



| Part number key | | | | | | | | | | | |
|--|----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Modular | ##### | | | | | | | | | | |
| Standard | ##### | | | | | | | | | | |
| Calculated data | ##### | | | | | | | | | | |
| Technical data | | | | | | | | | | | |
| 1 Part number | - | - | - | 735900 | - | - | - | 735901 | - | 735902 | - |
| 2 Gear ratio | :1 | 12.5 | 14 | 15 | 19 | 21 | 25 | 30 | 50 | 60 | 75 |
| 3 Stages | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 4 Max. continuous torque (S1) ² | Nm | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 27.0 |
| 5 Max. intermittent torque ³ | Nm | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 43.0 |
| 6 Efficiency | % | 80 | 75 | 75 | 73 | 73 | 72 | 65 | 55 | 50 | 45 |
| 7 Backlash | arc.min | 10-25 | 10-25 | 10-25 | 10-25 | 10-25 | 10-25 | 10-25 | 10-25 | 10-25 | 10-25 |
| 8 Max. axial load (dynamic) | N | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 |
| 9 Max. radial load, 12 mm from flange | N | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 |
| 10 Weight | Kg | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 11 Gear material | | Bronze |

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

| Compatible products | | | | | | | | | | | |
|---------------------|-------|----------|-------|---------------|-------|------|-------|---|--|--|--|
| BLDC | +L mm | PMDC | +L mm | PMDC | +L mm | AC | +L mm | Gearbox output position | | | |
| PBL60-50 | 90.0 | BRx63-25 | 95.0 | PM70-125 | 125.0 | SD13 | 152.0 | | | | |
| PBL60-70 | 110.0 | BRx63-55 | 125.0 | PM70-146 | 146.0 | SD18 | 158.0 | | | | |
| PBL70-70 | 114.0 | BRx70-40 | 125.0 | PM90-150 | 153.0 | SD48 | 170.0 | | | | |
| PBL70-80 | 124.0 | BRx70-60 | 146.0 | PM90-180 | 183.0 | | | | | | |
| PBL86-55 | 111.0 | BRx90-50 | 153.0 | EPM50-25 | 119.0 | | | Key Standard combination Modular combination | | | |
| PBL86-80 | 136.0 | BRx90-75 | 183.0 | EPM50-38 | 130.0 | | | | | | |
| | | PM1 | 149.0 | EPM50-50 | 145.0 | | | | | | |
| | | PM2 | 162.0 | EPM50-63 | 155.0 | | | | | | |
| | | PM3 | 137.0 | EPM63-50 | 150.0 | | | | | | |
| | | PM4 | 149.0 | EPM63-50 (V) | 163.0 | | | | | | |
| | | PM5 | 162.0 | EPM63-75 | 175.0 | | | | | | |
| | | PM6 | 175.0 | EPM63-75 (V) | 188.0 | | | | | | |
| | | PM50 | 162.0 | EPM63-100 | 200.0 | | | | | | |
| | | PM60 | 193.0 | EPM63-100 (V) | 213.0 | | | | | | |

(V) = ventilated

+L mm = approximate added length*

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