



all dimensions in mm

Part number key

Modular	#####
Standard	#####
Calculated data	#####

Note: Planetary gearboxes are only available as part of a motor-gearbox combination and cannot be purchased as a gearbox-only unit. Please contact your local sales engineer to discuss your combination options

Technical data

1 Part number		-	-	-	-	-	-	-	-	-
2 Gear ratio ¹	:1	3.9	5.3	6.6	16	21	26	28	35	44
3 Stages		1	1	1	2	2	2	2	2	2
4 Max. continuous torque (S1) ²	Nm	10.0	10.0	10.0	30.0	30.0	30.0	30.0	30.0	30.0
5 Max. intermittent torque	Nm	12.5	12.5	12.5	37.5	37.5	37.5	37.5	37.5	37.5
6 Efficiency	%	95	95	95	92	92	92	92	92	92
7 Backlash	arc.min	30	30	30	30	30	30	30	30	30
8 Max. axial load (dynamic)	N	825	825	825	825	825	825	825	825	825
9 Max. radial load, 10 mm from flange	N	1000	1000	1000	1000	1000	1000	1000	1000	1000
10 Weight	Kg	1.11	1.11	1.11	1.45	1.45	1.45	1.45	1.45	1.45
11 Gear material		Steel								
12 Max. continuous input speed	rpm	4000	4000	4000	4000	4000	4000	4000	4000	4000
13 Max. intermittent input speed	rpm	6000	6000	6000	6000	6000	6000	6000	6000	6000
14 Ambient temperature	°C	-20...100	-20...100	-20...100	-20...100	-20...100	-20...100	-20...100	-20...100	-20...100
15 Max. transmissible power	W	850	850	850	850	850	850	850	850	850
16 Length	mm	58.0	58.0	58.0	79.9	79.9	79.9	79.9	79.9	79.9

² S1 duty cycle based on 3000 RPM input speed

Modular system

BLDC	+L mm	PMDC	+L mm
PBL70-70	114.0	BRx70-40	125.0
PBL70-80	124.0	BRx70-60	146.0
PBL86-55	111.0	BRx90-50	153.0
PBL86-80	136.0	BRx90-75	183.0

Key

Standard combination

Modular combination

+L mm = approximate added length*

*additional length may also be required for mounting flange between components