

## NXT-A-120 SERIES

Right-angle planetary gearbox

NXT-A-120-1-3

- 120mm diameter, high efficiency
- Very high torsional stiffness
- Low std backlash with tighter tolerance option
- Nominal torque up to 110Nm
- Ratios 3:1 to 100:1



### PRODUCT DESCRIPTION

NXT A series range offers right-angle planetary gearboxes in 3 sizes with high torsional rigidity and standard keyway output shaft.

- Gear ratios from 3:1 (single stage) to 100:1 (two stage)
- Nominal torque handling from 16.5-110Nm
- Torsional rigidity between 2.8-22Nm/arcmin

Two backlash tolerances are available in each configuration depending on application requirements.

NXT range also includes in-line and toothed pulley-drive output options, IP65 is standard.

### TECHNICAL DATA

|                               |                        |
|-------------------------------|------------------------|
| <b>Axial load max</b>         | 3800 N                 |
| <b>Efficiency</b>             | 94 %                   |
| <b>Emergency brake torque</b> | 200 Nm                 |
| <b>Input speed</b>            | 2000 rpm               |
| <b>IP class</b>               | IP65                   |
| <b>Max backlash</b>           | 8 arcmin               |
| <b>Max radial load</b>        | 4500 N                 |
| <b>Max. input speed</b>       | 3400 rpm               |
| <b>Moment of inertia</b>      | 3.77 kgcm <sup>2</sup> |
| <b>Noise level</b>            | 76 dB                  |
| <b>Nominal torque</b>         | 48 Nm                  |
| <b>Reduction ratio</b>        | 3                      |
| <b>Starting torque</b>        | 95 Nm                  |
| <b>Stiffness</b>              | 14 Nm/arcmin           |

**Weight**

9,5 kg