



all dimensions in mm

Part number key

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

¹Other INT ratios available on request [final ratio] (:1): 5[9], 8[9], 7[20], 8[20], 16[20]

Technical data

1 Part number		-	-	-	-	-	-	-	-	-	-
2 Gear ratio - final	:1	9	9	9	20	20	20	20	20	20	20
3 Gear ratio - INT ¹	:1	4	7	10	5	12	20	27	36	44	60
4 Max. continuous torque (S1) ²	Nm	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
5 Max. intermittent torque	Nm	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
6 Efficiency	%	74	74	71	67	64	59	57	52	49	43
7 Backlash	arc.min	50-75	50-75	50-75	50-75	50-75	50-75	50-75	50-75	50-75	50-75
8 Max. axial load (dynamic)	N	196	196	196	196	196	196	196	196	196	196
9 Max. radial load, 12 mm from flange	N	353	353	353	353	353	353	353	353	353	353
10 Weight	Kg	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
11 Gear material		Composite									

² S1 duty cycle based on 3000 RPM input speed

Compatible products

BLDC	+L mm	PMDC	+L mm	AC	+L mm
PBL70-70	114	PM1	149	SD8	125
PBL70-80	124	PM2	162	SD11	144
		PM3	137	SD12	167
		PM4	149	SD13	152
		PM5	162	SD18	158
		PM6	175	SD28	144
		PM10	107	SD29	147
		PM11	126	SD38	128
		PM50	162	SD48	170
		PM60	193		

Compatible products key

Product name	Standard combination
Product name	Modular combination

+L mm = approximate added length*

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