

adaptalift **GROUP**



# H4.0-5.5FT

4.0 - 5.5 Tonne

COUNTER BALANCE  
SERIES



**THE SOLUTION TO YOUR  
APPLICATION NEEDS**

**13 22 54**

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## Hyster **FORTIS™** Product Features

The new Fortis series of lift trucks features industry leading innovations that deliver what matters most: reliability, dependability and low cost of ownership

### 1 OVERHEAD GUARD (OHG)

The unique grid-style pattern improves visibility while protecting operators and strengthening the truck's structure. The front, curved OHG leg design affords greater shoulder clearance for easier operator entry and exit.

### 2 HYDRAULIC CONTROLS

The Hyster® Fortis™ line of lift trucks offers three configurations that employ cowl mounted levers, TouchPoint™ mini-levers or a TouchControl™ joystick to provide you unsurpassed, low effort, tactile control of all hydraulic functions.

### 3 Exclusive VISTA Mast

High strength hot-rolled steel mast channels and flush-faced design improve capacity retention at high lifts. Compact cast steel cross members optimize visibility and rigidity. Six canted 3-inch full-face load rollers roll on the web and the flange simultaneously, eliminating the need for side thrust rollers or wear plugs.

### 4 Tilt Steer Column

The infinitely adjustable tilt steer column accommodates operators easily. Assisted by a gas-spring and an easy-to-reach lever, obtaining your preferred position is simple. The standard 12-inch steering wheel with integrated spinner knob reduces fatigue while providing more knee room. And it goes lock-to-lock in just 4 turns for superior efficiency, maneuverability and control.

### 5 Pacesetter VSM™

The computer "brain" of the Fortis™ line of lift trucks manages all vehicle systems to optimize performance and significantly increase overall reliability and enhance diagnostic capabilities for maximum uptime.

### 6 Hassle-Free Hydraulics

Use of leak-free O-ring face seals helps maximize uptime. In-tank filter increases hydraulic fluid filtration by 60% for particles down to 10 microns, significantly extending component life and creating a cleaner overall operation.

### 7 Integral Sideshift

The optional integral sideshift provides excellent visibility and affords greater capacities than carriage-mounted sideshifts.



## 8 Heavy-Duty Planetary Drive Axle

The full floating design of the drive axle lets the axle housing, not the shafts, carry the weight of the load, enhancing dependability and reliability for a longer service life. Hyster premium self-adjusting brakes provide excellent inching or stopping power.

## 9 Oil-Cooled Wet Disc Brakes

Provide excellent stopping power and extremely long service life. Brakes are completely sealed from water and dirt making them ready for your harshest environments. (Standard with Fortis™ Advance+).

## 10 Drivetrain Mounting

The Hyster Fortis line of lift trucks has a fully isolated drivetrain through the use of elastomeric mounts for the engine and transmission. The result is a new standard in smooth riding comfort.

## 11 Removable Floor Plate

One piece, steel floor plate is easily removed to provide incredible service access. A molded rubber floor mat seals the floor area to reduce noise and vibration for a more comfortable ride.

## 12 Hydrostatic Steer Axle

The elastomeric-mounted Hyster designed cast ductile iron steer axle with transverse, double-acting hydraulic cylinder, tapered roller spindle- support bearings and non-adjustable tie rods provide maximum durability and superior steering control for easy maneuvering and low maintenance.

## 13 Hyster Stability System

The new stability system reduces truck lean in turns, improving lateral stability. Even with the reduced lean, the innovative steer axle mounting design allows for superior travel over uneven surfaces.

## 14 Counterweight

The superior design permits a significant increase in airflow to assist the Fortis line of lift trucks to run cooler, even in extreme temperatures and environments.

## 15 Engine Cover

The tough engine cover is made of a durable, crack-resistant, thermoset polyester resin reinforced with glass. Hinged at the rear, it offers superior service access to the engine compartment with an opening angle of 85 degrees.

## 16 EZXchange™ Bracket

This optional bracket swings out from over the top of the counterweight and the gas-spring assisted fuel cylinder lowers into a reclined and locked position, providing a stable platform for quick, easy LP tank replacement.

## 17 Brake/Backup Lights

For superior functionality, the optional Hyster LED brake/ backup lights resist vibration and offer extremely long life.

## 18 Fatigue-Reducing Operator Compartment

Ergonomically designed compartment plays a big role to enhance overall productivity. Entry and exit are made easy by the optimized step height with non-slip step tread, soft touch contoured hand grip and rounded hood. Repositioned foot pedals provide improved floor space, while better engine cooling keeps operators more comfortable. Infinitely adjustable tilt steer column accommodates any size operator. A formed fiberglass liner provides increased noise suppression for a more comfortable ride.



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## ADVANCED DEPENDABILITY

Decrease Downtime By Up To 30%

Approximately 70% of industrial lift truck downtime results from problems with the powertrain, electrical system, cooling system or hydraulic system. With the H4.0-5.5FT, many of these mechanical issues become a thing of the past as design advances have reduced downtime by up to 30%.

### TOUGHEST DRIVETRAIN

- ✓ Pacesetter VSMTM industrial onboard computer monitors and protects the engine powertrain to maximize the H4.0-5.5FT series uptime.
- ✓ Transmission gears and shafts are up to 15% stronger to handle even the most demanding duty cycle.
- ✓ Electronic controlled powershift transmission has state-of-the-art clutch packs that are stronger and larger and provide up to 3 times the life.
- ✓ Hyster® drum brakes are self-adjusting and self-energizing with heavy-duty backing plate to provide optimal performance and lengthened service life.
- ✓ Optional oil-cooled wet disc brakes provide extremely long service life and are completely sealed from water and dirt making them ready for your harshest environments (standard with Fortis Advance+).

### INDUSTRIAL STRENGTH ELECTRONICS

- ✓ CANbus communications network reduces wiring complexity, providing superior dependability.
- ✓ Non-mechanical, Hall-Effect sensors and switches are designed to outlast the life of the truck.
- ✓ Proven tough, Pacesetter VSM industrial onboard computer manages truck operation to maintain world-class dependability to maximise uptime.
- ✓ IP66 sealed electrical connectors keep out water and debris, so you can powerwash our trucks.
- ✓ Smart, one-way routing path for wire harnesses ensures consistent high-quality assembly while increasing durability and simplifying maintenance when needed.



## EXCEPTIONAL COOLING

- ✓ A choice of 2 aluminum core radiators, each with significant design and component improvements, provides the industry's best cooling capacity – a key factor to increasing uptime and the economic life of your trucks.
- ✓ Soft rubber isolator mounted radiators increase reliability and durability to significantly extend service life.
- ✓ A superior counterweight tunnel design coupled with a "pusher" type fan and enhanced shroud design improves airflow and significantly reduces the recirculation of hot air to maximize cooling capabilities.
- ✓ Combi-cooler radiator provides 4-row aluminum core for additional transmission oil cooling capacity for the most demanding and intensive applications. (Fortis™ Advance+, optional on Fortis™ Advance)

## HASSLE-FREE HYDRAULICS

- ✓ Leak-free O-ring face seal fittings reduce leaks for enhanced reliability.
- ✓ A 10-micron high-performance in-tank filtration system captures 99.5% of hydraulic system debris, significantly extending component life.
- ✓ Smart placement of the control valve and hydraulic lines away from heat sources reduces operating temperature, extending the life of seals and hoses for unbeatable reliability.



## LOWEST COST OF OPERATIONS

Save over \$2,200 In Operating Costs Per Lift Truck – Each Year

Lowering operating costs in all types of applications is what the Hyster® H4.0-5.5FT Fortis™ series does best. In head-to-head comparisons with the leading competitors' comparable trucks, the H4.0-5.5FT series was shown to save you over \$2,200 per year in operating consumable costs. This, combined with up to a 30% decrease in downtime, makes the Hyster H4.0-5.5FT Fortis series an exceptionally smart choice.

The H4.0-5.5FT series features 3 truck packages with multiple powertrain configurations that provide improved efficiency, while enhancing reliability and superior serviceability to reduce your operating costs.

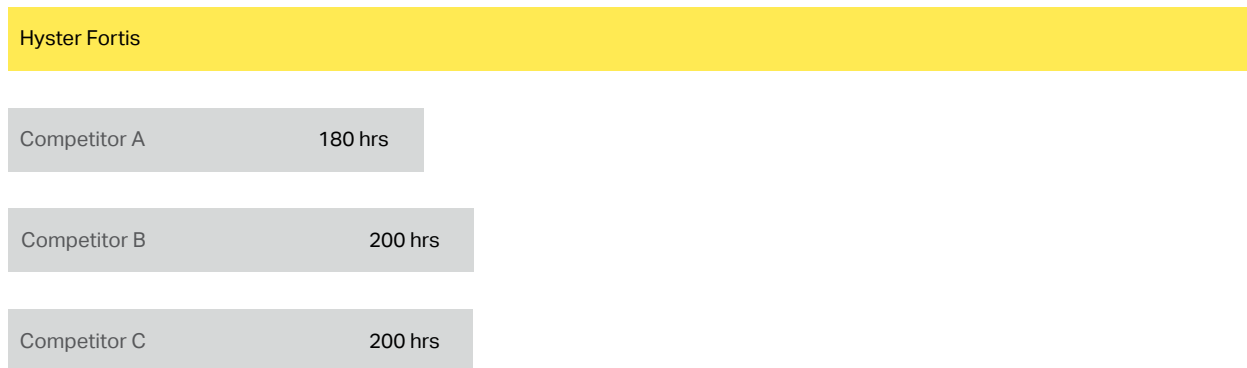
### ANNUAL OPERATING COSTS

In intensive applications, the Hyster® Fortis™ Advance truck can save \$2,254 per year. This includes fuel, brakes, tyres and regular periodic maintenance.

### WORLD CLASS EFFICIENCY

- ✓ Auto Deceleration System extends brake life by up to 60% by automatically slowing the truck when the accelerator pedal is released. (Fortis™ Advance, Fortis™ Advance+)
- ✓ Controlled power reversal feature virtually eliminates tire spin, increasing tire life by up to 50%. This feature is programmable to match the needs from delicate to more aggressive settings for maximum productivity. (Fortis Advance, Fortis Advance+)
- ✓ Electronic hydraulic control valve precisely manages hydraulic pressure and flow to supply exactly the right amount of power for each function, reducing fuel consumption.
- ✓ Hydraulic oil change interval extended from 2,000 to 4,000 hours.
- ✓ Improved engine options provide excellent performance with advanced combustion technology that enhances fuel economy.

### Operating Costs





## ADVANCED DEPENDABILITY

- ✔ **Toughest Powertrain:** Electronic controlled transmissions reduce shock loading; clutch packs with 3 times the life; 15% stronger gears and shafts; and Hyster premium brakes all work to provide unmatched reliability.
- ✔ **Industrial Strength Electronics:** CANbus communications, non-mechanical sensors and switches and IP66 rated sealed connections mean electrical problems are a thing of the past.
- ✔ **Industry's Best Cooling:** The H4.0-5.5FT series' superior airflow and choice of heavy-duty cooling systems keep heat in check, while providing world-class dependability in even the harshest of environments.
- ✔ **Hassle-free Hydraulics:** Leak-free O-ring face seal fittings at all high pressure connection points, superior filtration (10 micron) system and smart placement of valve and lines take the worry out of hydraulics.

## SUPERIOR SERVICEABILITY

- ✔ **Pacesetter VSMTM** continuously monitors fluid levels and powertrain, reducing daily service checks and preventing major repairs.
- ✔ **Unmatched service access:** Rear-opening one-piece hood (opens up 85 degrees) and easy-to-remove one-piece floor plate (no tools required) provide industry's best cowl to counterweight service access.
- ✔ **Daily checks** are easily accessed and performed.
- ✔ **State-of-the-art onboard diagnostics** reduce repair time and minimize expensive parts swapping.
- ✔ **Optional oil-cooled wet disc brakes** virtually eliminate brake maintenance.



# Fortens H4.0-5.5FT

## Fortens H4.0FT, H4.5FT, H5.0FT, H5.5FT

|                 |               |   |        |
|-----------------|---------------|---|--------|
| CHARACTERISTICS | 1.1           | Manufacturer  |        |
|                 | 1.2           | Model designation                                       |        |
|                 |               | Model - Manufacturer designation                        |        |
|                 |               | Engine/Transmission                                     |        |
|                 |               | Brake Type  |        |
|                 | 1.3           | Power: battery, diesel, LPG, electric mains             |        |
|                 | 1.4           | Operation: manual, pedestrian, stand, seat, orderpicker |        |
|                 | 1.5           | Load capacity   | Q (kg) |
|                 | 1.6           | Load centre   | c (mm) |
| 1.8             | Load distance | x (mm)  |        |
| 1.9             | Wheelbase     | y (mm)  |        |

|  | H4.0FT5          | H4.5FT5          | H5.0FT5          | H5.5FT5          |
|--|------------------|------------------|------------------|------------------|
|  | Fortens          | Fortens          | Fortens          | Fortens          |
|  | Kubota 3.6L      | Kubota 3.6L      | Kubota 3.6L      | Kubota 3.6L      |
|  | Basic Powershift | Basic Powershift | Basic Powershift | Basic Powershift |
|  | 1-speed          | 2-speed          | 1-speed          | 2-speed          |
|  | ADS Drum         | ADS Drum         | ADS Drum         | ADS Drum         |
|  | Diesel           | Diesel           | Diesel           | Diesel           |
|  | Seat             | Seat             | Seat             | Seat             |
|  | 4 000            | 4 000            | 4 000            | 4 500            |
|  | 500              | 500              | 600              | 500              |
|  | 522,1            | 522,1            | 522,1            | 522,1            |
|  | 1 830            | 1 830            | 1 830            | 1 830            |

|         |     |                                       |    |
|---------|-----|---------------------------------------|----|
| WEIGHTS | 2.1 | Unladen weight                        | kg |
|         | 2.2 | Axle loading with load, front/rear    | kg |
|         | 2.3 | Axle loading without load, front/rear | kg |

|       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|
|       | 6 298 | 6 298 | 6 672 | 6 672 | 6 630 |
| 8 849 | 1 077 | 8 849 | 1 077 | 8 910 | 1 390 |
| 2 923 | 3 375 | 2 923 | 3 375 | 3 003 | 3 669 |

|                |     |  |                      |
|----------------|-----|--|----------------------|
| WHEELS & TYRES | 3.1 | Tyres: L=pneumatic, V=solid, SE=pneumatic-shaped solid |                      |
|                | 3.2 | Tyre size, front                                       |                      |
|                | 3.3 | Tyre size, rear  |                      |
|                | 3.5 | Number of wheels, front/rear (X = driven)              |                      |
|                | 3.6 | Track width, front                                     | b <sub>10</sub> (mm) |
|                | 3.7 | Track width, rear                                      | b <sub>11</sub> (mm) |

|  |           |           |           |           |           |
|--|-----------|-----------|-----------|-----------|-----------|
|  | SE        | SE        | SE        | SE        | SE        |
|  | 250 x 15  | 250 x 15  | 250 x 15  | 250 x 15  | 250 x 15  |
|  | 7,00 x 12 | 7,00 x 12 | 7,00 x 12 | 7,00 x 12 | 7,00 x 12 |
|  | 2X   2    | 2X   2    | 2X   2    | 2X   2    | 2X   2    |
|  | 1 152     | 1 152     | 1 152     | 1 152     | 1 152     |
|  | 1 136     | 1 136     | 1 136     | 1 136     | 1 136     |

|            |                      |   |                                     |
|------------|----------------------|---|-------------------------------------|
| DIMENSIONS | 4.1                  | Mast tilt, α = forward/β                          | degrees                             |
|            | 4.2                  | Height of mast, lowered                           | h <sub>1</sub> (mm)                 |
|            | 4.3                  | Free lift †                                       | h <sub>2</sub> (mm)                 |
|            | 4.4                  | Lift height †                                     | h <sub>3</sub> (mm)                 |
|            | 4.5                  | Height of mast, extended ♦                        | h <sub>4</sub> (mm)                 |
|            | 4.7                  | Overhead guard height ■                           | h <sub>5</sub> (mm)                 |
|            | 4.8                  | Seat height ○                                     | h <sub>6</sub> (mm)                 |
|            | 4.12                 | Towing coupling height                            | h <sub>10</sub> (mm)                |
|            | 4.19                 | Overall length                                    | l <sub>1</sub> (mm)                 |
|            | 4.20                 | Length to face of forks                           | l <sub>2</sub> (mm)                 |
|            | 4.21                 | Overall width, standard/wide/dual drive           | b <sub>1</sub> /b <sub>2</sub> (mm) |
|            | 4.22                 | Fork dimensions                                   | s/e/l (mm)                          |
|            | 4.23                 | Fork carriage DIN 15173. Class, A/B               |                                     |
|            | 4.24                 | Fork carriage width ●                             | b <sub>3</sub> (mm)                 |
|            | 4.31                 | Ground clearance under mast, with load            | m <sub>1</sub> (mm)                 |
|            | 4.32                 | Ground clearance, centre of wheelbase             | m <sub>2</sub> (mm)                 |
|            | 4.33                 | Aisle width with pallets 1 000 mm x 1 200 mm wide | Ast (mm)                            |
|            | 4.34                 | Aisle width with pallets 800 mm x 1 200 mm long   | Ast (mm)                            |
| 4.35       | Outer turning radius | W <sub>1</sub> (mm)                               |                                     |
| 4.36       | Inner turning radius | b <sub>13</sub> (mm)                              |                                     |

|  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|  | 6F                    | 10B                   | 6F                    | 10B                   | 6F                    | 10B                   | 6F                    | 10B                   | 6F                    | 10B                   |
|  | 2 175                 | 2 175                 | 2 175                 | 2 175                 | 2 175                 | 2 175                 | 2 175                 | 2 175                 | 2 175                 | 2 175                 |
|  | 100                   | 100                   | 100                   | 100                   | 100                   | 100                   | 100                   | 100                   | 100                   | 100                   |
|  | 3 000                 | 3 000                 | 3 000                 | 3 000                 | 3 000                 | 3 000                 | 3 000                 | 3 000                 | 2 740                 | 2 740                 |
|  | 3 815                 | 3 815                 | 3 815                 | 3 815                 | 3 815                 | 3 815                 | 3 815                 | 3 815                 | 3 730                 | 3 730                 |
|  | 2 258                 | 2 258                 | 2 258                 | 2 258                 | 2 258                 | 2 258                 | 2 258                 | 2 258                 | 2 258                 | 2 258                 |
|  | 1 159                 | 1 159                 | 1 159                 | 1 159                 | 1 159                 | 1 159                 | 1 159                 | 1 159                 | 1 159                 | 1 159                 |
|  | 429                   | 429                   | 429                   | 429                   | 429                   | 429                   | 429                   | 429                   | 429                   | 429                   |
|  | 3 945                 | 3 945                 | 4 176                 | 4 176                 | 4 176                 | 4 176                 | 4 176                 | 4 176                 | 4 197                 | 4 197                 |
|  | 2 945                 | 2 945                 | 2 976                 | 2 976                 | 2 976                 | 2 976                 | 2 976                 | 2 976                 | 2 997                 | 2 997                 |
|  | 1 402   1 485   1 773 | 1 402   1 485   1 773 | 1 402   1 485   1 773 | 1 402   1 485   1 773 | 1 402   1 485   1 773 | 1 402   1 485   1 773 | 1 402   1 485   1 773 | 1 402   1 485   1 773 | 1 402   1 485   1 773 | 1 402   1 485   1 773 |
|  | 50 x 120 x 1 000      | 50 x 120 x 1 000      | 50 x 120 x 1 200      | 50 x 120 x 1 200      | 50 x 120 x 1 200      | 50 x 120 x 1 200      | 50 x 120 x 1 200      | 50 x 120 x 1 200      | 60 x 150 x 1 200      | 60 x 150 x 1 200      |
|  | III A                 | III A                 | III A                 | III A                 | III A                 | III A                 | III A                 | III A                 | IV A                  | IV A                  |
|  | 1 219                 | 1 219                 | 1 219                 | 1 219                 | 1 219                 | 1 219                 | 1 219                 | 1 219                 | 1 219                 | 1 219                 |
|  | 151                   | 151                   | 150                   | 150                   | 150                   | 150                   | 150                   | 150                   | 194                   | 194                   |
|  | 194                   | 194                   | 194                   | 194                   | 194                   | 194                   | 194                   | 194                   | 194                   | 194                   |
|  | 4 292                 | 4 292                 | 4 321                 | 4 321                 | 4 321                 | 4 321                 | 4 321                 | 4 321                 | 4 341                 | 4 341                 |
|  | 4 492                 | 4 492                 | 4 521                 | 4 521                 | 4 521                 | 4 521                 | 4 521                 | 4 521                 | 4 541                 | 4 541                 |
|  | 2 570                 | 2 570                 | 2 599                 | 2 599                 | 2 599                 | 2 599                 | 2 599                 | 2 599                 | 2 619                 | 2 619                 |
|  | 50                    | 50                    | 50                    | 50                    | 50                    | 50                    | 50                    | 50                    | 50                    | 50                    |

|             |               |   |       |
|-------------|---------------|---|-------|
| PERFORMANCE | 5.1           | Travel speed with/without load                      | km/hr |
|             | 5.2           | Lifting speed with/without load                     | m/sec |
|             | 5.3           | Lowering speed with/without load                    | m/sec |
|             | 5.5           | Drawbar pull with/without load @ 1,6 km/h           | N     |
|             | 5.6           | Maximum drawbar pull with/without load              | N     |
|             | 5.7           | Gradeability with/without load @ 4,8 km/h †         | %     |
|             | 5.8           | Maximum gradeability with/without load @ 1,6 km/h † | %     |
| 5.10        | Service brake |   |       |

|  |           |           |           |           |           |           |           |           |           |           |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|  | 20,6      | 21,1      | 24,0      | 24,5      | 20,6      | 21,1      | 24,0      | 24,5      | 20,6      | 21,1      |
|  | 0,62      | 0,67      | 0,62      | 0,67      | 0,62      | 0,67      | 0,62      | 0,67      | 0,45      | 0,49      |
|  | 0,55      | 0,47      | 0,55      | 0,47      | 0,55      | 0,47      | 0,55      | 0,47      | 0,51      | 0,42      |
|  | 22 800    | 17 500    | 29 900    | 17 500    | 22 700    | 18 000    | 29 800    | 18 000    | 22 700    | 17 000    |
|  | 25 900    | 17 500    | 35 600    | 17 500    | 25 800    | 18 000    | 35 500    | 18 000    | 25 700    | 17 000    |
|  | 18,2      | 29,6      | 21,7      | 29,6      | 17,0      | 28,7      | 20,4      | 28,7      | 16,6      | 27,1      |
|  | 24,6      | 29,6      | 32,8      | 29,6      | 23,1      | 28,7      | 30,8      | 28,7      | 22,0      | 27,1      |
|  | Hydraulic | Hydraulic | Hydraulic | Hydraulic | Hydraulic | Hydraulic | Hydraulic | Hydraulic | Hydraulic | Hydraulic |

|        |     |   |                         |
|--------|-----|---|-------------------------|
| ENGINE | 7.1 | Engine manufacturer/Type ♦                    |                         |
|        | 7.2 | Engine output, in accordance with ISO1585     | kW                      |
|        | 7.3 | Governed speed                                | rpm                     |
|        | 7.4 | Number of cylinders/displacements             | cm³                     |
|        | 7.5 | Fuel consumption in accordance with VDI cycle | l/h (DSL) or kg/h (LPG) |

|  |             |             |             |             |             |
|--|-------------|-------------|-------------|-------------|-------------|
|  | Kubota 3.6L | Kubota 3.6L | Kubota 3.6L | Kubota 3.6L | Kubota 3.6L |
|  | 57          | 57          | 57          | 57          | 57          |
|  | 2 400       | 2 400       | 2 400       | 2 400       | 2 400       |
|  | 4   3 620   | 4   3 620   | 4   3 620   | 4   3 620   | 4   3 620   |
|  | 5,98        | 6,21        | 6,05        | 6,26        | 6,72        |

|       |                      |   |        |
|-------|----------------------|---|--------|
| OTHER | 8.1                  | Drive control   |        |
|       | 8.2                  | Working pressure for attachments                          | bar    |
|       | 8.3                  | Oil flow for attachments                                  | l/min  |
|       | 8.4                  | Average noise level at operator's ear no cab/cab (Lpaz) * | dB (A) |
|       |                      | Guaranteed sound power 2001/14/EC (Lwaz)                  | dB     |
| 8.5   | Towing coupling type |   |        |

|  |           |           |           |           |           |
|--|-----------|-----------|-----------|-----------|-----------|
|  | Automatic | Automatic | Automatic | Automatic | Automatic |
|  | 155       | 155       | 155       | 155       | 155       |
|  | 83,3      | 83,3      | 83,3      | 83,3      | 83,3      |
|  | 80   80   | 80   80   | 80   80   | 80   80   | 80   80   |
|  | 105       | 105       | 105       | 105       | 105       |
|  | Pin       | Pin       | Pin       | Pin       | Pin       |

Specification data is based on VDI 2198

### Equipment and weight:

Weights (line 2.1) are based on the following specifications:

Complete truck with 3 050 mm (H4.0FT), 2 800 mm (H4.5-5.5FT) 2-stage limited free lift mast, standard carriage, 1 000 mm (H4.0FT) / 1 200 mm (H4.5-5.5FT) forks, manual hydraulics, overhead guard and standard pneumatic shaped solid drive and steer tyres.



| <b>HYSTER</b>                              | <b>HYSTER</b>                              | <b>HYSTER</b>                              | <b>HYSTER</b>                              | <b>HYSTER</b>                              | <b>HYSTER</b>                              | <b>HYSTER</b>                              |     | <b>CHARACTERISTICS</b> |
|--|--|--|--|--|--|--|-----|------------------------|
| H4.5FTS5                                   | H4.5FT6                                    | H4.5FT6                                    | H5.0FT                                     | H5.0FT                                     | H5.5FT                                     | H5.5FT                                     | 1.1 |                        |
| Fortens                                    | Fortens                                    | Fortens                                    | Fortens                                    | Fortens                                    | Fortens                                    | Fortens                                    | 1.2 |                        |
| Kubota 3.6L<br>Basic Powershift<br>2-speed | Kubota 3.6L<br>Basic Powershift<br>1-speed | Kubota 3.6L<br>Basic Powershift<br>2-speed | Kubota 3.6L<br>Basic Powershift<br>1-speed | Kubota 3.6L<br>Basic Powershift<br>2-speed | Kubota 3.6L<br>Basic Powershift<br>1-speed | Kubota 3.6L<br>Basic Powershift<br>2-speed |     |                        |
| ADS Drum                                   | Wet Brakes                                 | Wet Brakes                                 | Wet Brakes                                 | Wet Brakes                                 | Wet Brakes                                 | Wet Brakes                                 |     |                        |
| Diesel                                     | Diesel                                     | Diesel                                     | Diesel                                     | Diesel                                     | Diesel                                     | Diesel                                     | 1.3 |                        |
| Seat                                       | Seat                                       | Seat                                       | Seat                                       | Seat                                       | Seat                                       | Seat                                       | 1.4 |                        |
| 4 500                                      | 4 500                                      | 4 500                                      | 5 000                                      | 5 000                                      | 5 500                                      | 5 500                                      | 1.5 |                        |
| 500  | 600  | 600  | 600  | 600  | 600  | 600  | 1.6 |                        |
| 522,1                                      | 590  | 590  | 590  | 590  | 590  | 590  | 1.8 |                        |
| 1 830                                      | 2 100                                      | 2 100                                      | 2 100                                      | 2 100                                      | 2 100                                      | 2 100                                      | 1.9 |                        |

| 6 630 |       | 7 224  |       | 7 224  |       | 7 523  |       | 7 523  |       | 7 808  |       | 7 808  |       | 2.1 |
|-------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|-----|
| 9 496 | 1 216 | 10 596 | 1 164 | 10 596 | 1 164 | 11 241 | 1 272 | 11 241 | 1 272 | 11 882 | 1 370 | 11 882 | 1 370 | 2.2 |
| 2 829 | 3 801 | 3 473  | 3 751 | 3 473  | 3 751 | 3 406  | 4 117 | 3 406  | 4 117 | 3 335  | 4 474 | 3 335  | 4 474 | 2.3 |

| SE        |   | SE          |   | SE          |   | SE          |   | SE          |   | SE          |   | SE          |   | 3.1 |
|-----------|---|-------------|---|-------------|---|-------------|---|-------------|---|-------------|---|-------------|---|-----|
| 250 x 15  |   | 300 x 15    |   | 300 x 15    |   | 300 x 15    |   | 300 x 15    |   | 300 x 15    |   | 300 x 15    |   | 3.2 |
| 7,00 x 12 |   | 28 x 9 - 15 |   | 28 x 9 - 15 |   | 28 x 9 - 15 |   | 28 x 9 - 15 |   | 28 x 9 - 15 |   | 28 x 9 - 15 |   | 3.3 |
| 2X        | 2 | 2X          | 2 | 2X          | 2 | 2X          | 2 | 2X          | 2 | 2X          | 2 | 2X          | 2 | 3.5 |
| 1 152     |   | 1 150       |   | 1 150       |   | 1 150       |   | 1 150       |   | 1 150       |   | 1 150       |   | 3.6 |
| 1 136     |   | 1 136       |   | 1 136       |   | 1 136       |   | 1 136       |   | 1 136       |   | 1 136       |   | 3.7 |

| 6F               | 10B   | 6F               | 10B   | 6F               | 10B   | 6F               | 10B   | 6F               | 10B   | 6F               | 10B   | 6F               | 10B   | 4.1   |      |
|------------------|-------|------------------|-------|------------------|-------|------------------|-------|------------------|-------|------------------|-------|------------------|-------|-------|------|
| 2 215            |       | 2 215            |       | 2 215            |       | 2 215            |       | 2 215            |       | 2 215            |       | 2 215            |       | 4.2   |      |
| 100              |       | 100              |       | 100              |       | 100              |       | 100              |       | 100              |       | 100              |       | 4.3   |      |
| 2 740            |       | 2 740            |       | 2 740            |       | 2 740            |       | 2 740            |       | 2 740            |       | 2 740            |       | 4.4   |      |
| 3 730            |       | 3 730            |       | 3 730            |       | 3 730            |       | 3 730            |       | 3 730            |       | 3 730            |       | 4.5   |      |
| 2 258            |       | 2 300            |       | 2 300            |       | 2 300            |       | 2 300            |       | 2 300            |       | 2 300            |       | 4.7   |      |
| 1 159            |       | 1 201            |       | 1 201            |       | 1 201            |       | 1 201            |       | 1 201            |       | 1 201            |       | 4.8   |      |
| 429              |       | 472              |       | 472              |       | 472              |       | 472              |       | 472              |       | 472              |       | 4.12  |      |
| 4 197            |       | 4 456            |       | 4 456            |       | 4 499            |       | 4 499            |       | 4 540            |       | 4 540            |       | 4.19  |      |
| 2 997            |       | 3 256            |       | 3 256            |       | 3 299            |       | 3 299            |       | 3 340            |       | 3 340            |       | 4.20  |      |
| 1 402            | 1 485 | 1 773            | 1 450 | 1 575            | 1 875 | 1 450            | 1 577 | 1 875            | 1 450 | 1 575            | 1 875 | 1 450            | 1 575 | 1 875 | 4.21 |
| 60 x 150 x 1 200 |       | 60 x 150 x 1 200 |       | 60 x 150 x 1 200 |       | 60 x 150 x 1 200 |       | 60 x 150 x 1 200 |       | 60 x 150 x 1 200 |       | 60 x 150 x 1 200 |       | 4.22  |      |
| IV A             |       | IV A             |       | IV A             |       | IV A             |       | IV A             |       | IV A             |       | IV A             |       | 4.23  |      |
| 1 219            |       | 1 219            |       | 1 219            |       | 1 219            |       | 1 219            |       | 1 219            |       | 1 219            |       | 4.24  |      |
| 194              |       | 194              |       | 194              |       | 194              |       | 194              |       | 194              |       | 194              |       | 4.31  |      |
| 194              |       | 237              |       | 237              |       | 237              |       | 237              |       | 237              |       | 237              |       | 4.32  |      |
| 4 341            |       | 4 627            |       | 4 627            |       | 4 667            |       | 4 667            |       | 4 705            |       | 4 705            |       | 4.33  |      |
| 4 541            |       | 4 827            |       | 4 827            |       | 4 867            |       | 4 867            |       | 4 905            |       | 4 905            |       | 4.34  |      |
| 2 619            |       | 2 837            |       | 2 837            |       | 2 877            |       | 2 877            |       | 2 915            |       | 2 915            |       | 4.35  |      |
| 50               |       | 131              |       | 131              |       | 131              |       | 131              |       | 131              |       | 131              |       | 4.3   |      |

| 24,0      | 24,5   | 19,3      | 19,6   | 25,3      | 25,7   | 19,3      | 19,6   | 25,3      | 25,7   | 19,3      | 19,6   | 25,3      | 25,7   | 5.1  |
|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|------|
| 0,45      | 0,49   | 0,45      | 0,49   | 0,45      | 0,49   | 0,45      | 0,49   | 0,45      | 0,49   | 0,45      | 0,49   | 0,45      | 0,49   | 5.2  |
| 0,51      | 0,42   | 0,51      | 0,42   | 0,51      | 0,42   | 0,51      | 0,42   | 0,51      | 0,42   | 0,51      | 0,42   | 0,51      | 0,42   | 5.3  |
| 29 700    | 17 000 | 24 000    | 21 300 | 28 300    | 21 300 | 23 900    | 20 900 | 28 100    | 20 900 | 23 700    | 20 600 | 28 000    | 20 600 | 5.5  |
| 35 400    | 17 000 | 27 500    | 21 300 | 33 400    | 21 300 | 27 300    | 20 900 | 33 200    | 20 900 | 27 200    | 20 600 | 33 100    | 20 600 | 5.6  |
| 19,0      | 27,1   | 15,7      | 31,5   | 17,5      | 31,5   | 14,6      | 26,6   | 16,3      | 26,6   | 13,7      | 27,9   | 15,3      | 27,9   | 5.7  |
| 30,0      | 27,1   | 21,6      | 31,5   | 25,7      | 31,5   | 20,1      | 29,6   | 23,9      | 29,6   | 18,9      | 27,9   | 22,4      | 27,9   | 5.8  |
| Hydraulic |        | Hydraulic |        | Hydraulic |        | Hydraulic |        | Hydraulic |        | Hydraulic |        | Hydraulic |        | 5.10 |

| Kubota 3.6L | Kubota 3.6L | Kubota 3.6L | Kubota 3.6L | Kubota 3.6L | Kubota 3.6L | Kubota 3.6 | 7.1   |      |      |       |     |
|-------------|-------------|-------------|-------------|-------------|-------------|------------|-------|------|------|-------|-----|
| 57          |             | 57          |             | 57          |             | 57         |       | 7.2  |      |       |     |
| 2 400       |             | 2 400       |             | 2 400       |             | 2 400      |       | 7.3  |      |       |     |
| 4           | 3 620       | 4           | 3 620       | 4           | 3 620       | 4          | 3 620 | 7.4  |      |       |     |
| 6,72        |             | 7,22        |             | 7,06        |             | 7,93       |       | 7,55 | 8,63 | 8,02* | 7.5 |

| Automatic | Automatic | Automatic | Automatic | Automatic | Automatic | Automatic | 8.1 |     |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----|-----|
| 155       |           | 155       |           | 155       |           | 155       |     | 8.2 |
| 83,3      |           | 83,3      |           | 83,3      |           | 83,3      |     | 8.3 |
| 80        | 80        | 80        | 80        | 80        | 80        | 80        | 80  | 8.4 |
| 105       |           | 105       |           | 105       |           | 105       |     |     |
| Pin       |           | Pin       |           | Pin       |           | Pin       |     | 8.5 |

The Kubota V3600 Diesel engine is only available in territories with category 1 diesel fuel, which contains sulphur levels of over 500ppm. This engine is not compatible with (<500ppm) or Ultra-Low (<15ppm) sulphur diesel fuel

# Fortens Advance (1-Speed) H4.0-5.5FT

## Fortens Advance (1-speed) H4.0FT, H4.5FT, H5.0FT, H5.5FT

| CHARACTERISTICS |   | H4.0FT5               | H4.5FT5           | H5.0FT5               | H5.5FT5           |
|-----------------|---|-----------------------|-------------------|-----------------------|-------------------|
| 1.1             | Manufacturer  | HYSTER                |                   |                       |                   |
| 1.2             | Model designation                                       | Fortens Advance       |                   |                       |                   |
|                 | Model - Manufacturer designation                        | Fortens Advance       |                   |                       |                   |
|                 | Engine/Transmission                                     | Kubota 3.8L DuraMatch | GM 4.3L DuraMatch | Kubota 3.8L DuraMatch | GM 4.3L DuraMatch |
|                 | Brake Type  | ADS Drum              |                   |                       |                   |
| 1.3             | Power: battery, diesel, LPG, electric mains             | Diesel                | LPG               | Diesel                | LPG               |
| 1.4             | Operation: manual, pedestrian, stand, seat, orderpicker | Seat                  |                   |                       |                   |
| 1.5             | Load capacity   | 4 000                 | 4 000             | 4 000                 | 4 500             |
| 1.6             | Load centre   | 500                   | 500               | 600                   | 600               |
| 1.8             | Load distance   | 522,1                 | 522,1             | 522,1                 | 522,1             |
| 1.9             | Wheelbase   | 1 830                 | 1 830             | 1 830                 | 1 830             |

| WEIGHTS |                                       | H4.0FT5 |       | H4.5FT5 |       | H5.0FT5 |       | H5.5FT5 |       |
|---------|---------------------------------------|---------|-------|---------|-------|---------|-------|---------|-------|
| 2.1     | Unladen weight                        | 6 298   | 6 033 | 6 672   | 6 243 | 6 630   |       |         |       |
| 2.2     | Axle loading with load, front/rear    | 8 849   | 1 077 | 8 464   | 1 198 | 8 910   | 1 390 | 8 999   | 1 243 |
| 2.3     | Axle loading without load, front/rear | 2 923   | 3 375 | 2 603   | 3 429 | 3 003   | 3 669 | 2 561   | 3 682 |

| WHEELS & TYRES |  | H4.0FT5   |  | H4.5FT5   |  | H5.0FT5   |  | H5.5FT5   |  |
|----------------|--|-----------|--|-----------|--|-----------|--|-----------|--|
| 3.1            | Tyres: L=pneumatic, V=solid, SE=pneumatic-shaped solid | SE        |  | SE        |  | SE        |  | SE        |  |
| 3.2            | Tyre size, front                                       | 250 x 15  |  | 250 x 15  |  | 250 x 15  |  | 250 x 15  |  |
| 3.3            | Tyre size, rear  | 7,00 x 12 |  | 7,00 x 12 |  | 7,00 x 12 |  | 7,00 x 12 |  |
| 3.5            | Number of wheels, front/rear (X = driven)              | 2X   2    |  | 2X   2    |  | 2X   2    |  | 2X   2    |  |
| 3.6            | Track width, front                                     | 1 152     |  | 1 152     |  | 1 152     |  | 1 152     |  |
| 3.7            | Track width, rear                                      | 1 136     |  | 1 136     |  | 1 136     |  | 1 136     |  |

| DIMENSIONS |   | H4.0FT5                             |  | H4.5FT5               |  | H5.0FT5               |  | H5.5FT5               |  |
|------------|---|-------------------------------------|--|-----------------------|--|-----------------------|--|-----------------------|--|
| 4.1        | Mast tilt, $\alpha$ = forward/ $\beta$                            | degrees                             |  | 6                     |  | 10                    |  | 6                     |  |
| 4.2        | Height of mast, lowered   | h <sub>1</sub> (mm)                 |  | 2 175                 |  | 2 175                 |  | 2 175                 |  |
| 4.3        | Free lift $\uparrow$  | h <sub>2</sub> (mm)                 |  | 100                   |  | 100                   |  | 100                   |  |
| 4.4        | Lift height $\uparrow$  | h <sub>3</sub> (mm)                 |  | 3 000                 |  | 3 000                 |  | 3 000                 |  |
| 4.5        | Height of mast, extended $\blacklozenge$                          | h <sub>4</sub> (mm)                 |  | 3 815                 |  | 3 815                 |  | 3 815                 |  |
| 4.7        | Overhead guard height $\blacksquare$                              | h <sub>5</sub> (mm)                 |  | 2 258                 |  | 2 258                 |  | 2 258                 |  |
| 4.8        | Seat height $\bigcirc$  | h <sub>6</sub> (mm)                 |  | 1 159                 |  | 1 159                 |  | 1 159                 |  |
| 4.12       | Towing coupling height  | h <sub>10</sub> (mm)                |  | 429                   |  | 429                   |  | 429                   |  |
| 4.19       | Overall length  | l <sub>1</sub> (mm)                 |  | 3 945                 |  | 3 945                 |  | 4 176                 |  |
| 4.20       | Length to face of forks   | l <sub>2</sub> (mm)                 |  | 2 945                 |  | 2 945                 |  | 2 976                 |  |
| 4.21       | Overall width, standard/wide/dual drive                           | b <sub>1</sub> /b <sub>2</sub> (mm) |  | 1 402   1 485   1 773 |  | 1 402   1 485   1 773 |  | 1 402   1 485   1 773 |  |
| 4.22       | Fork dimensions   | s/e/l (mm)                          |  | 50 x 120 x 1 000      |  | 50 x 120 x 1 000      |  | 50 x 120 x 1 200      |  |
| 4.23       | Fork carriage DIN 15173. Class, A/B                               | III A                               |  | III A                 |  | III A                 |  | IV A                  |  |
| 4.24       | Fork carriage width $\bullet$                                     | b <sub>3</sub> (mm)                 |  | 1 219                 |  | 1 219                 |  | 1 219                 |  |
| 4.31       | Ground clearance under mast, with load                            | m <sub>1</sub> (mm)                 |  | 151                   |  | 150                   |  | 150                   |  |
| 4.32       | Ground clearance, centre of wheelbase                             | m <sub>2</sub> (mm)                 |  | 194                   |  | 194                   |  | 194                   |  |
| 4.33       | Aisle width with pallets 1 000 mm x 1 200 mm wide $\blacklozenge$ | Ast (mm)                            |  | 4 292                 |  | 4 292                 |  | 4 321                 |  |
| 4.34       | Aisle width with pallets 800 mm x 1 200 mm long $\blacklozenge$   | Ast (mm)                            |  | 4 492                 |  | 4 492                 |  | 4 521                 |  |
| 4.35       | Outer turning radius  | W <sub>1</sub> (mm)                 |  | 2 570                 |  | 2 570                 |  | 2 599                 |  |
| 4.36       | Inner turning radius  | b <sub>11</sub> (mm)                |  | 50                    |  | 50                    |  | 50                    |  |

| PERFORMANCE |  | H4.0FT5   |        | H4.5FT5   |        | H5.0FT5   |        | H5.5FT5   |        |
|-------------|--|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| 5.1         | Travel speed with/without load                               | 19,3      | 19,8   | 18,7      | 19,5   | 19,3      | 19,8   | 18,7      | 19,5   |
| 5.2         | Lifting speed with/without load                              | 0,62      | 0,63   | 0,61      | 0,63   | 0,62      | 0,63   | 0,61      | 0,63   |
| 5.3         | Lowering speed with/without load                             | 0,55      | 0,47   | 0,55      | 0,47   | 0,55      | 0,47   | 0,55      | 0,47   |
| 5.5         | Drawbar pull with/without load @ 1,6 km/h                    | 24 400    | 17 500 | 24 400    | 17 500 | 24 400    | 18 000 | 24 400    | 18 000 |
| 5.6         | Maximum drawbar pull with/without load                       | 27 500    | 17 500 | 27 600    | 16 800 | 27 400    | 18 000 | 27 500    | 16 500 |
| 5.7         | Gradeability with/without load @ 4,8 km/h $\uparrow$         | 19,7      | 29,6   | 20,9      | 29,6   | 18,5      | 28,7   | 19,5      | 28,1   |
| 5.8         | Maximum gradeability with/without load @ 1,6 km/h $\uparrow$ | 26,4      | 29,6   | 27,1      | 29,6   | 24,8      | 28,7   | 25,4      | 28,1   |
| 5.10        | Service brake  | Hydraulic |        | Hydraulic |        | Hydraulic |        | Hydraulic |        |

| ENGINE |   | H4.0FT5     |  | H4.5FT5   |  | H5.0FT5     |  | H5.5FT5   |  |
|--------|---|-------------|--|-----------|--|-------------|--|-----------|--|
| 7.1    | Engine manufacturer/Type $\blacklozenge$      | Kubota 3.8L |  | GM 4.3L   |  | Kubota 3.8L |  | GM 4.3L   |  |
| 7.2    | Engine output, in accordance with ISO1585     | 55          |  | 77        |  | 55          |  | 77        |  |
| 7.3    | Governed speed                                | 2 200       |  | 2 400     |  | 2 200       |  | 2 400     |  |
| 7.4    | Number of cylinders/displacements             | 4   3 769   |  | 6   4 302 |  | 4   3 769   |  | 6   4 302 |  |
| 7.5    | Fuel consumption in accordance with VDI cycle | 4,01        |  | 4,96      |  | 4,08        |  | 5,02      |  |

| OTHER |   | H4.0FT5   |    | H4.5FT5   |    | H5.0FT5   |    | H5.5FT5   |    |
|-------|---|-----------|----|-----------|----|-----------|----|-----------|----|
| 8.1   | Drive control   | Automatic |    | Automatic |    | Automatic |    | Automatic |    |
| 8.2   | Working pressure for attachments                          | 155       |    | 155       |    | 155       |    | 155       |    |
| 8.3   | Oil flow for attachments                                  | 83,3      |    | 83,3      |    | 83,3      |    | 83,3      |    |
| 8.4   | Average noise level at operator's ear no cab/cab (Lpaz) * | 79        | 79 | 82        | 80 | 79        | 79 | 82        | 80 |
|       | Guaranteed sound power 2001/14/EC (Lwaz)                  | 104       |    | 105       |    | 104       |    | 105       |    |
| 8.5   | Towing coupling type                                      | Pin       |    | Pin       |    | Pin       |    | Pin       |    |

Specification data is based on VDI 2198

### Equipment and weight:

Weights (line 2.1) are based on the following specifications:

Complete truck with 3 050 mm (H4.0FT), 2 800 mm (H4.5-5.5FT) 2-stage limited free lift mast, standard carriage, 1 000 mm (H4.0FT) / 1 200 mm (H4.5-5.5FT) forks, e-hydraulics, overhead guard and standard pneumatic shaped solid drive and steer tyres.

| <b>HYSTER</b>        | <b>HYSTER</b>            | <b>HYSTER</b>        | <b>HYSTER</b>            | <b>HYSTER</b>        | <b>HYSTER</b>            | <b>HYSTER</b>        |     |
|----------------------|--------------------------|----------------------|--------------------------|----------------------|--------------------------|----------------------|-----|
| H4.5FTS5             | H4.5FT6                  | H4.5FT6              | H5.0FT                   | H5.0FT               | H5.5FT                   | H5.5FT               | 1.1 |
| Fortens Advance      | Fortens Advance          | Fortens Advance      | Fortens Advance          | Fortens Advance      | Fortens Advance          | Fortens Advance      | 1.2 |
| GM 4.3L<br>DuraMatch | Kubota 3.8L<br>DuraMatch | GM 4.3L<br>DuraMatch | Kubota 3.8L<br>DuraMatch | GM 4.3L<br>DuraMatch | Kubota 3.8L<br>DuraMatch | GM 4.3L<br>DuraMatch |     |
| ADS Drum             | Wet Brakes               | Wet Brakes           | Wet Brakes               | Wet Brakes           | Wet Brakes               | Wet Brakes           |     |
| LPG                  | Diesel                   | LPG                  | Diesel                   | LPG                  | Diesel                   | LPG                  | 1.3 |
| Seat                 | Seat                     | Seat                 | Seat                     | Seat                 | Seat                     | Seat                 | 1.4 |
| 4 500                | 4 500                    | 4 500                | 5 000                    | 5 000                | 5 500                    | 5 500                | 1.5 |
| 500                  | 600                      | 600                  | 600                      | 600                  | 600                      | 600                  | 1.6 |
| 522,1                | 590                      | 590                  | 590                      | 590                  | 590                      | 590                  | 1.8 |
| 1 830                | 2 100                    | 2 100                | 2 100                    | 2 100                | 2 100                    | 2 100                | 1.9 |

CHARACTERISTICS

|       |       |        |       |        |       |        |       |
|-------|-------|--------|-------|--------|-------|--------|-------|
| 6 368 | 7 224 | 6 939  | 7 523 | 7 244  | 7 808 | 7 529  | 2.1   |
| 9 095 | 1 356 | 10 596 | 1 164 | 10 265 | 1 210 | 11 241 | 1 272 |
| 2 526 | 3 842 | 3 473  | 3 751 | 3 152  | 3 787 | 3 406  | 4 117 |
|       |       |        |       | 3 089  | 4 155 | 3 335  | 4 474 |
|       |       |        |       |        |       | 11 882 | 1 370 |
|       |       |        |       |        |       | 11 555 | 1 417 |
|       |       |        |       |        |       | 3 016  | 4 513 |
|       |       |        |       |        |       |        | 2.2   |
|       |       |        |       |        |       |        | 2.3   |

WEIGHTS

| SE        | SE          | SE          | SE          | SE          | SE          | SE          | 3.1 |
|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-----|
| 250 x 15  | 300 x 15    | 300 x 15    | 300 x 15    | 300 x 15    | 300 x 15    | 300 x 15    | 3.2 |
| 7,00 x 12 | 28 x 9 - 15 | 28 x 9 - 15 | 28 x 9 - 15 | 28 x 9 - 15 | 28 x 9 - 15 | 28 x 9 - 15 | 3.3 |
| 2X   2    | 2X   2      | 2X   2      | 2X   2      | 2X   2      | 2X   2      | 2X   2      | 3.5 |
| 1 152     | 1 150       | 1 150       | 1 150       | 1 150       | 1 150       | 1 150       | 3.6 |
| 1 136     | 1 136       | 1 136       | 1 136       | 1 136       | 1 136       | 1 136       | 3.7 |

WHEELS & TYRES

|                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |       |      |
|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-------|------|
| 6                | 10               | 6                | 10               | 6                | 10               | 6                | 10               | 6                | 10               | 6                | 10               | 6                | 10               | 4.1   |      |
| 2 215            | 2 215            | 2 215            | 2 215            | 2 215            | 2 215            | 2 215            | 2 215            | 2 215            | 2 215            | 2 215            | 2 215            | 2 215            | 2 215            | 4.2   |      |
| 100              | 100              | 100              | 100              | 100              | 100              | 100              | 100              | 100              | 100              | 100              | 100              | 100              | 100              | 4.3   |      |
| 2 740            | 2 740            | 2 740            | 2 740            | 2 740            | 2 740            | 2 740            | 2 740            | 2 740            | 2 740            | 2 740            | 2 740            | 2 740            | 2 740            | 4.4   |      |
| 3 730            | 3 730            | 3 730            | 3 730            | 3 730            | 3 730            | 3 730            | 3 730            | 3 730            | 3 730            | 3 730            | 3 730            | 3 730            | 3 730            | 4.5   |      |
| 2 258            | 2 300            | 2 300            | 2 300            | 2 300            | 2 300            | 2 300            | 2 300            | 2 300            | 2 300            | 2 300            | 2 300            | 2 300            | 2 300            | 4.7   |      |
| 1 159            | 1 201            | 1 201            | 1 201            | 1 201            | 1 201            | 1 201            | 1 201            | 1 201            | 1 201            | 1 201            | 1 201            | 1 201            | 1 201            | 4.8   |      |
| 429              | 472              | 472              | 472              | 472              | 472              | 472              | 472              | 472              | 472              | 472              | 472              | 472              | 472              | 4.12  |      |
| 4 197            | 4 456            | 4 456            | 4 499            | 4 499            | 4 499            | 4 499            | 4 540            | 4 540            | 4 540            | 4 540            | 4 540            | 4 540            | 4 540            | 4.19  |      |
| 2 997            | 3 256            | 3 256            | 3 299            | 3 299            | 3 299            | 3 299            | 3 340            | 3 340            | 3 340            | 3 340            | 3 340            | 3 340            | 3 340            | 4.20  |      |
| 1 402            | 1 485            | 1 485            | 1 450            | 1 575            | 1 875            | 1 450            | 1 575            | 1 875            | 1 450            | 1 575            | 1 875            | 1 450            | 1 575            | 1 875 | 4.21 |
| 60 x 150 x 1 200 | 60 x 150 x 1 200 | 60 x 150 x 1 200 | 60 x 150 x 1 200 | 60 x 150 x 1 200 | 60 x 150 x 1 200 | 60 x 150 x 1 200 | 60 x 150 x 1 200 | 60 x 150 x 1 200 | 60 x 150 x 1 200 | 60 x 150 x 1 200 | 60 x 150 x 1 200 | 60 x 150 x 1 200 | 60 x 150 x 1 200 | 4.22  |      |
| IV A             | IV A             | IV A             | IV A             | IV A             | IV A             | IV A             | IV A             | IV A             | IV A             | IV A             | IV A             | IV A             | IV A             | 4.23  |      |
| 1 219            | 1 219            | 1 219            | 1 219            | 1 219            | 1 219            | 1 219            | 1 219            | 1 219            | 1 219            | 1 219            | 1 219            | 1 219            | 1 219            | 4.24  |      |
| 194              | 194              | 194              | 194              | 194              | 194              | 194              | 194              | 194              | 194              | 194              | 194              | 194              | 194              | 4.31  |      |
| 194              | 237              | 237              | 237              | 237              | 237              | 237              | 237              | 237              | 237              | 237              | 237              | 237              | 237              | 4.32  |      |
| 4 341            | 4 627            | 4 627            | 4 667            | 4 667            | 4 667            | 4 667            | 4 705            | 4 705            | 4 705            | 4 705            | 4 705            | 4 705            | 4 705            | 4.33  |      |
| 4 541            | 4 827            | 4 827            | 4 867            | 4 867            | 4 867            | 4 867            | 4 905            | 4 905            | 4 905            | 4 905            | 4 905            | 4 905            | 4 905            | 4.34  |      |
| 2 619            | 2 837            | 2 837            | 2 877            | 2 877            | 2 877            | 2 877            | 2 915            | 2 915            | 2 915            | 2 915            | 2 915            | 2 915            | 2 915            | 4.35  |      |
| 50               | 131              | 131              | 131              | 131              | 131              | 131              | 131              | 131              | 131              | 131              | 131              | 131              | 131              | 4.36  |      |

DIMENSIONS

|           |           |           |           |           |           |           |           |           |           |           |           |           |           |      |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------|
| 18,7      | 19,5      | 18,1      | 18,4      | 18,2      | 18,5      | 18,1      | 18,4      | 18,2      | 18,5      | 18,1      | 18,4      | 18,2      | 18,5      | 5.1  |
| 0,48      | 0,49      | 0,45      | 0,46      | 0,48      | 0,49      | 0,45      | 0,46      | 0,48      | 0,49      | 0,45      | 0,46      | 0,48      | 0,49      | 5.2  |
| 0,51      | 0,42      | 0,51      | 0,42      | 0,51      | 0,42      | 0,51      | 0,42      | 0,51      | 0,42      | 0,51      | 0,42      | 0,51      | 0,42      | 5.3  |
| 24 300    | 17 000    | 25 700    | 21 300    | 24 500    | 21 300    | 25 600    | 20 900    | 24 400    | 20 900    | 25 500    | 20 600    | 24 200    | 20 600    | 5.5  |
| 27 500    | 16 300    | 29 200    | 21 300    | 28 100    | 20 200    | 29 100    | 20 900    | 28 000    | 20 000    | 29 000    | 20 600    | 28 000    | 19 700    | 5.6  |
| 19,0      | 27,1      | 17,1      | 31,5      | 17,5      | 31,1      | 15,9      | 26,6      | 16,3      | 29,4      | 14,9      | 27,9      | 16,5      | 27,7      | 5.7  |
| 24,8      | 27,1      | 23,3      | 31,5      | 22,9      | 31,1      | 21,7      | 29,6      | 21,3      | 29,4      | 20,3      | 27,9      | 21,7      | 27,7      | 5.8  |
| Hydraulic | Hydraulic | Hydraulic | Hydraulic | Hydraulic | Hydraulic | Hydraulic | Hydraulic | Hydraulic | Hydraulic | Hydraulic | Hydraulic | Hydraulic | Hydraulic | 5.10 |

PERFORMANCE

|           |             |           |             |           |             |           |     |
|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-----|
| GM 4.3L   | Kubota 3.8L | GM 4.3L   | Kubota 3.8L | GM 4.3L   | Kubota 3.8L | GM 4.3L   | 7.1 |
| 77        | 55          | 77        | 55          | 77        | 55          | 77        | 7.2 |
| 2 400     | 2 200       | 2 400     | 2 200       | 2 400     | 2 200       | 2 400     | 7.3 |
| 6   4 302 | 4   3 769   | 6   4 302 | 4   3 769   | 6   4 302 | 4   3 769   | 6   4 302 | 7.4 |
| 5,25      | 5,21        | 5,33      | 5,90        | 5,54      | 6,56        | 5,76      | 7.5 |

ENGINE

|           |           |           |           |           |           |           |     |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----|
| Automatic | Automatic | Automatic | Automatic | Automatic | Automatic | Automatic | 8.1 |
| 155       | 155       | 155       | 155       | 155       | 155       | 155       | 8.2 |
| 83,3      | 83,3      | 83,3      | 83,3      | 83,3      | 83,3      | 83,3      | 8.3 |
| 82   80   | 79   79   | 82   80   | 79   79   | 82   80   | 79   79   | 82   80   | 8.4 |
| 105       | 104       | 105       | 104       | 105       | 104       | 105       |     |
| Pin       | Pin       | Pin       | Pin       | Pin       | Pin       | Pin       | 8.5 |

OTHER

# Fortens Advance (2-Speed) H4.0-5.5FT

## Fortens Advance (2-speed) H4.0FT, H4.5FT, H5.0FT, H5.5FT

|                 |           |   |        |
|-----------------|-----------|---|--------|
| CHARACTERISTICS | 1.1       | Manufacturer  |        |
|                 | 1.2       | Model designation                                       |        |
|                 |           | Model - Manufacturer designation                        |        |
|                 |           | Engine/Transmission                                     |        |
|                 |           | Brake Type  |        |
|                 | 1.3       | Power: battery, diesel, LPG, electric mains             |        |
|                 | 1.4       | Operation: manual, pedestrian, stand, seat, orderpicker |        |
|                 | 1.5       | Load capacity   | Q (kg) |
|                 | 1.6       | Load centre   | c (mm) |
|                 | 1.8       | Load distance   | x (mm) |
| 1.9             | Wheelbase | y (mm)  |        |

| HYSTER                 |  | HYSTER                 |  | HYSTER                 |  | HYSTER                 |  | HYSTER                 |  |
|------------------------|--|------------------------|--|------------------------|--|------------------------|--|------------------------|--|
| H4.0FT5                |  | H4.0FT5                |  | H4.0FT6                |  | H4.0FT6                |  | H4.5FT5                |  |
| Fortens Advance        |  | Fortens Advance        |  | Fortens Advance        |  | Fortens Advance        |  | Fortens Advance        |  |
| Kubota 3.8L            |  | GM 4.3L                |  | Kubota 3.8L            |  | GM 4.3L                |  | Kubota 3.8L            |  |
| DuraMatch 2            |  | DuraMatch 2            |  | DuraMatch 2            |  | DuraMatch 2            |  | DuraMatch 2            |  |
| ADS Drum or Wet Brakes |  | ADS Drum or Wet Brakes |  | ADS Drum or Wet Brakes |  | ADS Drum or Wet Brakes |  | ADS Drum or Wet Brakes |  |
| Diesel                 |  | LPG                    |  | Diesel                 |  | LPG                    |  | Diesel                 |  |
| Seat                   |  | Seat                   |  | Seat                   |  | Seat                   |  | Seat                   |  |
| 4 000                  |  | 4 000                  |  | 4 000                  |  | 4 000                  |  | 4 500                  |  |
| 500                    |  | 500                    |  | 600                    |  | 600                    |  | 500                    |  |
| 522,1                  |  | 522,1                  |  | 522,1                  |  | 522,1                  |  | 522,1                  |  |
| 1 830                  |  | 1 830                  |  | 1 830                  |  | 1 830                  |  | 1 830                  |  |

|         |     |                                       |    |
|---------|-----|---------------------------------------|----|
| WEIGHTS | 2.1 | Unladen weight                        | kg |
|         | 2.2 | Axle loading with load, front/rear    | kg |
|         | 2.3 | Axle loading without load, front/rear | kg |

|       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 6 298 |       | 6 033 |       | 6 672 |       | 6 243 |       | 6 630 |       |
| 8 849 | 1 077 | 8 464 | 1 198 | 8 910 | 1 390 | 8 999 | 1 243 | 9 496 | 1 216 |
| 2 923 | 3 375 | 2 603 | 3 429 | 3 003 | 3 669 | 2 561 | 3 682 | 2 829 | 3 801 |

|                |     |  |                     |
|----------------|-----|--|---------------------|
| WHEELS & TYRES | 3.1 | Tyres: L=pneumatic, V=solid, SE=pneumatic-shaped solid |                     |
|                | 3.2 | Tyre size, front                                       |                     |
|                | 3.3 | Tyre size, rear  |                     |
|                | 3.5 | Number of wheels, front/rear (X = driven)              |                     |
|                | 3.6 | Track width, front                                     | b <sub>0</sub> (mm) |
|                | 3.7 | Track width, rear                                      | b <sub>1</sub> (mm) |

|           |   |           |   |           |   |           |   |           |   |
|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|
| SE        |   | SE        |   | SE        |   | SE        |   | SE        |   |
| 250 x 15  |   | 250 x 15  |   | 250 x 15  |   | 250 x 15  |   | 250 x 15  |   |
| 7,00 x 12 |   | 7,00 x 12 |   | 7,00 x 12 |   | 7,00 x 12 |   | 7,00 x 12 |   |
| 2X        | 2 | 2X        | 2 | 2X        | 2 | 2X        | 2 | 2X        | 2 |
| 1 152     |   | 1 152     |   | 1 152     |   | 1 152     |   | 1 152     |   |
| 1 136     |   | 1 136     |   | 1 136     |   | 1 136     |   | 1 136     |   |

|            |      |   |                                     |
|------------|------|---|-------------------------------------|
| DIMENSIONS | 4.1  | Mast tilt, α = forward/β                            | degrees                             |
|            | 4.2  | Height of mast, lowered                             | h <sub>1</sub> (mm)                 |
|            | 4.3  | Free lift ↑   | h <sub>2</sub> (mm)                 |
|            | 4.4  | Lift height ↑                                       | h <sub>3</sub> (mm)                 |
|            | 4.5  | Height of mast, extended ♦                          | h <sub>4</sub> (mm)                 |
|            | 4.7  | Overhead guard height ■                             | h <sub>6</sub> (mm)                 |
|            | 4.8  | Seat height ○                                       | h <sub>7</sub> (mm)                 |
|            | 4.12 | Towing coupling height                              | h <sub>10</sub> (mm)                |
|            | 4.19 | Overall length                                      | l <sub>1</sub> (mm)                 |
|            | 4.20 | Length to face of forks                             | l <sub>2</sub> (mm)                 |
|            | 4.21 | Overall width, standard/wide/dual drive             | b <sub>1</sub> /b <sub>2</sub> (mm) |
|            | 4.22 | Fork dimensions                                     | s/e/l (mm)                          |
|            | 4.23 | Fork carriage DIN 15173. Class, A/B                 |                                     |
|            | 4.24 | Fork carriage width ●                               | m <sub>3</sub> (mm)                 |
|            | 4.31 | Ground clearance under mast, with load              | n <sub>1</sub> (mm)                 |
|            | 4.32 | Ground clearance, centre of wheelbase               | m <sub>2</sub> (mm)                 |
|            | 4.33 | Aisle width with pallets 1 000 mm x 1 200 mm wide ♦ | Ast (mm)                            |
|            | 4.34 | Aisle width with pallets 800 mm x 1 200 mm long ♦   | Ast (mm)                            |
|            | 4.35 | Outer turning radius                                | W <sub>1</sub> (mm)                 |
|            | 4.36 | Inner turning radius                                | b <sub>11</sub> (mm)                |

|                  |       |                  |       |                  |       |                  |       |                  |       |       |       |
|------------------|-------|------------------|-------|------------------|-------|------------------|-------|------------------|-------|-------|-------|
| 6                | 10    | 6                | 10    | 6                | 10    | 6                | 10    | 6                | 10    |       |       |
| 2 175            |       | 2 175            |       | 2 175            |       | 2 175            |       | 2 215            |       |       |       |
| 100              |       | 100              |       | 100              |       | 100              |       | 100              |       |       |       |
| 3 000            |       | 3 000            |       | 3 000            |       | 3 000            |       | 2 740            |       |       |       |
| 3 815            |       | 3 815            |       | 3 815            |       | 3 815            |       | 3 730            |       |       |       |
| 2 258            |       | 2 258            |       | 2 258            |       | 2 258            |       | 2 258            |       |       |       |
| 1 159            |       | 1 159            |       | 1 159            |       | 1 159            |       | 1 159            |       |       |       |
| 429              |       | 429              |       | 429              |       | 429              |       | 429              |       |       |       |
| 3 945            |       | 3 945            |       | 4 176            |       | 4 176            |       | 4 197            |       |       |       |
| 2 945            |       | 2 945            |       | 2 976            |       | 2 976            |       | 2 997            |       |       |       |
| 1 402            | 1 485 | 1 773            | 1 402 | 1 485            | 1 773 | 1 402            | 1 485 | 1 773            | 1 402 | 1 485 | 1 773 |
| 50 x 120 x 1 000 |       | 50 x 120 x 1 000 |       | 50 x 120 x 1 200 |       | 50 x 120 x 1 200 |       | 60 x 150 x 1 200 |       |       |       |
| III A            |       | III A            |       | III A            |       | III A            |       | IV A             |       |       |       |
| 1 219            |       | 1 219            |       | 1 219            |       | 1 219            |       | 1 219            |       |       |       |
| 151              |       | 151              |       | 150              |       | 150              |       | 194              |       |       |       |
| 194              |       | 194              |       | 194              |       | 194              |       | 194              |       |       |       |
| 4 292            |       | 4 292            |       | 4 321            |       | 4 321            |       | 4 341            |       |       |       |
| 4 492            |       | 4 492            |       | 4 521            |       | 4 521            |       | 4 541            |       |       |       |
| 2 570            |       | 2 570            |       | 2 599            |       | 2 599            |       | 2 619            |       |       |       |
| 50               |       | 50               |       | 50               |       | 50               |       | 50               |       |       |       |

|             |      |   |       |
|-------------|------|---|-------|
| PERFORMANCE | 5.1  | Travel speed with/without load                      | km/h  |
|             | 5.2  | Lifting speed with/without load                     | m/sec |
|             | 5.3  | Lowering speed with/without load                    | m/sec |
|             | 5.5  | Drawbar pull with/without load @ 1,6 km/h           | N     |
|             | 5.6  | Maximum drawbar pull with/without load              | N     |
|             | 5.7  | Gradeability with/without load @ 4,8 km/h †         | %     |
|             | 5.8  | Maximum gradeability with/without load @ 1,6 km/h † | %     |
|             | 5.10 | Service brake                                       |       |

|           |        |           |        |           |        |           |        |           |        |
|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| 22,4      | 22,9   | 23,3      | 24,4   | 22,4      | 22,9   | 23,3      | 24,4   | 22,4      | 22,9   |
| 0,62      | 0,63   | 0,61      | 0,63   | 0,62      | 0,63   | 0,61      | 0,63   | 0,45      | 0,46   |
| 0,55      | 0,47   | 0,55      | 0,47   | 0,55      | 0,47   | 0,55      | 0,47   | 0,51      | 0,42   |
| 32 000    | 17 500 | 29 000    | 17 500 | 31 900    | 18 000 | 28 900    | 18 000 | 31 900    | 17 000 |
| 37 800    | 17 500 | 33 500    | 16 800 | 37 700    | 18 000 | 33 400    | 16 500 | 37 700    | 17 000 |
| 23,8      | 29,6   | 23,4      | 29,6   | 22,4      | 28,7   | 21,8      | 28,1   | 21,8      | 27,1   |
| 35,5      | 29,6   | 32,7      | 29,6   | 33,3      | 28,7   | 30,5      | 28,1   | 32,4      | 27,1   |
| Hydraulic |        | Hydraulic |        | Hydraulic |        | Hydraulic |        | Hydraulic |        |

|        |     |   |                         |
|--------|-----|---|-------------------------|
| ENGINE | 7.1 | Engine manufacturer/Type ♦                    |                         |
|        | 7.2 | Engine output, in accordance with ISO1585     | kW                      |
|        | 7.3 | Governed speed                                | rpm                     |
|        | 7.4 | Number of cylinders/displacements             | cm <sup>3</sup>         |
|        | 7.5 | Fuel consumption in accordance with VDI cycle | l/h (DSL) or kg/h (LPG) |

|             |       |         |       |             |       |         |       |             |       |
|-------------|-------|---------|-------|-------------|-------|---------|-------|-------------|-------|
| Kubota 3.8L |       | GM 4.3L |       | Kubota 3.8L |       | GM 4.3L |       | Kubota 3.8L |       |
| 55          |       | 77      |       | 55          |       | 77      |       | 55          |       |
| 2 200       |       | 2 400   |       | 2 200       |       | 2 400   |       | 2 200       |       |
| 4           | 3 769 | 6       | 4 302 | 4           | 3 769 | 6       | 4 302 | 4           | 3 769 |
| 4,18        |       | 5,2     |       | 4,23        |       | 5,2     |       | 4,73        |       |

|       |                      |   |        |
|-------|----------------------|---|--------|
| OTHER | 8.1                  | Drive control   |        |
|       | 8.2                  | Working pressure for attachments                          | bar    |
|       | 8.3                  | Oil flow for attachments                                  | l/min  |
|       | 8.4                  | Average noise level at operator's ear no cab/cab (Lpaz) * | dB (A) |
|       | 8.5                  | Guaranteed sound power 2001/14/EC (Lwaz)                  | dB     |
|       | Towing coupling type |   |        |

|           |    |           |    |           |    |           |    |           |    |
|-----------|----|-----------|----|-----------|----|-----------|----|-----------|----|
| Automatic |    | Automatic |    | Automatic |    | Automatic |    | Automatic |    |
| 155       |    | 155       |    | 155       |    | 155       |    | 155       |    |
| 83,3      |    | 83,3      |    | 83,3      |    | 83,3      |    | 83,3      |    |
| 79        | 79 | 82        | 80 | 79        | 79 | 82        | 80 | 79        | 79 |
| 104       |    | 105       |    | 104       |    | 105       |    | 104       |    |
| Pin       |    | Pin       |    | Pin       |    | Pin       |    | Pin       |    |

Specification data is based on VDI 2198

### Equipment and weight:

Weights (line 2.1) are based on the following specifications:

Complete truck with 3 050 mm (H4.0FT), 2 800 mm (H4.5-5.5FT) 2-stage limited free lift mast, standard carriage, 1 000 mm (H4.0FT) / 1 200 mm (H4.5-5.5FT) forks, e-hydraulics, overhead guard and standard pneumatic shaped solid drive and steer tyres.

| <b>HYSTER</b>          | <b>HYSTER</b>              | <b>HYSTER</b>          | <b>HYSTER</b>              | <b>HYSTER</b>          | <b>HYSTER</b>              | <b>HYSTER</b>          |     |
|------------------------|----------------------------|------------------------|----------------------------|------------------------|----------------------------|------------------------|-----|
| H4.5FTS5               | H4.5FT6                    | H4.5FT6                | H5.0FT                     | H5.0FT                 | H5.5FT                     | H5.5FT                 | 1.1 |
| Fortens Advance        | Fortens Advance            | Fortens Advance        | Fortens Advance            | Fortens Advance        | Fortens Advance            | Fortens Advance        | 1.2 |
| GM 4.3L<br>DuraMatch 2 | Kubota 3.8L<br>DuraMatch 2 | GM 4.3L<br>DuraMatch 2 | Kubota 3.8L<br>DuraMatch 2 | GM 4.3L<br>DuraMatch 2 | Kubota 3.8L<br>DuraMatch 2 | GM 4.3L<br>DuraMatch 2 |     |
| ADS Drum or Wet Brakes | Wet Brakes                 | Wet Brakes             | Wet Brakes                 | Wet Brakes             | Wet Brakes                 | Wet Brakes             |     |
| LPG                    | Diesel                     | LPG                    | Diesel                     | LPG                    | Diesel                     | LPG                    | 1.3 |
| Seat                   | Seat                       | Seat                   | Seat                       | Seat                   | Seat                       | Seat                   | 1.4 |
| 4 500                  | 4 500                      | 4 500                  | 5 000                      | 5 000                  | 5 500                      | 5 500                  | 1.5 |
| 500                    | 600                        | 600                    | 600                        | 600                    | 600                        | 600                    | 1.6 |
| 522,1                  | 590                        | 590                    | 590                        | 590                    | 590                        | 590                    | 1.8 |
| 1 830                  | 2 100                      | 2 100                  | 2 100                      | 2 100                  | 2 100                      | 2 100                  | 1.9 |

CHARACTERISTICS

|       |       |        |       |        |       |        |       |
|-------|-------|--------|-------|--------|-------|--------|-------|
| 6 368 | 7 224 | 6 939  | 7 523 | 7 244  | 7 808 | 7 529  | 2.1   |
| 9 095 | 1 356 | 10 596 | 1 164 | 10 265 | 1 210 | 11 241 | 1 272 |
| 2 526 | 3 842 | 3 473  | 3 751 | 3 152  | 3 787 | 3 406  | 4 117 |
|       |       |        |       |        |       | 10 913 | 1 320 |
|       |       |        |       |        |       | 3 089  | 4 155 |
|       |       |        |       |        |       | 11 882 | 1 370 |
|       |       |        |       |        |       | 3 335  | 4 474 |
|       |       |        |       |        |       | 11 555 | 1 417 |
|       |       |        |       |        |       | 3 016  | 4 513 |
|       |       |        |       |        |       |        | 2.3   |

WEIGHTS

| SE        | SE          | SE          | SE          | SE          | SE          | SE          | 3.1 |
|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-----|
| 250 x 15  | 300 x 15    | 300 x 15    | 300 x 15    | 300 x 15    | 300 x 15    | 300 x 15    | 3.2 |
| 7,00 x 12 | 28 x 9 - 15 | 28 x 9 - 15 | 28 x 9 - 15 | 28 x 9 - 15 | 28 x 9 - 15 | 28 x 9 - 15 | 3.3 |
| 2X   2    | 2X   2      | 2X   2      | 2X   2      | 2X   2      | 2X   2      | 2X   2      | 3.5 |
| 1 152     | 1 150       | 1 150       | 1 150       | 1 150       | 1 150       | 1 150       | 3.6 |
| 1 136     | 1 136       | 1 136       | 1 136       | 1 136       | 1 136       | 1 136       | 3.7 |

WHEELS & TYRES

|                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |       |      |
|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-------|------|
| 6                | 10               | 6                | 10               | 6                | 10               | 6                | 10               | 6                | 10               | 6                | 10               | 6                | 10               | 4.1   |      |
| 2 215            | 2 215            | 2 215            | 2 215            | 2 215            | 2 215            | 2 215            | 2 215            | 2 215            | 2 215            | 2 215            | 2 215            | 2 215            | 2 215            | 4.2   |      |
| 100              | 100              | 100              | 100              | 100              | 100              | 100              | 100              | 100              | 100              | 100              | 100              | 100              | 100              | 4.3   |      |
| 2 740            | 2 740            | 2 740            | 2 740            | 2 740            | 2 740            | 2 740            | 2 740            | 2 740            | 2 740            | 2 740            | 2 740            | 2 740            | 2 740            | 4.4   |      |
| 3 730            | 3 730            | 3 730            | 3 730            | 3 730            | 3 730            | 3 730            | 3 730            | 3 730            | 3 730            | 3 730            | 3 730            | 3 730            | 3 730            | 4.5   |      |
| 2 258            | 2 300            | 2 300            | 2 300            | 2 300            | 2 300            | 2 300            | 2 300            | 2 300            | 2 300            | 2 300            | 2 300            | 2 300            | 2 300            | 4.7   |      |
| 1 159            | 1 201            | 1 201            | 1 201            | 1 201            | 1 201            | 1 201            | 1 201            | 1 201            | 1 201            | 1 201            | 1 201            | 1 201            | 1 201            | 4.8   |      |
| 429              | 472              | 472              | 472              | 472              | 472              | 472              | 472              | 472              | 472              | 472              | 472              | 472              | 472              | 4.12  |      |
| 4 197            | 4 456            | 4 456            | 4 499            | 4 499            | 4 499            | 4 499            | 4 540            | 4 540            | 4 540            | 4 540            | 4 540            | 4 540            | 4 540            | 4.19  |      |
| 2 997            | 3 256            | 3 256            | 3 299            | 3 299            | 3 299            | 3 299            | 3 340            | 3 340            | 3 340            | 3 340            | 3 340            | 3 340            | 3 340            | 4.20  |      |
| 1 402            | 1 485            | 1 485            | 1 450            | 1 575            | 1 875            | 1 450            | 1 575            | 1 875            | 1 450            | 1 575            | 1 875            | 1 450            | 1 575            | 1 875 | 4.21 |
| 60 x 150 x 1 200 | 60 x 150 x 1 200 | 60 x 150 x 1 200 | 60 x 150 x 1 200 | 60 x 150 x 1 200 | 60 x 150 x 1 200 | 60 x 150 x 1 200 | 60 x 150 x 1 200 | 60 x 150 x 1 200 | 60 x 150 x 1 200 | 60 x 150 x 1 200 | 60 x 150 x 1 200 | 60 x 150 x 1 200 | 60 x 150 x 1 200 | 4.22  |      |
| IV A             | IV A             | IV A             | IV A             | IV A             | IV A             | IV A             | IV A             | IV A             | IV A             | IV A             | IV A             | IV A             | IV A             | 4.23  |      |
| 1 219            | 1 219            | 1 219            | 1 219            | 1 219            | 1 219            | 1 219            | 1 219            | 1 219            | 1 219            | 1 219            | 1 219            | 1 219            | 1 219            | 4.24  |      |
| 194              | 194              | 194              | 194              | 194              | 194              | 194              | 194              | 194              | 194              | 194              | 194              | 194              | 194              | 4.31  |      |
| 194              | 237              | 237              | 237              | 237              | 237              | 237              | 237              | 237              | 237              | 237              | 237              | 237              | 237              | 4.32  |      |
| 4 341            | 4 627            | 4 627            | 4 667            | 4 667            | 4 667            | 4 667            | 4 705            | 4 705            | 4 705            | 4 705            | 4 705            | 4 705            | 4 705            | 4.33  |      |
| 4 541            | 4 827            | 4 827            | 4 867            | 4 867            | 4 867            | 4 867            | 4 905            | 4 905            | 4 905            | 4 905            | 4 905            | 4 905            | 4 905            | 4.34  |      |
| 2 619            | 2 837            | 2 837            | 2 877            | 2 877            | 2 877            | 2 877            | 2 915            | 2 915            | 2 915            | 2 915            | 2 915            | 2 915            | 2 915            | 4.35  |      |
| 50               | 131              | 131              | 131              | 131              | 131              | 131              | 131              | 131              | 131              | 131              | 131              | 131              | 131              | 4.36  |      |

DIMENSIONS

|           |           |           |           |           |           |           |           |           |           |           |           |           |           |      |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------|
| 23,3      | 24,4      | 23,7      | 24,1      | 22,7      | 23,2      | 23,7      | 24,1      | 22,7      | 23,2      | 23,7      | 24,1      | 22,7      | 23,2      | 5.1  |
| 0,48      | 0,49      | 0,45      | 0,46      | 0,48      | 0,49      | 0,45      | 0,46      | 0,48      | 0,49      | 0,45      | 0,46      | 0,48      | 0,49      | 5.2  |
| 0,51      | 0,42      | 0,51      | 0,42      | 0,51      | 0,42      | 0,51      | 0,42      | 0,51      | 0,42      | 0,51      | 0,42      | 0,51      | 0,42      | 5.3  |
| 28 800    | 17 000    | 30 300    | 21 300    | 29 100    | 21 300    | 30 200    | 20 900    | 29 000    | 20 900    | 30 100    | 20 600    | 28 800    | 20 600    | 5.5  |
| 33 400    | 16 300    | 35 500    | 21 300    | 34 100    | 20 200    | 35 400    | 20 900    | 34 000    | 20 000    | 35 200    | 20 600    | 34 000    | 19 700    | 5.6  |
| 21,8      | 27,1      | 19,2      | 31,5      | 19,6      | 31,1      | 17,8      | 29,6      | 18,3      | 29,4      | 16,7      | 27,9      | 18,6      | 27,7      | 5.7  |
| 29,8      | 27,1      | 27,7      | 31,5      | 27,5      | 31,1      | 25,8      | 29,6      | 25,5      | 29,4      | 24,2      | 27,9      | 26,1      | 27,7      | 5.8  |
| Hydraulic | Hydraulic | Hydraulic | Hydraulic | Hydraulic | Hydraulic | Hydraulic | Hydraulic | Hydraulic | Hydraulic | Hydraulic | Hydraulic | Hydraulic | Hydraulic | 5.10 |

PERFORMANCE

|         |             |         |             |         |             |         |       |
|---------|-------------|---------|-------------|---------|-------------|---------|-------|
| GM 4.3L | Kubota 3.8L | GM 4.3L | Kubota 3.8L | GM 4.3L | Kubota 3.8L | GM 4.3L | 7.1   |
| 77      | 55          | 77      | 55          | 77      | 55          | 77      | 7.2   |
| 2 400   | 2 200       | 2 400   | 2 200       | 2 400   | 2 200       | 2 400   | 7.3   |
| 6       | 4 302       | 4       | 3 769       | 6       | 4 302       | 4       | 3 769 |
| 5,5     | 5,08        | 5,7     | 5,57        | 5,9     | 6,04        | 6,20    | 7.5   |

ENGINE

|           |           |           |           |           |           |           |     |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----|
| Automatic | Automatic | Automatic | Automatic | Automatic | Automatic | Automatic | 8.1 |
| 155       | 155       | 155       | 155       | 155       | 155       | 155       | 8.2 |
| 83,3      | 83,3      | 83,3      | 83,3      | 83,3      | 83,3      | 83,3      | 8.3 |
| 82        | 80        | 79        | 79        | 80        | 80        | 79        | 79  |
| 105       | 104       | 105       | 104       | 105       | 104       | 105       | 8.4 |
| Pin       | Pin       | Pin       | Pin       | Pin       | Pin       | Pin       | 8.5 |

OTHER

# Fortens Advance+ H4.0-5.5FT

## Fortens Advance+ H4.0FT, H4.5FT, H5.0FT, H5.5FT

|                 |           |   |        |
|-----------------|-----------|---|--------|
| CHARACTERISTICS | 1.1       | Manufacturer  |        |
|                 | 1.2       | Model designation                                       |        |
|                 |           | Model - Manufacturer designation                        |        |
|                 |           | Engine/Transmission                                     |        |
|                 |           | Brake Type  |        |
|                 | 1.3       | Power: battery, diesel, LPG, electric mains             |        |
|                 | 1.4       | Operation: manual, pedestrian, stand, seat, orderpicker |        |
|                 | 1.5       | Load capacity   | Q (kg) |
|                 | 1.6       | Load centre   | c (mm) |
|                 | 1.8       | Load distance   | x (mm) |
| 1.9             | Wheelbase | y (mm)  |        |

| HYSTER           |  | HYSTER           |  | HYSTER           |  | HYSTER           |  | HYSTER           |  |
|------------------|--|------------------|--|------------------|--|------------------|--|------------------|--|
| H4.0FT5          |  | H4.0FT5          |  | H4.0FT6          |  | H4.0FT6          |  | H4.5FT5          |  |
| Fortens Advance+ |  | Fortens Advance+ |  | Fortens Advance+ |  | Fortens Advance+ |  | Fortens Advance+ |  |
| Kubota 3.8L      |  | GM 4.3L          |  | Kubota 3.8L      |  | GM 4.3L          |  | Kubota 3.8L      |  |
| DuraMatch Plus 2 |  | DuraMatch Plus 2 |  | DuraMatch Plus 2 |  | DuraMatch Plus 2 |  | DuraMatch Plus 2 |  |
| Wet Brakes       |  | Wet Brakes       |  | Wet Brakes       |  | Wet Brakes       |  | Wet Brakes       |  |
| Diesel           |  | LPG              |  | Diesel           |  | LPG              |  | Diesel           |  |
| Seat             |  | Seat             |  | Seat             |  | Seat             |  | Seat             |  |
| 4 000            |  | 4 000            |  | 4 000            |  | 4 000            |  | 4 500            |  |
| 500              |  | 500              |  | 600              |  | 600              |  | 500              |  |
| 522,1            |  | 522,1            |  | 522,1            |  | 522,1            |  | 522,1            |  |
| 1 830            |  | 1 830            |  | 1 830            |  | 1 830            |  | 1 830            |  |

|         |     |                                       |    |
|---------|-----|---------------------------------------|----|
| WEIGHTS | 2.1 | Unladen weight                        | kg |
|         | 2.2 | Axle loading with load, front/rear    | kg |
|         | 2.3 | Axle loading without load, front/rear | kg |

|       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 6 298 |       | 6 033 |       | 6 672 |       | 6 243 |       | 6 630 |       |
| 8 849 | 1 077 | 8 464 | 1 198 | 8 910 | 1 390 | 8 999 | 1 243 | 9 496 | 1 216 |
| 2 923 | 3 375 | 2 603 | 3 429 | 3 003 | 3 669 | 2 561 | 3 682 | 2 829 | 3 801 |

|                |     |  |                     |
|----------------|-----|--|---------------------|
| WHEELS & TYRES | 3.1 | Tyres: L=pneumatic, V=solid, SE=pneumatic-shaped solid |                     |
|                | 3.2 | Tyre size, front                                       |                     |
|                | 3.3 | Tyre size, rear  |                     |
|                | 3.5 | Number of wheels, front/rear (X = driven)              |                     |
|                | 3.6 | Track width, front                                     | b <sub>0</sub> (mm) |
|                | 3.7 | Track width, rear                                      | b <sub>1</sub> (mm) |

| SE        |   | SE        |   | SE        |   | SE        |   | SE        |   |
|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|
| 250 x 15  |   | 250 x 15  |   | 250 x 15  |   | 250 x 15  |   | 250 x 15  |   |
| 7,00 x 12 |   | 7,00 x 12 |   | 7,00 x 12 |   | 7,00 x 12 |   | 7,00 x 12 |   |
| 2X        | 2 | 2X        | 2 | 2X        | 2 | 2X        | 2 | 2X        | 2 |
| 1 152     |   | 1 152     |   | 1 152     |   | 1 152     |   | 1 152     |   |
| 1 136     |   | 1 136     |   | 1 136     |   | 1 136     |   | 1 136     |   |

|            |      |   |                                     |
|------------|------|---|-------------------------------------|
| DIMENSIONS | 4.1  | Mast tilt, $\alpha = \text{forward}/\beta$        | degrees                             |
|            | 4.2  | Height of mast, lowered                           | h <sub>1</sub> (mm)                 |
|            | 4.3  | Free lift $\uparrow$                              | h <sub>2</sub> (mm)                 |
|            | 4.4  | Lift height $\uparrow$                            | h <sub>3</sub> (mm)                 |
|            | 4.5  | Height of mast, extended $\blacklozenge$          | h <sub>4</sub> (mm)                 |
|            | 4.7  | Overhead guard height $\blacksquare$              | h <sub>5</sub> (mm)                 |
|            | 4.8  | Seat height $\circ$                               | h <sub>6</sub> (mm)                 |
|            | 4.12 | Towing coupling height                            | h <sub>10</sub> (mm)                |
|            | 4.19 | Overall length                                    | l <sub>1</sub> (mm)                 |
|            | 4.20 | Length to face of forks                           | l <sub>2</sub> (mm)                 |
|            | 4.21 | Overall width, standard/wide/dual drive           | b <sub>1</sub> /b <sub>2</sub> (mm) |
|            | 4.22 | Fork dimensions                                   | s/e/l (mm)                          |
|            | 4.23 | Fork carriage DIN 15173. Class, A/B               |                                     |
|            | 4.24 | Fork carriage width $\bullet$                     | b <sub>3</sub> (mm)                 |
|            | 4.31 | Ground clearance under mast, with load            | m <sub>1</sub> (mm)                 |
|            | 4.32 | Ground clearance, centre of wheelbase             | m <sub>2</sub> (mm)                 |
|            | 4.33 | Aisle width with pallets 1 000 mm x 1 200 mm wide | Ast (mm)                            |
|            | 4.34 | Aisle width with pallets 800 mm x 1 200 mm long   | Ast (mm)                            |
|            | 4.35 | Outer turning radius                              | W <sub>1</sub> (mm)                 |
|            | 4.36 | Inner turning radius                              | b <sub>11</sub> (mm)                |

| 6F               |       | 10B              |       | 6F               |       | 10B              |       | 6F               |       | 10B              |       |
|------------------|-------|------------------|-------|------------------|-------|------------------|-------|------------------|-------|------------------|-------|
| 2 175            |       | 2 175            |       | 2 175            |       | 2 175            |       | 2 175            |       | 2 215            |       |
| 100              |       | 100              |       | 100              |       | 100              |       | 100              |       | 100              |       |
| 3 000            |       | 3 000            |       | 3 000            |       | 3 000            |       | 3 000            |       | 2 740            |       |
| 3 815            |       | 3 815            |       | 3 815            |       | 3 815            |       | 3 815            |       | 3 730            |       |
| 2 258            |       | 2 258            |       | 2 258            |       | 2 258            |       | 2 258            |       | 2 258            |       |
| 1 159            |       | 1 159            |       | 1 159            |       | 1 159            |       | 1 159            |       | 1 159            |       |
| 429              |       | 429              |       | 429              |       | 429              |       | 429              |       | 429              |       |
| 3 945            |       | 3 945            |       | 4 176            |       | 4 176            |       | 4 176            |       | 4 197            |       |
| 2 945            |       | 2 945            |       | 2 976            |       | 2 976            |       | 2 976            |       | 2 997            |       |
| 1 402            | 1 485 | 1 773            | 1 402 | 1 485            | 1 773 | 1 402            | 1 485 | 1 773            | 1 402 | 1 485            | 1 773 |
| 60 x 150 x 1 200 |       | 60 x 150 x 1 200 |       | 60 x 150 x 1 200 |       | 60 x 150 x 1 200 |       | 60 x 150 x 1 200 |       | 60 x 150 x 1 200 |       |
| III A            |       | III A            |       | III A            |       | III A            |       | III A            |       | IV A             |       |
| 1 219            |       | 1 219            |       | 1 219            |       | 1 219            |       | 1 219            |       | 1 219            |       |
| 151              |       | 151              |       | 150              |       | 150              |       | 150              |       | 194              |       |
| 194              |       | 194              |       | 194              |       | 194              |       | 194              |       | 194              |       |
| 4 292            |       | 4 292            |       | 4 321            |       | 4 321            |       | 4 321            |       | 4 341            |       |
| 4 492            |       | 4 492            |       | 4 521            |       | 4 521            |       | 4 521            |       | 4 541            |       |
| 2 570            |       | 2 570            |       | 2 599            |       | 2 599            |       | 2 599            |       | 2 619            |       |
| 50               |       | 50               |       | 50               |       | 50               |       | 50               |       | 50               |       |

|             |      |  |       |
|-------------|------|--|-------|
| PERFORMANCE | 5.1  | Travel speed with/without load                               | km/h  |
|             | 5.2  | Lifting speed with/without load                              | m/sec |
|             | 5.3  | Lowering speed with/without load                             | m/sec |
|             | 5.5  | Drawbar pull with/without load @ 1,6 km/h                    | N     |
|             | 5.6  | Maximum drawbar pull with/without load                       | N     |
|             | 5.7  | Gradeability with/without load @ 4,8 km/h $\uparrow$         | %     |
|             | 5.8  | Maximum gradeability with/without load @ 1,6 km/h $\uparrow$ | %     |
|             | 5.10 | Service brake  |       |

|           |        |           |        |           |        |           |        |           |        |
|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| 21,2      | 21,6   | 21,8      | 22,8   | 21,2      | 21,6   | 21,8      | 22,8   | 21,2      | 21,6   |
| 0,62      | 0,63   | 0,61      | 0,63   | 0,62      | 0,63   | 0,61      | 0,63   | 0,45      | 0,46   |
| 0,55      | 0,47   | 0,55      | 0,47   | 0,55      | 0,47   | 0,55      | 0,47   | 0,51      | 0,42   |
| 25 800    | 17 500 | 29 800    | 17 500 | 25 800    | 18 000 | 29 800    | 18 000 | 25 800    | 17 000 |
| 25 800    | 17 500 | 44 200    | 16 800 | 25 800    | 18 000 | 44 100    | 16 500 | 25 800    | 17 000 |
| 28,4      | 29,6   | 26,4      | 29,6   | 22,9      | 28,7   | 25,0      | 28,1   | 22,4      | 27,1   |
| 28,4      | 29,6   | 42,0      | 29,6   | 26,4      | 28,7   | 39,1      | 28,1   | 25,8      | 27,1   |
| Hydraulic |        | Hydraulic |        | Hydraulic |        | Hydraulic |        | Hydraulic |        |

|        |     |   |                         |
|--------|-----|---|-------------------------|
| ENGINE | 7.1 | Engine manufacturer/Type $\blacklozenge$      |                         |
|        | 7.2 | Engine output, in accordance with ISO1585     | kW                      |
|        | 7.3 | Governed speed                                | rpm                     |
|        | 7.4 | Number of cylinders/displacements             | cm <sup>3</sup>         |
|        | 7.5 | Fuel consumption in accordance with VDI cycle | l/h (DSL) or kg/h (LPG) |

| Kubota 3.8L |       | GM 4.3L |       | Kubota 3.8L |       | GM 4.3L |       | Kubota 3.8L |       |
|-------------|-------|---------|-------|-------------|-------|---------|-------|-------------|-------|
| 55          |       | 77      |       | 55          |       | 77      |       | 55          |       |
| 2 200       |       | 2 400   |       | 2 200       |       | 2 400   |       | 2 200       |       |
| 4           | 3 769 | 6       | 4 302 | 4           | 3 769 | 6       | 4 302 | 4           | 3 769 |
| TBA         |       | TBA     |       | TBA         |       | TBA     |       | TBA         |       |

|       |                      |   |        |
|-------|----------------------|---|--------|
| OTHER | 8.1                  | Drive control   |        |
|       | 8.2                  | Working pressure for attachments                                | bar    |
|       | 8.3                  | Oil flow for attachments  | l/min  |
|       | 8.4                  | Average noise level at operator's ear no cab/cab (Lpaz) $\star$ | dB (A) |
|       |                      | Guaranteed sound power 2001/14/EC (Lwaz)                        | dB     |
| 8.5   | Towing coupling type |   |        |

| Automatic |    | Automatic |    | Automatic |    | Automatic |    | Automatic |    |
|-----------|----|-----------|----|-----------|----|-----------|----|-----------|----|
| 155       |    | 155       |    | 155       |    | 155       |    | 155       |    |
| 83,3      |    | 83,3      |    | 83,3      |    | 83,3      |    | 83,3      |    |
| 79        | 79 | 82        | 80 | 79        | 79 | 82        | 80 | 79        | 79 |
| 104       |    | 105       |    | 104       |    | 105       |    | 104       |    |
| Pin       |    | Pin       |    | Pin       |    | Pin       |    | Pin       |    |

Specification data is based on VDI 2198

### Equipment and weight:

Weights (line 2.1) are based on the following specifications:

Complete truck with 3 050 mm (H4.0FT), 2 800 mm (H4.5-5.5FT) 2-stage limited free lift mast, standard carriage, 1 000 mm (H4.0FT) / 1 200 mm (H4.5-5.5FT) forks, e-hydraulics, overhead guard and standard pneumatic shaped solid drive and steer tyres.

| <b>HYSTER</b>               | <b>HYSTER</b>                   | <b>HYSTER</b>               | <b>HYSTER</b>                   | <b>HYSTER</b>               | <b>HYSTER</b>                   | <b>HYSTER</b>               | 1.1 |
|-----------------------------|---------------------------------|-----------------------------|---------------------------------|-----------------------------|---------------------------------|-----------------------------|-----|
| H4.5FTS5                    | H4.5FT6                         | H4.5FT6                     | H5.0FT                          | H5.0FT                      | H5.5FT                          | H5.5FT                      | 1.2 |
| Fortens Advance+            | Fortens Advance+                | Fortens Advance+            | Fortens Advance+                | Fortens Advance+            | Fortens Advance+                | Fortens Advance+            |     |
| GM 4.3L<br>DuraMatch Plus 2 | Kubota 3.8L<br>DuraMatch Plus 2 | GM 4.3L<br>DuraMatch Plus 2 | Kubota 3.8L<br>DuraMatch Plus 2 | GM 4.3L<br>DuraMatch Plus 2 | Kubota 3.8L<br>DuraMatch Plus 2 | GM 4.3L<br>DuraMatch Plus 2 |     |
| Wet Brakes                  | Wet Brakes                      | Wet Brakes                  | Wet Brakes                      | Wet Brakes                  | Wet Brakes                      | Wet Brakes                  |     |
| LPG                         | Diesel                          | LPG                         | Diesel                          | LPG                         | Diesel                          | LPG                         | 1.3 |
| Seat                        | Seat                            | Seat                        | Seat                            | Seat                        | Seat                            | Seat                        | 1.4 |
| 4 500                       | 4 500                           | 4 500                       | 5 000                           | 5 000                       | 5 500                           | 5 500                       | 1.5 |
| 500                         | 600                             | 600                         | 600                             | 600                         | 600                             | 600                         | 1.6 |
| 522,1                       | 590                             | 590                         | 590                             | 590                         | 590                             | 590                         | 1.8 |
| 1 830                       | 2 100                           | 2 100                       | 2 100                           | 2 100                       | 2 100                           | 2 100                       | 1.9 |

CHARACTERISTICS

|        |       |        |       |        |       |        |       |
|--------|-------|--------|-------|--------|-------|--------|-------|
| 6 368  | 7 224 | 6 939  | 7 523 | 7 244  | 7 808 | 7 529  | 2.1   |
| 9 095  | 1 356 | 10 596 | 1 164 | 10 265 | 1 210 | 11 241 | 1 272 |
| 2 526  | 3 842 | 3 473  | 3 751 | 3 152  | 3 787 | 3 406  | 4 117 |
| 10 913 | 1 320 | 11 882 | 1 370 | 11 555 | 1 417 | 11 882 | 1 370 |
| 3 089  | 4 155 | 3 335  | 4 474 | 3 016  | 4 513 | 3 335  | 4 474 |

WEIGHTS

| SE        | SE          | SE          | SE          | SE          | SE          | SE          | 3.1 |
|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-----|
| 250 x 15  | 300 x 15    | 300 x 15    | 300 x 15    | 300 x 15    | 300 x 15    | 300 x 15    | 3.2 |
| 7,00 x 12 | 28 x 9 - 15 | 28 x 9 - 15 | 28 x 9 - 15 | 28 x 9 - 15 | 28 x 9 - 15 | 28 x 9 - 15 | 3.3 |
| 2X   2    | 2X   2      | 2X   2      | 2X   2      | 2X   2      | 2X   2      | 2X   2      | 3.5 |
| 1 152     | 1 150       | 1 150       | 1 150       | 1 150       | 1 150       | 1 150       | 3.6 |
| 1 136     | 1 136       | 1 136       | 1 136       | 1 136       | 1 136       | 1 136       | 3.7 |

WHEELS & TYRES

| 6F               | 10B              | 6F               | 10B              | 6F               | 10B              | 6F               | 10B              | 6F               | 10B              | 6F               | 10B              | 6F               | 10B              | 4.1   |      |
|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-------|------|
| 2 215            | 2 215            | 2 215            | 2 215            | 2 215            | 2 215            | 2 215            | 2 215            | 2 215            | 2 215            | 2 215            | 2 215            | 2 215            | 2 215            | 4.2   |      |
| 100              | 100              | 100              | 100              | 100              | 100              | 100              | 100              | 100              | 100              | 100              | 100              | 100              | 100              | 4.3   |      |
| 2 740            | 2 740            | 2 740            | 2 740            | 2 740            | 2 740            | 2 740            | 2 740            | 2 740            | 2 740            | 2 740            | 2 740            | 2 740            | 2 740            | 4.4   |      |
| 3 730            | 3 730            | 3 730            | 3 730            | 3 730            | 3 730            | 3 730            | 3 730            | 3 730            | 3 730            | 3 730            | 3 730            | 3 730            | 3 730            | 4.5   |      |
| 2 258            | 2 300            | 2 300            | 2 300            | 2 300            | 2 300            | 2 300            | 2 300            | 2 300            | 2 300            | 2 300            | 2 300            | 2 300            | 2 300            | 4.7   |      |
| 1 159            | 1 201            | 1 201            | 1 201            | 1 201            | 1 201            | 1 201            | 1 201            | 1 201            | 1 201            | 1 201            | 1 201            | 1 201            | 1 201            | 4.8   |      |
| 429              | 472              | 472              | 472              | 472              | 472              | 472              | 472              | 472              | 472              | 472              | 472              | 472              | 472              | 4.12  |      |
| 4 197            | 4 456            | 4 456            | 4 499            | 4 499            | 4 499            | 4 499            | 4 499            | 4 540            | 4 540            | 4 540            | 4 540            | 4 540            | 4 540            | 4.19  |      |
| 2 997            | 3 256            | 3 256            | 3 299            | 3 299            | 3 299            | 3 299            | 3 299            | 3 340            | 3 340            | 3 340            | 3 340            | 3 340            | 3 340            | 4.20  |      |
| 1 402            | 1 485            | 1 485            | 1 450            | 1 575            | 1 875            | 1 450            | 1 575            | 1 875            | 1 450            | 1 575            | 1 875            | 1 450            | 1 575            | 1 875 | 4.21 |
| 60 x 150 x 1 200 | 60 x 150 x 1 200 | 60 x 150 x 1 200 | 60 x 150 x 1 200 | 60 x 150 x 1 200 | 60 x 150 x 1 200 | 60 x 150 x 1 200 | 60 x 150 x 1 200 | 60 x 150 x 1 200 | 60 x 150 x 1 200 | 60 x 150 x 1 200 | 60 x 150 x 1 200 | 60 x 150 x 1 200 | 60 x 150 x 1 200 | 4.22  |      |
| IV A             | IV A             | IV A             | IV A             | IV A             | IV A             | IV A             | IV A             | IV A             | IV A             | IV A             | IV A             | IV A             | IV A             | 4.23  |      |
| 1 219            | 1 219            | 1 219            | 1 219            | 1 219            | 1 219            | 1 219            | 1 219            | 1 219            | 1 219            | 1 219            | 1 219            | 1 219            | 1 219            | 4.24  |      |
| 194              | 194              | 194              | 194              | 194              | 194              | 194              | 194              | 194              | 194              | 194              | 194              | 194              | 194              | 4.31  |      |
| 194              | 237              | 237              | 237              | 237              | 237              | 237              | 237              | 237              | 237              | 237              | 237              | 237              | 237              | 4.32  |      |
| 4 341            | 4 627            | 4 627            | 4 667            | 4 667            | 4 667            | 4 667            | 4 667            | 4 705            | 4 705            | 4 705            | 4 705            | 4 705            | 4 705            | 4.33  |      |
| 4 541            | 4 827            | 4 827            | 4 867            | 4 867            | 4 867            | 4 867            | 4 867            | 4 905            | 4 905            | 4 905            | 4 905            | 4 905            | 4 905            | 4.34  |      |
| 2 619            | 2 837            | 2 837            | 2 877            | 2 877            | 2 877            | 2 877            | 2 877            | 2 915            | 2 915            | 2 915            | 2 915            | 2 915            | 2 915            | 4.35  |      |
| 50               | 131              | 131              | 131              | 131              | 131              | 131              | 131              | 131              | 131              | 131              | 131              | 131              | 131              | 4.36  |      |

DIMENSIONS

|           |           |           |           |           |           |           |           |           |           |           |           |           |           |      |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------|
| 21,8      | 22,8      | 21,2      | 21,7      | 22,7      | 23,2      | 21,2      | 21,7      | 22,7      | 23,2      | 21,2      | 21,7      | 22,7      | 23,2      | 5.1  |
| 0,48      | 0,49      | 0,45      | 0,46      | 0,48      | 0,49      | 0,45      | 0,46      | 0,48      | 0,49      | 0,45      | 0,46      | 0,48      | 0,49      | 5.2  |
| 0,51      | 0,42      | 0,51      | 0,42      | 0,51      | 0,42      | 0,51      | 0,42      | 0,51      | 0,42      | 0,51      | 0,42      | 0,51      | 0,42      | 5.3  |
| 29 800    | 17 000    | 25 800    | 17 000    | 25 800    | 21 300    | 25 800    | 20 900    | 25 800    | 20 900    | 25 800    | 20 600    | 25 800    | 20 600    | 5.5  |
| 44 100    | 16 300    | 25 800    | 17 000    | 39 400    | 20 200    | 25 800    | 20 900    | 39 400    | 20 000    | 25 800    | 20 600    | 39 400    | 19 700    | 5.6  |
| 24,4      | 27,1      | 20,1      | 27,1      | 21,7      | 31,1      | 18,7      | 29,6      | 20,1      | 29,4      | 17,5      | 27,9      | 20,4      | 27,7      | 5.7  |
| 38,2      | 27,1      | 23,4      | 27,1      | 30,1      | 31,1      | 21,9      | 29,6      | 28,1      | 29,4      | 20,6      | 27,9      | 28,5      | 27,7      | 5.8  |
| Hydraulic | Hydraulic | Hydraulic | Hydraulic | Hydraulic | Hydraulic | Hydraulic | Hydraulic | Hydraulic | Hydraulic | Hydraulic | Hydraulic | Hydraulic | Hydraulic | 5.10 |

PERFORMANCE

| GM 4.3L | Kubota 3.8L | GM 4.3L | Kubota 3.8L | GM 4.3L | Kubota 3.8L | GM 4.3L | 7.1   |
|---------|-------------|---------|-------------|---------|-------------|---------|-------|
| 77      | 55          | 77      | 55          | 77      | 55          | 77      | 7.2   |
| 2 400   | 2 200       | 2 400   | 2 200       | 2 400   | 2 200       | 2 400   | 7.3   |
| 6       | 4 302       | 4       | 3 769       | 6       | 4 302       | 4       | 3 769 |
| TBA     | TBA         | TBA     | TBA         | TBA     | TBA         | TBA     | 7.4   |
| TBA     | TBA         | TBA     | TBA         | TBA     | TBA         | TBA     | 7.5   |

ENGINE

| Automatic | Automatic | Automatic | Automatic | Automatic | Automatic | Automatic | 8.1 |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----|
| 155       | 155       | 155       | 155       | 155       | 155       | 155       | 8.2 |
| 83,3      | 83,3      | 83,3      | 83,3      | 83,3      | 83,3      | 83,3      | 8.3 |
| 82        | 80        | 79        | 79        | 80        | 80        | 79        | 79  |
| 105       | 104       | 105       | 104       | 105       | 104       | 105       | 8.4 |
| Pin       | Pin       | Pin       | Pin       | Pin       | Pin       | Pin       | 8.5 |

OTHER

# Mast and Capacity Information

## Mast and capacity information

Masts H4.0FT5/FT6

|                           | Maximum fork height (mm) | Back tilt | Overall lowered height (mm) | Overall Extended height (mm) | Free lift (top of forks) (mm) |
|---------------------------|--------------------------|-----------|-----------------------------|------------------------------|-------------------------------|
| 2-Stage Limited Free Lift | 3 050                    | 10°       | 2 175                       | 4 300 ↕                      | 150 ▽                         |
|                           | 3 650                    | 10°       | 2 475                       | 4 900 ↕                      | 150 ▽                         |
|                           | 4 250                    | 10°       | 2 775                       | 5 500 ↕                      | 150 ▽                         |
|                           | 4 950                    | 6°        | 3 225                       | 6 200 ↕                      | 150 ▽                         |
| 2-Stage Full Free Lift    | 3 075                    | 10°       | 2 175                       | 4 325 ↕                      | 1 355 ▽                       |
|                           | 3 675                    | 10°       | 2 475                       | 4 925 ↕                      | 1 655 ▽                       |
| 3-Stage Full Free Lift    | 4 415                    | 6°        | 2 175                       | 5 665 ↕                      | 1 355 ▽                       |
|                           | 4 950                    | 6°        | 2 375                       | 6 200 ↕                      | 1 555 ▽                       |
|                           | 5 250                    | 6°        | 2 475                       | 6 500 ↕                      | 1 655 ▽                       |
|                           | 5 550                    | 6°        | 2 575                       | 6 800 ↕                      | 1 755 ▽                       |
|                           | 6 000                    | 6°        | 2 775                       | 7 250 ↕                      | 1 955 ▽                       |

Masts H4.5FTS5-H5.5FT

|                           | Maximum fork height (mm) | Back tilt | Overall lowered height (mm) | Overall Extended height (mm) | Free lift (top of forks) (mm) |
|---------------------------|--------------------------|-----------|-----------------------------|------------------------------|-------------------------------|
| 2-Stage Limited Free Lift | 2 800                    | 10°       | 2 215                       | 4 065 ↕                      | 160 ▽                         |
|                           | 3 400                    | 10°       | 2 515                       | 4 665 ↕                      | 160 ▽                         |
|                           | 4 000                    | 10°       | 2 815                       | 5 265 ↕                      | 160 ▽                         |
|                           | 4 700                    | 6°        | 3 265                       | 5 965 ↕                      | 160 ▽                         |
|                           | 5 300                    | 6°        | 3 665                       | 6 665 ↕                      | 160 ▽                         |
|                           | 5 900                    | 6°        | 4 065                       | 7 165 ↕                      | 160 ▽                         |
| 2-Stage Full Free Lift    | 2 825                    | 10°       | 2 215                       | 4 090 ↕                      | 1 230 ▽                       |
|                           | 3 425                    | 10°       | 2 515                       | 4 690 ↕                      | 1 530 ▽                       |
| 3-Stage Full Free Lift    | 4 415                    | 6°        | 2 215                       | 5 415 ↕                      | 1 230 ▽                       |
|                           | 5 000                    | 6°        | 2 515                       | 6 265 ↕                      | 1 530 ▽                       |
|                           | 5 300                    | 6°        | 2 615                       | 6 565 ↕                      | 1 630 ▽                       |

Values shown are for standard equipment. When using non-standard equipment, these values may change. Please contact your Hyster dealer for information.

H4.0FT5-H4.0FT6 - Capacity chart in kg @ 500 mm (a) or 600 mm (b) load centre

|                           | Maximum fork height (mm) | Pneumatic Shaped Solid Tyres |            |                   |             |
|---------------------------|--------------------------|------------------------------|------------|-------------------|-------------|
|                           |                          | Without sideshift            |            | Without sideshift |             |
|                           |                          | H4.0FT5 (a)                  | H4.0T6 (b) | H4.0FT5 (a)       | H4.0FT6 (b) |
| 2-Stage Limited Free Lift | 3 050                    | 4 000                        | 4 000      | 4 000             | 4 000       |
|                           | 3 650                    | 4 000                        | 4 000      | 4 000             | 4 000       |
|                           | 4 250                    | 4 000                        | 4 000      | 4 000             | 4 000       |
|                           | 4 950                    | 3 890                        | 3 890      | 3 890             | 3 890       |
| 2-Stage Full Free Lift    | 3 075                    | 4 000                        | 4 000      | 4 000             | 4 000       |
|                           | 3 675                    | 4 000                        | 4 000      | 4 000             | 4 000       |
| 3-Stage Full Free Lift    | 4 415                    | 4 000                        | 4 000      | 4 000             | 4 000       |
|                           | 4 950                    | 3 880                        | 3 880      | 3 880             | 3 810       |
|                           | 5 250                    | 3 810                        | 3 810      | 3 810             | 3 790       |
|                           | 5 550                    | 3 730                        | 3 740      | 3 730             | 3 710       |
|                           | 6 000                    | 3 610                        | 3 620      | 3 590             | 3 580       |

H4.0FT5-H4.0FT6 - Capacity chart in kg @ 500 mm (a) or 600 mm (b) load centre

|                           | Maximum fork height (mm) | Michelin (Radial) Tyres |            |                   |             |
|---------------------------|--------------------------|-------------------------|------------|-------------------|-------------|
|                           |                          | Without sideshift       |            | Without sideshift |             |
|                           |                          | H4.0FT5 (a)             | H4.0T6 (b) | H4.0FT5 (a)       | H4.0FT6 (b) |
| 2-Stage Limited Free Lift | 3 050                    | 4 000                   | 4 000      | 4 000             | 4 000       |
|                           | 3 650                    | 4 000                   | 4 000      | 4 000             | 4 000       |
|                           | 4 250                    | 4 000                   | 4 000      | 4 000             | 4 000       |
|                           | 4 950                    | 3 880                   | 3 890      | 3 880             | 3 890       |
| 2-Stage Full Free Lift    | 3 075                    | 4 000                   | 4 000      | 4 000             | 4 000       |
|                           | 3 675                    | 4 000                   | 4 000      | 4 000             | 4 000       |
| 3-Stage Full Free Lift    | 4 415                    | 4 000                   | 4 000      | 4 000             | 4 000       |
|                           | 4 950                    | 3 880 ◀                 | 3 880 ◀    | 3 880 ◀           | 3 870 ◀     |
|                           | 5 250                    | 3 800 ◀                 | 3 810 ◀    | 3 800 ◀           | 3 790 ◀     |
|                           | 5 550                    | 3 730 ✱                 | 3 740 ✱    | 3 730 ✱           | 3 710 ✱     |
|                           | 6 000                    | 3 610 ✱                 | 3 620 ✱    | 3 590 ✱           | 3 580 ✱     |

H4.5FTS5-H5.5FT - Capacity chart in kg @ 500 mm (a) or 600 mm (b) load centre

|                           | Maximum fork height (mm) | Pneumatic Shaped Solid Tyres |            |             |             |                         |             |             |             |       |
|---------------------------|--------------------------|------------------------------|------------|-------------|-------------|-------------------------|-------------|-------------|-------------|-------|
|                           |                          | Without sideshift            |            |             |             | With integral sideshift |             |             |             |       |
|                           |                          | H4.5FT5 (a)                  | H4.0T6 (b) | H4.0FT5 (a) | H4.0FT6 (b) | H4.0FT5 (a)             | H4.0FT6 (b) | H4.0FT5 (a) | H4.0FT6 (b) |       |
| 2-Stage Limited Free Lift | 2 800                    | 4 500                        | 4 500      | 5 000       | 5 500       | 2 800                   | 4 500       | 4 500       | 5 000       | 5 500 |
|                           | 3 400                    | 4 500                        | 4 500      | 5 000       | 5 500       | 3 400                   | 4 500       | 4 500       | 5 000       | 5 500 |
|                           | 4 000                    | 4 500                        | 4 500      | 5 000       | 5 500       | 4 000                   | 4 480       | 4 500       | 5 000       | 5 500 |
|                           | 4 700                    | 4 390                        | 4 390      | 4 890       | 5 380       | 4 700                   | 4 340       | 4 390       | 4 890       | 5 380 |
|                           | 5 300                    | 4 240                        | 4 250      | 4 740       | 5 230       | 5 300                   | 4 160       | 4 250       | 4 740       | 5 230 |
|                           | 5 900                    | 4 070                        | 4 100      | 4 580       | 5 050       | 5 900                   | 3 970       | 4 100       | 4 580       | 5 050 |
| 2-Stage Full Free Lift    | 2 825                    | 4 500                        | 4 500      | 5 000       | 5 500       | 2 825                   | 4 480       | 4 500       | 5 000       | 5 500 |
|                           | 3 425                    | 4 500                        | 4 500      | 5 000       | 5 500       | 3 425                   | 4 460       | 4 500       | 5 000       | 5 500 |
| 3-Stage Full Free Lift    | 4 145                    | 4 500                        | 4 500      | 5 000       | 5 500       | 4 145                   | 4 420       | 4 500       | 5 000       | 5 500 |
|                           | 5 000                    | 4 300                        | 4 310      | 4 800       | 5 290       | 5 000                   | 4 200       | 4 310       | 4 800       | 5 290 |
|                           | 5 300                    | 4 230                        | 4 240      | 4 730       | 5 210       | 5 300                   | 4 120       | 4 240       | 4 730       | 5 210 |

H4.5FTS5-H5.5FT - Capacity chart in kg @ 500 mm (a) or 600 mm (b) load centre

|                           | Maximum fork height (mm) | Michelin (Radial) Tyres |             |            |            |                         |             |            |            |         |
|---------------------------|--------------------------|-------------------------|-------------|------------|------------|-------------------------|-------------|------------|------------|---------|
|                           |                          | Without sideshift       |             |            |            | With integral sideshift |             |            |            |         |
|                           |                          | H4.5FT5 (a)             | H4.5FT6 (b) | H5.0FT (b) | H5.5FT (b) | H4.5FT5 (a)             | H4.5FT6 (b) | H5.0FT (b) | H5.5FT (b) |         |
| 2-Stage Limited Free Lift | 2 800                    | 4 500                   | 4 500       | 5 000      | 5 500      | 2 800                   | 4 500       | 4 500      | 5 000      | 5 500   |
|                           | 3 400                    | 4 500                   | 4 500       | 5 000      | 5 500      | 3 400                   | 4 500       | 4 500      | 5 000      | 5 500   |
|                           | 4 000                    | 4 500                   | 4 500       | 5 000      | 5 500      | 4 000                   | 4 480       | 4 500      | 5 000      | 5 500   |
|                           | 4 700                    | 4 380                   | 4 390       | 4 880      | 5 380 ◀    | 4 700                   | 4 340       | 4 390      | 4 880      | 5 380 ◀ |
|                           | 5 300                    | 4 230 ◀                 | 4 250 ◀     | 4 730 ◀    | 5 220 ◀    | 5 300                   | 4 160 ◀     | 4 250 ◀    | 4 730 ◀    | 5 220 ◀ |
|                           | 5 900                    | 4 070 ✱                 | 4 090 ◀     | 4 570 ✱    | 5 050 ✱    | 5 900                   | 3 970 ✱     | 4 090 ◀    | 4 570 ✱    | 5 050 ✱ |
| 2-Stage Full Free Lift    | 2 825                    | 4 500                   | 4 500       | 5 000      | 5 500      | 2 825                   | 4 480       | 4 500      | 5 000      | 5 500   |
|                           | 3 425                    | 4 500                   | 4 500       | 5 000      | 5 500      | 3 425                   | 4 460       | 4 500      | 5 000      | 5 500   |
| 3-Stage Full Free Lift    | 4 145                    | 4 500                   | 4 500       | 5 000      | 5 500      | 4 145                   | 4 420       | 4 500      | 5 000      | 5 500   |
|                           | 5 000                    | 4 270 ◀                 | 4 310 ◀     | 4 800 ◀    | 5 290 ◀    | 5 000                   | 4 200 ◀     | 4 310 ◀    | 4 800 ◀    | 5 290 ◀ |
|                           | 5 300                    | 4 220 ✱                 | 4 240 ◀     | 4 730 ✱    | 5 210 ✱    | 5 300                   | 4 120 ✱     | 4 240 ◀    | 4 730 ✱    | 5 210 ✱ |

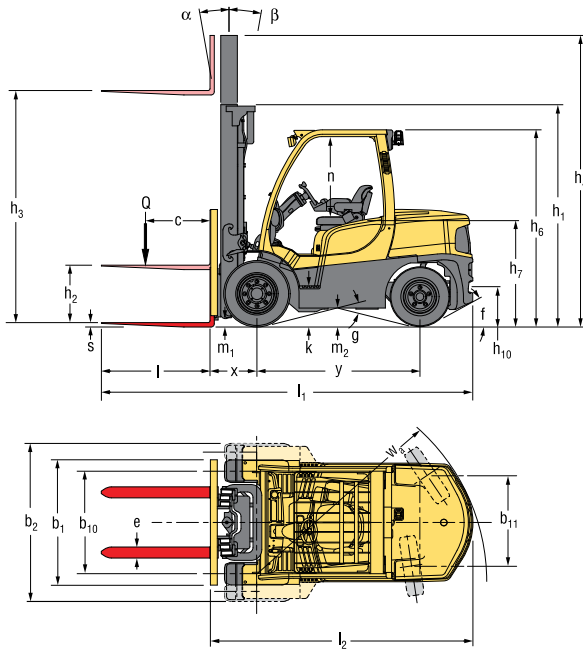
### NOTES

To calculate truck capacities with alternative truck specifications to the ones shown in the above tables, please consult your Hyster dealer.

The rated capacities shown are for masts in a vertical position on trucks equipped with standard or sideshift carriage, and nominal length forks. Masts above the maximum fork heights shown in the mast table are classified as high lift, and depending on the tyre/tread configuration may require reduced capacity, restricted back tilt or wide tread.



## Truck Dimensions



= Centre of gravity of unladen truck

$$A_{st} = W_a + x + l_6 + a \text{ (see lines 4.33 \& 4.34)}$$

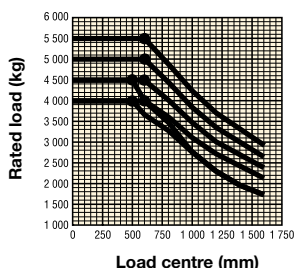
a = Minimum operating clearance

(V.D.I. standard = 200 mm BITA recommendation = 300 mm)

$l_6$  = Load length

| Dimensions (mm) | H4.0FT5 | H4.0FT6 | H4.5FT5 | H4.5FT6 | H5.0FT | H5.5FT |
|-----------------|---------|---------|---------|---------|--------|--------|
| f               | 37%     | 27.5%   | 33%     | 32%     | 32%    | 28%    |
| g               | 28,0"   | 28,0"   | 28,0"   | 30,0"   | 30,0"  | 30,0"  |
| k               | 441     | 441     | 441     | 484     | 484    | 484    |
| n               | 1 062   | 1 062   | 1 062   | 1 062   | 1 062  | 1 062  |

## Rated Capacities



H5.5FT  
H5.0FT  
H4.5FT6  
H4.5FT5  
H4.0FT6  
H4.0FT5

### Load centre

Distance from front of forks to centre of gravity of load.

### Rated load

Based on vertical masts up to 4 250 mm (H4.0FT) and 4 000 mm (H4.5-5.5FT).

### NOTE:

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. If these specifications are critical, the proposed application should be discussed with your dealer.

- ¶ Top of forks
- ◆ Without load backrest
- $h_6$  subject to +/- 5 mm tolerance.
- Full-suspension seat in depressed position
- Subtract 32 mm without load backrest
- ◆ Stacking aisle width (lines 4.33 & 4.34) are based on the V.D.I. standard calculation as shown on illustration. The British Industrial Truck Association recommends the addition of 100 mm to the total clearance (dimension a) for extra operating margin at the rear of the truck.
- † Gradeability figures (lines 5.7 & 5.8) are provided for comparison of tractive performance, but are not intended to endorse the operation of the vehicle on the stated inclines. Follow instructions in the operating manual regarding operation on inclines.
- ⊕ Variable
- ◇ Measured according to the test cycles and based on the weighting values contained in EN12053
- \* Noise levels are reduced by 3dB(A) with ECO-eLo mode engaged.
- ◆ The Kubota V3600 Diesel engine is only compatible with category 1 diesel fuel, which contains sulphur levels of over 500ppm.  
The Kubota V3800 3.8L Diesel engine is equipped with a cooled EGR system, which requires the use of Low (<500ppm) or Ultra-Low (<15ppm) sulphur fuel.

### Mast tables:

- ❖ With load backrest
- ▽ Without load backrest
- Wide tread or Dual Drive Wheels required
- \* Dual Drive Wheels required

### Notice

Care must be exercised when handling elevated loads. When the carriage and/or load is elevated, truck stability is reduced. It is important that mast tilt in either direction be kept to a minimum when loads are elevated. Operators must be trained and adhere to the instructions contained in the Operating Manual.

Hyster products are subject to change without notice. Lift trucks illustrated may feature optional equipment.



This truck conforms to the current EU requirements.

# Product Features / Options

Fortens models feature the new Kubota V3600 4-cylinder IDI-T mechanically controlled turbocharged diesel engine with 57kW, for use in those markets where EU diesel exhaust standards are not currently applied. The engine will only operate with category 1 diesel fuel only, which contains sulphur levels of over 500ppm. It is not compatible with low or Ultra-low sulphur diesel.

This mechanically controlled engine is combined with a new electronic powershift transmission, available with one or two speeds and Cowl Mounted Mechanical Levers. Engine rpm, coolant temperature and oil pressure are monitored by the VSM.

Fortens Advance & Advance+ models feature the new Kubota V3800 E3 turbocharged diesel engine with 55.4 kW or the GM 4.3L V6 LPG engine with 77kW.

The new Kubota V3800 engine is equipped with a Cooled Exhaust Gas Recirculation (EGR) system which reduces the NOx emissions by re-circulating a part of the exhaust gases back into the engine to directly reduce NOx inside the engine. The EGR is self-contained and avoids the need for any fuel additive. It requires the use of Low (<500ppm) or Ultra-Low (<15ppm) sulphur fuel - Diesel fuel with a higher sulphur content will compromise emissions performance and result in damage to EGR system components. The engine also features a high pressure common rail fuel system, which dramatically reduces engine noise while providing more responsive power and better fuel efficiency at every rpm.

Fortens models, with the Kubota V3600 engine, are available with an Electronic Powershift transmission only, featuring either one or two speeds.

Fortens Advance models feature the electronically controlled **DuraMatch™ transmission**, with one and two speeds respectively, providing:

- ▲ **Auto Deceleration System (ADS)** automatically slows the truck when the accelerator pedal is released, and finally brings the truck to a stop, which helps to significantly extend brake life. In addition, this feature assists the driver to accurately position the truck in front of a load. There are 10 ADS settings, programmable via the dash display by a service technician, which deliver different braking characteristics, from very gradual to aggressive, to suit the needs of the application.
- ▲ **Controlled Power Reversal;** the Pacesetter VSM™ controls the transmission to deliver smooth direction changes. The VSM reduces the throttle to slow the engine, initiates auto-deceleration to stop the truck, changes the transmission direction automatically and increases the throttle to accelerate the truck. The system virtually eliminates tyre spin and shock loads on the transmission and significantly increases tyre life. As with ADS, the system is programmable via the dash display by a service technician, with settings from 1 to 10, to suit the needs of

the application.

- ▲ **Controlled Roll-Back on Ramp;** the transmission controls the rate of descent of the truck on a ramp, when the brake and throttle pedal are released, to provide maximum control on a grade and increase operator productivity.

The Fortens Advance+ models feature the electronically controlled two-speed extended function **DuraMatch™ Plus2 transmission**. This transmission, in addition to the above, features:

- ▲ **Throttle Response Management** allows the operator to manage his travel speed, according to the position of his foot on the accelerator pedal. For example, a certain speed can be maintained both on the flat and on a gradient, without the need to depress the pedal further. The system also compensates for hydraulic operation and drawbar pull.
- ▲ **Dynamic Auto Deceleration System;** as with the DuraMatch™, the operator can slow the truck down without using the brake and the rate of braking is determined by the dashboard settings 1-10. In addition, thanks to the Throttle Response Management feature, the rate of deceleration can be further fine-tuned according to the rate at which the driver releases his foot from the accelerator pedal.
- ▲ **Auto-Speed Hydraulics with Automatic Inching Control;** when lifting a load, the engine speed is automatically increased to provide full hydraulic power. The Pacesetter VSM™ maintains the current travel speed (or prevents travel) until operator steps on accelerator. No operator inching is required and productivity is increased by simplifying operator actions.
- ▲ **First Gear** offers **Increased Drawbar Pull** for use on gradients.
- ▲ **Second Gear** provides maximum engine efficiency in applications where longer travel distances are common.



The transmissions are compatible with the combi-cooler radiator and a superior counterweight tunnel design coupled with a "pusher" type fan, to provide the industry's best cooling.

The available Oil-immersed brakes offer reduced maintenance and repair time and costs, which results in extended truck dependability and uptime.

Trucks fitted with Oil-immersed brakes are ideally suited to applications in wet, dirty or corrosive environments, and ensure consistent braking performance over the lifetime of the truck. This is thanks to the sealed unit that houses and protects the brakes, so preventing contaminants and damage.

All powertrains are controlled, protected and managed by **The Pacesetter VSM™** industrial onboard computer, featuring a CANbus communications network.

This system permits adjustment and optimisation of the truck's performance, in addition to monitoring key functions. It enables quick, easy diagnostics, minimizing repair downtime and unnecessary parts swapping.

Hassle-Free Hydraulic systems, featuring Leak-free O-ring face seal fittings reduce leaks for enhanced reliability.

Non-mechanical, Hall-Effect sensors and switches have been fitted and are designed to outlast the life of the truck.

Load Sensing Hydraulics (LSH), where available, deliver increased operational efficiency, providing a 15% reduction in fuel consumption on the VDI cycle, with no loss in productivity\*. Variable displacement piston pumps match the flow rate and lifting speed continuously to the demands of the duty cycle. The engine therefore supplies only power to the

hydraulic pumps when required, so more power is available for driving. This provides increased responsiveness and acceleration, which increases productivity and lowers fuel

consumption, reducing overall operating costs.

With LSH Hyster also offers an ECO-eLo (Fuel Efficiency) mode, reducing engine speed by 20% and optimizing throttle response, so that the truck operates in the most economical power range. This results in a reduction in fuel consumption of a further 5%\*, but has a limited effect on overall truck productivity under application conditions. The ECO-eLo mode also delivers lower noise levels by up to 3dB(A). If a faster work rate, or higher productivity is required, the truck can easily be reprogrammed to HiP (High Performance) mode of operation through the dash display, with access secured by a unique customer password.

(\*Hyster Productivity Test Cycle: Load Sensing Hydraulics and ECO-eLo functions are available on trucks with TouchPoint mini-levers and DuraMatch transmissions).

The operator compartment features class-leading **Ergonomics** for maximum driver comfort and productivity.

- ▲ Operator space is optimised, thanks to a new overhead guard design and significantly more floor space.
- ▲ The Easy-to-use 3-point entry design of operator compartment has an open non-slip step with a height of just 42.5 cm.
- ▲ The Full Suspension Seat together with the isolated powertrain provide best in class Whole-Body Vibration levels of 0.6m/s<sup>2</sup>, ensuring that the operator remains comfortable throughout the shift and fatigue, aches and pains are kept to a minimum.
- ▲ The new mini-lever armrest features a new contoured design, and - in addition to the hydraulic functions - features a horn and direction switch, ensuring that all key truck functions are within constant, easy reach.
- ▲ The Rear grab handle with horn button facilitates reverse driving.
- ▲ An infinitely adjustable steering column, 30 cm diameter steering wheel with spinner knob and full-suspension seat enhance driver comfort.

The Hyster Fortens is the fastest and easiest lift truck to **Service**.

- ▲ Complete cowl-to-counterweight service access and simplified layout of wiring and hydraulics offers greater access to components, which in turn decreases service time for unscheduled repairs and regular maintenance.
- ▲ Fast, colour-coded daily checks and diagnostic systems can be managed via the dash display.
- ▲ An Engine coolant change and Hydraulic oil change interval of 4 000 hours also contributes to reduced downtime.



## Branches

### VICTORIA

#### Melbourne - Springvale (Head Office)

📍 1574 Centre Rd  
Springvale, VIC, 3171  
☎ [03] 9547 8000

#### Melbourne - Truganina

📍 42-44 Jessica Way  
Truganina, VIC, 3029  
☎ [03] 9394 4090

### NEW SOUTH WALES

#### Sydney (State Office)

📍 219 Newton Rd  
Wetherill Park, NSW, 2164  
☎ [02] 8788 1777

#### Port Kembla

📍 20-26 Flinders Street  
Port Kembla, NSW, 2505  
☎ 13 22 54

### QUEENSLAND

#### Brisbane (State Office)

📍 11 Lombank Street  
Acacia Ridge, QLD, 4110  
☎ [07] 3373 5111

#### Rockhampton

📍 62 Glenmore Road  
Park Avenue, Rockhampton  
QLD 4701  
☎ [07] 4922 8874

#### Townsville

📍 39 Duckworth Street  
Garbutt, QLD, 4814  
☎ [07] 4778 2000

### SOUTH AUSTRALIA/ NORTHERN TERRITORY

#### Adelaide (State Office)

📍 18-22 Churchill Rd. Nth.  
Dry Creek, SA, 5094  
☎ [08] 8360 3444

### WESTERN AUSTRALIA

#### Perth (State Office)

📍 Unit 1, 1-9 Kurnall Road  
Welshpool, WA, 6106  
☎ [08] 9352 9200

#### Karratha

📍 Lot 3873-Pemberton Road  
Karratha, WA, 6714  
☎ 13 22 54

### TASMANIA

#### Spreyton

📍 87a Devonport Road  
Spreyton, TAS, 7310  
☎ [03] 6427 3966

## Service Centres

### VICTORIA

Bendigo  
Warrnambool  
Ballarat  
Shepparton  
Wondonga  
Mildura

### TASMANIA

Hobart  
Launceston  
Burnie

### NEW SOUTH WALES

Dubbo  
Griffith  
Tamworth  
Newcastle  
Wollongong  
Canberra  
Tumut  
Bathurst  
Wagga Wagga  
Albury  
Gosford  
Coffs Harbour

### QUEENSLAND

Rockhampton  
Mackay  
Cairns  
Gladstone  
Townsville  
Mt Isa  
Toowoomba  
Gold Coast  
Sunshine Coast

### SOUTH AUSTRALIA/NT

Riverland  
Darwin

### WESTERN AUSTRALIA

Margaret River



# 13 22 54

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