

Article No. : 1FL2310-0AC01-1MB0

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

Item no. :  
Consignment no. :  
Project :



| Basic motor data        |                                                     |
|-------------------------|-----------------------------------------------------|
| Motor type              | Permanent-magnet synchronous motor, Natural cooling |
| Motor type              | High Inertia                                        |
| Static torque           | 12.60 Nm                                            |
| Static current          | 7.80 A                                              |
| Maximum torque          | 37.50 Nm                                            |
| Maximum current         | 25.20 A                                             |
| Maximum speed           | 3,000 rpm                                           |
| Rotor moment of inertia | 47.4090 kgcm²                                       |
| Weight                  | 15.40 kg                                            |

| Rated data                        |           |
|-----------------------------------|-----------|
| SINAMICS S200, 3 AC 380 ... 480 V |           |
| Rated speed                       | 2,000 rpm |
| Rated torque                      | 11.90 Nm  |
| Rated current                     | 7.80 A    |
| Rated power                       | 2.50 kW   |

| Encoder system |                                                       |
|----------------|-------------------------------------------------------|
| Encoder system | Absolute encoder 21-bit singleturn + 12-bit multiturn |

| Motor connection |                         |
|------------------|-------------------------|
| Connection type  | Metal angular connector |

| Mechanical data               |                                              |
|-------------------------------|----------------------------------------------|
| Design acc. to Code I         | IM B5 (IM V1, IM V3)                         |
| Vibration severity grade      | Grade A                                      |
| Shaft height                  | 90                                           |
| Flange size (AB)              | 180 mm                                       |
| Centering ring (N)            | 114.3 mm                                     |
| Hole circle (M)               | 200 mm                                       |
| Screw-on hole (S)             | 13.5 mm                                      |
| Overall length (LB)           | 189.5 mm                                     |
| Diameter of shaft (D)         | 35 mm                                        |
| Length of shaft (E)           | 80 mm                                        |
| Length of flange diagonal (P) | 228 mm                                       |
| Shaft end                     | Shaft with parallel key (half-key balancing) |
| Color of the housing          | Anthracite RAL 7016                          |

