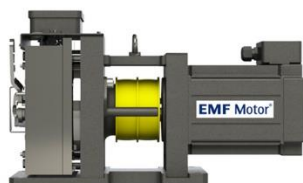


## The smallest homelift motor

EMF Motor presents the smallest and lightest lift motor of the world. Unique motor geometry creates highest torque density among the others and is giving an opportunity to create the smallest motor. The controllability at low speed provides very high comfort and quiet movement due to high pole technology.

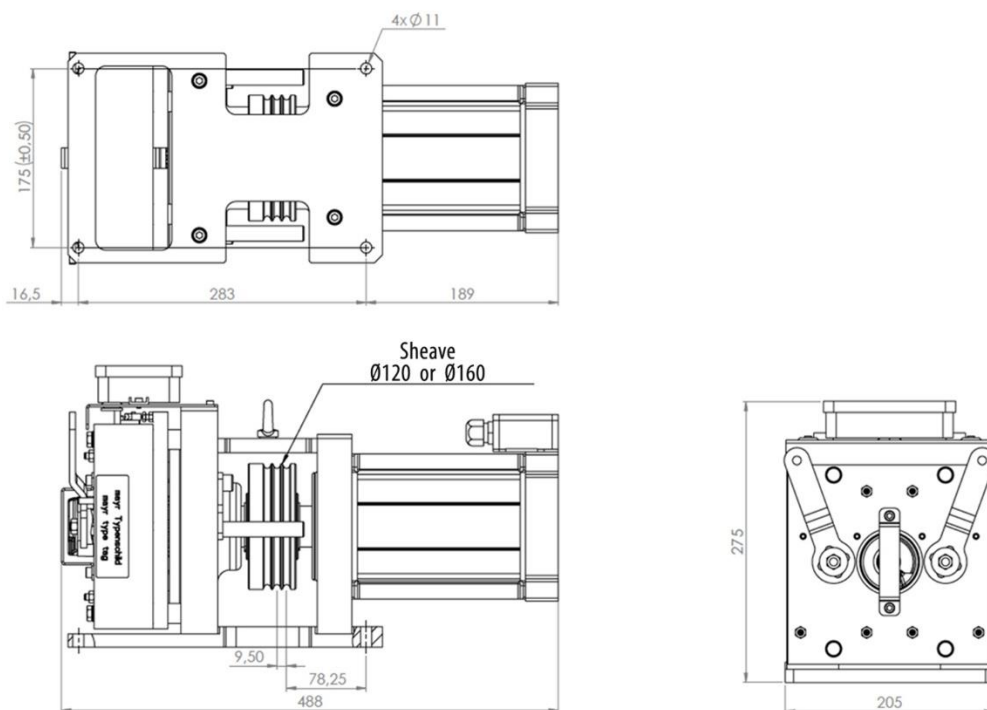
***Unbeatable performance and comfort even at 0,15 m/s cabin speed and 1:1 suspension by high poled design thanks to EMF Motor Principle!***



- Width: 205 mm - Weight: 65 kg
- Carrying capacity 600 kg
- Speed up to 0,5 m/s

- The smallest and lightest lift motor designed for MRL
- Special design for machine roomless lifts
- Plastic coated or steel core belt options
- Sheave diameter 120 mm and 160 mm for plastic coated and 100 mm for belt applications.
- Quiet operation
- 220 / 380 V selection on the terminal box
- Compliance with Lift Directives 2014/33/EU and EN81-20, EN81-50
- Brakes are certified according to 2014/33/EU and EN81-20, EN81-50

### Technical Data



EMF Motor reserves the right to amend dimensions, technical data and design specification without prior notification.

## SQML 73 Characteristics

| Suspension | Voltage | Motor Code | Load Capacity<br>kg | Travelling<br>Speed<br>m/s | Traction<br>Sheave<br>mm | Rope<br>Number<br>x Ø mm | Rated<br>Torque<br>Nm | Rated<br>Speed<br>rpm | Rated<br>Current<br>A | Rated<br>Power<br>kW |
|------------|---------|------------|---------------------|----------------------------|--------------------------|--------------------------|-----------------------|-----------------------|-----------------------|----------------------|
| 2:1        | 380 V   | SQML73-160 | 320                 | 0,15                       | 120                      | 3 x 6,5 *                | 58                    | 48                    | 1,5                   | 0,29                 |
|            |         | SQML73-160 | 320                 | 0,3                        | 120                      | 3 x 6,5 *                | 58                    | 95                    | 1,5                   | 0,58                 |
|            |         | SQML73-160 | 320                 | 0,5                        | 120                      | 3 x 6,5 *                | 58                    | 159                   | 2,5                   | 0,97                 |
|            |         | SQML73-160 | 400                 | 0,15                       | 120                      | 3 x 6,5 *                | 72                    | 48                    | 2,0                   | 0,36                 |
|            |         | SQML73-160 | 400                 | 0,3                        | 120                      | 3 x 6,5 *                | 72                    | 95                    | 2,0                   | 0,72                 |
|            |         | SQML73-160 | 400                 | 0,5                        | 120                      | 3 x 6,5 *                | 72                    | 159                   | 3,3                   | 1,20                 |
|            |         | SQML73-160 | 480                 | 0,15                       | 120                      | 3 x 6,5 *                | 86                    | 48                    | 2,6                   | 0,43                 |
|            |         | SQML73-160 | 480                 | 0,3                        | 120                      | 3 x 6,5 *                | 86                    | 95                    | 2,6                   | 0,86                 |
|            |         | SQML73-160 | 480                 | 0,5                        | 120                      | 3 x 6,5 *                | 86                    | 159                   | 4,3                   | 1,43                 |
|            |         | SQML73-160 | 600                 | 0,15                       | 120                      | 3 x 6,5 *                | 107                   | 48                    | 3,7                   | 0,54                 |
|            |         | SQML73-160 | 600                 | 0,3                        | 120                      | 3 x 6,5 *                | 107                   | 95                    | 3,7                   | 1,06                 |
|            |         | SQML73-160 | 600                 | 0,5                        | 120                      | 3 x 6,5 *                | 107                   | 159                   | 6,1                   | 1,78                 |
|            | 220 V   | SQML73-160 | 320                 | 0,15                       | 120                      | 3 x 6,5 *                | 58                    | 48                    | 2,6                   | 0,29                 |
|            |         | SQML73-160 | 320                 | 0,3                        | 120                      | 3 x 6,5 *                | 58                    | 95                    | 2,6                   | 0,58                 |
|            |         | SQML73-160 | 320                 | 0,5                        | 120                      | 3 x 6,5 *                | 58                    | 159                   | 4,3                   | 0,97                 |
|            |         | SQML73-160 | 400                 | 0,15                       | 120                      | 3 x 6,5 *                | 72                    | 48                    | 3,5                   | 0,36                 |
|            |         | SQML73-160 | 400                 | 0,3                        | 120                      | 3 x 6,5 *                | 72                    | 95                    | 3,5                   | 0,72                 |
|            |         | SQML73-160 | 400                 | 0,5                        | 120                      | 3 x 6,5 *                | 72                    | 159                   | 5,7                   | 1,20                 |
|            |         | SQML73-160 | 480                 | 0,15                       | 120                      | 3 x 6,5 *                | 86                    | 48                    | 4,5                   | 0,43                 |
|            |         | SQML73-160 | 480                 | 0,3                        | 120                      | 3 x 6,5 *                | 86                    | 95                    | 4,5                   | 0,86                 |
|            |         | SQML73-160 | 480                 | 0,5                        | 120                      | 3 x 6,5 *                | 86                    | 159                   | 7,4                   | 1,43                 |
|            |         | SQML73-160 | 600                 | 0,15                       | 120                      | 3 x 6,5 *                | 107                   | 48                    | 6,4                   | 0,54                 |
|            |         | SQML73-160 | 600                 | 0,3                        | 120                      | 3 x 6,5 *                | 107                   | 95                    | 6,4                   | 1,06                 |
|            |         | SQML73-160 | 600                 | 0,5                        | 120                      | 3 x 6,5 *                | 107                   | 159                   | 10,5                  | 1,78                 |
| 2:1        | 380 V   | SQML73-160 | 320                 | 0,6                        | 160                      | 5 x 6,5                  | 89                    | 143                   | 4,1                   | 1,33                 |
|            |         | SQML73-160 | 320                 | 1                          | 160                      | 5 x 6,5                  | 89                    | 239                   | 6,8                   | 2,23                 |
|            |         | SQML73-160 | 400                 | 0,6                        | 160                      | 6 x 6,5                  | 110                   | 143                   | 5,7                   | 1,65                 |
|            |         | SQML73-160 | 400                 | 1                          | 160                      | 6 x 6,5                  | 110                   | 239                   | 9,7                   | 2,75                 |
|            |         | SQML73-160 | 450                 | 0,6                        | 160                      | 7 x 6,5                  | 123                   | 143                   | 7,2                   | 1,84                 |
|            |         | SQML73-160 | 450                 | 1                          | 160                      | 7 x 6,5                  | 123                   | 239                   | 11,6                  | 3,08                 |
|            | 220 V   | SQML73-160 | 320                 | 0,6                        | 160                      | 5 x 6,5                  | 89                    | 143                   | 7,1                   | 1,33                 |
|            |         | SQML73-160 | 320                 | 1                          | 160                      | 5 x 6,5                  | 89                    | 239                   | 11,8                  | 2,23                 |
|            |         | SQML73-160 | 400                 | 0,6                        | 160                      | 6 x 6,5                  | 110                   | 143                   | 9,9                   | 1,65                 |
|            |         | SQML73-160 | 400                 | 1                          | 160                      | 6 x 6,5                  | 110                   | 239                   | 16,8                  | 2,75                 |
|            |         | SQML73-160 | 450                 | 0,6                        | 160                      | 7 x 6,5                  | 123                   | 143                   | 12,5                  | 1,84                 |
|            |         | SQML73-160 | 450                 | 1                          | 160                      | 7 x 6,5                  | 123                   | 239                   | 20,1                  | 3,08                 |

\* Plastic coated rope

- Shaft efficiency 85%
- Travel distance 15 m
- Duty cycle is S3 40%
- 240 start/hour
- Counterweight 50%
- Static Load: 1200 kg