# PRIMO FROM 300 TO 2000 KG ECONOMICAL RANGE

CE - EC REGULATIONS (2006/42/EC): Emergency stop is obligatory for all electric winches. When lifting, an electric winch or installation, must include in any case: a limit switch device, and from 1000 kg: a load limiter.

- A range of electric winches designed for simple lifting and pulling operations, subject to the same quality standards as the TRBoxter range.
- Intermediate operating factor.
- Boat hauling.
- Lifting doors, hatches, etc.
- Freight lifts.
- Swimming pool roofs.

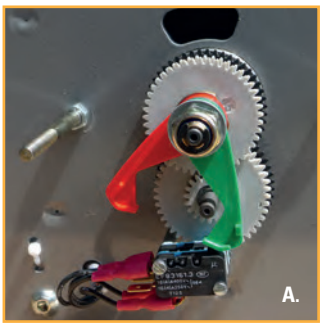
## Technical properties

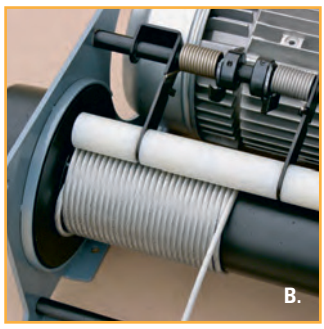
- Low voltage control, assuring user protection against electric risks.
- Steel rigid structure.
- Up-down pendant control with emergency stop, cable 3 m long.
- Single phase 230 V motor brake with permanent capacitor - 50 Hz lifting type, P = 0.75 or 1.1 kW depending on the models. Class F. IP 54 protection.
- Three-phase 230/400 V motor brake - 50 Hz lifting type, P = 0.75 – 1.1 or 2.2 kW depending on the models. Class F. IP 54 protection.
- Reducer in oil bath with helical gears.
- Mechanical welded steel drum with wide flanges allowing a secure fastening of the wire rope.
- Limit switch as standard.
- Rope-press roller and grooved drum as option.

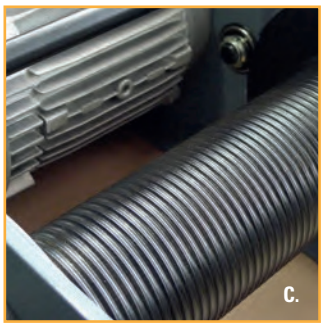
Primo 300 kg BT

Primo 2000 kg BT

## Strong points



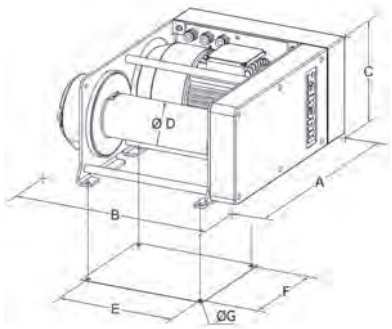



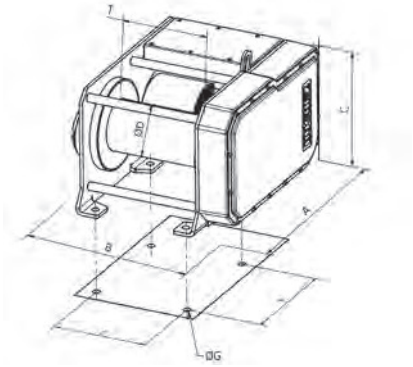

**A.** Limit switch as standard. Very easy to adjust and extremely reliable, made specially by HUCHEZ.

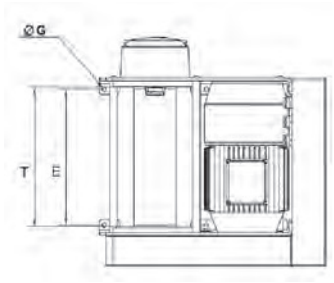
**B.** Optional rope-press roller.

**C.** Optional grooved drum.

## Dimensions



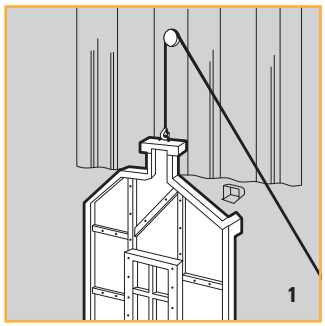

For ref. from 300 to 500 kg

For ref. from 990 to 2000 kg

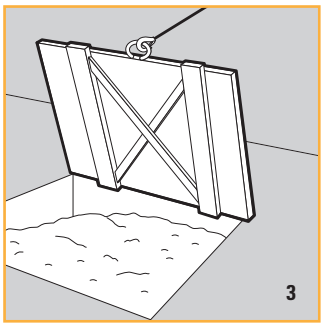
| Models | PRIMO BT 300 | PRIMO BT 500 | PRIMO BT 990 | PRIMO BT 2000 |
|---|---|---|---|---|
| **A mm** | 476 | 476 | 565 | 610 |
| **B mm** | 422 | 430 | 500 | 565 |
| **C mm** | 239 | 260 | 326 | 390 |
| **Ø D mm** | 89 | 95 | 133 | 152 |
| **E mm** | 250 | 250 | 260 | 292 |
| **F mm** | 214 (1) | 214 (1) | 280 | 350 |
| **Ø G mm** | 9 | 9 | 17 | 22 |
| **T mm** | 257 | 257 | 280 | 312 |

(1) 2 fixation holes are available at half length, i.e. 107mm.
The height C may vary from model to model depending on the type of motor terminal block available: the indicated height is the maximum value.

## Applications









**1.**Handling scenery.
**2.**Pulling concrete formwork on a construction site.
**3.**Lifting hatches.
**4.**Moving of the covers on a water treatment plant.

## Technical characteristics

| References | PRIMO 301 BT | PRIMO 303 BT | PRIMO 501 BT | PRIMO 503 BT | PRIMO 991 BT | PRIMO 993 BT | PRIMO 2003 BT |
|---|---|---|---|---|---|---|---|
| **Capacity 1st layer kg** | **360** | **360** | **630** | **630** | **1300** | **1300** | **2500** |
| Capacity top layer kg | 300 | 300 | 500 | 500 | 990 | 990 | 2000 |
| Nb of layers | 3 | 3 | 3 | 3 | 4 | 4 | 3 |
| Wire rope cap. 1st layer m* | 13 | 13 | 10 | 10 | 13 | 13 | 12 |
| Wire rope cap. top layer m* | 48 | 48 | 38 | 38 | 68 | 68 | 45 |
| Wire rope Ø mm | 5 | 5 | 7 | 7 | 8 | 8 | 11.5 |
| Speed 1st layer m/mn | 7.5 | 7.5 | 8.6 | 8.6 | 4 | 4 | 4 |
| Speed top layer. m/mn | 9.1 | 9.1 | 11 | 11 | 5.2 | 5.2 | 5.2 |
| FEM | 1Bm | 1Bm | 1 Cm | 1 Cm | 1Bm | 1Bm | 1 Cm |
| Motor kW | 0.75 | 0.75 | 1.1 | 1.1 | 1.1 | 1.1 | 2.2 |
| Power | 1 Ph - 230 V | 3 Ph - 230/400 V | 1 Ph - 230 V | 3 Ph - 230/400 V | 1 Ph - 230 V | 3 Ph - 230/400 V | 3 Ph - 230/400 V |
| Weight (without wire rope) kg | 35 | 35 | 40 | 40 | 88 | 90 | 160 |

The indicated rope diameter corresponds to the capacity on the top layer with a safety coefficient equal to (about) 5 when lifting with non-rotating rope.
* Rope and hook extra (see p.88 to 91).