

all dimensions in mm

**Part number key**

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

<sup>1</sup>Other ratios available on request (-1): 12.5, 25, 40, 75

Please note, additional ratios are only available with standard units and are not available as part of the modular range

**Technical data**

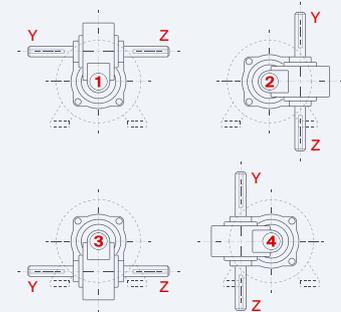
1 Part number		735894	735895	735896
2 Gear ratio <sup>1</sup>	:1	15	30	60
3 Stages		1	1	1
4 Max. continuous torque (S1) <sup>2,3</sup>	Nm	50.0	50.0	50.0
5 Max. intermittent torque <sup>3</sup>	Nm	80.0	80.0	80.0
6 Efficiency	%	85	75	65
7 Backlash	arc.min	10-25	10-25	10-25
8 Max. axial load (dynamic)	N	600	600	600
9 Max. radial load, 12 mm from flange	N	800	800	800
10 Weight	Kg	2.3	2.3	2.3
11 Gear material		Composite	Composite	Composite

<sup>2</sup> S1 duty cycle based on 3000 RPM input speed <sup>3</sup> 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	735898
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