

product_name



Medium Inertia Servo Motor

- Flange Size: 110mm
- Rated Power: 1.05KW up to 1.88KW
- Speed: 2000rpm/3000rpm
- 8 ?????
- 2500ppr incremental encoder, 5-6 Nm

Rating: Not Rated Yet

Price

Sales price without tax 623,00 €

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Manufacturer [ELCON | Systems & Components](#)

| Description | Motor Series Model | Medium Inertia, Flange Size 110mm | | | | | |
|--|--------------------|-----------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| | | SMH110D-0125- | SMH110D-0126- | SMH110D-0105- | SMH110D-0157- | SMH110D-0126- | SMH110D-0188- |
| Compatible Driver | | 30AAK-4LKX CD430-0125- | 30AAK-4HKX CD620-0126- | 20AAK-4LKX CD430-0105- | 30AAK-4HKX CD620-0157- | 20AAK-4LKX CD430-0126- | 30AAK-4HKX CD620-0188- |
| DC Link Voltage | | 0065-AA-000 300 | 0043-AA-000 560 | 0054-AA-000 300 | 0054-AA-000 560 | 0062-AA-000 300 | 0062-AA-000 560 |
| UDC Rated Power | | 1250 | 1260 | 1050 | 1570 | 1260 | 1880 |
| PN(W) Rated Torque TN(Nm) Rated | | 4 | 4 | 5 | | 6 | |
| Speed nN(Rpm) Rated Current IN (A) | | 3000 | 3000 | 2000 | 3000 | 2000 | 3000 |
| Maximum Torque | | 12 | 12 | 15 | | 18 | |

| | | | | |
|--|-------|-------|---|-------|
| Tm (Nm) | | | | |
| Maximum Current | 19.5 | 12.9 | 17.7 | 18.6 |
| Im (A) | | | | |
| Standstill Torque | 4.4 | 4.4 | 5.5 | 6.6 |
| TS (Nm) | | | | |
| Standstill Current | 6.82 | 4.73 | 6.49 | 6.765 |
| IS (A) | | | | |
| Resistance | 0.8 | 1.83 | 1.03 | 1.258 |
| Line-Line RL (?) | | | | |
| Inductance | 6.4 | 13.5 | 7.8 | 9.62 |
| Line-Line LL (mH) | | | | |
| Electrical Time Constant | 7.9 | 7.37 | 7.57 | 7.64 |
| ?e (ms) | | | | |
| Mechanical Time Constant | 1.4 | 1.63 | 1.55 | 1.65 |
| ?m (ms) | | | | |
| Reverse Voltage Constant Ke(V/krpm) | 45 | 64 | 55 | 64 |
| Torque Constant | 0.744 | 1.058 | 0.91 | 1.058 |
| Kt (Nm/A) | | | | |
| Rotor Moment of Inertia Jm(Kg-cm²) | 5.8 | 5.8 | 7.2 | 8.5 |
| Pole Pair Number | 4 | 4 | 4 | 4 |
| Maximum Voltage Rising du/dt(KV/?s) | 8 | 8 | 8 | 8 |
| Insulation Class | F | F | F | F |
| Maximum Radial Force | 630 | 630 | 630 | 630 |
| F (N) | | | | |
| Maximum Axial Force | 315 | 315 | 315 | 315 |
| F (N) | | | | |
| Weight | 6.2 | 6.2 | 7.2 | 8.2 |
| G(Kg) | | | | |
| Length of Motor | 168 | 168 | 185 | 202 |
| L(mm) | | | | |
| Position Feedback | | | Incremental Encoder 2500ppr | |
| Device | | | | |
| Cooling Method | | | Totally Enclosed, Non-Ventilated | |
| Protection Level | | | IP65 for Body, Shaft Sealing IP54 | |
| Temperature | | | -20?~40? | |
| Humidity | | | Below 90% RH (No Condensing) | |
| Ambient Environment | | | Away from Active Gas, Combustible Gas, Oil Drops and Dust | |
| Altitude | | | Maximum Altitude 4000m, Rated Power at 1000m or Below, Above 1000m: Decreasing 1.5% Per 100m Rise | |

[Servo System](#)