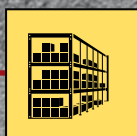




**STRONG PARTNERS.  
TOUGH TRUCKS.™**



# **P2.0HL SERIES TECHNICAL GUIDE**



**[WWW.HYSTER.COM](http://WWW.HYSTER.COM)**

# > P2.OHL

|                 |   |   |               |               |                          |         |      |
|-----------------|---|---|---------------|---------------|--------------------------|---------|------|
| GENERAL         | 1-1   | Manufacturer  |               |               | HYSTER                   |         |      |
|                 | 1-2   | Model designation                                   |               |               | P2.OHL                   |         |      |
|                 | 1-3   | Drive   |               |               | Battery                  |         |      |
|                 | 1-4   | Operator type                                       |               |               | Pedestrian               |         |      |
|                 | 1-5   | Rated capacity/rated load                           | $Q_1$         | t             | 2.0                      |         |      |
|                 |   | Capacity, load (on the forks)                       | $Q_1$         | t             | 0.7                      |         |      |
|                 |   | Capacity, load (on the frame)                       | $Q_1$         | t             | 2.0                      |         |      |
|                 | 1-6   | Load centre distance (1)                            | c             | mm            | 600                      |         |      |
|                 | 1-8   | Load distance, centre of drive axle to fork (1)     | x             | mm            | 906                      |         |      |
| 1-9             | Wheelbase (1)                                 | y   | mm            | 1380          |                          |         |      |
| WEIGHT          | 2-1   | Service weight (4)                                  |               | kg            | 615                      |         |      |
|                 | 2-2   | Axle loading with load, front / rear                |               | kg            | 780                      | 1835    |      |
|                 | 2-3   | Axle loading without load, front / rear             |               | kg            | 440                      | 175     |      |
| WHEELS          | 3-1   | Tyres: polyurethane, tophane, NDIIThane, front/rear |               |               | Polyurethane / NDIIThane |         |      |
|                 | 3-2   | Tyre size, front                                    | $\emptyset$   | mm x mm       | 230 x 75                 |         |      |
|                 | 3-3   | Tyre size, rear                                     | $\emptyset$   | mm x mm       | 85 x 74                  |         |      |
|                 | 3-4   | Additional wheels (dimensions)                      | $\emptyset$   | mm x mm       | 100 x 40                 |         |      |
|                 | 3-5   | Wheels, number front / rear (x = driven wheels)     |               |               | 1x+2                     | 4       |      |
|                 | 3-6   | Tread, front  | $b_{10}$      | mm            | 458                      |         |      |
|                 | 3-7   | Tread, rear   | $b_{11}$      | mm            | 377                      |         |      |
| DIMENSIONS      | 4-4   | Lift  | $h_3$         | mm            | 560                      |         |      |
|                 | 4-6   | Initial lift  | $h_5$         | mm            | 130                      |         |      |
|                 | 4-9   | Height drawbar in driving position min./max. (2)    | $h_{14}$      | mm            | 735                      | 1200    |      |
|                 | 4-15  | Height, lowered                                     | $h_{13}$      | mm            | 92                       |         |      |
|                 | 4-19  | Overall length                                      | $l_1$         | mm            | 1843                     |         |      |
|                 | 4-20  | Length to face of forks                             | $l_2$         | mm            | 651                      |         |      |
|                 | 4-21  | Overall width                                       | $b_1, b_2$    | mm            | 700                      |         |      |
|                 | 4-22  | Fork dimensions                                     | s/e/l         | mm            | 70                       | 190     | 1190 |
|                 | 4-25  | Distance between fork-arms                          | $b_5$         | mm            | 570                      |         |      |
|                 | 4-32  | Ground clearance, centre of wheelbase               | $m_2$         | mm            | 20                       |         |      |
|                 | 4-33  | Load dimension b 12 x l 6 crossways                 | $b_1, x, b_2$ | mm            | 800 x 1200               |         |      |
|                 | 4-34-1  | Aisle width for pallets 1000 x 1200 crossways       | Ast           | mm            | 2368                     |         |      |
|                 | 4-34-2  | Aisle width for pallets 800mm x 1200mm lengthwise   | Ast           | mm            | 2256                     |         |      |
| 4-35            | Turning radius (1)                            | $W_a$   | mm            | 1560          |                          |         |      |
| PERFORMANCE     | 5-1   | Travel speed with / without load                    |               | km/h          | 6.0                      | 6.0     |      |
|                 | 5-2   | Lifting speed with / without load (3)               |               | m/s           | 0.09                     | 0.10    |      |
|                 | 5-3   | Lowering speed with / without load (3)              |               | m/s           | 0.17                     | 0.15    |      |
|                 | 5-8   | Max. gradeability - 1.6 km/h, with / without load   |               | %             | 8.0                      | 20.0    |      |
|                 | 5-10  | Service brake                                       |               |               | Electromagnetic          |         |      |
| ELECTRIC ENGINE | 6-1   | Drive motor, S2 60 min rating                       |               | kW            | 1.2                      |         |      |
|                 | 6-2   | Lift motor S3 15% rating                            |               | kW            | 1.4                      |         |      |
|                 | 6-3   | Battery according to DIN 43531/35/36 A,B,C, no      |               |               | no                       |         |      |
|                 | 6-4   | Battery voltage/nominal capacity K5 (2)             |               | V/Ah          | 24                       | 200 (5) |      |
|                 | 6-5   | Battery weight (4)                                  |               | kg            | 185                      |         |      |
|                 | 6-6   | Energy consumption according to VDI cycle           |               | kWh/h         | 0.44                     |         |      |
| 8-1             | Type of drive unit                            |   |               | AC-Controller |                          |         |      |
| 10-7            | Sound pressure level at the driver's position |   |               | dB (A)        | < 70                     |         |      |

## NOTES:

Specifications are affected by the condition of the vehicle and how it is equipped, as well as the nature and condition of the operating area. Inform your dealer of the nature and condition of the intended operating area when purchasing your Hyster Truck.

- (1) With initial lift -85mm
- (2) Tiller arm in vertical working position (creep speed)
- (3)  $h_3$  lift
- (4) These values may vary of +/- 5%
- (5) Available battery 24V / 200Ah, 160kg

## NOTICE:


Care must be exercised when handling elevated loads. Operators must be trained and must read, understand and follow the instructions contained in the Operating Manual.

All values are nominal values and they are subject to tolerances. For further information, please contact the manufacturer.

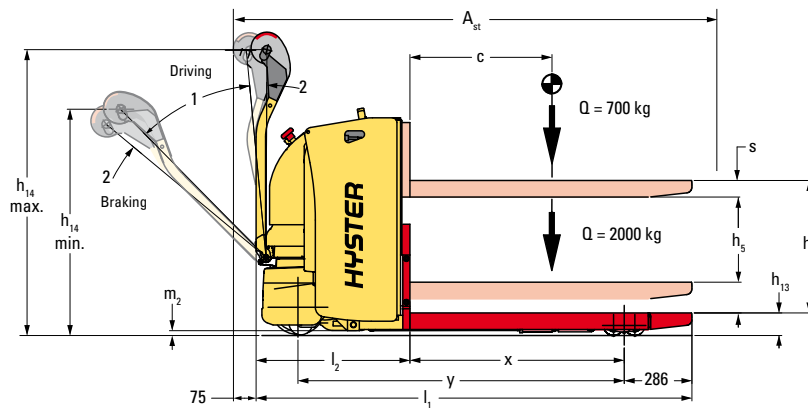
Hyster products are subject to change without notice.

Lift trucks illustrated may feature optional equipment. Values may vary with alternative configurations.

Specification data is based on VDI 2198.

 **Safety:** This truck conforms to the current EU requirements.

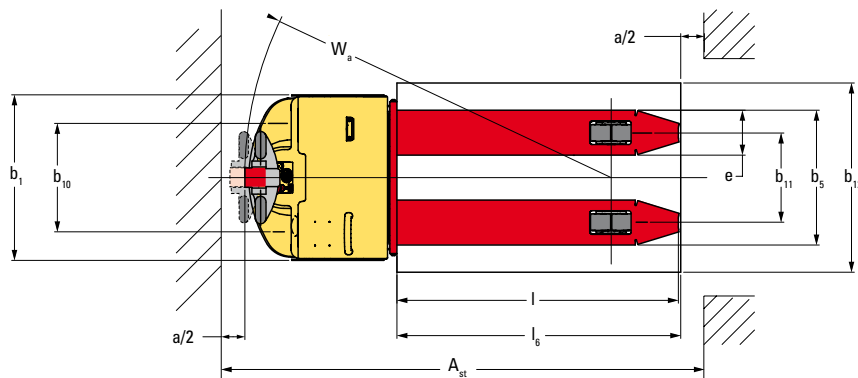
# TRUCK DIMENSIONS



$$A_{st} = W_a + R + a = W_a + \sqrt{(l_6 - x)^2 + (b_{12}/2)^2} + a$$

(see lines 4.34.1 & 4.34.2)

$a = 200 \text{ mm}$



# PRODUCT FEATURES

## DEPENDABILITY

- The chassis design has a fully enclosed battery compartment and steel battery box lid with welded fork profile for exceptional durability.
- CANbus communication system leads to less downtime.
- The P2.0HL design is based on the larger family of Hyster Pallet trucks, already proven in tough applications worldwide.

## PRODUCTIVITY

- Powerful AC traction motor provides superior performance and increased loads moved per hour.
- Ample load capacity with 2 000 kg on the load arms and 700 kg on the forks.
- Lift capability is up to 780 mm (including both initial lift and supplementary fork lift).
- Supplementary fork lift for precise load positioning.
- Narrow and short chassis dimensions facilitate manoeuvrability in limited spaces.
- When the tiller head in an upright position the creep speed button can provide even more precise manoeuvring.

## SERVICEABILITY

- 12 month or 1 000 service intervals.
- AC motor is virtually maintenance free.
- Simple access to key components.

## ERGONOMICS

- Designed specifically for reducing stress to the operator's back during order picking operations or when restocking shelves.
- Low mounted, long tiller arm with low steering effort for ease of use.
- Ergonomic tiller head with easy grip handles and all direction, acceleration and lift controls within easy reach of fingers.
- Easy to read Multifunctional Display Indicator (MDI), hour meter, battery discharge indicator and emergency disconnect button.

## LOW COST OF OPERATION

- Designed with the comfort of the operator as a priority, leading to satisfaction of personnel and fast turnaround, improving business results.
- A low cost, productive solution for order picking or stock replenishment at low levels.
- Designed specifically to suit the needs of small scale retail operations, for instance DIY stores or supermarkets.
- Optional on board charger allows easy charging at any mains socket, keeping the trucks working whenever they are needed.

# STRONG PARTNERS. TOUGH TRUCKS.™

## FOR DEMANDING OPERATIONS, EVERYWHERE.

Hyster supplies a complete range of warehouse equipment, IC and electric counterbalanced trucks, container handlers and reach stackers. Hyster is committed to being much more than a lift truck supplier.

Our aim is to offer a complete partnership capable of responding to the full spectrum of material handling issues: Whether you need professional consultancy on your fleet management, fully qualified service support, or reliable parts supply, you can depend on Hyster.

Our network of highly trained dealers provides expert, responsive local support. They can offer cost-effective finance packages and introduce effectively managed maintenance programmes to ensure that you get the best possible value. Our business is dealing with your material handling needs so you can focus on the success of your business today and in the future.



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