# Single-phase asynchronous motors for circular discs

1. Application

The motors from this series are used for circular discs for mechanical treatment of timber and wooden sheets and plates.

2. Technical Data

| | |
|---|---|
| Degree of Protection | IP54 |
| Duty Cycle | S6 40% |
| Thermal class of insulation | F - 155°C |
| Supply voltage | 230±5%, 50Hz, D/Y |
| Parameters at rated output | P1=3.0kW/4.0hp; $n_N$=2700min$^{-1}$; $I_N$=14.0A; cosφ=0.95 |
| Starting performance | $I_S$=42A; $M_S$=4N.m; $M_{MAX}$=14N.m |

3. Construction

The motors are produced in cast iron.

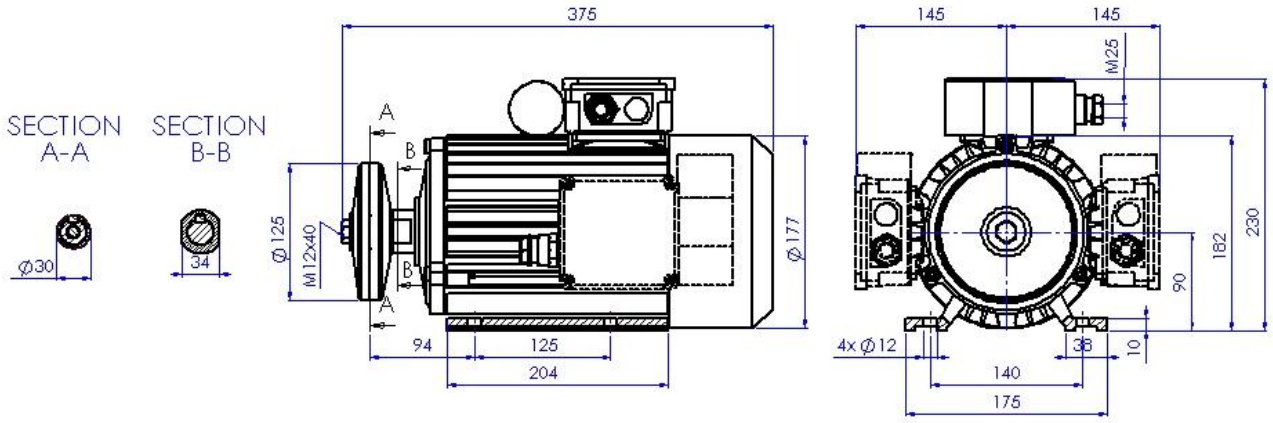
The motors are produced with an automatic thermo switch for 150°.

The terminal box can be rotated at 90°.

Type of motor:

| | |
|---|---|
| **AER90LX-2KS-62** | Terminal box in the back, on top, direction of rotation – left |
| **AER90LX-2KSL-61** | Terminal box in the back, left, direction of rotation – right |
| **AER90LX-2KSR-60** | Terminal box in the back, right, direction of rotation – left |

Overall and Joining Dimensions



# Single-phase asynchronous motors for circular discs

1. Application

The motors from this series are used for circular discs for mechanical treatment of timber and wooden sheets and plates.

2. Technical Data

| | |
|---|---|
| Degree of Protection | IP54 |
| Duty Cycle | S6 40% |
| Thermal Insulation Class | F - 155°C |
| Supply Voltage | 230±5%, 50Hz, D/Y |
| Parameters at rated output | P1=3.5kW/4.67hp; $n_N$=1400min$^{-1}$; $I_N$=15.5A; cosφ=0.98 |
| Starting performance | $I_S$=39A; $M_S$=7.0N.m; $M_{MAX}$=20.4N.m |

3. Construction

The motors are produced in cast iron.

The motors are produced with an automatic thermo switch for 150°.

The terminal box can be rotated at 90°.

Type of motor:
AER100L-4KSR-59 - Terminal box – in front, right; direction of rotation – left

## Overall and Joining Dimensions