

YOUR EXPERT IN INDUSTRIAL LIFTING SOLUTIONS

HOISTS AND CRANE KITS  
STANDARD | SPECIFIC

NEW PRODUCT

**BH**

Electric hoist with **white Dyneema® belt**  
for capacities up to 6 300 kg



## NEW PRODUCT

# BH

## Electric hoist with **white Dyneema®** belt for capacities up to 6 300 kg

Suitable for numerous specific environments BH2 and BH5 electric hoists are strategic for:

- Abrasive dust, powder or flour, big-bag handling areas
- Food industry
- Pharmaceutical / Medical industry
- Chemical / Galvanisation industry
- "No lubrications allowed" areas
- "Technical Cleanliness" according ISO 16232
- "Cleanroom" according ISO14644-1 and -14 for BH2 stainless steel versions hoists.

Thanks to their Dyneema® belt, adapted parts and product configurations, the BH range reaches high performance standards and meets numerous demanding installations.

### GENERAL FEATURES

- **BH range:**
  - BH2 up to 2 000 kg,
  - BH5 up to 6 300 kg.
- **Optional:** total or partial anti-corrosion versions
- **Classifications:** EN 14492-2:2019, 2009 and ISO 4301.
- **Voltage:**
  - Power supply: 400 V/3 ph/50 Hz.
  - Control: 48 V/50 Hz.
- **Paint:**
  - C4-L in standard.
- **DIN hook**



### Easy servicing and maintenance

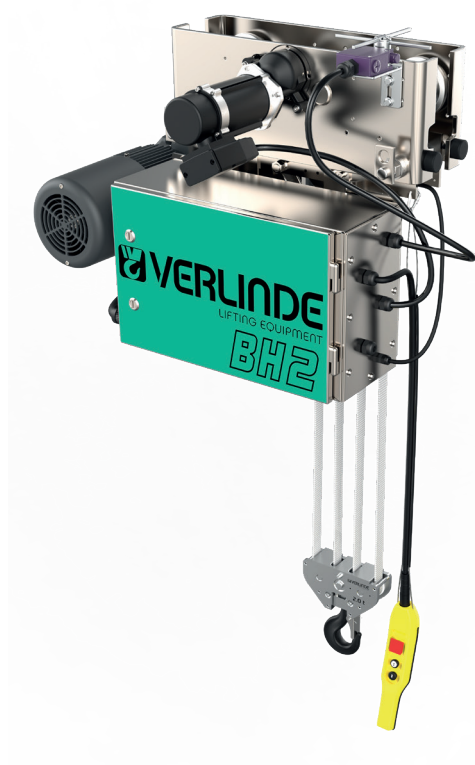
- ✓ As BH product ranges offers stainless-steel hooks, hook blocks, wheels, cubicles etc., with always sealed bearings and made of plastic or stainless steel pulleys, **they can easily be cleaned** and also **grant a less contaminated environment** in contrast to chain or rope hoists. In fact, for that specific part, **pulleys and belts do not produce any metal particles which fall off or encounter the products.**
- ✓ **With Dyneema® belt, no lubrication is required.** This, in addition to BH hoists' design, provides equipment which **better withstand high humidity.**
- ✓ **The original white color of the Dyneema® belt has been kept to make it easier to recognize the dirt on the belt in sensitive working environments.**





## Functioning optimisation

- ✓ BH2 has an **electronical overload device with MT3**.
- ✓ BH2 and BH5 are equipped with **4-step Stromag geared limit switch**.
- ✓ Function for:
  - Phase mismatch control (2-speed); lower slow down (inverter hoisting)
  - Lower position STOP
  - Upper position SLOW-DOWN
  - Upper position STOP



## Enhanced security

- ✓ Dyneema® fibers are currently the **strongest fibers worldwide** available, and have **highest resistance against any chemicals**.
- ✓ No polygonal effect on the load. Thanks to their belt/drum combination, BH hoists are free from this phenomenon and thus offer a **linear speed**, providing the **best solution in terms of flexibility and positioning for soft light cranes and jibs**.
- ✓ BH2 stainless steel version hoists have been **Cleanroom certified class 7** according to ISO14644-1 and -14 by Fraunhofer institute.



## BH TECHNICAL DATA

### BH2 Hoist - 50Hz

| Falls | Load<br>(metric tons) |      |     |      |     |     |      |     |     | Configuration |   |   |   |    | Lifting speed<br>(m/min) |           |            | Lifting<br>height (m) |
|-------|-----------------------|------|-----|------|-----|-----|------|-----|-----|---------------|---|---|---|----|--------------------------|-----------|------------|-----------------------|
| x/1   | 0,125                 | 0,25 | 0,5 | 0,63 | 0,8 | 1   | 1,25 | 1,6 | 2   | F             | N | Y | U | YN | 2-speed                  | Stepless  | Gear       |                       |
| 2/1   | 2m                    | 1Am  | 1Bm |      |     |     |      |     |     | ✓             | ✓ | ✓ | X | ✓  | 20 / 3,3                 | 2 - 20    | High speed | 9                     |
| 2/1   | 2m                    | 2m   | 2m  | 2m   | 1Am | 1Bm |      |     |     | ✓             | ✓ | ✓ | X | ✓  | 10 / 1,6                 | 1 - 10    | Low speed  | 9                     |
| 3/1   |                       |      | 2m  | 1Am  | 1Bm |     |      |     |     | ✓             | ✓ | ✓ | X | ✓  | 13 / 2                   | 1,3 - 13  | High speed | 6                     |
| 3/1   |                       |      |     |      |     | 2m  | 1Am  | 1Bm |     | ✓             | ✓ | ✓ | X | ✓  | 6,5 / 1                  | 0,6 - 6,5 | Low speed  | 6                     |
| 4/1   |                       |      |     |      |     |     | 2m   | 1Am | 1Bm | ✓             | ✓ | ✓ | X | ✓  | 5 / 0,8                  | 0,5 - 5   | Low speed  | 4,5                   |

### BH5 Hoist - 50Hz

| Falls | Load<br>(metric tons) |     |     |    |     |     | Configuration |   |   |   |    | Lifting speed<br>(m/min) |          |            | Lifting<br>height (m) |
|-------|-----------------------|-----|-----|----|-----|-----|---------------|---|---|---|----|--------------------------|----------|------------|-----------------------|
| x/2   | 2                     | 2,5 | 3,2 | 4  | 5   | 6,3 | F             | N | Y | U | YN | 2-speed                  | Stepless | Gear       |                       |
| 2/2   | 2m                    | 1Am | 1Bm |    |     |     | ✓             | ✓ | X | ✓ | X  | 5,9 / 0,9                | -        | High speed | 8,2                   |
| 4/2   |                       |     |     | 2m | 1Am | 1Bm | ✓             | ✓ | X | ✓ | X  | 3,8 / 0,6                | -        | Low speed  | 5,9                   |

**F** = Fixed    **N** = Normal    **Y** = Push    **U** = Articulated    **YN** = LCS trolley

**2-speed** = P motor    **Stepless** = W motor

#### Did you know? The EN standard for hoists classification has evolved.

Developed by the technical committee CEN/TC 147 "Lifting appliances with suspended loads – Safety", the new hoists classification EN 14492-2:2019 is now based on the number of load cycles for which a hoist is designed and tested. The new standard also includes a reading considering trolley movement classes. A safer evolution integrating fatigue cycles and defined wearing based on the real use of the products.

