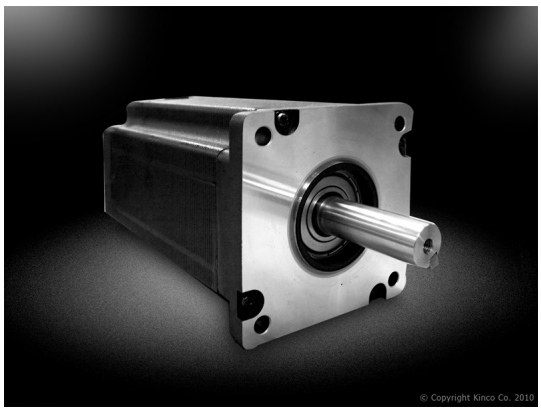
# SMH110D-0126-30AA






Medium Inertia Servo Motor

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

Rating: Not Rated Yet
**Price**
Sales price without tax 491,00 €

Ask a question about this product

ManufacturerELCON | Systems & Components

Description

| Motor Series | | | Medium Inertia, Flange Size 110mm | | | |
|---|---|---|---|---|---|---|
| **Model** | **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)** | 4 | 4 | 5 | | 6 | |
| **Rated Speed nN(Rpm)** | 3000 | 3000 | 2000 | 3000 | 2000 | 3000 |
| **Rated Current IN (A)** | 6.5 | 4.3 | 5.9 | | 6.2 | |
| **Maximum Torque** | 12 | 12 | 15 | | 18 | |

| | | | | |
|---|---|---|---|---|
| **Tm (Nm)**<br>**Maximum Current** | 19.5 | 12.9 | 17.7 | 18.6 |
| **Im (A)**<br>**Standstill Torque** | 4.4 | 4.4 | 5.5 | 6.6 |
| **TS (Nm)**<br>**Standstill Current** | 6.82 | 4.73 | 6.49 | 6.765 |
| **IS (A)**<br>**Resistance** | 0.8 | 1.83 | 1.03 | 1.258 |
| **Line-Line RL (?)**<br>**Inductance** | 6.4 | 13.5 | 7.8 | 9.62 |
| **Line-Line LL (mH)**<br>**Electrical Time Constant** | 7.9 | 7.37 | 7.57 | 7.64 |
| **?e (ms)**<br>**Mechanical Time Constant** | 1.4 | 1.63 | 1.55 | 1.65 |
| **?m (ms)**<br>**Reverse Voltage Constant Ke(V/krpm)** | 45 | 64 | 55 | 64 |
| **Torque Constant** | 0.744 | 1.058 | 0.91 | 1.058 |
| **Kt (Nm/A)**<br>**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)**<br>**Maximum Axial Force** | 315 | 315 | 315 | 315 |
| **F (N)**<br>**Weight** | 6.2 | 6.2 | 7.2 | 8.2 |
| **G(Kg)**<br>**Length of Motor** | 168 | 168 | 185 | 202 |
| **L(mm)**<br>**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 Enviroment** | 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