

all dimensions in mm

Part number key

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

Technical data

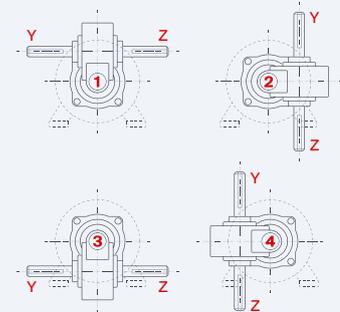
1 Part number		854060	853270	827936	827934	827943
2 Gear ratio	:1	20	40	80	120	160
3 Stages		2	2	2	2	2
4 Max. continuous torque (S1) ^{2,3}	Nm	120.0	120.0	120.0	120.0	120.0
5 Max. intermittent torque ³	Nm	300.0	300.0	300.0	300.0	300.0
6 Efficiency	%	81	76	70	65	60
7 Backlash	arc.min	35-65	35-65	35-65	35-65	35-65
8 Max. axial load (dynamic)	N	1750	1750	1750	1750	1750
9 Max. radial load, 12 mm from flange	N	2335	2335	2335	2335	2335
10 Weight	Kg	3.5	3.5	3.5	3.5	3.5
11 Gear material ²		S / B	S / B	S / B	S / B	S / B

² S1 duty cycle based on 3000 RPM input speed ³ Please refer to the thermal rating limits of the gearbox found on page 255

Modular system

BLDC	+L mm	PMDC	+L mm	Shaft extension
PBL86-55	111.0	BRx90-50	153.0	854742
PBL86-80	136.0	BRx90-75	183.0	

Gearbox output position



Key

Standard combination

Modular combination

+L mm = approximate added length*

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