394.0	86.61
39.9	35.0	2,479.1	1,396.5	1,235.7	476.0	88.49
39.9	40.0	2,446.4	1,596.0	1,429.5	558.0	89.57
39.9	45.0	2,414.4	1,795.5	1,618.4	640.1	90.14
39.9	50.0	2,383.3	1,995.0	1,802.2	722.1	90.34
39.8	55.0	2,352.9	2,189.0	1,981.3	804.1	90.51
39.8	60.0	2,323.3	2,388.0	2,155.8	886.1	90.28
39.8	65.0	2,294.4	2,587.0	2,326.0	968.1	89.91
39.8	70.0	2,266.1	2,786.0	2,492.2	1,050.2	89.45
39.8	75.0	2,238.4	2,985.0	2,653.9	1,132.2	88.91
39.8	80.0	2,211.3	3,184.0	2,811.7	1,214.2	88.31
39.8	85.0	2,184.7	3,383.0	2,965.5	1,296.2	87.66
39.7	90.0	2,158.6	3,573.0	3,115.6	1,378.3	87.20
39.7	95.0	2,133.0	3,771.5	3,261.8	1,460.3	86.49
39.7	100.0	2,107.7	3,970.0	3,404.1	1,542.3	85.75
39.7	105.0	2,082.8	4,168.5	3,542.8	1,624.3	84.99
39.7	110.0	2,058.2	4,367.0	3,677.9	1,706.4	84.22
39.7	115.0	2,034.0	4,565.5	3,809.3	1,788.4	83.44
39.7	120.0	2,009.9	4,764.0	3,936.7	1,870.4	82.64
39.7	125.0	1,986.0	4,962.5	4,060.5	1,952.4	81.82
39.6	130.0	1,962.3	5,148.0	4,180.5	2,034.4	81.21
39.6	135.0	1,938.7	5,346.0	4,296.9	2,116.5	80.38
39.6	140.0	1,915.2	5,544.0	4,409.3	2,198.5	79.53

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency ¹ [%]
39.6	145.0	1,891.7	5,742.0	4,517.6	2,280.5	78.68
39.6	150.0	1,868.2	5,940.0	4,621.9	2,362.5	77.81
39.6	155.0	1,844.7	6,138.0	4,722.4	2,444.6	76.94
39.6	160.0	1,821.1	6,336.0	4,818.4	2,526.6	76.05
39.5	165.0	1,797.3	6,517.5	4,909.7	2,608.6	75.33
39.5	170.0	1,773.4	6,715.0	4,996.7	2,690.6	74.41
39.5	175.0	1,749.2	6,912.5	5,078.9	2,772.7	73.47
39.5	180.0	1,724.8	7,110.0	5,156.2	2,854.7	72.52
39.5	185.0	1,700.1	7,307.5	5,228.3	2,936.7	71.55
39.5	190.0	1,675.1	7,505.0	5,295.3	3,018.7	70.56
39.5	195.0	1,649.6	7,702.5	5,356.3	3,100.7	69.54
39.4	200.0	1,623.8	7,880.0	5,412.2	3,182.8	68.68
39.4	205.0	1,597.5	8,077.0	5,461.7	3,264.8	67.62
39.4	210.0	1,570.7	8,274.0	5,504.9	3,346.8	66.53
39.4	215.0	1,543.4	8,471.0	5,541.8	3,428.8	65.42
39.4	220.0	1,515.5	8,668.0	5,571.9	3,510.9	64.28
39.4	225.0	1,486.9	8,865.0	5,594.4	3,592.9	63.11
39.4	230.0	1,457.7	9,062.0	5,609.7	3,674.9	61.90
39.3	235.0	1,427.8	9,235.5	5,617.3	3,756.9	60.82
39.3	240.0	1,397.1	9,432.0	5,616.6	3,839.0	59.55
39.3	245.0	1,365.7	9,628.5	5,607.6	3,921.0	58.24
39.3	250.0	1,333.4	9,825.0	5,589.5	4,003.0	56.89

nl = rpm with no load

lo = current with no load

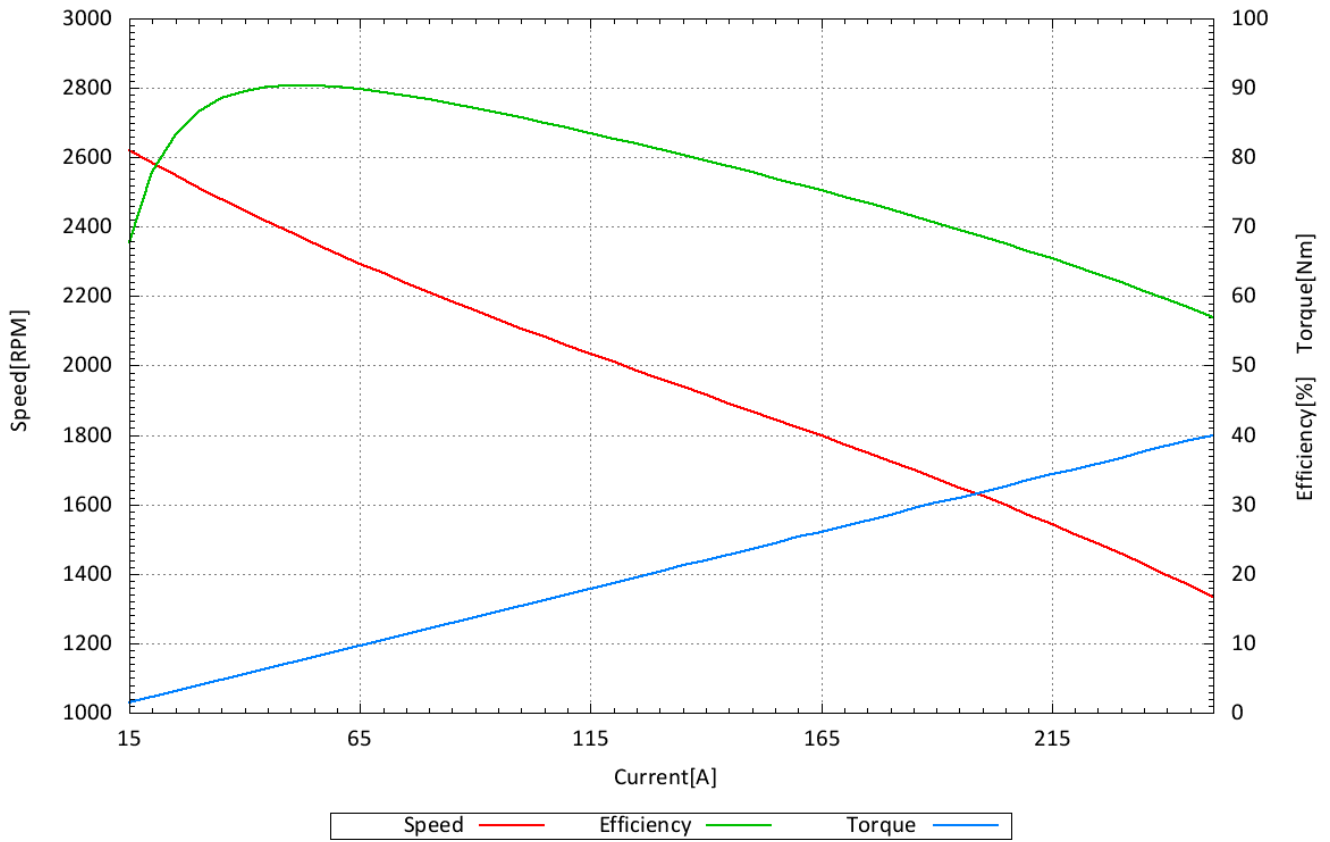
kV = specific rpm

kn = rpm drop per Amp

kT = torque constant

¹ incl. Controller

HP875_50_B6_P30_HF_RS_40V_MST140-200_11032024



Report calculated on Test Bench Results

Motor type: **NOVA 15-50-B6 P30**

Date: 11.03.2024

Bearing type: RS

Controller: MST 140-200

Measuring Parameter

Voltage: **50.0 [V]**

Throttle setting: 100%

Calculated Motor Constants

nl: 3,251.6 [RPM] lo: 6.8 [A] kv: 65.8 [RPM/V] kn: -5.88 [RPM/A] kT: 16.64 [Ncm/A]

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency ¹ [%]
50.0	15.0	3,260.8	750.0	467.8	137.0	62.38
49.9	20.0	3,219.3	998.0	742.3	220.2	74.38
49.9	25.0	3,179.0	1,247.5	1,010.4	303.5	80.99
49.9	30.0	3,139.7	1,497.0	1,271.4	386.7	84.93
49.9	35.0	3,101.5	1,746.5	1,526.2	469.9	87.39
49.9	40.0	3,064.3	1,996.0	1,774.9	553.1	88.92
49.9	45.0	3,028.1	2,245.5	2,018.0	636.4	89.87
49.9	50.0	2,992.8	2,495.0	2,255.3	719.6	90.39
49.8	55.0	2,958.4	2,739.0	2,487.1	802.8	90.80
49.8	60.0	2,924.8	2,988.0	2,713.7	886.0	90.82
49.8	65.0	2,892.0	3,237.0	2,935.5	969.3	90.69
49.8	70.0	2,860.0	3,486.0	3,152.2	1,052.5	90.43
49.8	75.0	2,828.7	3,735.0	3,364.2	1,135.7	90.07
49.8	80.0	2,798.0	3,984.0	3,571.4	1,218.9	89.64
49.7	85.0	2,767.9	4,224.5	3,774.5	1,302.2	89.35
49.7	90.0	2,738.4	4,473.0	3,972.8	1,385.4	88.82
49.7	95.0	2,709.4	4,721.5	4,166.8	1,468.6	88.25
49.7	100.0	2,680.9	4,970.0	4,356.6	1,551.8	87.66
49.7	105.0	2,652.9	5,218.5	4,542.2	1,635.0	87.04
49.7	110.0	2,625.2	5,467.0	4,723.8	1,718.3	86.41
49.7	115.0	2,597.9	5,715.5	4,901.0	1,801.5	85.75
49.6	120.0	2,570.8	5,952.0	5,073.9	1,884.7	85.25
49.6	125.0	2,544.1	6,200.0	5,242.8	1,967.9	84.56
49.6	130.0	2,517.5	6,448.0	5,407.6	2,051.2	83.87
49.6	135.0	2,491.1	6,696.0	5,568.0	2,134.4	83.15
49.6	140.0	2,464.8	6,944.0	5,723.9	2,217.6	82.43

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency ¹ [%]
49.6	145.0	2,438.6	7,192.0	5,875.5	2,300.8	81.70
49.6	150.0	2,412.5	7,440.0	6,023.1	2,384.1	80.96
49.5	155.0	2,386.3	7,672.5	6,165.6	2,467.3	80.36
49.5	160.0	2,360.1	7,920.0	6,303.5	2,550.5	79.59
49.5	165.0	2,333.8	8,167.5	6,436.6	2,633.7	78.81
49.5	170.0	2,307.3	8,415.0	6,564.8	2,717.0	78.01
49.5	175.0	2,280.6	8,662.5	6,687.5	2,800.2	77.20
49.5	180.0	2,253.7	8,910.0	6,805.0	2,883.4	76.38
49.5	185.0	2,226.6	9,157.5	6,917.2	2,966.6	75.54
49.4	190.0	2,199.1	9,386.0	7,023.6	3,049.9	74.83
49.4	195.0	2,171.2	9,633.0	7,123.7	3,133.1	73.95
49.4	200.0	2,142.9	9,880.0	7,217.5	3,216.3	73.05
49.4	205.0	2,114.2	10,127.0	7,305.0	3,299.5	72.13
49.4	210.0	2,085.0	10,374.0	7,385.8	3,382.7	71.20
49.4	215.0	2,055.2	10,621.0	7,459.5	3,466.0	70.23
49.3	220.0	2,024.8	10,846.0	7,525.6	3,549.2	69.39
49.3	225.0	1,993.8	11,092.5	7,584.1	3,632.4	68.37
49.3	230.0	1,962.1	11,339.0	7,634.5	3,715.6	67.33
49.3	235.0	1,929.7	11,585.5	7,676.7	3,798.9	66.26
49.3	240.0	1,896.5	11,832.0	7,709.9	3,882.1	65.16
49.3	245.0	1,862.6	12,078.5	7,734.4	3,965.3	64.03
49.3	250.0	1,827.7	12,325.0	7,748.7	4,048.5	62.87

nl = rpm with no load

lo = current with no load

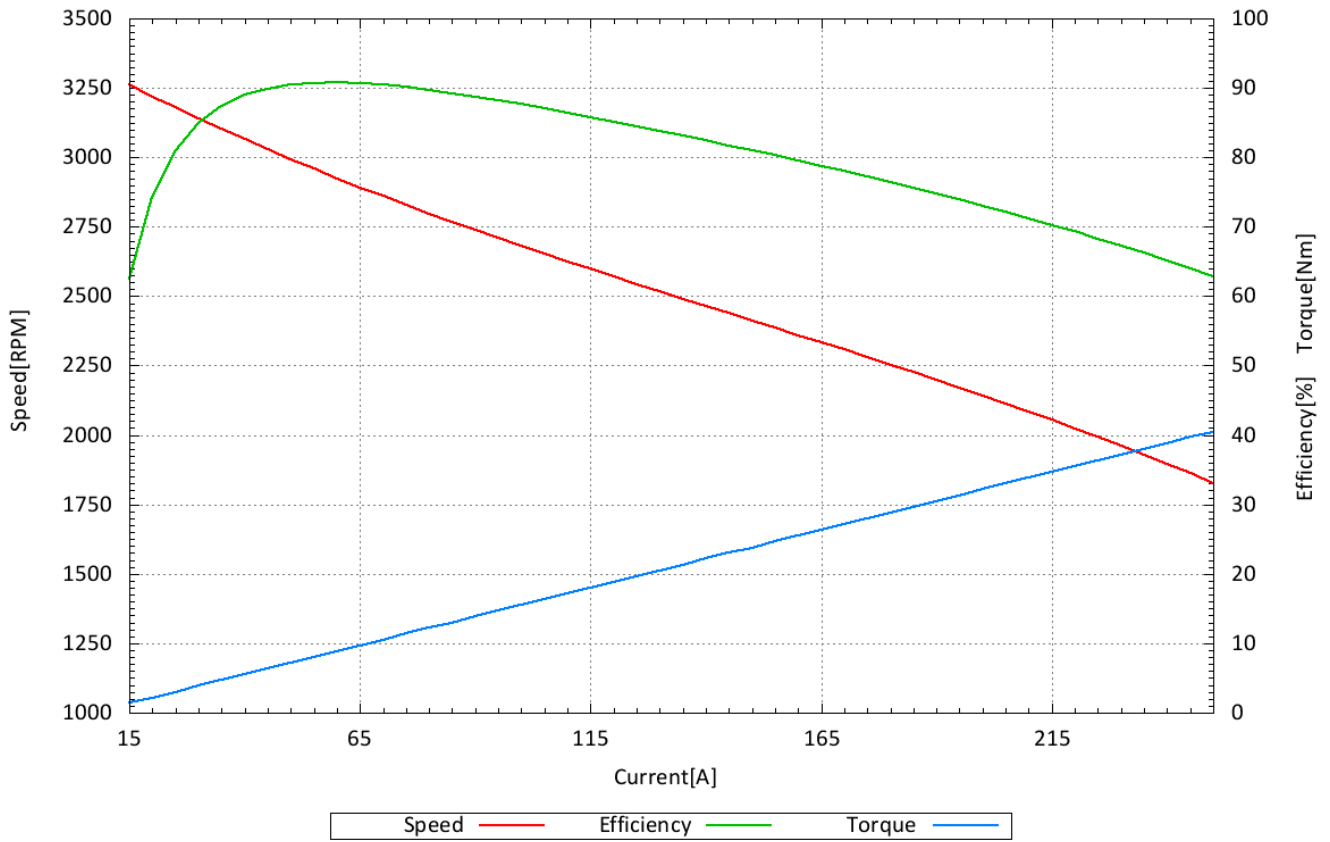
kV = specific rpm

kn = rpm drop per Amp

kT = torque constant

¹ incl. Controller

HP875_50_B6_P30_HF_RS_50V_MST140-200_11032024



Report calculated on Test Bench Results

Motor type: **NOVA 15-50-B6 P30**

Date: 11.03.2024

Bearing type: RS

Controller: MST 140-200

Measuring Parameter

Voltage: **60.0 [V]**

Throttle setting: 100%

Calculated Motor Constants

nl: 3,892.0 [RPM] lo: 7.0 [A] kv: 65.6 [RPM/V] kn: -6.56 [RPM/A] kT: 16.75 [Ncm/A]

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency ¹ [%]
60.0	15.0	3,913.0	900.0	546.6	133.4	60.74
59.9	20.0	3,865.2	1,198.0	878.7	217.1	73.35
59.9	25.0	3,818.8	1,497.5	1,203.3	300.9	80.35
59.9	30.0	3,773.7	1,797.0	1,519.9	384.6	84.58
59.9	35.0	3,729.9	2,096.5	1,829.5	468.4	87.27
59.9	40.0	3,687.3	2,396.0	2,132.2	552.2	88.99
59.9	45.0	3,645.9	2,695.5	2,427.9	635.9	90.07
59.9	50.0	3,605.6	2,995.0	2,717.4	719.7	90.73
59.8	55.0	3,566.3	3,289.0	3,000.4	803.4	91.23
59.8	60.0	3,528.1	3,588.0	3,277.9	887.2	91.36
59.8	65.0	3,490.9	3,887.0	3,549.3	970.9	91.31
59.8	70.0	3,454.5	4,186.0	3,815.4	1,054.7	91.15
59.8	75.0	3,419.1	4,485.0	4,076.4	1,138.5	90.89
59.8	80.0	3,384.4	4,784.0	4,331.6	1,222.2	90.54
59.8	85.0	3,350.5	5,083.0	4,582.3	1,306.0	90.15
59.7	90.0	3,317.4	5,373.0	4,827.8	1,389.7	89.85
59.7	95.0	3,284.8	5,671.5	5,068.6	1,473.5	89.37
59.7	100.0	3,252.9	5,970.0	5,304.5	1,557.2	88.85
59.7	105.0	3,221.6	6,268.5	5,536.2	1,641.0	88.32
59.7	110.0	3,190.8	6,567.0	5,763.2	1,724.8	87.76
59.7	115.0	3,160.4	6,865.5	5,985.3	1,808.5	87.18
59.6	120.0	3,130.4	7,152.0	6,203.2	1,892.3	86.73
59.6	125.0	3,100.8	7,450.0	6,416.4	1,976.0	86.13
59.6	130.0	3,071.5	7,748.0	6,625.3	2,059.8	85.51
59.6	135.0	3,042.5	8,046.0	6,829.7	2,143.6	84.88
59.6	140.0	3,013.6	8,344.0	7,029.0	2,227.3	84.24

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency ¹ [%]
59.6	145.0	2,985.0	8,642.0	7,224.2	2,311.1	83.59
59.6	150.0	2,956.4	8,940.0	7,414.1	2,394.8	82.93
59.5	155.0	2,927.8	9,222.5	7,599.4	2,478.6	82.40
59.5	160.0	2,899.3	9,520.0	7,779.5	2,562.3	81.72
59.5	165.0	2,870.7	9,817.5	7,954.7	2,646.1	81.03
59.5	170.0	2,842.1	10,115.0	8,124.8	2,729.9	80.32
59.5	175.0	2,813.2	10,412.5	8,288.8	2,813.6	79.60
59.5	180.0	2,784.2	10,710.0	8,447.7	2,897.4	78.88
59.5	185.0	2,754.9	11,007.5	8,600.2	2,981.1	78.13
59.4	190.0	2,725.4	11,286.0	8,747.3	3,064.9	77.51
59.4	195.0	2,695.4	11,583.0	8,887.6	3,148.7	76.73
59.4	200.0	2,665.1	11,880.0	9,021.3	3,232.4	75.94
59.4	205.0	2,634.3	12,177.0	9,148.2	3,316.2	75.13
59.4	210.0	2,603.0	12,474.0	9,267.6	3,399.9	74.30
59.4	215.0	2,571.1	12,771.0	9,379.7	3,483.7	73.45
59.4	220.0	2,538.7	13,068.0	9,484.0	3,567.4	72.57
59.3	225.0	2,505.5	13,342.5	9,579.8	3,651.2	71.80
59.3	230.0	2,471.7	13,639.0	9,667.5	3,735.0	70.88
59.3	235.0	2,437.1	13,935.5	9,745.8	3,818.7	69.94
59.3	240.0	2,401.7	14,232.0	9,815.0	3,902.5	68.96
59.3	245.0	2,365.4	14,528.5	9,874.0	3,986.2	67.96
59.3	250.0	2,328.3	14,825.0	9,923.4	4,070.0	66.94

nl = rpm with no load

lo = current with no load

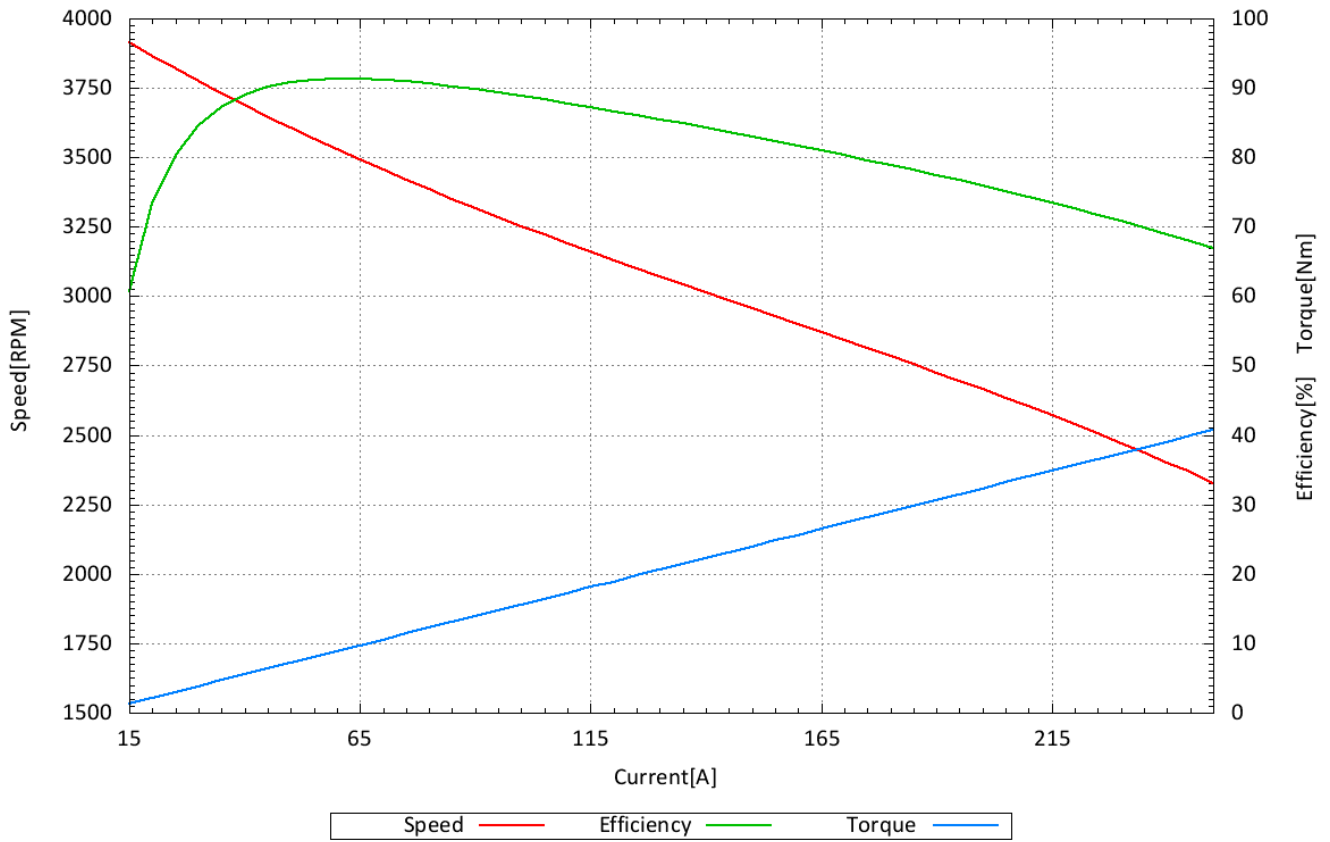
kV = specific rpm

kn = rpm drop per Amp

kT = torque constant

¹ incl. Controller

HP875_50_B6_P30_HF_RS_60V_MST140-200_11032024



Report calculated on Test Bench Results

Motor type: **NOVA 15-50-B6 P30**

Date: 11.03.2024

Bearing type: RS

Controller: MST 140-200

Measuring Parameter

Voltage: **70.0 [V]**

Throttle setting: 100%

Calculated Motor Constants

nl: 4,504.2 [RPM] lo: 7.6 [A] kv: 65.1 [RPM/V] kn: -7.02 [RPM/A] kT: 16.81 [Ncm/A]

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency ¹ [%]
70.0	15.0	4,552.7	1,050.0	591.7	124.1	56.35
69.9	20.0	4,499.8	1,398.0	981.1	208.2	70.18
69.9	25.0	4,448.3	1,747.5	1,361.6	292.3	77.92
69.9	30.0	4,398.4	2,097.0	1,733.2	376.3	82.65
69.9	35.0	4,349.8	2,446.5	2,097.2	460.4	85.72
69.9	40.0	4,302.6	2,796.0	2,453.3	544.5	87.74
69.9	45.0	4,256.7	3,145.5	2,801.6	628.5	89.07
69.8	50.0	4,212.1	3,490.0	3,143.2	712.6	90.06
69.8	55.0	4,168.6	3,839.0	3,477.9	796.7	90.59
69.8	60.0	4,126.3	4,188.0	3,806.0	880.8	90.88
69.8	65.0	4,085.1	4,537.0	4,127.3	964.8	90.97
69.8	70.0	4,044.9	4,886.0	4,442.9	1,048.9	90.93
69.8	75.0	4,005.7	5,235.0	4,752.7	1,133.0	90.79
69.8	80.0	3,967.5	5,584.0	5,056.3	1,217.0	90.55
69.7	85.0	3,930.1	5,924.5	5,354.8	1,301.1	90.38
69.7	90.0	3,893.5	6,273.0	5,647.8	1,385.2	90.03
69.7	95.0	3,857.6	6,621.5	5,935.1	1,469.2	89.63
69.7	100.0	3,822.5	6,970.0	6,217.7	1,553.3	89.21
69.7	105.0	3,788.0	7,318.5	6,495.2	1,637.4	88.75
69.7	110.0	3,754.2	7,667.0	6,767.5	1,721.4	88.27
69.7	115.0	3,720.8	8,015.5	7,035.0	1,805.5	87.77
69.6	120.0	3,688.0	8,352.0	7,297.8	1,889.6	87.38
69.6	125.0	3,655.6	8,700.0	7,555.2	1,973.6	86.84
69.6	130.0	3,623.5	9,048.0	7,808.0	2,057.7	86.30
69.6	135.0	3,591.8	9,396.0	8,056.0	2,141.8	85.74
69.6	140.0	3,560.4	9,744.0	8,298.8	2,225.8	85.17

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency ¹ [%]
69.6	145.0	3,529.2	10,092.0	8,536.9	2,309.9	84.59
69.5	150.0	3,498.1	10,425.0	8,769.7	2,394.0	84.12
69.5	155.0	3,467.2	10,772.5	8,997.2	2,478.0	83.52
69.5	160.0	3,436.3	11,120.0	9,219.7	2,562.1	82.91
69.5	165.0	3,405.3	11,467.5	9,436.4	2,646.2	82.29
69.5	170.0	3,374.4	11,815.0	9,647.6	2,730.2	81.66
69.5	175.0	3,343.3	12,162.5	9,853.1	2,814.3	81.01
69.5	180.0	3,312.1	12,510.0	10,052.9	2,898.4	80.36
69.4	185.0	3,280.6	12,839.0	10,245.8	2,982.4	79.80
69.4	190.0	3,248.9	13,186.0	10,433.0	3,066.5	79.12
69.4	195.0	3,216.8	13,533.0	10,613.2	3,150.6	78.42
69.4	200.0	3,184.4	13,880.0	10,786.4	3,234.6	77.71
69.4	205.0	3,151.5	14,227.0	10,952.5	3,318.7	76.98
69.4	210.0	3,118.2	14,574.0	11,111.4	3,402.8	76.24
69.4	215.0	3,084.2	14,921.0	11,261.6	3,486.8	75.47
69.3	220.0	3,049.7	15,246.0	11,404.2	3,570.9	74.80
69.3	225.0	3,014.5	15,592.5	11,538.0	3,655.0	74.00
69.3	230.0	2,978.7	15,939.0	11,663.0	3,739.0	73.17
69.3	235.0	2,942.0	16,285.5	11,778.4	3,823.1	72.32
69.3	240.0	2,904.5	16,632.0	11,884.1	3,907.2	71.45
69.3	245.0	2,866.2	16,978.5	11,979.8	3,991.3	70.56
69.2	250.0	2,826.9	17,300.0	12,064.2	4,075.3	69.74

nl = rpm with no load

lo = current with no load

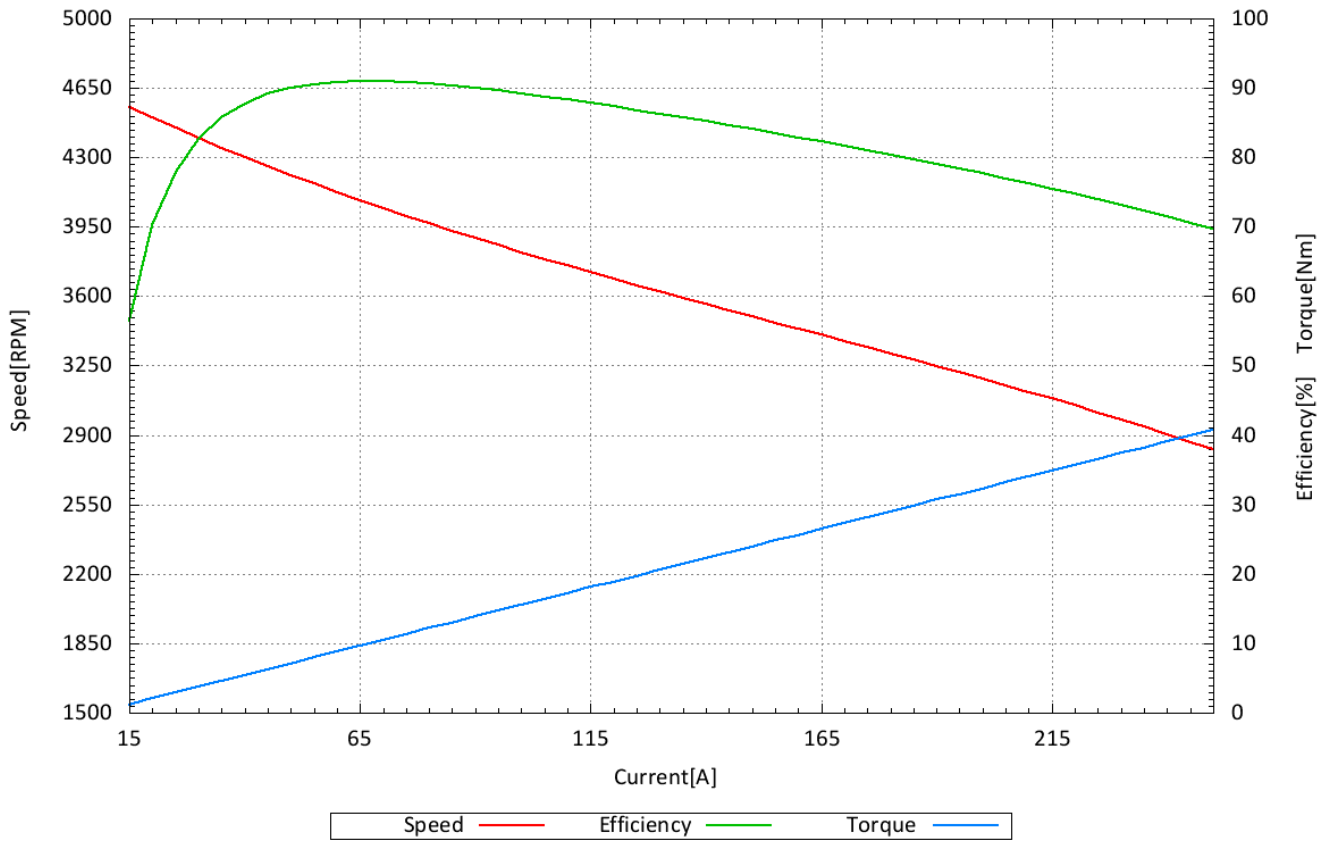
kV = specific rpm

kn = rpm drop per Amp

kT = torque constant

¹ incl. Controller

HP875_50_B6_P30_HF_RS_70V_MST140-200_11032024



Report calculated on Test Bench Results

Motor type: **NOVA 15-50-B6 P30**

Date: 11.03.2024

Bearing type: RS

Controller: MST 140-200

Measuring Parameter

Voltage: **80.0 [V]**

Throttle setting: 100%

Calculated Motor Constants

nl: 5,133.1 [RPM] lo: 8.0 [A] kv: 64.9 [RPM/V] kn: -7.63 [RPM/A] kT: 16.97 [Ncm/A]

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency ¹ [%]
80.0	15.0	5,193.0	1,200.0	648.2	119.2	54.02
79.9	20.0	5,134.8	1,598.0	1,097.5	204.1	68.68
79.9	25.0	5,078.3	1,997.5	1,536.4	288.9	76.91
79.9	30.0	5,023.4	2,397.0	1,966.4	373.8	82.03
79.9	35.0	4,970.1	2,796.5	2,386.9	458.6	85.35
79.9	40.0	4,918.3	3,196.0	2,799.3	543.5	87.59
79.9	45.0	4,868.0	3,595.5	3,202.9	628.3	89.08
79.8	50.0	4,819.0	3,990.0	3,599.1	713.2	90.20
79.8	55.0	4,771.4	4,389.0	3,987.3	798.0	90.85
79.8	60.0	4,725.0	4,788.0	4,368.6	882.9	91.24
79.8	65.0	4,679.9	5,187.0	4,742.5	967.7	91.43
79.8	70.0	4,635.9	5,586.0	5,110.1	1,052.6	91.48
79.8	75.0	4,593.0	5,985.0	5,470.6	1,137.4	91.41
79.8	80.0	4,551.2	6,384.0	5,825.5	1,222.3	91.25
79.7	85.0	4,510.3	6,774.5	6,173.7	1,307.1	91.13
79.7	90.0	4,470.3	7,173.0	6,515.9	1,391.9	90.84
79.7	95.0	4,431.2	7,571.5	6,852.9	1,476.8	90.51
79.7	100.0	4,392.9	7,970.0	7,183.7	1,561.6	90.13
79.7	105.0	4,355.4	8,368.5	7,509.6	1,646.5	89.74
79.7	110.0	4,318.5	8,767.0	7,829.5	1,731.3	89.31
79.7	115.0	4,282.2	9,165.5	8,144.4	1,816.2	88.86
79.6	120.0	4,246.5	9,552.0	8,453.6	1,901.0	88.50
79.6	125.0	4,211.3	9,950.0	8,757.9	1,985.9	88.02
79.6	130.0	4,176.5	10,348.0	9,056.5	2,070.7	87.52
79.6	135.0	4,142.1	10,746.0	9,350.1	2,155.6	87.01
79.6	140.0	4,108.0	11,144.0	9,637.9	2,240.4	86.49

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency ¹ [%]
79.6	145.0	4,074.2	11,542.0	9,920.9	2,325.3	85.95
79.5	150.0	4,040.5	11,925.0	10,197.6	2,410.1	85.51
79.5	155.0	4,007.0	12,322.5	10,469.3	2,495.0	84.96
79.5	160.0	3,973.6	12,720.0	10,734.9	2,579.8	84.39
79.5	165.0	3,940.2	13,117.5	10,995.0	2,664.7	83.82
79.5	170.0	3,906.8	13,515.0	11,248.7	2,749.5	83.23
79.5	175.0	3,873.3	13,912.5	11,496.6	2,834.4	82.64
79.5	180.0	3,839.6	14,310.0	11,737.6	2,919.2	82.02
79.4	185.0	3,805.7	14,689.0	11,972.3	3,004.1	81.51
79.4	190.0	3,771.5	15,086.0	12,199.6	3,088.9	80.87
79.4	195.0	3,737.0	15,483.0	12,419.9	3,173.7	80.22
79.4	200.0	3,702.1	15,880.0	12,633.0	3,258.6	79.55
79.4	205.0	3,666.7	16,277.0	12,837.9	3,343.4	78.87
79.4	210.0	3,630.8	16,674.0	13,035.0	3,428.3	78.18
79.4	215.0	3,594.3	17,071.0	13,223.1	3,513.1	77.46
79.3	220.0	3,557.2	17,446.0	13,402.9	3,598.0	76.82
79.3	225.0	3,519.4	17,842.5	13,573.0	3,682.8	76.07
79.3	230.0	3,480.9	18,239.0	13,734.0	3,767.7	75.30
79.3	235.0	3,441.5	18,635.5	13,884.1	3,852.5	74.50
79.3	240.0	3,401.3	19,032.0	14,024.4	3,937.4	73.69
79.3	245.0	3,360.1	19,428.5	14,152.9	4,022.2	72.85
79.2	250.0	3,317.9	19,800.0	14,270.1	4,107.1	72.07

nl = rpm with no load

lo = current with no load

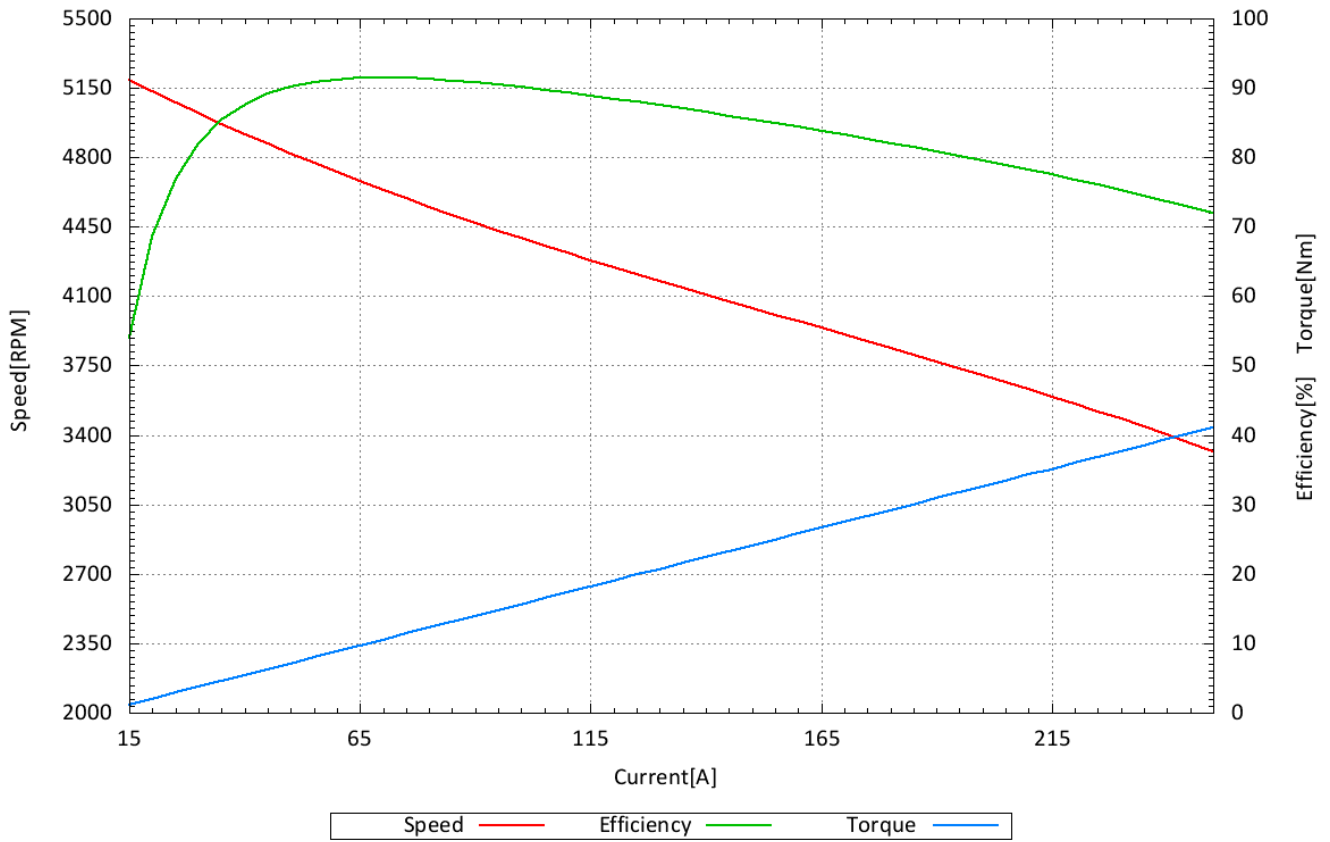
kV = specific rpm

kn = rpm drop per Amp

kT = torque constant

¹ incl. Controller

HP875_50_B6_P30_HF_RS_80V_MST140-200_11032024



Report calculated on Test Bench Results

Motor type: **NOVA 15-50-B6 P30**

Date: 11.03.2024

Bearing type: RS

Controller: MST 140-200

Measuring Parameter

Voltage: **90.0 [V]**

Throttle setting: 100%

Calculated Motor Constants

nl: 5,753.5 [RPM] lo: 8.3 [A] kv: 64.7 [RPM/V] kn: -8.21 [RPM/A] kT: 17.09 [Ncm/A]

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency ¹ [%]
90.0	15.0	5,826.3	1,350.0	693.7	113.7	51.39
89.9	20.0	5,762.9	1,798.0	1,201.5	199.1	66.83
89.9	25.0	5,701.3	2,247.5	1,699.2	284.6	75.60
89.9	30.0	5,641.6	2,697.0	2,185.9	370.0	81.05
89.9	35.0	5,583.6	3,146.5	2,663.4	455.5	84.65
89.9	40.0	5,527.2	3,596.0	3,130.8	540.9	87.06
89.9	45.0	5,472.5	4,045.5	3,589.8	626.4	88.73
89.8	50.0	5,419.3	4,490.0	4,040.1	711.9	89.98
89.8	55.0	5,367.5	4,939.0	4,481.5	797.3	90.74
89.8	60.0	5,317.2	5,388.0	4,915.6	882.8	91.23
89.8	65.0	5,268.3	5,837.0	5,341.5	968.2	91.51
89.8	70.0	5,220.6	6,286.0	5,760.6	1,053.7	91.64
89.8	75.0	5,174.1	6,735.0	6,172.0	1,139.1	91.64
89.8	80.0	5,128.8	7,184.0	6,577.2	1,224.6	91.55
89.7	85.0	5,084.6	7,624.5	6,975.2	1,310.0	91.48
89.7	90.0	5,041.4	8,073.0	7,367.3	1,395.5	91.26
89.7	95.0	4,999.2	8,521.5	7,752.7	1,480.9	90.98
89.7	100.0	4,957.8	8,970.0	8,132.4	1,566.4	90.66
89.7	105.0	4,917.3	9,418.5	8,506.3	1,651.9	90.31
89.7	110.0	4,877.6	9,867.0	8,873.8	1,737.3	89.93
89.7	115.0	4,838.6	10,315.5	9,236.1	1,822.8	89.54
89.6	120.0	4,800.2	10,752.0	9,592.1	1,908.2	89.21
89.6	125.0	4,762.3	11,200.0	9,942.7	1,993.7	88.77
89.6	130.0	4,725.0	11,648.0	10,287.4	2,079.1	88.32
89.6	135.0	4,688.2	12,096.0	10,627.0	2,164.6	87.86
89.6	140.0	4,651.7	12,544.0	10,960.3	2,250.0	87.37

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency ¹ [%]
89.6	145.0	4,615.5	12,992.0	11,288.3	2,335.5	86.89
89.5	150.0	4,579.6	13,425.0	11,610.5	2,421.0	86.48
89.5	155.0	4,543.9	13,872.5	11,926.4	2,506.4	85.97
89.5	160.0	4,508.3	14,320.0	12,236.6	2,591.9	85.45
89.5	165.0	4,472.7	14,767.5	12,539.9	2,677.3	84.92
89.5	170.0	4,437.1	15,215.0	12,837.4	2,762.8	84.37
89.5	175.0	4,401.5	15,662.5	13,128.0	2,848.2	83.82
89.5	180.0	4,365.8	16,110.0	13,412.5	2,933.7	83.26
89.4	185.0	4,329.8	16,539.0	13,689.1	3,019.1	82.77
89.4	190.0	4,293.6	16,986.0	13,959.0	3,104.6	82.18
89.4	195.0	4,257.0	17,433.0	14,221.2	3,190.1	81.58
89.4	200.0	4,220.1	17,880.0	14,475.3	3,275.5	80.96
89.4	205.0	4,182.6	18,327.0	14,721.2	3,361.0	80.33
89.4	210.0	4,144.7	18,774.0	14,958.5	3,446.4	79.68
89.4	215.0	4,106.2	19,221.0	15,187.2	3,531.9	79.01
89.3	220.0	4,067.0	19,646.0	15,405.9	3,617.3	78.42
89.3	225.0	4,027.1	20,092.5	15,615.3	3,702.8	77.72
89.3	230.0	3,986.5	20,539.0	15,814.4	3,788.2	77.00
89.3	235.0	3,944.9	20,985.5	16,002.6	3,873.7	76.26
89.3	240.0	3,902.5	21,432.0	16,179.6	3,959.1	75.49
89.3	245.0	3,859.1	21,878.5	16,345.2	4,044.6	74.71
89.2	250.0	3,814.7	22,300.0	16,498.7	4,130.1	73.99

nl = rpm with no load

lo = current with no load

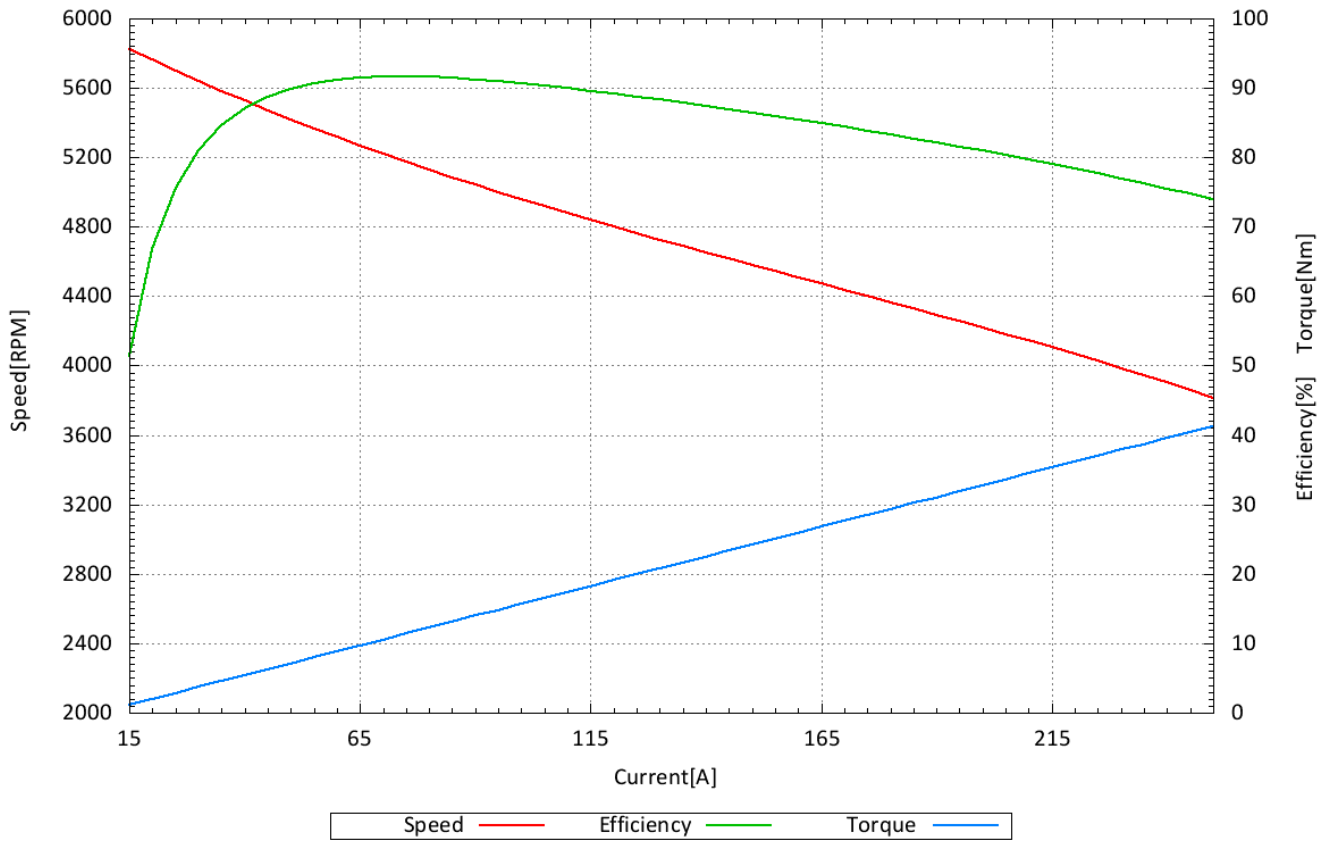
kV = specific rpm

kn = rpm drop per Amp

kT = torque constant

¹ incl. Controller

HP875_50_B6_P30_HF_RS_90V_MST140-200_11032024



Report calculated on Test Bench Results

Motor type: **NOVA 15-50-B6 P30**

Date: 11.03.2024

Bearing type: RS

Controller: MST 140-200

Measuring Parameter

Voltage: **100.0 [V]**

Throttle setting: 100%

Calculated Motor Constants

nl: 6,389.9 [RPM] lo: 8.7 [A] kv: 64.7 [RPM/V] kn: -9.12 [RPM/A] kT: 17.09 [Ncm/A]

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency ¹ [%]
100.0	15.0	6,475.9	1,500.0	735.1	108.4	49.01
99.9	20.0	6,406.2	1,998.0	1,300.1	193.8	65.07
99.9	25.0	6,338.4	2,497.5	1,853.9	279.3	74.23
99.9	30.0	6,272.7	2,997.0	2,395.6	364.7	79.93
99.9	35.0	6,208.9	3,496.5	2,927.2	450.2	83.72
99.9	40.0	6,146.9	3,996.0	3,448.3	535.7	86.29
99.9	45.0	6,086.7	4,495.5	3,958.9	621.1	88.06
99.8	50.0	6,028.2	4,990.0	4,460.6	706.6	89.39
99.8	55.0	5,971.3	5,489.0	4,952.5	792.0	90.23
99.8	60.0	5,915.9	5,988.0	5,436.2	877.5	90.79
99.8	65.0	5,862.1	6,487.0	5,911.0	962.9	91.12
99.8	70.0	5,809.6	6,986.0	6,378.3	1,048.4	91.30
99.8	75.0	5,758.5	7,485.0	6,837.1	1,133.8	91.34
99.8	80.0	5,708.7	7,984.0	7,289.1	1,219.3	91.30
99.7	85.0	5,660.0	8,474.5	7,733.7	1,304.8	91.26
99.7	90.0	5,612.5	8,973.0	8,170.8	1,390.2	91.06
99.7	95.0	5,566.1	9,471.5	8,601.6	1,475.7	90.82
99.7	100.0	5,520.6	9,970.0	9,025.0	1,561.1	90.52
99.7	105.0	5,476.0	10,468.5	9,442.4	1,646.6	90.20
99.7	110.0	5,432.3	10,967.0	9,852.8	1,732.0	89.84
99.7	115.0	5,389.4	11,465.5	10,257.5	1,817.5	89.46
99.6	120.0	5,347.2	11,952.0	10,655.4	1,902.9	89.15
99.6	125.0	5,305.6	12,450.0	11,047.6	1,988.4	88.74
99.6	130.0	5,264.5	12,948.0	11,433.4	2,073.9	88.30
99.6	135.0	5,224.0	13,446.0	11,812.6	2,159.3	87.85
99.6	140.0	5,183.8	13,944.0	12,185.8	2,244.8	87.39

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency ¹ [%]
99.6	145.0	5,144.0	14,442.0	12,552.3	2,330.2	86.92
99.5	150.0	5,104.5	14,925.0	12,912.9	2,415.7	86.52
99.5	155.0	5,065.2	15,422.5	13,266.5	2,501.1	86.02
99.5	160.0	5,026.1	15,920.0	13,614.1	2,586.6	85.52
99.5	165.0	4,987.0	16,417.5	13,954.2	2,672.0	85.00
99.5	170.0	4,947.8	16,915.0	14,287.5	2,757.5	84.47
99.5	175.0	4,908.7	17,412.5	14,613.6	2,842.9	83.93
99.5	180.0	4,869.3	17,910.0	14,932.3	2,928.4	83.37
99.4	185.0	4,829.8	18,389.0	15,243.6	3,013.9	82.90
99.4	190.0	4,789.9	18,886.0	15,546.0	3,099.3	82.31
99.4	195.0	4,749.7	19,383.0	15,840.8	3,184.8	81.73
99.4	200.0	4,709.0	19,880.0	16,126.2	3,270.2	81.12
99.4	205.0	4,667.9	20,377.0	16,403.4	3,355.7	80.50
99.4	210.0	4,626.2	20,874.0	16,670.6	3,441.1	79.86
99.4	215.0	4,583.8	21,371.0	16,928.2	3,526.6	79.21
99.3	220.0	4,540.7	21,846.0	17,175.1	3,612.0	78.62
99.3	225.0	4,496.8	22,342.5	17,411.7	3,697.5	77.93
99.3	230.0	4,452.1	22,839.0	17,637.2	3,783.0	77.22
99.3	235.0	4,406.4	23,335.5	17,850.2	3,868.4	76.49
99.3	240.0	4,359.8	23,832.0	18,051.8	3,953.9	75.75
99.3	245.0	4,312.0	24,328.5	18,239.5	4,039.3	74.97
99.2	250.0	4,263.1	24,800.0	18,414.4	4,124.8	74.25

nl = rpm with no load

lo = current with no load

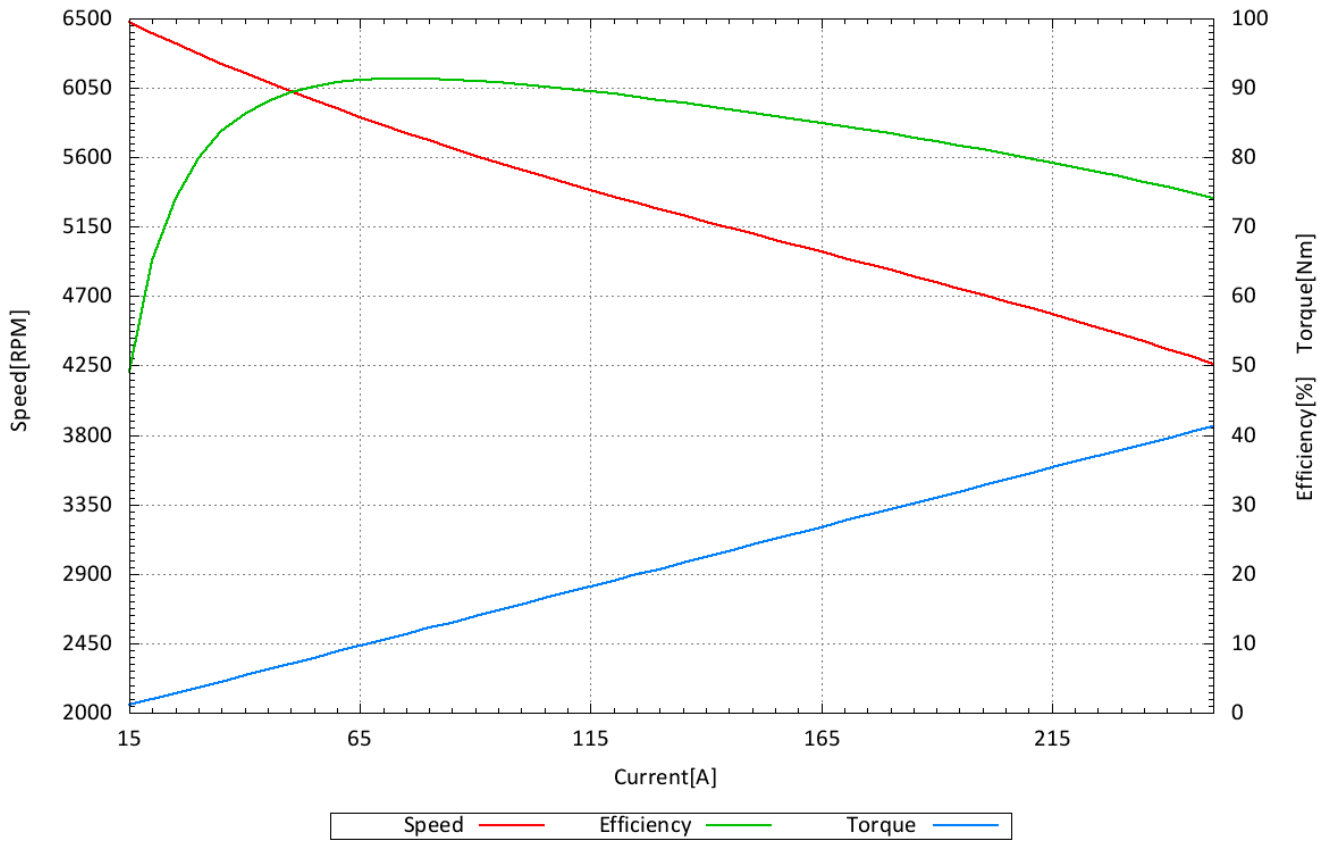
kV = specific rpm

kn = rpm drop per Amp

kT = torque constant

¹ incl. Controller

HP875_50_B6_P30_HF_RS_100V_MST140-200_11032024



Report calculated on Test Bench Results

Motor type: **NOVA 15-50-B6 P30**

Date: 11.03.2024

Bearing type: RS

Controller: MST 140-200

Measuring Parameter

Voltage: **110.0 [V]**

Throttle setting: 100%

Calculated Motor Constants

nl: 7,025.8 [RPM] lo: 9.0 [A] kv: 64.7 [RPM/V] kn: -10.03 [RPM/A] kT: 17.09 [Ncm/A]

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency ¹ [%]
110.0	15.0	7,125.5	1,650.0	769.3	103.1	46.62
109.9	20.0	7,049.4	2,198.0	1,392.3	188.6	63.34
109.9	25.0	6,975.6	2,747.5	2,001.5	274.0	72.85
109.9	30.0	6,903.9	3,297.0	2,599.1	359.5	78.83
109.9	35.0	6,834.2	3,846.5	3,184.0	444.9	82.78
109.9	40.0	6,766.6	4,396.0	3,758.4	530.4	85.50
109.9	45.0	6,700.9	4,945.5	4,321.2	615.8	87.38
109.8	50.0	6,637.1	5,490.0	4,874.3	701.3	88.78
109.8	55.0	6,575.0	6,039.0	5,416.7	786.7	89.70
109.8	60.0	6,514.6	6,588.0	5,950.2	872.2	90.32
109.8	65.0	6,455.9	7,137.0	6,474.6	957.7	90.72
109.8	70.0	6,398.7	7,686.0	6,989.5	1,043.1	90.94
109.8	75.0	6,342.9	8,235.0	7,496.5	1,128.6	91.03
109.8	80.0	6,288.5	8,784.0	7,994.6	1,214.0	91.01
109.7	85.0	6,235.5	9,324.5	8,485.5	1,299.5	91.00
109.7	90.0	6,183.6	9,873.0	8,967.9	1,384.9	90.83
109.7	95.0	6,133.0	10,421.5	9,443.6	1,470.4	90.62
109.7	100.0	6,083.4	10,970.0	9,911.3	1,555.8	90.35
109.7	105.0	6,034.8	11,518.5	10,372.4	1,641.3	90.05
109.7	110.0	5,987.1	12,067.0	10,825.9	1,726.7	89.71
109.7	115.0	5,940.2	12,615.5	11,272.9	1,812.2	89.36
109.6	120.0	5,894.2	13,152.0	11,713.3	1,897.7	89.06
109.6	125.0	5,848.8	13,700.0	12,146.2	1,983.1	88.66
109.6	130.0	5,804.0	14,248.0	12,572.8	2,068.6	88.24
109.6	135.0	5,759.8	14,796.0	12,992.2	2,154.0	87.81
109.6	140.0	5,716.0	15,344.0	13,405.2	2,239.5	87.36

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency ¹ [%]
109.6	145.0	5,672.6	15,892.0	13,810.7	2,324.9	86.90
109.5	150.0	5,629.5	16,425.0	14,209.8	2,410.4	86.51
109.5	155.0	5,586.6	16,972.5	14,601.1	2,495.8	86.03
109.5	160.0	5,543.9	17,520.0	14,985.9	2,581.3	85.54
109.5	165.0	5,501.2	18,067.5	15,363.0	2,666.8	85.03
109.5	170.0	5,458.5	18,615.0	15,731.9	2,752.2	84.51
109.5	175.0	5,415.8	19,162.5	16,093.8	2,837.7	83.99
109.5	180.0	5,372.9	19,710.0	16,446.8	2,923.1	83.44
109.4	185.0	5,329.7	20,239.0	16,791.7	3,008.6	82.97
109.4	190.0	5,286.2	20,786.0	17,127.4	3,094.0	82.40
109.4	195.0	5,242.4	21,333.0	17,454.9	3,179.5	81.82
109.4	200.0	5,198.0	21,880.0	17,771.9	3,264.9	81.22
109.4	205.0	5,153.1	22,427.0	18,079.8	3,350.4	80.62
109.4	210.0	5,107.6	22,974.0	18,377.5	3,435.9	79.99
109.4	215.0	5,061.4	23,521.0	18,663.9	3,521.3	79.35
109.3	220.0	5,014.4	24,046.0	18,939.5	3,606.8	78.76
109.3	225.0	4,966.5	24,592.5	19,202.8	3,692.2	78.08
109.3	230.0	4,917.7	25,139.0	19,454.4	3,777.7	77.39
109.3	235.0	4,867.9	25,685.5	19,692.7	3,863.1	76.67
109.3	240.0	4,817.0	26,232.0	19,918.1	3,948.6	75.93
109.3	245.0	4,764.9	26,778.5	20,128.8	4,034.0	75.17
109.2	250.0	4,711.6	27,300.0	20,325.5	4,119.5	74.45

nl = rpm with no load

lo = current with no load

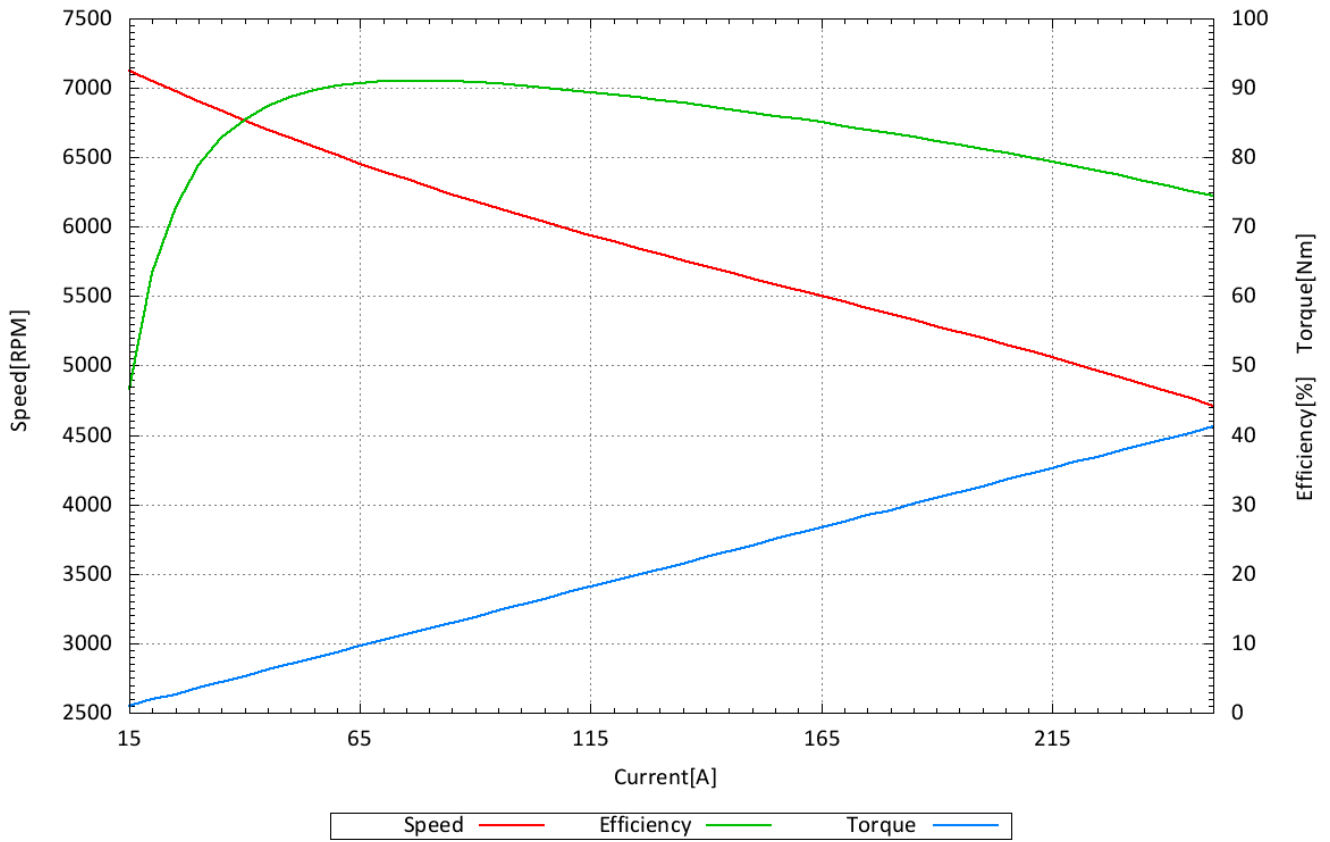
kV = specific rpm

kn = rpm drop per Amp

kT = torque constant

¹ incl. Controller

HP875_50_B6_P30_HF_RS_110V_MST140-200_11032024



Report calculated on Test Bench Results

Motor type: **NOVA 15-50-B6 P30**

Date: 11.03.2024

Bearing type: RS

Controller: MST 140-200

Measuring Parameter

Voltage: **120.0 [V]**

Throttle setting: 100%

Calculated Motor Constants

nl: 7,661.2 [RPM] lo: 9.3 [A] kv: 64.7 [RPM/V] kn: -10.95 [RPM/A] kT: 17.09 [Ncm/A]

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency ¹ [%]
120.0	15.0	7,775.1	1,800.0	796.3	97.8	44.24
119.9	20.0	7,692.7	2,398.0	1,476.6	183.3	61.58
119.9	25.0	7,612.7	2,997.5	2,142.1	268.7	71.46
119.9	30.0	7,535.0	3,597.0	2,794.9	354.2	77.70
119.9	35.0	7,459.6	4,196.5	3,434.0	439.6	81.83
119.9	40.0	7,386.3	4,796.0	4,061.6	525.1	84.69
119.9	45.0	7,315.1	5,395.5	4,676.6	610.5	86.68
119.8	50.0	7,246.0	5,990.0	5,281.2	696.0	88.17
119.8	55.0	7,178.7	6,589.0	5,874.9	781.5	89.16
119.8	60.0	7,113.3	7,188.0	6,457.6	866.9	89.84
119.8	65.0	7,049.7	7,787.0	7,031.0	952.4	90.29
119.8	70.0	6,987.7	8,386.0	7,594.1	1,037.8	90.56
119.8	75.0	6,927.3	8,985.0	8,148.7	1,123.3	90.69
119.8	80.0	6,868.4	9,584.0	8,693.7	1,208.7	90.71
119.7	85.0	6,810.9	10,174.5	9,230.7	1,294.2	90.72
119.7	90.0	6,754.8	10,773.0	9,758.8	1,379.6	90.59
119.7	95.0	6,699.9	11,371.5	10,279.3	1,465.1	90.40
119.7	100.0	6,646.1	11,970.0	10,791.8	1,550.6	90.16
119.7	105.0	6,593.5	12,568.5	11,296.1	1,636.0	89.88
119.7	110.0	6,541.8	13,167.0	11,793.2	1,721.5	89.57
119.7	115.0	6,491.1	13,765.5	12,282.3	1,806.9	89.23
119.6	120.0	6,441.2	14,352.0	12,764.6	1,892.4	88.94
119.6	125.0	6,392.0	14,950.0	13,238.8	1,977.8	88.55
119.6	130.0	6,343.5	15,548.0	13,706.3	2,063.3	88.15
119.6	135.0	6,295.6	16,146.0	14,165.8	2,148.7	87.74
119.6	140.0	6,248.1	16,744.0	14,618.4	2,234.2	87.31

Voltage [V]	Current [A]	Speed [RPM]	Input Power [W]	Output Power [W]	Torque [Ncm]	Efficiency ¹ [%]
119.6	145.0	6,201.1	17,342.0	15,063.0	2,319.6	86.86
119.5	150.0	6,154.4	17,925.0	15,500.6	2,405.1	86.47
119.5	155.0	6,108.0	18,522.5	15,930.6	2,490.6	86.01
119.5	160.0	6,061.7	19,120.0	16,351.9	2,576.0	85.52
119.5	165.0	6,015.5	19,717.5	16,765.9	2,661.5	85.03
119.5	170.0	5,969.2	20,315.0	17,170.7	2,746.9	84.52
119.5	175.0	5,922.9	20,912.5	17,567.8	2,832.4	84.01
119.5	180.0	5,876.4	21,510.0	17,955.4	2,917.8	83.47
119.4	185.0	5,829.7	22,089.0	18,334.7	3,003.3	83.00
119.4	190.0	5,782.6	22,686.0	18,703.7	3,088.7	82.45
119.4	195.0	5,735.1	23,283.0	19,063.6	3,174.2	81.88
119.4	200.0	5,687.0	23,880.0	19,412.9	3,259.7	81.29
119.4	205.0	5,638.4	24,477.0	19,751.2	3,345.1	80.69
119.4	210.0	5,589.1	25,074.0	20,078.9	3,430.6	80.08
119.4	215.0	5,539.0	25,671.0	20,394.3	3,516.0	79.44
119.3	220.0	5,488.1	26,246.0	20,698.3	3,601.5	78.86
119.3	225.0	5,436.2	26,842.5	20,988.7	3,686.9	78.19
119.3	230.0	5,383.3	27,439.0	21,266.4	3,772.4	77.50
119.3	235.0	5,329.4	28,035.5	21,530.1	3,857.8	76.80
119.3	240.0	5,274.2	28,632.0	21,779.4	3,943.3	76.07
119.3	245.0	5,217.8	29,228.5	22,013.6	4,028.8	75.32
119.2	250.0	5,160.0	29,800.0	22,231.2	4,114.2	74.60

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_50_B6_P30_HF_RS_120V_MST140-200_11032024

