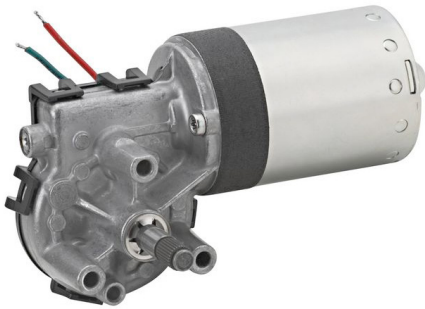


CHP | 12V 14 W

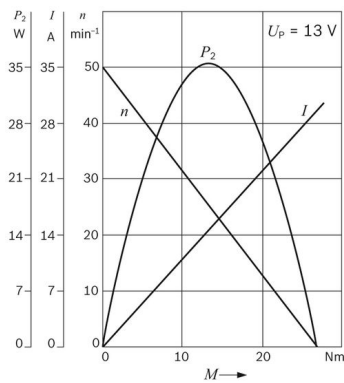


Technical data

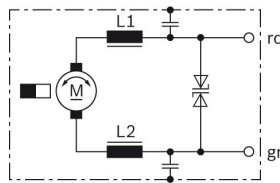
Part number	F 006 B20 092
Nominal voltage	U_N 12 V
Nominal power	P_N 14 W
Nominal current	I_N 6,1 A
Maximum current	I_{max} 27 A
Nominal speed	n_N 49 min ⁻¹
Nominal torque	M_N 2,7 Nm
Breakaway torque	M_A 27 Nm
Direction of rotation	L/R
Type of duty	S1
Degree of protection	IP 23
Weight	approx. 1,10 kg

Clockwise (+) to red, (-) to green
Anti-clockwise (+) to green, (-) to red

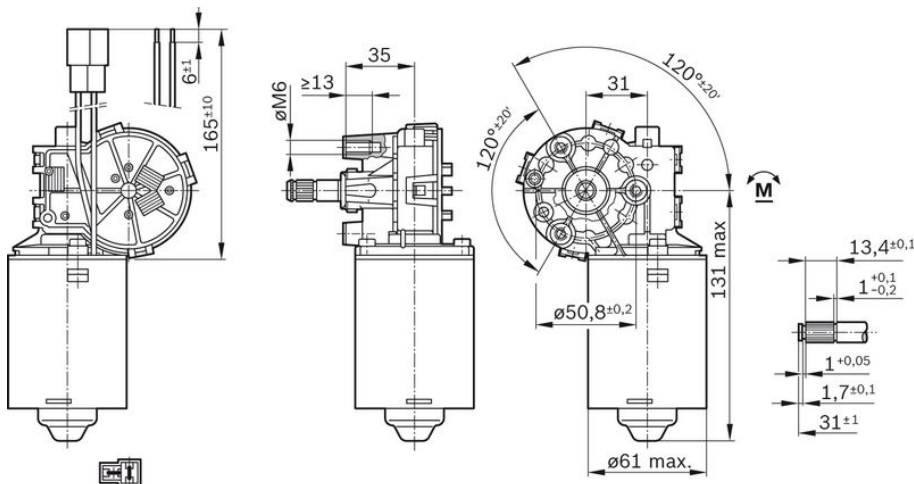
Characteristic curve



Connection diagram



Dimensional drawing



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CHP | 12 V 42 W

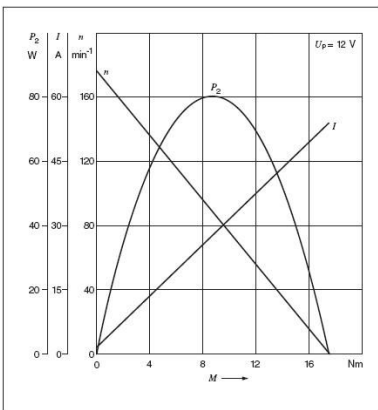


Technical data

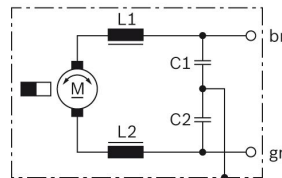
Part number	F 006 B20 093
Nominal voltage	U_N 12 V
Nominal power	P_N 42 W
Nominal current	I_N 9,4 A
Maximum current	I_{max} 45 A
Nominal speed	n_N 135 min ⁻¹
Nominal torque	M_N 3 Nm
Breakaway torque	M_A 17,5 Nm
Reduction	i 52 : 2
Direction of rotation	L/R
Type of duty	S 1
Degree of protection	IP 23
Weight	approx. 1,10 kg
Similar part number	0390251684

Clockwise (+) to green, (-) to brown
 Anti-clockwise (+) to brown, (-) to green
 On request

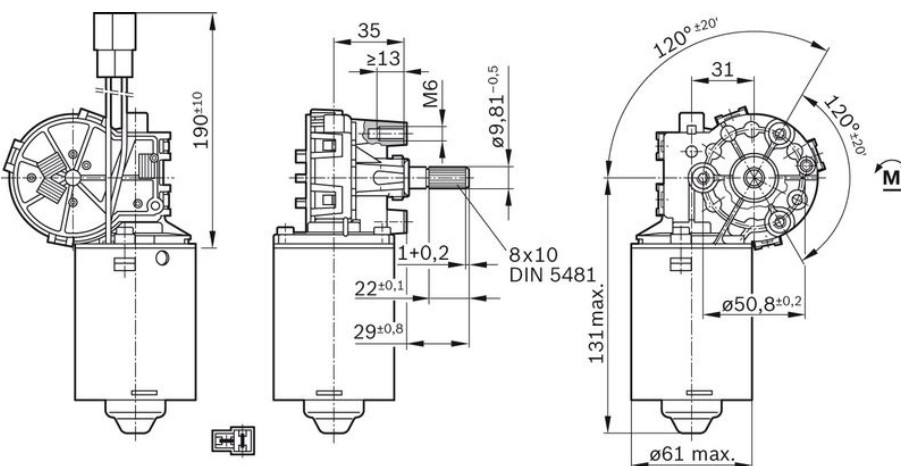
Characteristic curve



Connection diagram



Dimensional drawing



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CHP | 24V 13W

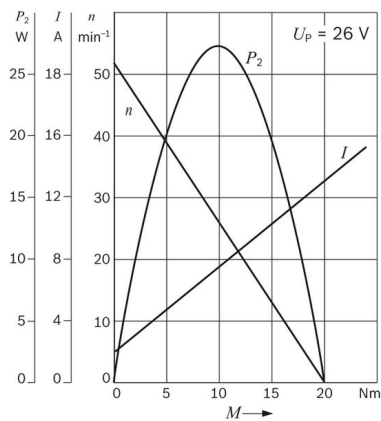


Technical data

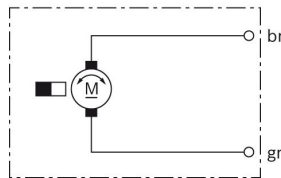
Part number	F 006 B20 095
Nominal voltage	U_N 24 V
Nominal power	P_N 13 W
Nominal current	I_N 1,9 A
Maximum current	I_{max} 8 A
Nominal speed	n_N 46 min ⁻¹
Nominal torque	M_N 2,5 Nm
Breakaway torque	M_A 25 Nm
Reduction	i 55 : 1
Direction of rotation	L/R
Type of duty	S 1
Degree of protection	IP 23
Weight	approx. 1,20 kg
Similar part number	0390257699

Clockwise (+) to green, (-) to brown
 Anti-clockwise (+) to brown, (-) to green

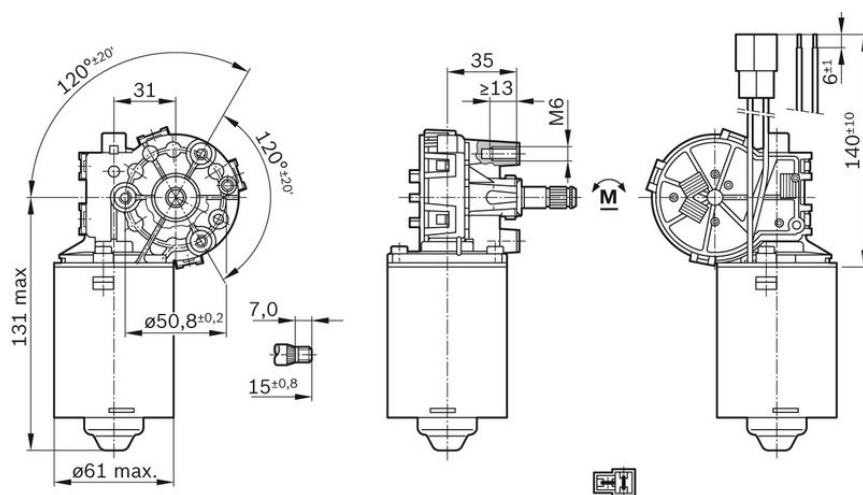
Characteristic curve



Connection diagram



Dimensional drawing



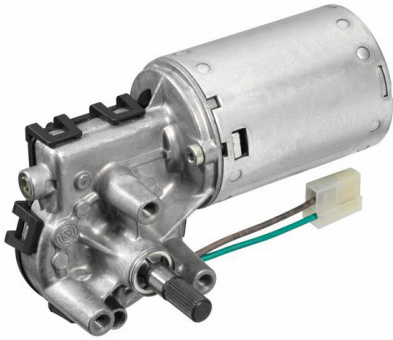
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CHP | 24V 12W



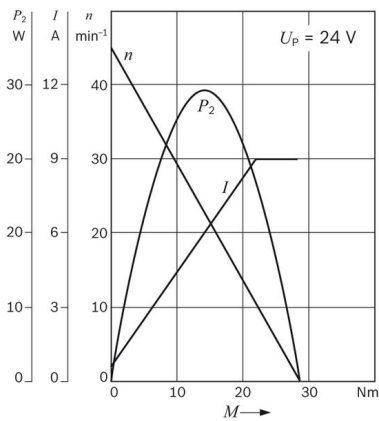
Technical data

Part number	F 006 B20 096
Nominal voltage	U_N 24 V
Nominal power	P_N 12 W
Nominal current	I_N 2,7 A
Maximum current	I_{max} 11 A
Nominal speed	n_N 40 min ⁻¹
Nominal torque	M_N 2,9 Nm
Breakaway torque	M_A 29 Nm
Reduction	i 55 : 1
Direction of rotation	L/R
Type of duty	S 1
Degree of protection	IP 23
Weight	approx. 1,20 kg

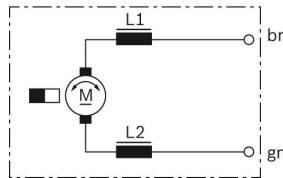
Clockwise
Anti-clockwise

(+) to green, (-) to brown
(-) to brown, (+) to green

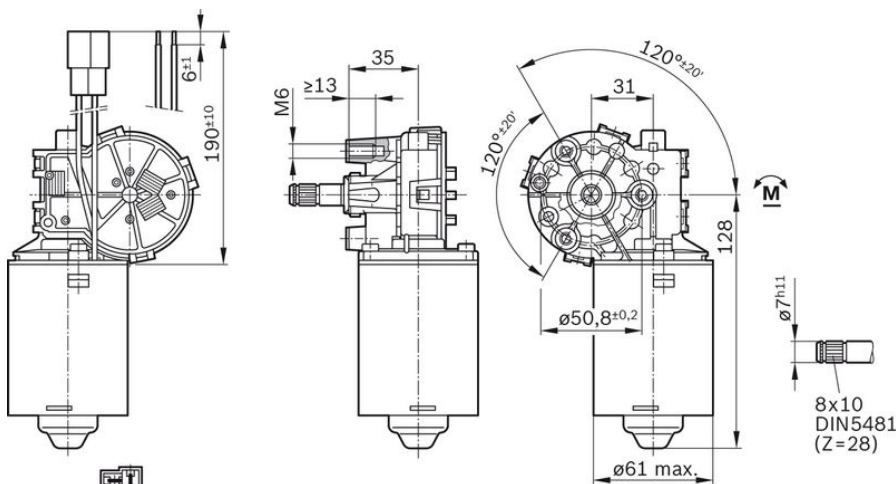
Characteristic curve



Connection diagram



Dimensional drawing



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CHP | 24 V 16.6 W

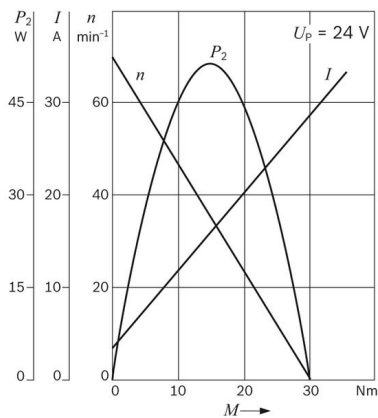


Technical data

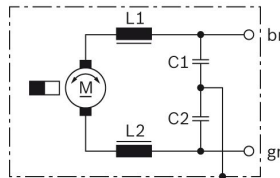
Part number	F 006 B20 097
Nominal voltage	U_N 24 V
Nominal power	P_N 17 W
Nominal current	I_N 5,3 A
Maximum current	I_{max} 21 A
Nominal speed	n_N 66 min ⁻¹
Nominal torque	M_N 2,4 Nm
Breakaway torque	M_A 24 Nm
Reduction	i 69 : 1
Direction of rotation	L/R
Type of duty	S 1
Degree of protection	IP 23
Weight	approx. 1,20 kg
Similar part number	0390257685

Clockwise (+) to green, (-) to brown
 Anti-clockwise (+) to brown, (-) to green
 On request

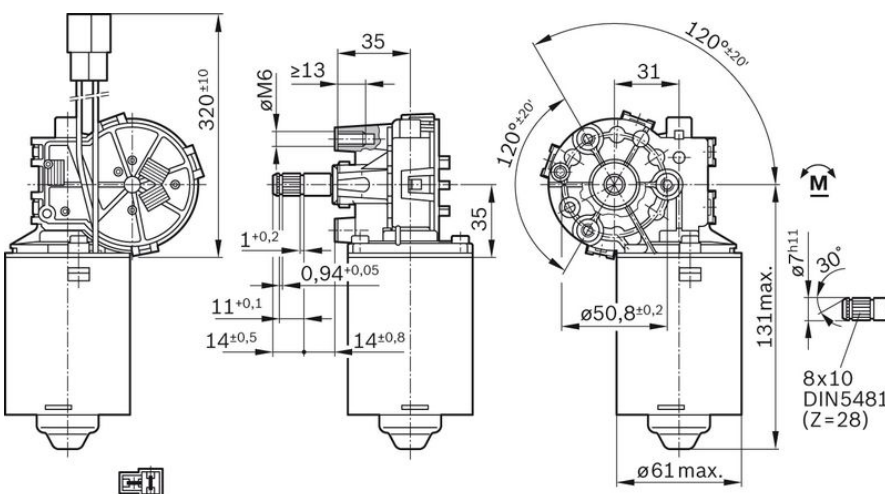
Characteristic curve



Connection diagram



Dimensional drawing



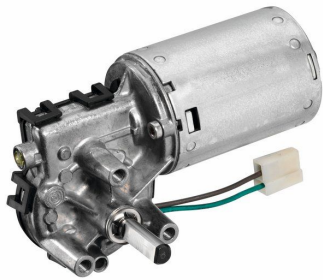
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CHP | 24 V 57 W



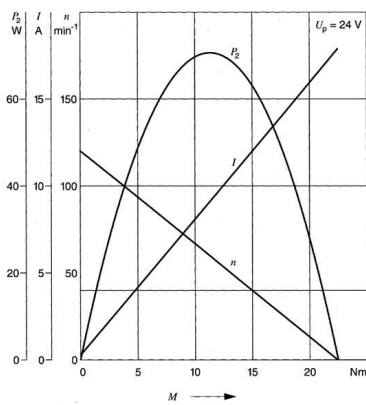
Technical data

Part number	0 390 257 693
Nominal voltage	U_N 24 V
Nominal power	P_N 57 W
Nominal current	I_N 3,5 A
Maximum current	I_{max} 16 A
Nominal speed	n_N 90 min ⁻¹
Nominal torque	M_N 4,5 Nm
Breakaway torque	M_A 16 Nm
Reduction	i 52 : 2
Direction of rotation	L/R
Type of duty	S 1
Degree of protection	IP 23
Weight	approx. 1,10 kg

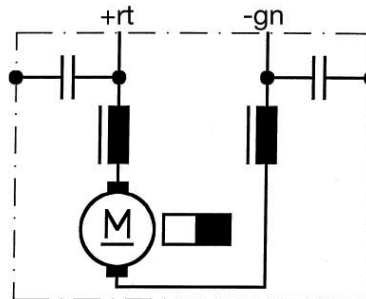
Clockwise
Anti-clockwise

(-) at gn terminal (green)
(+) to red, (-) to green.

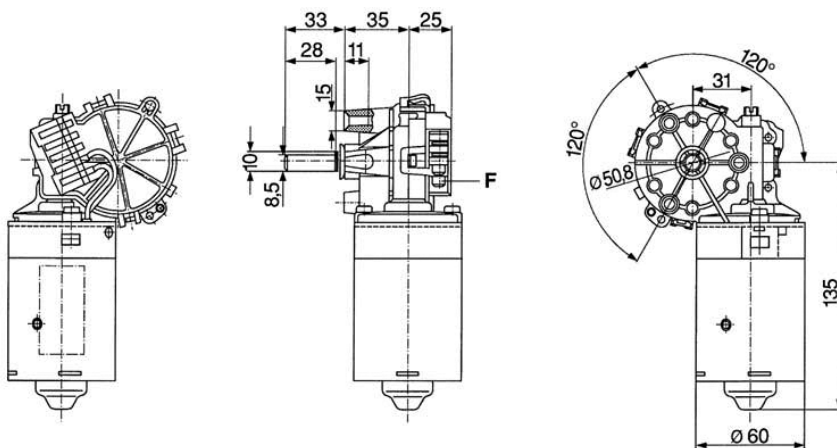
Characteristic curve



Connection diagram



Dimensional drawing



F Blade terminal 6.3 x 0.8

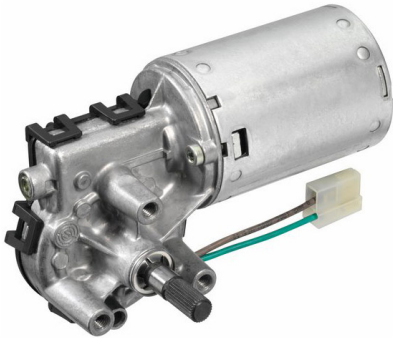
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CHP | 24V 26W

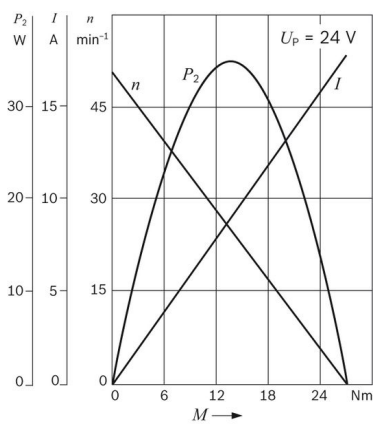


Technical data

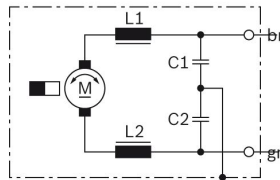
Part number	F 006 B20 098
Nominal voltage	U_N 24 V
Nominal power	P_N 22 W
Nominal current	I_N 4 A
Maximum current	I_{max} 17 A
Nominal torque	M_N 5 Nm
Breakaway torque	M_A 27 Nm
Reduction	i 55 : 1
Direction of rotation	L/R
Type of duty	S 1
Degree of protection	IP 23
Weight	approx. 1,00 kg
Similar part number	0390257690

Clockwise (+) to green, (-) to brown
Anti-clockwise (+) to brown, (-) to green

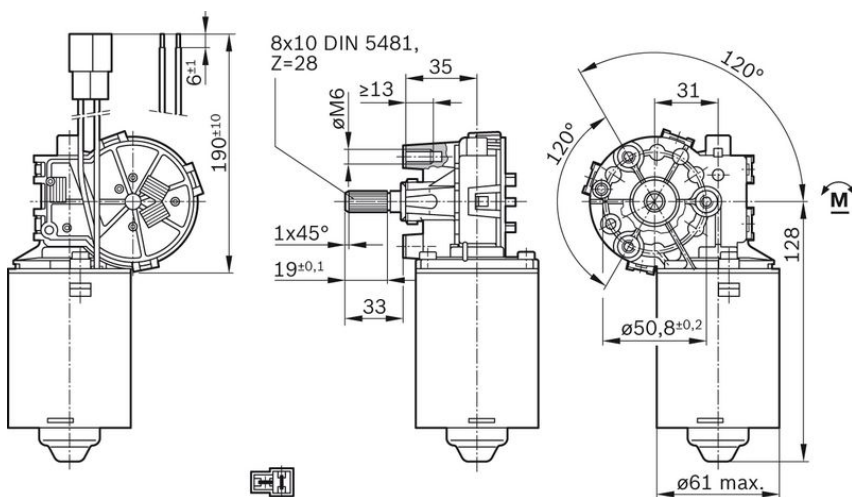
Characteristic curve



Connection diagram



Dimensional drawing



CHP | 24 V 18 W

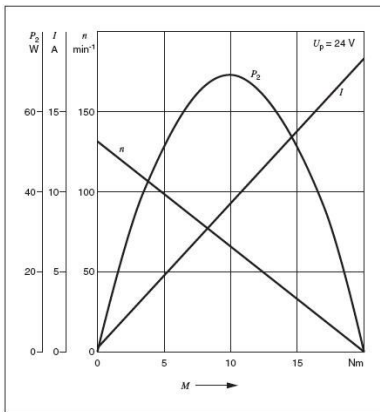


Technical data

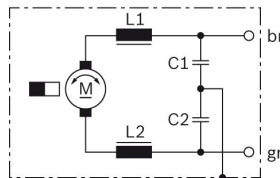
Part number	F 006 B20 099
Nominal voltage	U_N 24 V
Nominal power	P_N 18 W
Nominal current	I_N 4 A
Maximum current	I_{max} 15 A
Nominal speed	n_N 122 min ⁻¹
Nominal torque	M_N 1,4 Nm
Breakaway torque	M_A 14 Nm
Reduction	i 52 : 2
Direction of rotation	L/R
Type of duty	S 1
Degree of protection	IP 23
Weight	approx. 1,10 kg
Similar part number	0390257694

Clockwise (+) to green, (-) to brown
Anti-clockwise (+) to brown, (-) to green

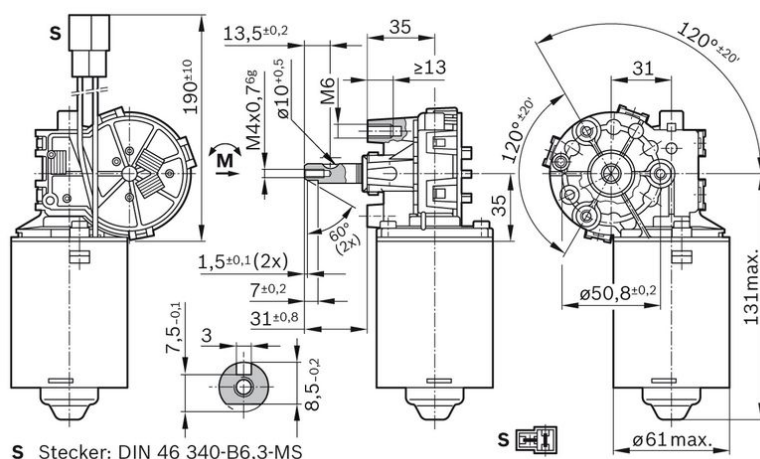
Characteristic curve



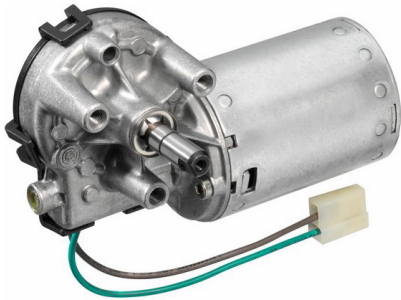
Connection diagram



Dimensional drawing



CHP | 24V 29W

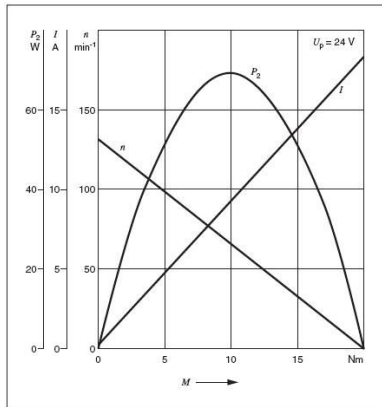


Technical data

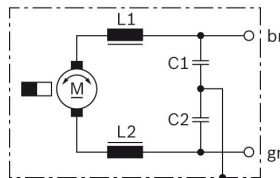
Part number	F 006 B20 100
Nominal voltage	U_N 24 V
Nominal power	P_N 29 W
Nominal current	I_N 3,3 A
Maximum current	I_{max} 14 A
Nominal speed	n_N 94 min ⁻¹
Nominal torque	M_N 3 Nm
Breakaway torque	M_A 20 Nm
Reduction	i 52 : 2
Direction of rotation	L/R
Type of duty	S 1
Degree of protection	IP 23
Weight	approx. 1,00 kg
Similar part number	0390257687

Clockwise (+) to green, (-) to brown
Anti-clockwise (-) to green, (+) to brown

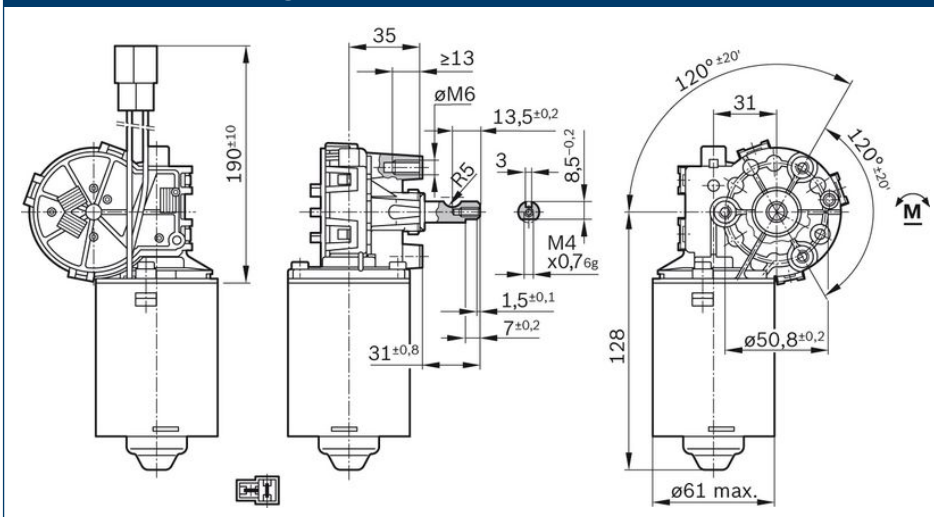
Characteristic curve



Connection diagram



Dimensional drawing

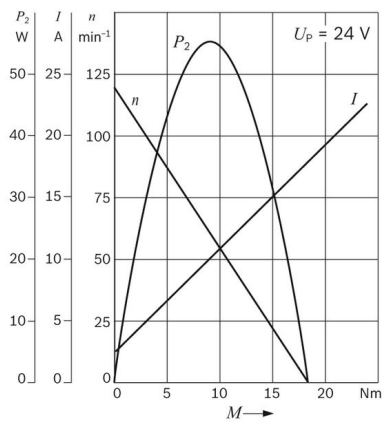


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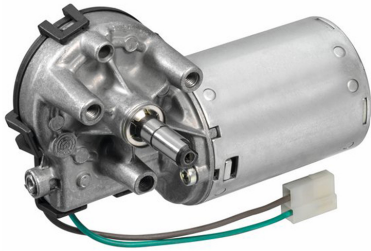


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Part number	F 006 B20 101
Nominal voltage	U_N 24 V
Nominal power	P_N 19 W
Nominal current	I_N 3,3 A
Maximum current	I_{\max} 14,5 A
Nominal speed	n_N 113 min ⁻¹
Nominal torque	M_N 1,6 Nm
Breakaway torque	M_A 16 Nm
Reduction	i 52 : 2
Direction of rotation	L/R
Type of duty	S 1
Degree of protection	IP 23
Weight	approx. 1,10 kg
Similar part number	0390257693

Clockwise	(+) to green, (-) to brown
Anti-clockwise	(+) to brown, (-) to green



Part number	F 006 B20 102
Nominal voltage	U_N 24 V
Nominal power	P_N 24 W
Nominal current	I_N 4,5 A
Maximum current	I_{\max} 18 A
Nominal speed	n_N 174 min ⁻¹
Nominal torque	M_N 1,3 Nm
Breakaway torque	M_A 13 Nm
Reduction	i 52 : 2
Direction of rotation	L/R
Type of duty	S 1
Degree of protection	IP 23
Weight	approx. 1,10 kg
Similar part number	0390257691

Clockwise	(+) to green, (-) to brown
Anti-clockwise	(+) to brown, (-) to green

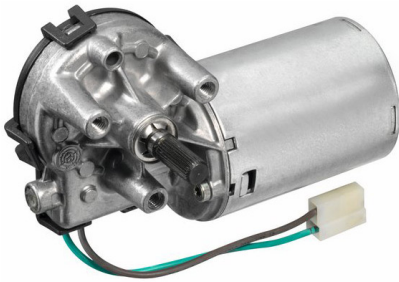
The graph shows the relationship between speed M (in min^{-1}) and three motor characteristics: power P_2 (in W), current I (in A), and torque n (in Nm). The speed axis ranges from 0 to 15 min^{-1} . The power axis ranges from 0 to 80 W . The current axis ranges from 0 to 30 A . The torque axis ranges from 0 to 15 Nm . The power curve P_2 is a downward-opening parabola starting at (0,0), peaking at approximately (9, 85), and ending at (17,0). The current curve I is a straight line starting at (0,0) and ending at (17,30). The torque curve n is a straight line starting at (0,15) and ending at (17,0). The supply voltage is $U_v = 24 \text{ V}$.

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CHP | 24V 16W

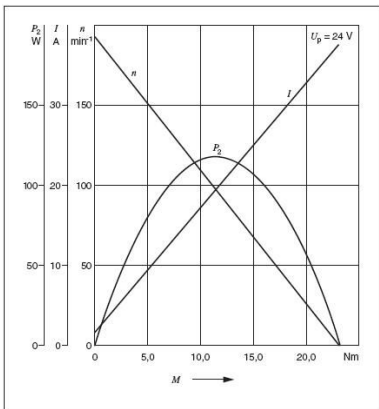


Technical data

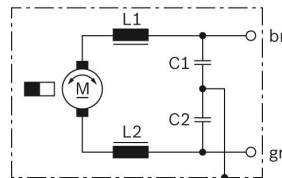
Part number	F 006 B20 103
Nominal voltage	U_N 24 V
Nominal power	P_N 36 W
Nominal current	I_N 5,8 A
Maximum current	I_{max} 31 A
Nominal speed	n_N 177 min ⁻¹
Nominal torque	M_N 1,9 Nm
Breakaway torque	M_A 19 Nm
Reduction	i 52 : 2
Direction of rotation	L/R
Type of duty	S 1
Degree of protection	IP 23
Weight	approx. 1,10 kg
Similar part number	0390257688

Clockwise (+) to green, (-) to brown
Anti-clockwise (+) to brown, (-) to green

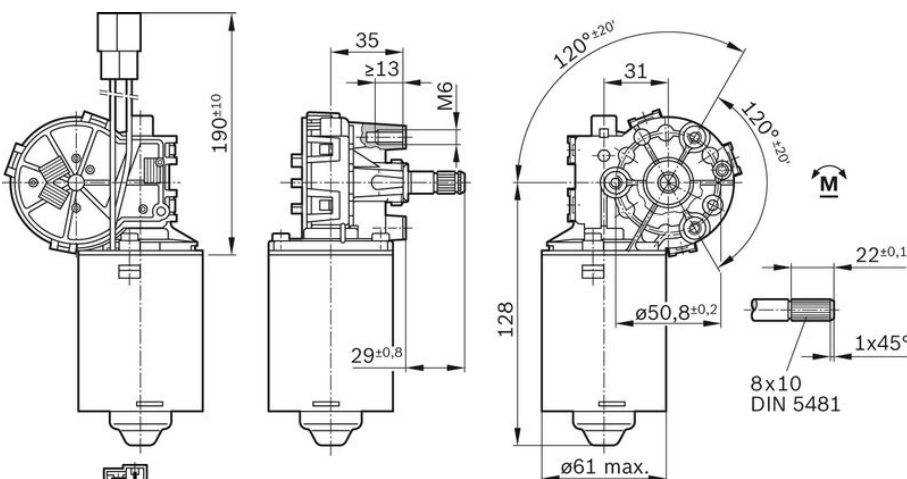
Characteristic curve



Connection diagram



Dimensional drawing



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