



## Kollmorgen - XSM Centurion Servo Motors

### XSM100-37-504-S-2AA



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The **XSM100-37-504-S-2AA** is a part of the **XSM Centurion Servo Motors Series** by Kollmorgen.

### Specifications

|                                             |                   |                                                    |                    |                                |                                                           |
|---------------------------------------------|-------------------|----------------------------------------------------|--------------------|--------------------------------|-----------------------------------------------------------|
| <b>Axial Load At 2000 Rpm:</b>              | 27 (59) kg (lb)   | <b>Axial Load At 3500 Rpm:</b>                     | 21 (47) kg (lb)    | <b>Axial Load At 5000 Rpm:</b> | 18 (40) kg (lb)                                           |
| <b>Continuous Torque:</b>                   | 4.2 Nm (37 lb-in) | <b>Ke (back Emf Constant):</b>                     | 96 Volts/kRPM      | <b>Kt (torque Constant):</b>   | 0.79 Nm/Amp                                               |
| <b>Operating Speed (1000 Rpm):</b>          | 36 (80) kg (lb)   | <b>Peak Torque:</b>                                | 11.1 Nm (98 lb-in) | <b>Rotor Inertia:</b>          | 0.00011 kg-m <sup>2</sup> (0.00097 lb-in-s <sup>2</sup> ) |
| <b>Thread Type:</b>                         | M5 × 0.8 mm       | <b>Voltage Class:</b>                              | 460 Volt           | <b>Weight:</b>                 | 4.6 kg (10.0 lb)                                          |
| <b>Winding Inductance (phase To Phase):</b> | 28 mH             | <b>Winding Resistance (phase To Phase @ 25°C):</b> | 4.61 ?             | <b>Last Verified:</b>          | 09/04/2025 9:51 PM                                        |

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### Shipping Options



### Payment Methods



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