Lifting Solutions Group
Axel Johnson International

# Electric winch TRBoxter BT 1-speed

**Product information**



**General:**
Electric winch for loads from 250 up to 1500 kg with low voltage control and 1 speed. Multifunctional electric winch offering many rope attachments, rope outlets and options. Robust and compact, it benefits of a high operating factor for all kind of applications such as for example: Industrial applications, Building and public works, Theatre applications, Integration into many types of devices, cranes, material lifts etc.

**Technical properties:**

- Welded steel drum.
- Aluminium casing.
- The low voltage control protects the user from electrical risks.
- Asynchronous, single phase motors (230 V – 50 Hz P=0.75 or 1.1 kW depending on the models)
- Threephase motors (400 V – 50 Hz P= 0.75 or 1.1 kW depending on the models).
- Reducer sealed in oil bath with helical gears.
- 24 V or 190 V direct current electromagnetic brake (depending on the models).
- Electrical equipment under sealed cover.
- Very low voltage, 24 V remote control with socket – IP 65 protection.

**Optional:**

- Limit switch
- Radio control
- Load limiter
- Lengthened drum models. Wirerope capacity will increase by 1.5 x standard capacity

... Read more

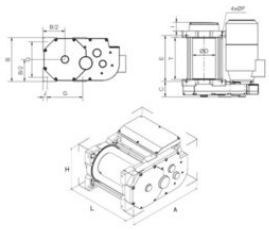
**Material:** Aluminum casing / Steel drum
**Marking:** According to standard, CE-mark
**Temperature range:** -10°C to +50°C.
**Standard:** EN 14492-1
**Warning:** If the winch is used for lifting of a load, a limit switch is mandatory!

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## Blueprint



## Technical data

| Part code | WLL ton | Lifting height m | Model | Rope Ø mm | Power | WLL top layer ton | Speed top layer m/min | Motor kW | Speed 1st layer m/min | FEM | Number of layers | A mm | B mm | C mm | D mm | E mm | F mm | L mm | G mm | H mm | I mm | J mm | M mm | N mm | T mm | Weight kg |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5406TRBOXTER253BT14 | 0.29 | 56 | TRBOXTER253BT14 | 5 | 3Ph-400V | 0.25 | 15.4 | 0.75 | 13.3 | 1Am | 3 | 451 | 243 | 79 | 121 | 255 | 10.5 | 451/451 | 197 | 284.5 | 68 | 23 | 121.5 | 121.5 | 230 | 49 |
| 5406TRBOXTER503BT21 | 0.6 | 42 | TRBOXTER503BT21 | 7 | 3Ph-400V | 0.5 | 24.2 | 2.2 | 20 | 1Bm | 3 | 554 | 304 | 107.5 | 159 | 318 | 12.5 | 496/518 | 246 | 332.5 | 62 | 29 | 152 | 152 | 290 | 59 |
| 5406TRBOXTER0603BT15 | 0.75 | 93 | TRBOXTER603BT15 | 7 | 3Ph-400V | 0.6 | 18.6 | 2.2 | 14.9 | 1Am | 4 | 554 | 304 | 107.5 | 159 | 318 | 12.5 | 496/518 | 246 | 332.5 | 62 | 29 | 152 | 152 | 290 | 100 |

| Type | Drum | Measurements (mm) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Model | type | A | B | C | Ø D | E | Ø F | G | H | J | K | L | M | N | T |
| TRBOXTER 250 to 500 kg | standard | 462 | 243 | 79 | 121 | 255 | 10.5 | 197 | 284.5 | 23 | 356 | 419.5 | 121.5 | 121.5 | 230 |
| | long | 462 | 243 | 79 | 121 | 370 | 10.5 | 197 | 284.5 | 23 | 471 | 534.5 | 121.5 | 121.5 | 345 |
| TRBOXTER 600 to 1500 kg | standard | 554 | 304 | 105.5 | 159 | 318 | 12.5 | 246 | 332.5 | 29 | 493.5 | 515.5 | 152 | 152 | 290 |
| | long | 554 | 304 | 105.5 | 159 | 461 | 12.5 | 246 | 332.5 | 29 | 493.5 | 656 | 152 | 152 | 435 |

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