



### Part number key

Modular	#####
Standard	#####
Special	#####

<sup>1</sup> Additional ratios available on request (:1): 5, 57, 82, 114, 357, 552

### Technical data

1 Part number		52-4	52-13	52-19	52-46	52-67	52-98	52-161	52-288	52-494	52-684
2 Gear ratio <sup>1</sup>	:1	4	13	19	46	67	98	161	288	494	684
3 Stages		1	2	2	3	3	3	4	4	4	4
4 Max. continuous torque (S1) <sup>2</sup>	Nm	1.2	8.0	8.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
5 Max. intermittent torque	Nm	1.8	12.0	12.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
6 Efficiency	%	90	81	81	73	73	73	66	66	66	66
7 Backlash	arc.min	42	45	45	45	45	45	48	48	48	48
8 Max. axial load (dynamic)	N	60	100	100	150	150	150	150	150	150	150
9 Max. radial load, 12 mm from flange	N	200	320	320	450	450	450	450	450	450	450
10 Weight	kg	0.45	0.63	0.63	0.82	0.82	0.82	0.99	0.99	0.99	0.99
11 Gear material <sup>3</sup>		C/S	C/S	C/S	C/S	C/S	C/S	C/S	C/S	C/S	C/S
12 Length	mm	53.0	68.5	68.5	84.0	84.0	84.0	99.5	99.5	99.5	99.5

<sup>2</sup> S1 duty cycle based on 3000 RPM input speed <sup>3</sup> Gear material: C = Composite, S = Steel

### Modular system

PMDC motor	+L mm	AC motor	+L mm
BRx52-30	95	SD21	95
BRx52-58	125	SD41	107
PM7	84		
PM8	97		
PM9	110		

  

BLDC motor	+L mm
PBL42-30	61
PBL42-50	81

Diagram showing a motor connected to a PGH52 gearbox. The motor is represented by a cylinder with a shaft, and the gearbox is represented by a gear icon labeled PGH52.

+L mm = added length