

# D.C. geared motors with brushes

→ 25 Nm 67 to 195 Watts

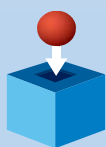
- Gearbox torque rating : 0.8 to 25 Nm.
- Associated DC motors : 15 to 90 watts.
- DC planetary geared motors with brushes
- Speed range : 11 to 454 rpm.



## Specifications

			67 Watts	195 Watts
Type			80 839 4	80 899 5
Voltages			12 V or 24 V	24 V
Number of stages	Speed (rpm)	Ratios		
1	410	6.75	●	
	474	6.75		●
2	110	25.0	●	
	128	25.0		●
	62	46	●	
3	70	46		●
	30	93	●	
	34	93		●
	18	169	●	
	19	169		●
	11	308	●	
	11	308		●
General characteristics				
Motor			82 830 5	82 890 0
Gearbox			81 049 4	82 849 5
Max. torque Nm			2 (1 stage) 5 (2 stages) 10 (3 stages)	4 (1 stage) 12 (2 stages) 25 (3 stages)
Efficiency (%)			0.75 (1 stage) 0.7 (2 stages) 0.65 (3 stages)	0.8 (1 stage) 0.75 (2 stages) 0.7 (3 stages)
Radial load (dynamic) daN			20 (1 stage) 32 (2 stages) 45 (3 stages)	20 (1 stage) 32 (2 stages) 45 (3 stages)
Axial load dynamic (daN)			6 (1 stage) 10 (2 stages) 15 (3 stages)	6 (1 stage) 10 (2 stages) 15 (3 stages)
Output ball bearing			Yes	Yes
Sintered bronze output bearing			No	No

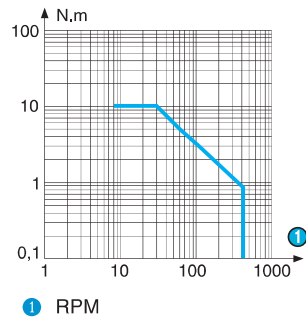
## Product adaptations



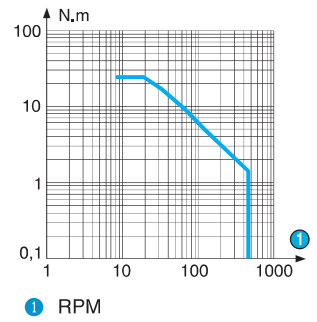
- Special supply voltages
- Special cable lengths
- Optional encoder
- Special connectors
- Special output shafts
- Special gearbox ratios
- Special gear wheel material
- Special output bearings
- Special mounting plate

## Curves

80 839 4

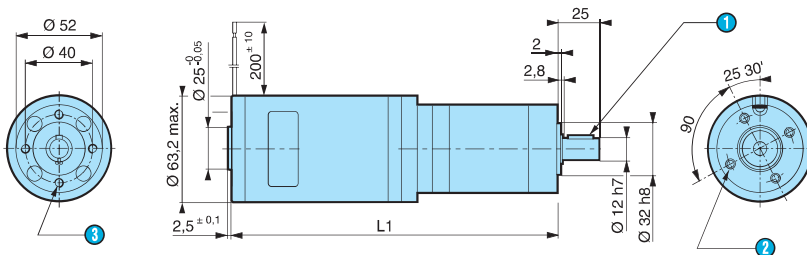


80 899 5



## Dimensions

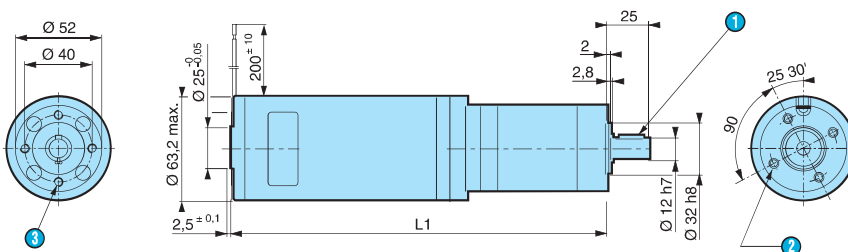
80 839 4



- ① Key 4 x 4 x 16
- ② 4 M5 x 0.86 h depth 7 on Ø 40
- ③ 4 M5 x 10

L1 1 stage : 159 mm  
 L1 2 stages : 173 mm  
 L1 3 stages : 187 mm

80 899 5



- ① Key 4 x 4 x 16
- ② 4 M5 x 0.86 h depth 7 on Ø 40
- ③ 4 M5 x 10

L1 1 stage : 184 mm  
 L1 2 stages : 198 mm  
 L1 3 stages : 212 mm