

Part number key

| | |
|-----------------|-------|
| Modular | ##### |
| Standard | ##### |
| Calculated data | ##### |

¹ Other worm ratios available on request [spur ratio] (-1): 9[6], 11[6], 13[6], 8[25], 9[25], 10[25], 7[56], 8[56], 9[56], 10[56], 8[115]

Technical data

| 1 Part number | - | - | - | - | - | - | - | - | - | - | - |
|--|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 2 Gear ratio - spur | :1 | 6 | 6 | 25 | 25 | 25 | 56 | 56 | 115 | 115 | 115 |
| 3 Gear ratio - worm ¹ | :1 | 8 | 16 | 6 | 12 | 13 | 6 | 12 | 7 | 16 | 30 |
| 4 Max. continuous torque (S1) ² | Nm | 45.0 | 45.0 | 62.0 | 62.0 | 62.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 5 Max. intermittent torque | Nm | 45.0 | 45.0 | 62.0 | 62.0 | 62.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 6 Efficiency | % | 68 | 68 | 68 | 64 | 64 | 68 | 65 | 68 | 64 | 55 |
| 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 | 226 | 226 | 226 | 226 | 226 | 226 | 226 | 226 | 226 | 226 |
| 9 Max. radial load, 12 mm from flange | N | 446 | 446 | 446 | 446 | 446 | 446 | 446 | 446 | 446 | 446 |
| 10 Weight | Kg | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| 11 Gear material | | Composite | Composite | Composite | Composite | Composite | Composite | Composite | Composite | Composite | Composite |

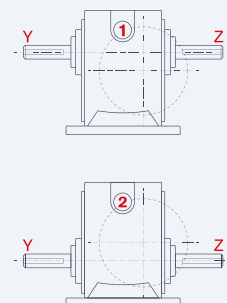
² S1 duty cycle based on 3000 RPM input speed

Compatible products

| BLDC | +L mm | PMDC | +L mm | AC | +L mm |
|----------|-------|------|-------|------|-------|
| PBL70-70 | 114 | PM1 | 149 | SD1 | 119 |
| PBL70-80 | 124 | PM2 | 162 | SD8 | 125 |
| | | PM3 | 137 | SD11 | 144 |
| | | PM4 | 149 | SD12 | 167 |
| | | PM5 | 162 | SD13 | 152 |
| | | PM6 | 175 | SD18 | 158 |
| | | PM50 | 162 | SD28 | 144 |
| | | PM60 | 193 | SD29 | 147 |
| | | | | SD38 | 128 |
| | | | | SD48 | 170 |

+L mm = approximate added length*

Gearbox output position



Compatible products key

| | |
|--------------|----------------------|
| Product name | Standard combination |
| Product name | Modular combination |

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