

## BH electric belt Hoist



### Product information

#### General:

Electric belt hoist for loads from 500 up to 5,000 kg.

Attuned to the needs of its customers, VERLINDE has designed this belt hoist for customised applications in a wide variety of sectors such as the food industry, chemicals, the precision industries and, indeed, any environment where hygiene and safety are of utmost importance to quality production.

Also versions available with stainless steel and galvanised elements for applications in environments with a high level of relative humidity and an EX spark proof and/or explosion proof version (ATEX standard).

#### Standard equipped with:

- Electric motorized trolley. variable traveling speed (5 - 20 m/min).
- Hoisting belt: high strength belt with high safety factors, easy and quick to replace, thanks to its design.
- Two mechanically variable hoisting speeds.
- Belt guide: enhanced safety features against side pulling and twisting effects during lifting movement.
- Hoisting and control features complying with IEC 34.1/IEC 34.2, IP 55 protection and class insulation standard.
- Totally enclosed, high precision, silent and sealed reduction gear.
- Adjustable upper and lower limit switches.
- Travelling limit switches.
- Load limiter, safety feature protecting against excessive overloading of the pulley and runway path (mandatory, to comply with the "MACHINES" Directive).
- Very low "C" dimensions and hook "approaches".
- True vertical lift (vertical movement of hook block when hoisting).
- Push button control (standard length = lifting height - 0.5m)

#### Optional:

- Non standard beam section width.
- Fixed point (when horizontal travelling not needed)
- Push trolley / Chain trolley \*
- Motorized trolley with 2 travelling speeds.
- Time counter.
- EUROMOTE type infrared or radio remote-control.
- Travelling movement limit switch.
- Tropicalised travelling movement and lifting motors.
- Trolley mounted on bogies.
- Special power supply voltage.
- Load limiter with 2 or 3 steps.
- Total anti-corrosion protection\*.

- Stainless steel hook and hook block\*\*.
- Covering roof for protection against rain.
- Horn controlled from push button box.
- Explosion-proof hoist.

\* Except BH5 models.

\*\* Up to 2.5 T only. 3.2 T and 5 T stainless steel hook block, painted hook.

**Marking:** CE-marked

| Code       | WLL  | Lifting height<br>m | Lifting speed<br>m/min. | Number of falls | Duty Class FEM | C,      |
|------------|------|---------------------|-------------------------|-----------------|----------------|---------|
| BH202R3-ET | 0.5  | 9                   | 20 / 3.3                | 2               | 1Bm            | 390     |
| BH203R5-ET | 0.5  | 6                   | 13 / 2                  | 3               | 2m             | 435     |
| BH202L5-ET | 0.63 | 9                   | 10 / 1.6                | 2               | 2m             | 390     |
| BH203R4-ET | 0.63 | 6                   | 13 / 2                  | 3               | 1Am            | 435     |
| BH202L4-ET | 0.8  | 9                   | 10 / 1.6                | 2               | 1Am            | 390     |
| BH203R3-ET | 0.8  | 6                   | 13 / 2                  | 3               | 1Bm            | 435     |
| BH202L3-ET | 1    | 9                   | 10 / 1.6                | 2               | 1Bm            | 390     |
| BH203L5-ET | 1    | 6                   | 6.5 / 1                 | 3               | 2m             | 435     |
| BH203L4-ET | 1.25 | 6                   | 6.5 / 1                 | 3               | 1Am            | 435     |
| BH204L5-ET | 1.25 | 4.5                 | 5 / 0.8                 | 4               | 2m             | 400     |
| BH203L3-ET | 1.6  | 6                   | 6.5 / 1                 | 3               | 1Bm            | 435     |
| BH204L4-ET | 1.6  | 4.5                 | 5 / 0.8                 | 4               | 1Am            | 400     |
| BH204L3-ET | 2    | 4.5                 | 5 / 0.8                 | 4               | 1Bm            | 400     |
| BH522R4-ET | 2.5  | 5.2                 | 3.8 / 0.6               | 2 x 2           | 2m             | request |
| BH522R3-ET | 3.2  | 8.2                 | 5.9 / 0.9               | 2 x 2           | 1Bm            | request |
| BH524L5-ET | 4    | 5.9                 | 3.8 / 0.6               | 2 x 4           | 2m             | request |
| BH524L4-ET | 5    | 5.9                 | 3.8 / 0.6               | 2 x 4           | 1Am            | request |

# Blueprint

