

Planetary Gearbox UGY

Dimensions (mm)	Ø 20* x 12,7 ... 27,7
Max. torque (cNm)	30 (higher torque on request)
Ratios	4,4 ... 370 (3,8 ... 850 on request)
Standard shaft (mm)	Ø 4 with flat (others on request)
Motor combination	Stepper/Synchronous motor UA ; DC motor NF213G Other motors on requests
	* at connection ribs larger



Standard Data

Mounting	any position
Axial thrust FA	5 N
Lateral force FR	10 N (higher force on request)
Climatic class	wide spread according to DIN IEC 60721-2-1
Ambient temperature operation	°C -10 ... +55
Ambient temperature storage	°C -20 ... +80
Weight	50 ...70 g (with DC motor NF213G)
Bearing	sintered bronze, self-lubricating (ball bearing on request)

Order Reference

Example motor combination: with DC motor NF

Motor type	JP	DC Motor (brushed)	JP	2	C	N	M4	Y	04A	N	E	N
Motor size	2	diameter 24.2 mm										
Motor version	C	24 V; no-load speed 5900 rpm										
Approval	N	standard										
Voltage	M4	24 Vdc										
Gearbox size	Y	planetary gearbox diameter 20 mm										
Gear ratio	04A	4,4 (1 stage)										
Connection	N	standard										
	A	special										
Bearing/ Gear material	E	sintered bearing / plastics gear wheels										
Shaft end	N	standard shaft Ø 4 with flat										

All specifications are representative only and maybe subject to variation. For confirmation of values, please contact Johnson Electric.
Please also read "Saia Motors Important Notes" on catalog or at www.johnsonelectric.com/SaiaMotorsNotes

Technical Data

Technical data of bare gearbox. Data of complete gearmotors on request

Stages	1	2	3	4
Ratios *	4,4	19,2	85	370
Max.torque **	10	20	30	30
Short peak torque **	15	30	45	45
Gear efficiency **	0,85	0,75	0,65	0,55

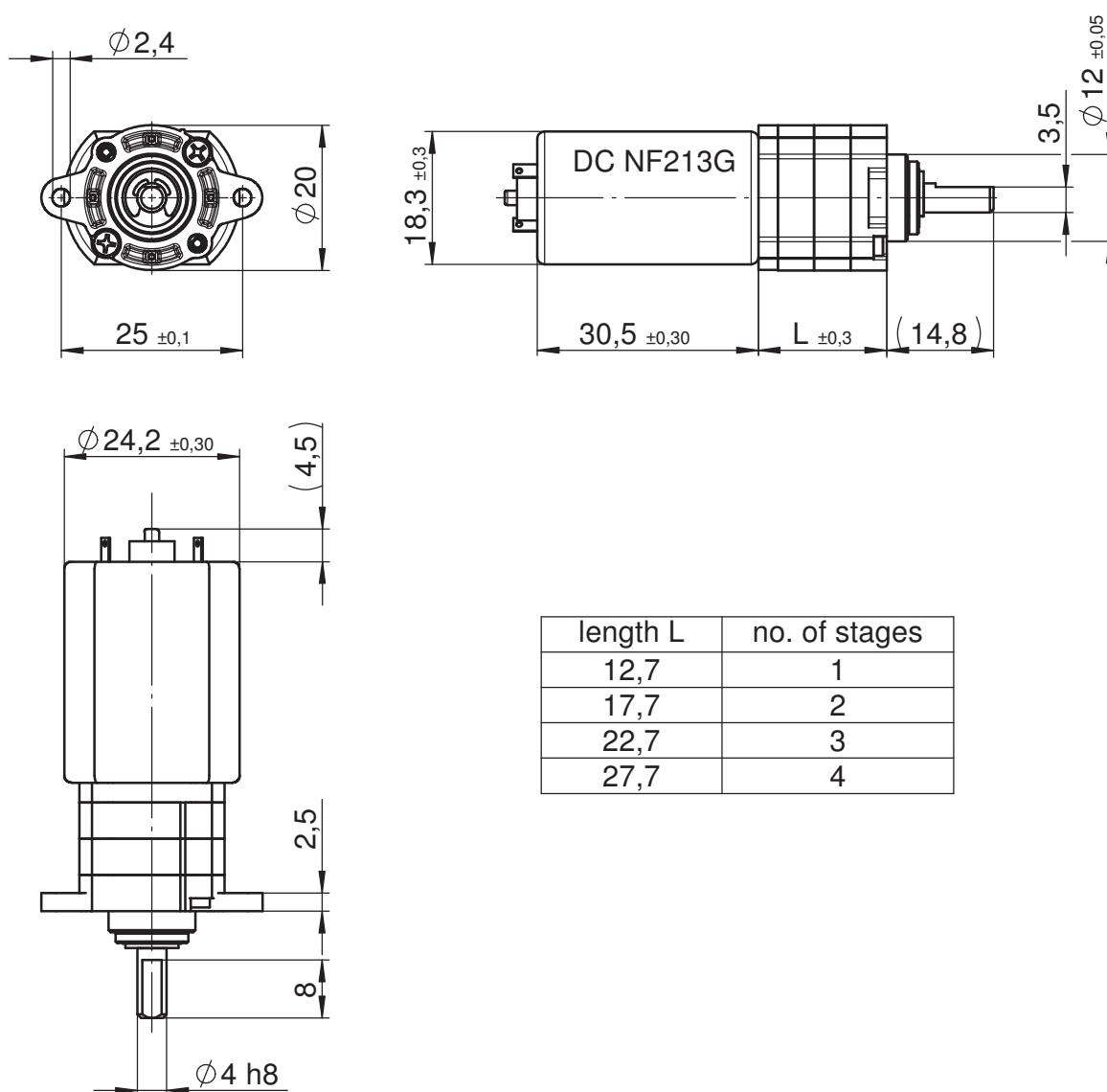
* Approximate values, precise values on request.

Other ratios between 3,8 ...850 on request.

** Approximate values, must be tested under specific operating conditions in application.
Higher values on request.

Dimensions

Example motor combination: with DC motor NF213G; standard shaft



length L	no. of stages
12,7	1
17,7	2
22,7	3
27,7	4