

## Datasheet

alpha Value Line

NP 045 STANDARD



| Gearbox characteristics          |                          |
|----------------------------------|--------------------------|
| Designation: NP045S-MF1-5-1K1-1S |                          |
| Product type                     | NP                       |
| Size                             | 045                      |
| Characteristic                   | Standard                 |
| Gearbox model                    | STANDARD                 |
| Stages                           | 1                        |
| Ratio                            | 5                        |
| Output shape                     | Shaft with key           |
| Clamping hub diameter            | 38 mm                    |
| Max. backlash                    | Standard $\leq 8$ arcmin |
| Gearbox material number          | 10032854                 |

| Motor mounting parts          |          |
|-------------------------------|----------|
| Adapter plate material number | 10032948 |

| Performance data                   |                                   |
|------------------------------------|-----------------------------------|
| Max. torque $T_{2\alpha}$          | 800 Nm                            |
| Emergency stop torque              | 1,000 Nm                          |
| Max. input speed                   | 4,000 min <sup>-1</sup>           |
| Permitted average input speed      | 2,000 min <sup>-1</sup>           |
| Max. tilting moment                | 660 Nm                            |
| Max. axial force                   | 6,000 N                           |
| Max. lateral force                 | 8,000 N                           |
| Moment of inertia                  | 8.8 kgcm <sup>2</sup>             |
| Weight                             | 18.9 kg                           |
| Lubrication                        | Lubricated for life               |
| Max. permitted housing temperature | 90 °C                             |
| Protection class                   | IP 64                             |
| Operating noise                    | 71 dB(A)                          |
| Paint                              | Dark pearl gray / innovation blue |