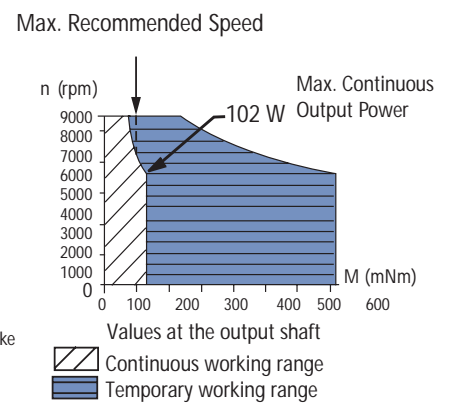


| Winding Type | • • • | 426P | 426SP |
|-----------------------------------|------------------------------------|------------|------------|
| Measured Values | | | |
| Measuring voltage | V | 18 | 32 |
| No-load speed | rpm | 6700 | 5900 |
| Stall torque | mNm (oz-in) | 538 (76) | 756 (107) |
| Average No-load current | mA | 141 | 80 |
| Typical starting voltage | V | -- | -- |
| Max. Recommended Values | | | |
| Max. continuous current | A | 3.7 | 2.3 |
| Max. continuous torque | mNm (oz-in) | 90 (12.7) | 115 (16.3) |
| Max. angular acceleration | 10 ³ rad/s ² | 90 (12.7) | 12.5 |
| Intrinsic Parameters | | | |
| Back-EMF constant | V/1000 rpm | 2.65 | 5.40 |
| Torque constant | mNm/A (oz-in/A) | 25.4 (3.6) | 52 (7.3) |
| Terminal resistance | ohm | 0.85 | 2.20 |
| Motor regulation R/k ² | 10 ³ /Nms | 1.3 | 0.83 |
| Rotor inductance | mH | 0.1 | 0.40 |
| Rotor inertia | kgm ² 10 ⁻⁷ | 71.4 | 71.4 |
| Mechanical time constant | ms | 9 | 6 |

| | | Executions | | |
|---------|------|--------------|--------|------|
| | | Single Shaft | For E9 | HEDS |
| Gearbox | Page | 35NT2R82 | | |
| R32 | 109 | 1 | 50 | 35 |
| R40 | 114 | 1 | 50 | 35 |

- Thermal resistance: rotor-body 4 °C/W body-ambient 8 °C/W
- Thermal time constant - rotor / stator: 40s / 920 s
- Max. rated coil temperature: 155°C
- Recom. ambient temperature range: -55°C to +125°C (-31°F to +257°F)
- Max. axial static force for press-fit : 100 N shaft supported: 1000N
- End play: negligible
- Radial play: negligible
- Shaft runout: ≤10 µm
- Max. side load at 5 mm from mounting face - ball bearings 35 N
- Motor fitted with ball bearings
- For filter add 'F' to designation before coil.
- On request available with HP encoder and brake



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