



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

<sup>1</sup>Other ratios available on request (:1): 6.6, 21, 26, 35, 103

**Technical data**

1 Part number		-	-	-	-	-	-	-	-	-	-
2 Gear ratio <sup>1</sup>	:1	3.9	5.3	16	28	44	62	83	111	138	172
3 Stages		1	1	2	2	2	3	3	3	3	3
4 Max. continuous torque (S1) <sup>2</sup>	<b>Nm</b>	5.0	5.0	15.0	15.0	15.0	30.0	30.0	30.0	30.0	30.0
5 Max. intermittent torque	<b>Nm</b>	7.0	7.0	23.0	23.0	23.0	45.0	45.0	45.0	45.0	45.0
6 Efficiency	<b>%</b>	95	95	92	92	92	89	89	89	89	89
7 Backlash	<b>arc.min</b>	30	30	36	36	36	48	48	48	48	48
8 Max. axial load (dynamic)	<b>N</b>	200	200	200	200	200	200	200	200	200	200
9 Max. radial load, 10 mm from flange	<b>N</b>	420	420	630	630	630	900	900	900	900	900
10 Weight	<b>Kg</b>	0.69	0.69	0.86	0.86	0.86	1.08	1.08	1.08	1.08	1.08
11 Gear material		Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel
12 Max. continuous input speed	<b>rpm</b>	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000
13 Max. intermittent input speed	<b>rpm</b>	7500	7500	7500	7500	7500	7500	7500	7500	7500	7500
14 Ambient temperature	<b>°C</b>	-40...100	-40...100	-40...100	-40...100	-40...100	-40...100	-40...100	-40...100	-40...100	-40...100
15 Max. transmissible power	<b>W</b>	400	400	200	200	200	100	100	100	100	100
16 Length	<b>mm</b>	50.4	50.4	67.5	67.5	67.5	84.4	84.4	84.4	84.4	84.4

<sup>2</sup> S1 duty cycle based on 3000 RPM input speed

**Modular system**

BLDC	+L mm	PMDC	+L mm
PBL60-50	90.0	BRx52-30	95.0
PBL60-70	110.0	BRx52-58	125.0
		BRx63-25	95.0
		BRx63-55	125.0

**Key**

Standard combination

**Modular combination**

+L mm = approximate added length\*

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