



Figure similar

Article No. : 1FL6094-1AC61-2AG1

Client order no. :  
Order no. :  
Offer no. :  
Remarks :

Item no. :  
Consignment no. :  
Project :

| Engineering data     |                   |
|----------------------|-------------------|
| Rated speed          | 2,000 rpm         |
| Rated torque (100 K) | 23.90 Nm          |
| Rated current        | 12.6 A            |
| Rated power          | 5.00 kW / 6.80 hp |
| Max. speed           | 2,500 rpm         |
| Maximum torque       | 70.00 Nm          |
| Max. current         | 36.9 A            |
| Static torque        | 30.00 Nm          |
| Moment of inertia    | 90.800 kgcm²      |

| Physical constants |            |
|--------------------|------------|
| Torque constant    | 2.00 Nm/A  |
| Thermal class      | B (130 °C) |
| Net weight         | 24.40 kg   |

| Ambient conditions  |                                            |
|---------------------|--------------------------------------------|
| Ambient temperature |                                            |
| Operation           | 0 ... 40 °C                                |
| Relative humidity   |                                            |
| Max. operation      | 90 % RH maximum (no condensation at 30 °C) |

| Standards                 |         |
|---------------------------|---------|
| Compliance with standards | CE, EAC |

| Mechanical data          |                                            |
|--------------------------|--------------------------------------------|
| Motor type               | High Inertia                               |
| Motor type               | Permanent-magnet synchronous motor         |
| Shaft height             | 90                                         |
| Encoder system           | Incremental encoder TTL, 2500 S/R (13 bit) |
| Cooling                  | Natural cooling                            |
| Shaft end                | Plain shaft                                |
| Radial runout tolerance  | Class N                                    |
| Vibration severity grade | Grade A                                    |
| Degree of protection     | IP65                                       |
| Design acc. to Code I    | IM B5 (IM V1, IM V3)                       |
| Connection type          | Angular connector (rotatable)              |