



STRONG PARTNERS. TOUGH TRUCKS.

IC Counterbalanced Lift Trucks H4.0-5.5FT Fortens / Fortens Advance / Fortens Advance+

4 000 – 5 500 kg



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

| | | | иис | TER | HYS | TED | шис | STER | шис | STER | பப | STER |
|------------|---|---|-----------------------|------------------|--------------------------------|--------|--------------------------------|--------------|--------|-----------|-------------------------|-----------------------|
| 1.1 | Manufacturer | | HTS | iich | nts | ich | HT2 |) CH | HTS | ICH | nt. | oren. |
| 1.2 | Model designation | | H4.0 | DFT5 | H4.0 | DFT5 | H4. | 0FT6 | H4. | DFT6 | H4.5 | FTS5 |
| | Model - Manufacturer designation | | For | tens | Fort | tens | For | tens | For | tens | For | rtens |
| | Engine / transmission | | Cummins 3.3 | BL DuraMatch | GM 4.3L [| | Cummins 3.3 | BL DuraMatch | | DuraMatch | Cummins 3.3 | 3L DuraMatch |
| | Brake type | | | Drum | ADS | | | Drum | | Drum | | Drum |
| 1.3 | Power: battery, diesel, LPG, electric mains | | | esel | | PG . | | esel | | PG | | esel |
| 1.4 | Operation: manual, pedestrian, stand, seat, orderpicker | | | eat | | eat | | eat | | eat | | eat |
| 1.5 | Load capacity | Q (kg) | - | 000 | | 000 | | 000 | | 000 | | 500 |
| 1.6 | Load centre | c (mm) | | 00 | | 00 | | 00 | | 00 | | 000 |
| 1.8 | Load distance | x (mm) | 52 | | 52: | | | 2,1 | | 2,1 | | 22,1 |
| 1.9 | Wheelbase | y (mm) | 10 | 330 | 1.8 | 330 | 10 | 830 | 10 | 330 | | 830 |
| 2.1 | Unladen weight | kg | 6.2 | 298 | 6.0 | 033 | 6.6 | 672 | 6.2 | 243 | 6 | 630 |
| 2.2 | Axle loading with load, front/rear | kg | 8 849 | 1 077 | 8 464 | 1 198 | 8 910 | 1 390 | 8 999 | 1 243 | 9 496 | 1 216 |
| 2.3 | Axle loading without load, front/rear | kg | 2 923 | 3 375 | 2 603 | 3 429 | 3 003 | 3 669 | 2 561 | 3 682 | 2 829 | 3 801 |
| | r_ | | | _ | | _ | | | | | | |
| 3.1 | Tyres: L=pneumatic, V=solid, SE=pneumatic-shaped solid | | | SE | | E | | SE | | SE | | SE |
| 3.2 | Tyre size, front | | | x 15 | | x 15 | | x 15 | | x 15 | |) x 15 |
| 3.3 | Tyre size, rear | | 2X | x 12 | 2X | x 12 | 2X | x 12 | 2X | x 12 | 2X | 0 x 12 |
| 3.5 | Number of wheels, front/rear (X = driven) | b ₁₀ (mm) | | 152 | | 2 | | 152 | | 152 | | 152 |
| 3.6 | Track width, front Track width, rear | b ₁₀ (mm) | | 136 | 11 | | | 136 | | 136 | | 136 |
| 0.1 | Tradit wilding roat | -11 () | | | | | | | | | | 100 |
| 4.1 | Mast tilt, α = forward/ β = back | degrees | 6 | 10 | 6 | 10 | 6 | 10 | 6 | 10 | 6 | 10 |
| 4.2 | Height of mast, lowered | h ₁ (mm) | 2 1 | 175 | 2 1 | 175 | 2 - | 175 | 2 - | 175 | 2 | 215 |
| 4.3 | Free lift ¶ | h ₂ (mm) | | 00 | 10 | | | 00 | | 00 | | 00 |
| 4.4 | Lift height ¶ | h ₃ (mm) | | 000 | 3 0 | | | 000 | | 3 000 2 | | 740 |
| 4.5 | Height of mast, extended + | h ₄ (mm) | | 315 | | 315 | | 815 | | 315 | | 730 |
| 4.7 | Overhead guard height ■ | h ₆ (mm) | | 258 | 2 2 | | | 258 | | 258 | | 258 |
| 4.8 | Seat height O | h ₇ (mm) | | 159 | 11 | | 1 159 | | | 159 | | 159 |
| 4.12 | Towing coupling height | h ₁₀ (mm) | | 29 | 429 | | 429 | | | 429 429 | | |
| 4.19 | Overall length | I ₁ (mm) | | 945 | 3 9 | | 4 176 2 976 | | 4 176 | | | |
| 4.20 | Length to face of forks | I ₂ (mm) | | 945 185 1 773 | 2 945 1 402 1 485 1 773 | | 2 976 1 402 1 485 1 773 | | 2 976 | | 1 485 1 773 1 402 1 485 | |
| 4.21 | Overall width, standard/wide/dual drive Fork dimensions | b ₁ /b ₂ (mm) s/e/l (mm) | | | | | | | 1 402 | | | 485 1 773 50 1 200 |
| 4.23 | Fork carriage DIN 15173. Class, A/B | 3/6/1 (11111) | 50 125 1 000 III A | | 50 125 1 000 III A | | 50 125 1 200 III A | | | I A | | / A |
| 4.24 | Fork carriage width ● | b ₃ (mm) | | 219 | 1.2 | | | 219 | | 219 | | 219 |
| 4.31 | Ground clearance under mast, with load | m ₁ (mm) | | 51 | 15 | | | 50 | | 50 | | 94 |
| 4.32 | Ground clearance, centre of wheelbase | m ₂ (mm) | | 94 | | 94 | | 94 | | 94 | | 94 |
| 4.33 | Aisle width with pallets 1 000 mm x 1 200 mm wide ◆ | Ast (mm) | 4.3 | 388 | 4.3 | 388 | 4 4 | 417 | 4 4 | 117 | 4 - | 437 |
| 4.34 | Aisle width with pallets 800 mm x 1 200 mm long ◆ | Ast (mm) | 4.5 | 527 | 4 5 | 527 | 4 5 | 556 | 4 5 | 556 | 4 | 576 |
| 4.35 | Outer turning radius | W _a (mm) | 2.5 | 570 | 2.5 | 570 | 2 5 | 599 | 2 5 | 599 | 2 | 619 |
| 4.36 | Inner turning radius | b ₁₃ (mm) | 5 | i0 | 5 | 0 | 5 | 50 | 5 | 50 | Ę | 50 |
| 5.1 | Travel speed with/without load | km/h | 18,7 | 19,5 | 18,7 | 19,5 | 18,7 | 19,5 | 18,7 | 19,5 | 18,7 | 19,5 |
| 5.2 | Lifting speed with/without load | m/sec | 0,60 | 0,66 | 0,61 | 0,62 | 0,60 | 0,66 | 0,61 | 0,62 | 0,48 | 0,53 |
| 5.3 | Lowering speed with/without load | m/sec | 0,55 | 0,47 | 0,55 | 0,47 | 0,55 | 0,47 | 0,55 | 0,47 | 0,51 | 0,42 |
| 5.5 | Drawbar pull with/without load @ 1,6 km/h | N | 25 500 | 17 500 | 24 800 | 16 800 | 25 400 | 18 000 | 24 700 | 16 500 | 25 300 | 17 000 |
| 5.6 | Maximum drawbar pull with/without load | N | 28 600 | 17 500 | 27 600 | 16 800 | 28 600 | 18 000 | 27 500 | 16 500 | 28 500 | 17 000 |
| 5.7 | Gradeability with/without load @ 4,8 km/h † | % | 20,2 | 29,6 | 20,9 | 29,6 | 19,0 | 28,7 | 19,5 | 28,1 | 18,5 | 27,1 |
| 5.8 | Maximum gradeability with/without load @ 1,6 km/h † | % | 27,1 | 29,6 | 27,1 | 29,6 | 25,4 | 28,7 | 25,4 | 28,1 | 24,8 | 27,1 |
| 5.10 | Service brake | | Hydr | raulic | Hydr | aulic | Hydi | raulic | Hydi | raulic | Hyd | raulic |
| 7.1 | Engine manufacturer/type | | Cummin | s QSB3.3 | GM | 4.31 | Cummin | s QSB3.3 | GM | 4.3L | Cummin | ns QSB3.3 |
| 7.2 | Engine output, in accordance with ISO 1585 | kW | | 0 | | 7 | | 60 | | 7 | | 60 |
| 7.3 | Governed speed | rpm | | 200 | | 100 | | 200 | | 400 | | 200 |
| 7.4 | Governed speed Number of cylinders/displacements | | 4 | 3 261 | 6 | 4 302 | 4 | 3 261 | 6 | 4 302 | 4 | 3 261 |
| | Number of cylinders/displacements | | | - | | | | • | | • | | • |
| | Drive control | | | matic | Auto | | | matic | | matic | | matic |
| 8.1 | Working pressure for attachments | bar | 15 | 55 | 18 | 55 | | 55 | | 55 | | 55 |
| 8.2 | | | | | | | | | | | | |
| 8.2 8.3 | Oil flow for attachments ¤ | I/min | | 3,3 | 83 | | | 3,3 | | 3,3 | | 3,3 |
| 8.2 | | I/min dB (A) dB | 79 | 79 04 | 82 82 | 80 | 79 | 79 04 | 82 | 80 05 | 79 | 79 |

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.

| HYS | TER | HYS | TER | HY | STER | HYS | STER | HYS | TER | HYS | TER | HYS | STER | |
|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------------------|
| | | | | | | | | | | | | | | 1.1 |
| H4.5 | | | FT6 | | 5FT6 | H5 | .0FT | | 0FT | | 5FT | | .5FT | 1.2 |
| | tens | | tens | | rtens | | tens | | tens | | tens | | tens | 유 |
| | DuraMatch - | | BL DuraMatch | | DuraMatch | | 3L DuraMatch | | DuraMatch | | BL DuraMatch | | DuraMatch | lIAR |
| | Drum | | Brakes | CTE CTE |
| LF | | | esel | | PG | | esel | | PG | | esel | | PG | 1.3 1.4 |
| Se 4 5 | | | eat 500 | | eat 500 | | eat 000 | | eat 000 | | eat 500 | | eat 500 | 1.4 1.5 |
| | 00 | | 000 | | 500 | | 00 | | 00 | | 00 | | 00 | 1.6 |
| 52 | | | 90 | | i90 | | 90 | | 90 | | 90 | | 90 | 1.8 |
| 1.8 | | | 100 | | 100 | | 100 | | 100 | | 100 | | 100 | 1.9 |
| | | | | | | | | | | | | | | |
| 6.3 | 368 | 7 2 | 224 | 6 | 939 | 7 5 | 523 | 7 2 | 244 | 7.8 | 308 | 7 : | 529 | 2.1 |
| 9 095 | 1 356 | 10 596 | 1 164 | 10 265 | 1 210 | 11 241 | 1 272 | 10 913 | 1 320 | 11 882 | 1 370 | 11 555 | 1 417 | 2.1 WEIGHTS 2.2 2.3 |
| 2 526 | 3 842 | 3 473 | 3 751 | 3 152 | 3 787 | 3 406 | 4 117 | 3 089 | 4 155 | 3 335 | 4 474 | 3 016 | 4 513 | 2.3 |
| |) F | | | | 0.5 | | | | | | · · | |) | 0.4 |
| | x 15 | | x 15 | | SE) x 15 | | X 15 | | x 15 | | x 15 | | x 15 | 3.1 |
| | x 12 | | 9 - 15 | | 9 - 15 | | 9 - 15 | | 9 - 15 | | 9 - 15 | | 9 - 15 | 3.2 |
| 2X | 2 | 3.5 |
| 1 1 | | | 150 | | 150 | | | | | | 150 | | 150 | 3.2 WHEELS & TYRES 3.5 3.6 |
| 1 1 | | | 136 | | 136 | | 1 150 | | | 136 | | 136 | 3.7 | |
| | | | | | | | | | | | | | | |
| 6 | 10 | 6 | 10 | 6 | 10 | | | | | 6 | 10 | 6 | 10 | 4.1 |
| | 215 | | 215 | | 215 | | | | | | 215 | | 215 | 4.2 |
| 2 7 | 740 | | 00 740 | | 740 | | 740 | | 740 | | 740 | | 740 | 4.3 |
| 37 | | | 730 | | 730 | | 730 | | 730 | | 730 | | 730 | 4.4 4.5 |
| 2 2 | | | 300 | | 300 | | 300 | | 300 | | 300 | | 300 | 4.7 |
| 1 1 | | 12 | | | 201 | | 201 | | 201 | | 201 | | 201 | 4.8 |
| | 29 | | 72 | | 172 | | 72 | | 72 | | 72 | | 72 | 4.12 |
| 4 1 | 197 | 4 4 | 156 | 4 | 456 | 4 | 499 | 4.4 | 199 | 4 5 | 540 | 4 : | 540 | 4.40 |
| 2.9 | 997 | 3 2 | 256 | 3 | 256 | 3 2 | 299 | 3 2 | 299 | 3 3 | 340 | 3 : | 340 | 4.20 |
| 1 402 1 4 | 1 773 | 1 450 1 5 | 75 1 875 | 1 450 1 | 575 1 875 | 1 450 1 5 | 75 1 875 | 1 450 1 5 | 75 1 875 | 1 450 1 5 | 75 1 875 | 1 450 1 5 | 75 1 875 | 4.19 DIMENSIONS 4.21 4.22 |
| | 50 1 200 | 60 1 | | | 50 1 200 | 60 1 | 50 1 200 | | 50 1 200 | 60 1 | 50 1 200 | 60 1 | 50 1 200 | 4.22 |
| I۷ | | | ' A | | V A | | / A | | ′ A | | ′ A | | / A | 4.23 |
| 1.2 | | | 219 | | 219 | | 219 | | 219 | | 219 | | 219 | 4.24 |
| | 94 94 | 2: | 94 | | 94 | | 94 37 | | 94 37 | | 94 37 | | 94 37 | 4.31 |
| 4 4 | | | 595 | | 695 | | 735 | | 735 | | 773 | | 773 | 4.32 4.33 |
| | 576 | | 347 | | 847 | | 887 | | 387 | | 925 | | 925 | 4.33 |
| 26 | | 2.8 | | | 837 | | 877 | | 377 | | 915 | | 915 | 4.35 |
| | 50 | 10 | | | 31 | | 31 | | 31 | | 31 | | 31 | 4.36 |
| | | | | | | | | | | | | | | |
| 18,7 0.56 | 19,5 0,57 | 18,1 0.48 | 18,4 0.53 | 18,2 0,56 | 18,5 0.57 | 18,1 0,48 | 18,4 0,53 | 18,2 0,56 | 18,5 0.57 | 18,1 0,48 | 18,4 0.53 | 18,2 | 18,5 0,57 | 5.1 |
| 0,56 | 0,57 | 0,48 | 0,53 | 0,56 | 0,57 | 0,48 | 0,53 | 0,56 | 0,57 | 0,48 | 0,53 | 0,56 0,51 | 0,57 | 5.2 5.3 |
| 24 700 | 16 300 | 25 900 | 21 300 | 25 100 | 20 200 | 25 700 | 20 900 | 25 000 | 20 000 | 25 600 | 20 600 | 25 000 | 19 700 | 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 | 17,0 | 28,1 | 17,5 | 31,1 | 15,9 | 26,6 | 16,3 | 29,4 | 14,9 | 25,3 | 16,5 | 27,7 | 5.3 5.5 5.6 5.7 |
| 24,8 | 27,1 | 23,0 | 31,5 | 22,9 | 31,1 | 21,5 | 29,6 | 21,3 | 29,4 | 20,1 | 27,9 | 21,7 | 27,7 | 5.8 |
| Hydr | raulic | Hydr | aulic | Нус | raulic | Hydi | raulic | Hydi | aulic | Hydi | raulic | Hyd | raulic | 5.10 |
| GM | 4.3L | Cummin | s QSB3.3 | GM | 4.3L | Cummin | s QSB3.3 | GM | 4.3L | Cummin | s QSB3.3 | GM | 4.3L | 7.1 |
| | 7 | | 0 | | 77 | | 60 | | 7 | | 60 | | 77 | |
| | 100 | | 200 | | 400 | | 200 | | 100 | | 200 | | 400 | 7.2 7.3 |
| 6 | 4 302 | 4 | 3 261 | 6 | 4 302 | 4 | 3 261 | 6 | 4 302 | 4 | 3 261 | 6 | 4 302 | 7.4 |
| | | | | | | | | | | | | | | |
| | matic | | matic | | omatic | | matic | | matic | | matic | | matic | 8.1 |
| | 55 3,3 | 8.2 8.3 |
| 82 | 80 | 79 | 79 | 82 | 80 | 79 | 79 | 82 | 80 | 79 | 79 | 82 | 80 | 8.3 |
| | 05 | | 04 | | 05 | | 04 | | 05 | | 04 | | 05 | JT |
| | 'in | | in | | Pin | | Pin | | in | | in | | in | 8.5 |
| | | | | | | | | | | | | | | |

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

| 1.1 | Manufacturer | | HYS | TER | HYS | TER | HYS | TER | HYS | TER | HY: | STER |
|--------------|--|--|-------------|---------------|--------------|--------------|----------------|--------------|--------------|--|--------------|--------------|
| 1.2 | Model designation | | H4, | OFT5 | H4.0 | OFT5 | H4. | OFT6 | H4, | 0FT6 | H4.5 | FTS5 |
| | Model - Manufacturer designation | | | Advance | | Advance | | Advance | | Advance | | Advance |
| | Engine / transmission | | Cummins 3.3 | L DuraMatch 2 | GM 4.3L D | uraMatch2 | Cummins 3.3 | L DuraMatch2 | GM 4.3L E | uraMatch2 | Cummins 3.3 | L DuraMatch |
| | Brake type | | ADS Drum o | r Wet Brakes | ADS Drum o | r Wet Brakes | ADS Drum o | r Wet Brakes | ADS Drum o | r Wet Brakes | ADS Drum (| or Wet Brake |
| 1.3 | Power: battery, diesel, LPG, electric mains | | Die | esel | LF | PG . | Die | esel | L | PG | Di | esel |
| 1.4 | Operation: manual, pedestrian, stand, seat, orderpicker | | Si | eat | Se | eat | S | eat | Si | eat | S | eat |
| 1.5 | Load capacity | Q (kg) | 4 (| 000 | 4 (| 000 | 4 | 000 | 4 (| 000 | 4 | 500 |
| 1.6 | Load centre | c (mm) | 5 | 00 | 51 | 00 | 6 | 00 | 6 | 00 | 5 | 00 |
| 1.8 | Load distance | x (mm) | 52 | 2,1 | 52 | 2,1 | 52 | 2,1 | 52 | 2,1 | 52 | 22,1 |
| 1.9 | Wheelbase | y (mm) | 1.8 | 330 | 1.8 | 330 | 13 | 330 | 1.8 | 330 | 1 | 830 |
| 2.1 | Unladen weight | kg | 6.3 | 298 | 6.0 |)33 | 6. | 672 | 6.5 | 243 | 6 | 630 |
| 2.2 | Axle loading with load, front/rear | kg | 8 849 | 1 077 | 8 464 | 1 198 | 8 910 | 1 390 | 8 999 | 1 243 | 9 496 | 1 216 |
| 2.3 | Axle loading without load, front/rear | kg | 2 923 | 3 375 | 2 603 | 3 429 | 3 003 | 3 669 | 2 561 | 3 682 | 2 829 | 3 801 |
| 0.4 | | | SE | | | - | , |)- | SE | | | n= |
| 3.1 | Tyres: L=pneumatic, V=solid, SE=pneumatic-shaped solid | | | | | E 45 | | SE 45 | | | | SE |
| 3.2 | Tyre size, front | | | x 15 | | x 15 | | x 15 | | x 15 | | x 15 |
| 3.3 | Tyre size, rear | | 2X | x 12 | 7,00 2X | x 12 | 2X | x 12 | 7,00 2X | x 12 | 7,00 2X | 0 x 12 |
| | Number of wheels, front/rear (X = driven) | h (mm) | | | | | | | | | | |
| 3.6 | Track width, front Track width, rear | b ₁₀ (mm) b ₁₁ (mm) | | 152 136 | | 136 | | 152 136 | | 152 136 | | 152 136 |
| 0.7 | Track water, roar | -11 () | | | | | | | | | | 100 |
| 4.1 | Mast tilt, α = forward/ β = back | degrees | 6 | 10 | 6 | 10 | 6 | 10 | 6 | 10 | 6 | 10 |
| 4.2 | Height of mast, lowered | h ₁ (mm) | | 175 | | 175 | | 175 | | 175 | | 215 |
| 4.3 | Free lift ¶ | h ₂ (mm) | | 00 | | 00 | | 00 | | 00 | | 00 |
| 4.4 | Lift height ¶ | h ₃ (mm) | | 000 | | 000 | | 000 | | 000 | | 740 |
| 4.5 | Height of mast, extended + | h ₄ (mm) | | 315 | | 315 | | 315 | | 315 | | 730 |
| 4.7 | Overhead guard height ■ | h ₆ (mm) | | 258 | | 258 | | 258 | | 258 | | 258 |
| 4.8 | Seat height O | h ₇ (mm) | | 159 | | 159 | 1 159 | | | 1 159 1 159 | | |
| 4.12 | Towing coupling height | h ₁₀ (mm) | | 29 | 429 | | 429 | | | 429 429 | | |
| 4.19 | Overall length | I ₁ (mm) | | 945 | 3 945 | | 4 176 | | 4 176 | | | |
| 4.20 | Length to face of forks | I ₂ (mm) | | 945 | 2 945 | | 2 976 | | | 2 976 2 9 1 402 1 485 1 773 1 402 1 4 | | |
| 4.21 | Overall width, standard/wide/dual drive | b ₁ /b ₂ (mm) | | 185 1 773 | | 185 1 773 | | 485 1 773 | | | | 485 1 77 |
| 4.22 | Fork dimensions | s/e/I (mm) | | 25 1 000 | | 25 1 000 | 50 125 1 200 | | | 125 1 200 60 150 | | _ |
| 4.23 | Fork carriage DIN 15173. Class, A/B | | | I A | III A | | III A 1 219 | | | III A | | |
| 4.24 | Fork carriage width ● | b ₃ (mm) | | 219 | 1 219 | | | | | 1 219 1 219 | | |
| 4.31 | Ground clearance under mast, with load | m ₁ (mm) | | 51 | | 51 | | 50 | | 50 | | 94 |
| 4.32 | Ground clearance, centre of wheelbase | m ₂ (mm) | | 94 | | 94 | | 94 | | 94 | | 94 |
| 4.33 | Aisle width with pallets 1 000 mm x 1 200 mm wide ◆ | Ast (mm) | | 388 | | 388 | | 417 | | 417 | | 437 |
| 4.34 | Aisle width with pallets 800 mm x 1 200 mm long ◆ | Ast (mm) | | 527 | | 527 | | 556 | | 556 | | 576 |
| 4.35 4.36 | Outer turning radius Inner turning radius | W _a (mm) b ₁₃ (mm) | | 570 50 | | 570 i0 | | 599 50 | | 599 50 | | 619 50 |
| 1.00 | Timor tarning radia | -13 () | | | | | | | | | | |
| 5.1 | Travel speed with/without load | km/h | 20,7 | 21,6 | 23,3 | 24,4 | 20,7 | 21,6 | 23,3 | 24,4 | 20,7 | 21,6 |
| 5.2 | Lifting speed with/without load Lowering speed with/without load | m/sec m/sec | 0,60 | 0,66 0,47 | 0,61 0,55 | 0,62 0,47 | 0,60 0,55 | 0,66 0,47 | 0,61 0,55 | 0,62 0,47 | 0,48 0,51 | 0,53 0,42 |
| 5.5 | Drawbar pull with/without load @ 1,6 km/h | N | 32 900 | 17 500 | 29 400 | 16 800 | 32 800 | 18 000 | 29 300 | 16 500 | 32 800 | 17 000 |
| 5.6 | Maximum drawbar pull with/without load | N | 38 800 | 17 500 | 33 500 | 16 800 | 38 700 | 18 000 | 33 400 | 16 500 | 38 700 | 17 00 |
| 5.7 | Gradeability with/without load @ 4,8 km/h † | % | 24,6 | 29,6 | 23,4 | 29,6 | 23,6 | 28,7 | 21,8 | 28,1 | 22,6 | 27,1 |
| 5.8 | Maximum gradeability with/without load @ 1,6 km/h † | % | 35,9 | 29,6 | 32,7 | 29,6 | 34,4 | 28,7 | 30,5 | 28,1 | 32,8 | 27,1 |
| 5.10 | Service brake | | Hydi | raulic | Hydi | aulic | Hyd | raulic | Hydi | raulic | Hyd | raulic |
| 7.1 | Engine manufacturer/type | | Cummin | s QSB3.3 | GM | 4.3L | Cummin | s QSB3.3 | GM | 4.3L | Cummir | s QSB3.3 |
| 7.2 | Engine output, in accordance with ISO 1585 | kW | 6 | 60 | 7 | 7 | (| 60 | 7 | 77 | (| 60 |
| 7.3 | Governed speed | rpm cm ³ | | 200 | | 100 | | 200 | | 400 | | 200 |
| 7.4 | Number of cylinders/displacements | | 4 | 3 261 | 6 | 4 302 | 4 | 3 261 | 6 | 4 302 | 4 3 261 | |
| 8.1 | Drive control | | Auto | matic | Auto | matic | Auto | matic | Auto | matic | Auto | matic |
| 8.2 | Working pressure for attachments | bar | 1: | 55 | 15 | 55 | 1 | 55 | 1 | 55 | 1 | 55 |
| 8.3 | Oil flow for attachments ¤ | I/min | 83 | 3,3 | | 3,3 | 8 | 3,3 | 83 | 3,3 | | 3,3 |
| 8.4 | Average noise level at operator's ear no cab/cab (Lpaz) \diamondsuit | dB (A) | 79 | 79 | 82 | 80 | 79 | 79 | 82 | 80 | 79 | 79 |
| | Guaranteed sound power 2001/14/EC (Lwaz) | dB | 1 | 04 | 10 | 05 | 1 | 04 | 1 | 05 | 1 | 04 |
| | | | | | | | | | | | | |

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.

| HYS | TER | HYS | TER | HYS | TER | HYS | STER | HYS | TER | HYS | TER | HYS | TER | |
|-------------|--------------|---|-------------------------|-----------------------|------------|-------------|--------------|-----------|------------|-------------|--------------|-----------|-----------|------------------------------|
| | | | | | | | | | | | | | | 1.1 |
| H4.5 | FTS5 | H4.5 | 5FT6 | H4.5 | 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 D | OuraMatch2 | Cummins 3.3 | L DuraMatch2 | GM 4.3L [| OuraMatch2 | Cummins 3.3 | L DuraMatch2 | GM 4.3L E | OuraMatch2 | Cummins 3.3 | L DuraMatch2 | GM 4.3L D | uraMatch2 | 1.3 1.4 |
| | r Wet Brakes | | Brakes | | Brakes | | Brakes | | Brakes | | Brakes | | Brakes | RA RA |
| | PG | | esel | | PG | | esel | | PG | Die | | | PG | 1.3 |
| | | | | | | | | | | | | | | 1.3 |
| Se | | | eat | | eat | | eat | | eat | | eat | | eat | 1.4 |
| 4.5 | 500 | 4.5 | 500 | 4 : | 500 | 5 (| 000 | 5 (| 000 | 5.5 | 500 | 5.5 | 500 | 1.5 |
| 50 | 00 | 6 | 00 | 6 | 00 | 6 | 00 | 6 | 00 | 60 | 00 | 60 | 00 | 1.6 |
| 52: | 2,1 | 59 | 90 | 5 | 90 | 5' | 90 | 5 | 90 | 59 | 90 | 59 | 90 | 1.8 |
| 1.8 | 830 | 2 1 | 100 | 2 · | 100 | 2- | 100 | 2 - | 100 | 2 1 | 100 | 2 * | 100 | 1.9 |
| | | | | | | | | | 100 | | | | 00 | 1.0 |
| 0.0 | 200 | 7.0 | 204 | 0. | 200 | 7. | 500 | 7. | 044 | 7. | 200 | 7. | -00 | 0.4 |
| | 368 | | 224 | | 939 | | 523 | | 244 | | 308 | | 529 | 2.1 WEIGHTS 2.2 2.3 |
| 9 095 | 1 356 | 10 596 | 1 164 | 10 265 | 1 210 | 11 241 | 1 272 | 10 913 | 1 320 | 11 882 | 1 370 | 11 555 | 1 417 | 2.2 |
| 2 526 | 3 842 | 3 473 | 3 751 | 3 152 | 3 787 | 3 406 | 4 117 | 3 089 | 4 155 | 3 335 | 4 474 | 3 016 | 4 513 | 2.3 |
| | | | | | | | | | | | | | | |
| S | SE | S | SE . | 5 | SE | 5 | SE | | SE | ş | SE | 8 | SE . | 3.1 |
| | x 15 | | x 15 | | x 15 | | x 15 | | x 15 | | x 15 | | x 15 | 3.2 |
| | 1 x 12 | | 9 - 15 | | 9 - 15 | | 9 - 15 | | 9 - 15 | | 9 - 15 | | 9 - 15 | |
| | | | | | | | | | | | | | | 3.3 |
| 2X | 2 | 2X | 2 | 2X | 2 | 2X | 2 | 2X | 2 | 2X | 2 | 2X | 2 | 3.5 |
| 11 | 152 | 11 | 150 | 11 | 150 | 11 | 150 | 1. | 150 | | 150 | | 150 | 3.6 |
| 11 | 136 | 11 | 136 | 11 | 136 | 11 | 136 | 11 | 136 | 11 | 136 | 11 | 136 | 3.7 |
| | | | | | | | | | | | | | | |
| 6 | 10 | 6 | 10 | 6 | 10 | 6 | 10 | 6 | 10 | 6 | 10 | 6 | 10 | 4.1 |
| | 215 | | 215 | | 215 | | 215 | | 215 | | 215 | | 215 | 4.2 |
| _ | | | | | | | | | | | | | | |
| | 00 | | 00 | | 00 | | 00 | | 00 | | 00 | | 00 | 4.3 |
| 2 7 | 740 | 2 7 | 740 | 2 7 | 740 | 2 7 | 740 | 2 7 | 740 | 2 7 | 740 | 2.7 | 740 | 4.4 |
| 3 7 | 730 | 3 7 | 730 | 3 7 | 730 | 3 7 | 730 | 3 7 | 730 | 37 | 730 | 3 7 | ′30 | 4.5 |
| 2 2 | 258 | 2.3 | 300 | 2: | 300 | 23 | 300 | 23 | 300 | 2 3 | 300 | 2.3 | 300 | 4.7 |
| 1.1 | 159 | 1.2 | 201 | 17 | 201 | 1.5 | 201 | 1.5 | 201 | 1.5 | 201 | 1.2 | 201 | 4.8 |
| | 29 | | 72 | | 72 | | 72 | | 72 | | 72 | | 72 | 4.12 |
| _ | | | | | | | | | | | | | | |
| 4 1 | | | 156 | | 456 | | 499 | | 499 | | 540 | | 540 | 4.19 |
| 2 9 | 997 | 3 2 | 256 | 3 2 | 256 | 3 2 | 299 | 3 2 | 299 | 3 3 | 340 | 3 3 | 340 | 4.19 4.20 4.21 4.22 |
| 1 402 1 4 | 485 1 773 | 1 450 1 5 | 75 1 875 | 1 450 1 5 | 75 1 875 | 1 450 1 5 | 575 1 875 | 1 450 1 5 | 75 1 875 | 1 450 1 5 | 75 1 875 | 1 450 1 5 | 75 1 875 | 4.21 |
| 60 15 | 50 1 200 | 60 1 | 50 1 200 | 60 1 | 50 1 200 | 60 1 | 50 1 200 | 60 1 | 50 1 200 | 60 15 | 50 1 200 | 60 15 | 50 1 200 | 4.22 |
| IV | / A | I\/ | / A | | / A | 1\ | / A | | / A | D/ | / A | IV: | ' A | 4.23 |
| _ | 219 | | 219 | | 219 | | 219 | | 219 | | 219 | | 219 | 4.24 |
| | | | | | | | | | | | | | | |
| | 94 | | 94 | | 94 | | 94 | | 94 | | 94 | | 94 | 4.31 |
| 19 | 94 | 23 | 37 | 2: | 37 | 2: | 37 | | 37 | 23 | | 23 | | 4.32 |
| 4 4 | 437 | 4 6 | 695 | 4 6 | 695 | 4.7 | 735 | 4 7 | 735 | 4.7 | 773 | 4.7 | 773 | 4.33 |
| 4.5 | 576 | 4.8 | 347 | 4 5 | 847 | 4.8 | 887 | 4.8 | 887 | 4 9 | 925 | 4 9 | 925 | 4.34 |
| 2 6 | | | 337 | | 837 | | 877 | | 877 | | 915 | 2.9 | | 4.35 |
| | 50 | 10 | | | 31 | | 31 | | 31 | | 31 | | 31 | 4.36 |
| | , . | | | | | | ٠. | | | <u> </u> | | | | 7.00 |
| 00.0 | 0 | 00.0 | 00.4 | 00.7 | 00.0 | 00.0 | 00.1 | 00.7 | 00.0 | 00.0 | 00.1 | 00.7 | 00.0 | |
| 23,3 | 24,4 | 22,6 | 23,1 | 22,7 | 23,2 | 22,6 | 23,1 | 22,7 | 23,2 | 22,6 | 23,1 | 22,7 | 23,2 | 5.1 |
| 0,56 | 0,57 | 0,48 | 0,53 | 0,56 | 0,57 | 0,48 | 0,53 | 0,56 | 0,57 | 0,48 | 0,53 | 0,56 | 0,57 | 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 |
| 29 300 | 16 300 | 30 500 | 21 300 | 29 800 | 20 200 | 30 400 | 20 900 | 29 700 | 20 000 | 30 200 | 20 600 | 29 700 | 19 700 | 5.3 5.5 5.6 5.7 |
| 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 | 19,4 | 31,5 | 19,6 | 31,1 | 18,1 | 29,6 | 18,3 | 29,4 | 16,9 | 27,9 | 18,6 | 27,7 | 5.7 |
| 29,8 | 27,1 | 27,4 | 31,5 | 27,5 | 31,1 | 25,5 | 29,6 | 25,5 | 29,4 | 23,9 | 27,9 | 26,1 | 27,7 | 5.8 |
| | | _ | | | | | | | | | | | | |
| Hydr | raulic | Hydi | raulic | Hydi | raulic | Hydi | raulic | Hydi | raulic | Hydr | raulic | Hydr | raulic | 5.10 |
| | | | | | | | | | | | | | | |
| GM | 4.3L | Cummin | s QSB3.3 | GM | 4.3L | Cummin | s QSB3.3 | GM | 4.3L | Cummin: | s QSB3.3 | GM | 4.3L | 7.1 |
| 7 | 77 | 6 | 60 | 7 | 77 | 6 | 60 | 7 | 77 | 6 | 60 | 7 | 7 | 7.2 7.3 |
| 2 4 | 400 | 2.2 | 200 | 2 / | 400 | 2: | 200 | 2.6 | 400 | 2.7 | 200 | 2.4 | 100 | 7.3 |
| 6 | 4 302 | 4 | 3 261 | 6 | 4 302 | 4 | 3 261 | 6 | 4 302 | 4 | 3 261 | 6 | 4 302 | 7.4 |
| U | 7 002 | 7 | 0 201 | 3 261 6 4 302 4 3 261 | | 1 0 201 | J | 7 002 | | 0 201 | | 7 002 | 7.4 | |
| | | | | | | | | | | | | 0.4 | | |
| | matic | Automatic Automatic Automatic Automatic | | | matic | | matic | 8.1 | | | | | | |
| | 55 | | 55 | | 55 | | 55 | | 55 | | 55 | | 55 | 8.2 |
| 83 | 3,3 | 83 | 3,3 | 80 | 3,3 | 83 | 3,3 | 83 | 3,3 | 83 | 3,3 | 83 | 3,3 | 8.3 |
| 00 | 80 | 79 | 79 | 82 | 80 | 79 | 79 | 82 | 80 | 79 | 79 | 82 | 80 | 8.3 |
| 82 | | | | | | | | | | | | | | |
| | 05 | 10 | 104 105 104 105 104 105 | | | | | | | | | | | |
| 10 | 05 Pin | | 04 'in | | 05 Pin | | o4 Pin | | 05 Pin | | in u4 | | in | 8.5 |

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

| | | | ш | STER | பப | STER | ши | TER | ши | STER | ши | TER |
|------------|---|-------------------------------------|----------------------------|------------------|---------|---------------|-----------------------|-----------------|-----------------------|--------------|-------------|-----------------|
| 1.1 | Manufacturer | | nr. | JIEN | 117- | oren . | HT- | ,,en | 1172 | ,,cn | 117- | ,,en |
| 1.2 | Model designation | | H4 | .0FT5 | H4. | 0FT5 | H4. | OFT6 | H4. | OFT6 | H4.5 | FTS5 |
| 2 | Model - Manufacturer designation | | Fortens | Advance + | | Advance + | Fortens / | Advance + | | Advance + | Fortens A | Advance + |
| | Engine / transmission | | Cummins 3.3L | DuraMatch Plus2 | | raMatch Plus2 | | DuraMatch Plus2 | | aMatch Plus2 | | DuraMatch Plus2 |
| | Brake type | | | Brakes | | Brakes | | Brakes | | Brakes | | Brakes |
| 1.3 | Power: battery, diesel, LPG, electric mains | | | esel | | PG | | esel | | PG | | esel |
| 1.4 | Operation: manual, pedestrian, stand, seat, orderpicker | | | leat | | eat | | eat | | eat | | eat |
| 1.5 | Load capacity | Q (kg) | | 000 | | 000 | | 000 | | 000 | | 500 |
| 1.6 | Load centre | c (mm) | | 500 | | 00 | | 00 | | 00 | | 00 |
| 1.8 | Load distance | x (mm) | | 22,1 | | 22,1 | | 2,1 | | 2,1 | 52 | • |
| 1.9 | Wheelbase | y (mm) | 1 | 830 | 1 | 830 | 1 : | 330 | 1 8 | 330 | 1.8 | 330 |
| 2.1 | Unladen weight | kg | 6 | 298 | 6 | 033 | 6 | 672 | 6: | 243 | 6.0 | 630 |
| 2.2 | Axle loading with load, front/rear | kg | 8 849 | 1 077 | 8 464 | 1 198 | 8 910 | 1 390 | 8 999 | 1 243 | 9 496 | 1 216 |
| 2.3 | Axle loading without load, front/rear | kg | 2 923 | 3 375 | 2 603 | 3 429 | 3 003 | 3 669 | 2 561 | 3 682 | 2 829 | 3 801 |
| | | | | | | | | | | | | • |
| 3.1 | Tyres: L=pneumatic, V=solid, SE=pneumatic-shaped solid | | | SE | | SE | | SE | | SE | | Ε |
| 3.2 | Tyre size, front | | |) x 15 | | x 15 | | x 15 | | x 15 | | x 15 |
| 3.3 | Tyre size, rear | | | 0 x 12 | |) x 12 | | x 12 | | x 12 | | x 12 |
| 3.5 | Number of wheels, front/rear (X = driven) | h () | 2X | 2 | 2X | 2 | 2X | 2 | 2X | 2 | 2X | 2 |
| 3.0 | Track width, front | b ₁₀ (mm) | 1 152 1 152 1 136 1 136 | | | | 152 | | 152 | | 152 | |
| 3.7 | Track width, rear | b ₁₁ (mm) | 1 | 136 | 1 | 136 | 1 | 136 | 1. | 136 | 1. | 136 |
| 4.1 | Mast tilt, α = forward/ β = back | degrees | 6 | 10 | 6 | 10 | 6 | 10 | 6 | 10 | 6 | 10 |
| 4.2 | Height of mast, lowered | h ₁ (mm) | 2 | 175 | 2 | 175 | 2 | 175 | 2 . | 175 | 2 : | 215 |
| 4.3 | Free lift ¶ | h ₂ (mm) | | 00 | 1 | 00 | 1 | 00 | 1 | 00 | 1 | 00 |
| 4.4 | Lift height ¶ | h ₃ (mm) | 3 | 000 | 3 | 000 | 3 | 000 | 3 (| 000 | 2 | 740 |
| 4.5 | Height of mast, extended + | h ₄ (mm) | 3 | 815 | 3 | 815 | 3 | 315 | 3 8 | 315 | 3 | 730 |
| 4.7 | Overhead guard height ■ | h ₆ (mm) | 2 | 258 | 2 | 258 | 2 | 258 | 2 2 | 258 | 2 : | 258 |
| 4.8 | Seat height ○ | h ₇ (mm) | 1 | 159 | 1 | 159 | 1 159 | | 11 | 159 | 1 159 | |
| 4.12 | Towing coupling height | h ₁₀ (mm) | 4 | 129 | 4 | 29 | 429 | | 429 | | 429 | |
| 4.19 | Overall length | I ₁ (mm) | 3 | 945 | 3 945 | | 4 176 | | 4 176 | | | |
| 4.20 | Length to face of forks | I ₂ (mm) | 2 | 945 | 2 | 945 | 2 976 | | 2 976 | | 2 997 | |
| 4.21 | Overall width, standard/wide/dual drive | b ₁ /b ₂ (mm) | 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 4 | 185 1 773 |
| 4.22 | Fork dimensions | s/e/I (mm) | 50 | 25 1 000 | 50 1 | 25 1 000 | 50 1 | 25 1 200 | 50 125 12 | | 60 1 | 50 1 200 |
| 4.23 | Fork carriage DIN 15173. Class, A/B | | 1 | II A | III A | | II | I A | ll II | III A | | ' A |
| 4.24 | Fork carriage width ● | b ₃ (mm) | | 219 | | 219 | | 219 | | 219 | | 219 |
| 4.31 | Ground clearance under mast, with load | m ₁ (mm) | | 51 | | 51 | | 50 | | 50 | | |
| 4.32 | Ground clearance, centre of wheelbase | m ₂ (mm) | | 94 | | 94 | | 94 | | 94 | | 94 |
| 4.33 | Aisle width with pallets 1 000 mm x 1 200 mm wide ◆ | Ast (mm) | | 388 | | 388 | | 417 | | 417 | 4 4 | |
| 4.34 | Aisle width with pallets 800 mm x 1 200 mm long ◆ | Ast (mm) | | 527 | | 527 | | 556 | | 556 | | 576 |
| 4.35 | Outer turning radius | W _a (mm) | | 570 | | 570 | | 599 | | 599 | | 319 |
| 4.36 | Inner turning radius | b ₁₃ (mm) | | 50 | | 50 | | 50 | | 50 | | 0 |
| 5.1 | Travel speed with/without load | km/h | 19,6 | 20,4 | 21,8 | 22,8 | 19,6 | 20,4 | 21,8 | 22,8 | 19,6 | 20,4 |
| 5.2 | Lifting speed with/without load | m/sec | 0,60 | 0,66 | 0,61 | 0,62 | 0,60 | 0,66 | 0,61 | 0,62 | 0,48 | 0,53 |
| 5.3 | Lowering speed with/without load | m/sec | 0,55 | 0,47 | 0,55 | 0,47 | 0,55 | 0,47 | 0,55 | 0,47 | 0,51 | 0,42 |
| 5.5 | Drawbar pull with/without load @ 1,6 km/h | N | 26 700 | 17 500 | 36 700 | 16 800 | 26 700 | 18 000 | 36 600 | 16 500 | 26 700 | 17 000 |
| 5.6 | Maximum drawbar pull with/without load | N | 26 700 | 17 500 | 44 200 | 16 800 | 26 700 | 18 000 | 44 100 | 16 500 | 26 700 | 17 000 |
| 5.7 | Gradeability with/without load @ 4,8 km/h † | % | 25,6 | 29,6 | 26,4 | 29,6 | 24,6 | 28,7 | 25,0 | 28,1 | 22,5 | 27,1 |
| | Maximum gradeability with/without load @ 1,6 km/h † | % | 28,5 | 29,6 | 42,0 | 29,6 | 27,4 | 28,7 | 39,1 | 28,1 | 26,6 | 27,1 |
| 5.10 | Service brake | | Нус | Irau l ic | Hyd | raulic | Hyd | raulic | Hydi | raulic | Hydi | aulic |
| 7.1 | ne manufacturer/type | | Cummii | ns QSB3.3 | GM | 4.3L | Cummin | s QSB3.3 | GM | 4.3L | Cummin | s QSB3.3 |
| 7.2 | Engine output, in accordance with ISO 1585 | kW | | 60 | | 77 | | 0 | | 77 | | 0 |
| 7.3 | Governed speed | rpm | | 200 | | 400 | | 200 | | 400 | | 200 |
| 7.4 | Number of cylinders/displacements | cm ³ | 4 | 3 261 | 6 | 4 302 | 4 | 3 261 | 6 | 4 302 | 4 | 3 261 |
| | | | | | | | | | | | | |
| 8.1 | Drive control | | | omatic | | matic | | matic | | matic | | matic |
| 8.2 | Working pressure for attachments | bar | | 55 | | 55 | | 55 | | 55 | | 55 |
| 8.3 8.4 | Oil flow for attachments ¤ | I/min | | 3,3 | | 3,3 | | 3,3 | | 3,3 | | 3,3 |
| 8.4 | Average noise level at operator's ear no cab/cab (Lpaz) ♦ | dB (A) | 79 | 79 | 82 | 80 | 79 | 79 | 82 | 80 | 79 | 79 |
| 0.5 | Guaranteed sound power 2001/14/EC (Lwaz) | dB | | 104 Din | | 05 Din | | 04 in | | 05 lin | | 04 in |
| 8.5 | Towing coupling type | | 1 | Pin | | Pin | , t | in | | in | ■ | in |

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.

| HYS | TER | HYS | TER | HYS | TER | HYS | TER | HYS | TER | HYS | TER | HYS | TER | |
|--------------------|--------|----------------|----------|--------|-------------------|--------------|-------------------|--------|------------------|------------------|----------|-----------|-------------------|---|
| 114.55 | FTCF | 114.4 | ETC | 114.1 | FFTC | 115 | OFT | IIIE | OFT | HE | CCT | HE | FFT | 1.1 |
| H4.5F Fortens A | | Fortens A | 5FT6 | | 5FT6 Advance + | | .0FT Advance + | | OFT Advance + | H5. Fortens A | | | .5FT Advance + | 1.2 |
| GM 4.3L Dura | | Cummins 3,3L I | | | aMatch Plus2 | Cummins 3,3L | | | aMatch Plus2 | Cummins 3,3L I | | | aMatch Plus2 | 웆 |
| Wet Bi | | | Brakes | | Brakes | | Brakes | | Brakes | | Brakes | | Brakes | 1.3 1.4 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 |
| LP | | | sel | | PG | | ese l | | PG | Die | | | PG | 1.3 |
| Sea | | Se | | | eat | | eat | | eat | Se | | | eat | 1.4 |
| 4 5 | | | 500 | | 500 | | 000 | | 000 | 5.5 | | | 500 | 1.5 |
| 50 | | 6 | | | 00 | | 00 | | 00 | 60 | | | 00 | 1.6 |
| 522 | | | 90 | | 90 | | 90 | | 90 | 59 | | | 90 | 1.8 |
| 1.83 | | | 100 | | 100 | | 100 | | 100 | | 100 | | 100 | 1.9 |
| | | | | | | | | | | | | | | |
| 6 3 | 68 | 7.2 | 224 | 6.9 | 939 | 7 : | 523 | 7 2 | 244 | 7.8 | 308 | 7.5 | 529 | 2.1 ≤ |
| 9 095 | 1 356 | 10 596 | 1 164 | 10 265 | 1 210 | 11 241 | 1 272 | 10 913 | 1 320 | 11 882 | 1 370 | 11 555 | 1 417 | 2.2 |
| 2 526 | 3 842 | 3 473 | 3 751 | 3 152 | 3 787 | 3 406 | 4 117 | 3 089 | 4 155 | 3 335 | 4 474 | 3 016 | 4 513 | 2.1 |
| | | | | | | | | | | | | | | |
| SE | E | S | Ε | 8 | SE . | 9 | SE . | 5 | SE . | S | Ε | S | 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 3.3 3.5 3.6 |
| 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 1 | 52 | 11 | 150 | 1. | 150 | 1 | 150 | 1 - | 150 | 1.1 | 150 | 11 | 150 | 3.6 |
| 1.13 | 36 | 11 | 136 | 11 | 136 | 11 | 136 | 1 . | 136 | 1.1 | 136 | 11 | 136 | 3.7 |
| | | | | | | | | | | | | | | |
| 6 | 10 | 6 | 10 | 6 | 10 | 6 | 10 | 6 | 10 | 6 | 10 | 6 | 10 | 4.1 |
| 2 2 | | | 215 | | 215 | | 215 | | 215 | | 215 | | 215 | 4.2 |
| 10 | | 10 | | | 00 | | 00 | | 00 | 10 | | | 00 | 4.3 |
| 2 7 | | | 740 | | 740 | | 740 | | 740 | | 740 | | 740 | 4.4 |
| 3 7 | | | 730 | | 730 | | 730 | | 730 | | 730 | | 730 | 4.5 |
| 2 2 | | | 300 | | 300 | | 300 | | 300 | 2.3 | | | 300 | 4.7 |
| 1 1 | | 12 | | | 201 | | 201 | | 201 | 1.2 | | 1.2 | | 4.8 |
| 42 | | | 72 | | 72 | | 72 | | 72 | | 72 | | 72 | 4.12 |
| 4 1 | | | 156 | | 456 | | 499 | | 199 | | 540 | | 540 | 4.19 |
| 2 9 | | | 256 | | 256 | | 299 | | 299 | | 340 | | 340 | 4.19 4.20 4.21 4.22 |
| 1 402 1 4 | _ | 1 450 1 5 | _ | | 75 1 875 | 1 450 1 5 | _ | | 75 1 875 | 1 450 1 5 | | 1 450 1 5 | _ | 4.21 |
| 60 15 | | 60 1 | _ | | 50 1 200 | | 50 1 200 | | 50 1 200 | 60 1 | | | 50 1 200 | |
| IV | | ١٧ | | | / A | | / A | | ' A | | ' A | | / A | 4.23 |
| 1 2 | | | 219 | | 219 | | 219 | | 219 | | 219 | | 219 | 4.24 |
| 19 | | 15 | | | 94 | | 94 | | 94 | 19 | | | 94 | 4.31 |
| 19 | | 2: | | | 37 | | 37 | | 735 | 23 | 773 | | 37 773 | 4.32 |
| 4 4 | | 4 8 | 695 | | 695 347 | | 735 387 | | 387 | | 925 | | 925 | 4.33 |
| 2.6 | | 2.8 | | 2.8 | | | 377 | | 377 | | 915 | | 915 | 4.34 |
| 50 | | 13 | | | 31 | | 31 | | 31 | 10 | | | 31 | 4.36 |
| - 30 | 0 | 1, | J1 | | 01 | , | 01 | | J1 | 1. | 21 | 1. | 01 | 4.50 |
| 21,8 | 22,8 | 20,4 | 20,8 | 22,7 | 23,2 | 20.4 | 20 ,8 | 22,7 | 23,2 | 20.4 | 20.8 | 22,7 | 23,2 | 5.1 |
| 0,56 | 0,57 | 0,48 | 0,53 | 0,56 | 0,57 | 0,48 | 0,53 | 0,56 | 0,57 | 0,48 | 0,53 | 0,56 | 0,57 | 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 | |
| 36 500 | 16 300 | 25 800 | 21 300 | 32 300 | 20 200 | 25 800 | 20 900 | 32 300 | 20 000 | 25 800 | 20 600 | 32 300 | 19 700 | 5.3 5.5 5.6 5.7 |
| 44 100 | 16 300 | 25 800 | 21 300 | 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 | 20,0 | 31,5 | 21,7 | 31,1 | 19,0 | 29,6 | 20,1 | 29,4 | 17,5 | 27,9 | 20,4 | 27,7 | 5.7 |
| 38,2 | 27,1 | 23,0 | 31,5 | 30,1 | 31,1 | 21,5 | 29,6 | 28,1 | 29,4 | 20,3 | 27,9 | 28,5 | 27,7 | 5.8 |
| Hydra | aulic | Hydr | aulic | Hydi | raulic | Hyd | raulic | Hydi | raulic | Hydr | aulic | Hydr | raulic | 5.10 |
| | | | | | | | | | | | | | | |
| GM 4 | | | s QSB3.3 | | 4.3L | | s QSB3.3 | | 4.3L | | s QSB3.3 | | 4.3L | 7.1 |
| 77 | | | 0 | | 7 | | 60 | | 7 | | 0 | | 7 | 7.2 7.3 |
| 2 4 | | | 200 | | 400 | | 200 | | 100 | | 200 | | 100 | 7.3 |
| 6 | 4 302 | 4 | 3 261 | 6 | 4 302 | 4 | 3 261 | 6 | 4 302 | 4 | 3 261 | 6 | 4 302 | 7.4 |
| | | | | | | | | | | | | | | |
| Auton | | | matic | | matic | | matic | | matic | | matic | | matic | 8.1 |
| 15 | | | 55 | | 55 | | 55 | | 55 | | 55 | | 55 | 8.2 |
| 83, | | | 3,3 | | 3,3 | | 3,3 | | 3,3 | 83 | | | 3,3 | 8.3 |
| 82 | 80 | 79 | 79 | 82 | 80 | 79 | 79 | 82 | 80 | 79 | 79 | 82 | 80 | 8.4 |
| 10 | | 11 | | | 05 | | 04 | | 05 | 10 | | | 05 | 0.5 |
| Pi | П | Р | in | Р | in | P | in | Р | in | P | III | Р | in | 8.5 |

Mast and capacity information

Values shown are for standard equipment. When using non-standard equipment, these values may change. Please contact your Hyster dealer for 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 3 650 4 250 4 950 | 10° 10° 10° 6° | 2 175 2 475 2 775 3 225 | 4 300 4 4 900 4 5 500 4 6 200 4 | 150 ▽ 150 ▽ 150 ▽ 150 ▽ |
| 2-Stage full free lift | 3 075 3 675 | 10° 10° | 2 175 2 475 | 4 325 * 4 925 * | 1 355 ▽ 1 655 ▽ |
| 3-Stage full free lift | 4 415 4 950 5 250 5 550 6 000 | 6° 6° 6° 6° | 2 175 2 375 2 475 2 575 2 775 | 5 665 * 6 200 * 6 500 * 6 800 * 7 250 * | 1 355 ▽ 1 555 ▽ 1 655 ▽ 1 755 ▽ 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 3 400 4 000 4 700 5 300 5 900 | 10° 10° 10° 6° 6° 6° | 2 215 2 515 2 815 3 265 3 665 4 065 | 4 065 * 4 665 * 5 265 * 5 965 * 6 565 * 7 165 * | 160 ▽ 160 ▽ 160 ▽ 160 ▽ 160 ▽ 160 ▽ |
| 2-Stage full free lift | 2 825 3 425 | 10° 10° | 2 215 2 515 | 4 090 * 4 690 * | 1 230 ▽ 1 530 ▽ |
| 3-Stage full free lift | 4 145 5 000 5 300 | 6° 6° 6° | 2 215 2 515 2 615 | 5 415 * 6 265 * 6 565 * | 1 230 ▽ 1 530 ▽ 1 630 ▽ |

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

| | | Pneuma | Pneumatic Shaped Solid Tyres | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|--|--|--|--|--|--|--|--|--|--|--|
| | Maximum | Without | sideshift | With integr | al sideshift | | | | | | | | | | | |
| | fork height (mm) | H4.0FT5 (a) | H4.0FT6 (b) | H4.0FT5 (a) | H4.0FT6 (b) | | | | | | | | | | | |
| 2-Stage limited free lift | 3 050 3 650 4 250 4 950 | 4 000 4 000 4 000 3 890 | | | | | | | | | | | |
| 2-Stage full free lift | 3 075 3 675 | 4 000 4 000 | 4 000 4 000 | 4 000 4 000 | 4 000 4 000 | | | | | | | | | | | |
| 3-Stage full free lift | 4 415 4 950 5 250 5 550 6 000 | 4 000 3 880 3 810 3 730 3 610 | 4 000 3 880 3 810 3 740 3 620 | 4 000 3 880 3 810 3 730 3 590 | 4 000 3 870 3 790 3 710 3 580 | | | | | | | | | | | |

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

| | | Mic | helin (Radial) t | yres | |
|---|--|---|---|---|---|
| | Maximum | Without | sideshift | With integr | al sideshift |
| | fork height (mm) | H4.0FT5 (a) | H4.0FT6 (b) | H4.0FT5 (a) | H4.0FT6 (b) |
| 2-Stage 2-Stage full free lift limited free lift | 3 050 3 650 4 250 4 950 3 075 3 675 | 4 000 4 000 4 000 3 880 4 000 4 000 | 4 000 4 000 4 000 3 890 4 000 4 000 | 4 000 4 000 4 000 3 880 4 000 4 000 | 4 000 4 000 4 000 3 890 4 000 4 000 |
| 3-Stage full free lift | 4 415 4 950 5 250 5 550 6 000 | 4 000 3 880 4 3 800 4 3 730 * 3 610 * | 4 000 3 880 4 3 810 4 3 740 * 3 620 * | 4 000 3 880 4 3 800 4 3 730 * 3 590 * | 4 000 3 870 4 3 790 4 3 710 * 3 580 * |

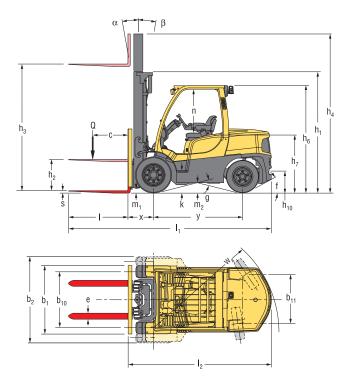
H4.0FTS5-H5.5FT - Capacity chart in kg @ 500 mm (a) or 600 mm (b) load centre

| | | | | P | neumatic Sha | ped Solid Tyre | s | | | | |
|------------------------------|--|--|--|--|--|--|--|--|--|--|--|
| | Maximum | Without | sideshift | Without | sideshift | Maximum | With integr | al sideshift | With integral sideshift | | |
| | fork height (mm) | H4.5FTS5 (a) | H4.5FT6 (b) | H5.0FT (b) | H5.5FT (b) | fork height (mm) | H4.5FTS5 (a) | H4.5FT6 (b) | H5.0FT (b) | H5.5FT (b) | |
| 2-Stage limited free lift | 2 800 3 400 4 000 4 700 5 300 5 900 | 4 500 4 500 4 500 4 390 4 240 4 070 | 4 500 4 500 4 500 4 390 4 250 4 100 | 5 000 5 000 5 000 4 890 4 740 4 580 | 5 500 5 500 5 500 5 380 5 230 5 050 | 2 800 3 400 4 000 4 700 5 300 5 900 | 4 500 4 500 4 480 4 340 4 160 3 970 | 4 500 4 500 4 500 4 390 4 250 4 100 | 5 000 5 000 5 000 4 890 4 740 4 580 | 5 500 5 500 5 500 5 380 5 230 5 050 | |
| 2-Stage full free lift | 2 825 3 425 | 4 500 4 500 | 4 500 4 500 | 5 000 5 000 | 5 500 5 500 | 2 825 3 425 | 4 480 4 460 | 4 500 4 500 | 5 000 5 000 | 5 500 5 500 | |
| 3-Stage full free lift | 4 145 5 000 5 300 | 4 500 4 300 4 230 | 4 500 4 310 4 240 | 5 000 4 800 4 730 | 5 500 5 290 5 210 | 4 145 5 000 5 300 | 4 420 4 200 4 120 | 4 500 4 310 4 240 | 5 000 4 800 4 730 | 5 500 5 290 5 210 | |

H4.0FTS5-H5.5FT - Capacity chart in kg @ 500 mm (a) or 600 mm (b) load centre

| | Michelin (Radial) tyres | | | | | | | | | | | | | |
|------------------------------|--|--|--|--|---|--|--|--|--|---|--|--|--|--|
| | Maximum | Without | sideshift | Without | sideshift | Maximum | With integr | al sideshift | With integral sideshift | | | | | |
| | fork height (mm) | H4.5FTS5 (a) | H4.5FT6 (b) | H5.0FT (b) | H5.5FT (b) | fork height (mm) | H4.5FTS5 (a) | H4.5FT6 (b) | H5.0FT (b) | H5.5FT (b) | | | | |
| 2-Stage limited free lift | 2 800 3 400 4 000 4 700 5 300 5 900 | 4 500 4 500 4 500 4 380 4 230 4 4 070 ≭ | 4 500 4 500 4 500 4 390 4 250 4 4 090 4 | 5 000 5 000 5 000 4 880 4 730 4 4 570 ≭ | 5 500 5 500 5 500 5 380 € 5 220 € 5 050 ≭ | 2 800 3 400 4 000 4 700 5 300 5 900 | 4 500 4 500 4 480 4 340 4 160 € 3 970 ≭ | 4 500 4 500 4 500 4 390 4 250 € 4 090 € | 5 000 5 000 5 000 4 880 4 730 4 4 570 * | 5 500 5 500 5 500 5 380 4 5 220 4 5 050 * | | | | |
| 2-Stage full free lift | 2 825 3 425 | 4 500 4 500 | 4 500 4 500 | 5 000 5 000 | 5 500 5 500 | 2 825 3 425 | 4 480 4 460 | 4 500 4 500 | 5 000 5 000 | 5 500 5 500 | | | | |
| 3-Stage full free lift | 4 145 5 000 5 300 | 4 500 4 270 € 4 220 ≭ | 4 500 4 310 € 4 240 € | 5 000 4 800 € 4 730 ≭ | 5 500 5 290 € 5 210 ≭ | 4 145 5 000 5 300 | 4 420 4 200 € 4 120 ≭ | 4 500 4 310 € 4 240 € | 5 000 4 800 4 4 730 * | 5 500 5 290 € 5 210 ≭ | | | | |

Truck dimensions





= Centre of gravity of unladen truck

 $Ast = W_a + x + I_6 + a$ (see lines 4.33 & 4.34)

a = Minimum operating clearance

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

I₆ = Load length

g

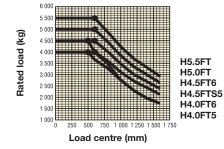
k

Model

Dimensions (mm)

| H4.0FT5 | H4.0FT6 | H4.5FT5 | H4.5FT6 | H5.0FT | H5.5FT |
|---------|---------|---------|---------|--------|--------|
| 37% | 27.5% | 33% | 32% | 32% | 28% |
| 28° | 28° | 28° | 30° | 30° | 30° |
| 441 | 441 | 441 | 484 | 484 | 484 |
| 1 062 | 1 062 | 1 062 | 1 062 | 1 062 | 1 062 |

Rated capacities



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.

- Bottom of forks
- Without load backrest
- h₆ 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) is 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 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 \Diamond and based on the weighting values contained in EN12053
- Consult your Hyster lift truck dealer

- 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.

(Safety:

This truck conforms to the current EU requirements.

Product Packages

The Hyster Fortens™ range has been designed to match the vast range of application requirements and business objectives that customers demand.

The H4.0-5.5FT Series is available in several truck packages, with multiple powertrain combinations to choose from, to best match operational demands. Each configuration offers improved efficiency, advanced dependability, lower cost of ownership and simple serviceability.

| Model / Bundle | H4.0FT5 | | | H4.0FT6 | | |
|---|---|---|---|--|--|--|
| DIESEL | Engine | Transmission | Brakes | Engine | Transmission | Brakes |
| Fortens | Cummins 3.3L | DuraMatch™ Electronic | ADS Drum | Cummins 3.3L | DuraMatch™ Electronic | ADS Drum |
| roiteiis | Turbo | 1 speed | ADO DIGITI | Turbo | 1 speed | ADO DIGITI |
| Fortens Advance | Cummins 3.3L | DuraMatch™ Electronic | ADS Drum | Cummins 3.3L | DuraMatch™ Electronic | ADS Drum |
| roiteris Advance | Turbo | 2 speed | ADO DIGITI | Turbo | 2 speed | ADO DIGITI |
| | Cummins 3.3L | DuraMatch™ Electronic | Wet | Cummins 3.3L | DuraMatch™ Electronic | Wet |
| | Turbo | 2 speed | vvei | Turbo | 2 speed | vvet |
| Fortens Advance+ | Cummins 3.3L | DuraMatch™ Plus | Wet | Cummins 3.3L | DuraMatch™ Plus | Wet |
| FORTERIS Advance+ | Turbo | 2 speed | vvet | Turbo | 2 speed | vvet |
| | Turbo | z speed | | Turbo | z speed | |
| Model / Bundle | H4.5FTS5 | | | H4.5FT6 | | |
| DIESEL | Engine | Transmission | Brakes | Engine | Transmission | Brakes |
| Fortens | Cummins 3.3L | DuraMatch™ Electronic | ADS Drum | Cummins 3.3L | DuraMatch™ Electronic | Wet |
| rortens | Turbo | 1 speed | ADS DIUIII | Turbo | 1 speed | vvet |
| Fortens Advance | Cummins 3.3L | DuraMatch™ Electronic | ADS Drum | Cummins 3.3L | DuraMatch™ Electronic | Wet |
| Fortens Advance | | | ADS Drum | | | vvet |
| | Turbo | 2 speed | 144.1 | Turbo | 2 speed | |
| | Cummins 3.3L | DuraMatch™ Electronic | Wet | - | - | - |
| | Turbo | 2 speed | 144 | 0 1 001 | 5 14 1 7 7 5 | 147. |
| Fortens Advance+ | Cummins 3.3L | DuraMatch™ Plus | Wet | Cummins 3.3L | DuraMatch™ Plus | Wet |
| | Turbo | 2 speed | | Turbo | 2 speed | |
| | | | | | | |
| Model / Bundle | H5.0FT | | | H5.5FT | 1 | |
| DIESEL | Engine | Transmission | Brakes | Engine | Transmission | Brakes |
| Fortens | Cummins 3.3L | DuraMatch™ Electronic | Wet | Cummins 3.3L | DuraMatch™ Electronic | Wet |
| | Turbo | 1 speed | | Turbo | 1 speed | |
| Fortens Advance | Cummins 3.3L | DuraMatch™ Electronic | Wet | Cummins 3.3L | DuraMatch™ Electronic | Wet |
| | Turbo | 2 speed | | Turbo | 2 speed | |
| Fortens Advance+ | Cummins 3.3L | DuraMatch™ Plus | Wet | Cummins 3.3L | DuraMatch™ Plus | Wet |
| | Turbo | 2 speed | | Turbo | 2 speed | |
| | | | | | | |
| | | | | | | |
| Model / Bundle | H4.0FT5 | | | H4.0FT6 | | |
| Model / Bundle LPG | H4.0FT5 Engine | Transmission | Brakes | H4.0FT6 Engine | Transmission | Brakes |
| | | Transmission DuraMatch™ Electronic | Brakes ADS Drum | | Transmission DuraMatch™ Electronic | Brakes ADS Drum |
| LPG | Engine | | | Engine | | |
| LPG | Engine | DuraMatch™ Electronic | | Engine | DuraMatch™ Electronic | |
| LPG Fortens | Engine GM 4.3L V6 | DuraMatch™ Electronic 1 speed | ADS Drum | Engine GM 4.3L V6 | DuraMatch™ Electronic 1 speed | ADS Drum |
| LPG Fortens | Engine GM 4.3L V6 | DuraMatch™ Electronic 1 speed DuraMatch™ Electronic | ADS Drum | Engine GM 4.3L V6 | DuraMatch™ Electronic 1 speed DuraMatch™ Electronic | ADS Drum |
| LPG Fortens | Engine GM 4.3L V6 GM 4.3L V6 | DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed | ADS Drum ADS Drum | Engine GM 4.3L V6 GM 4.3L V6 | DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed | ADS Drum ADS Drum |
| LPG Fortens | Engine GM 4.3L V6 GM 4.3L V6 | DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic | ADS Drum ADS Drum | Engine GM 4.3L V6 GM 4.3L V6 | DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic | ADS Drum ADS Drum |
| Fortens Advance | Engine GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 | DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed 2 speed | ADS Drum ADS Drum Wet | Engine GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 | DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed 2 speed | ADS Drum ADS Drum Wet |
| Fortens Advance | Engine GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 | DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Plus | ADS Drum ADS Drum Wet | Engine GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 | DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Plus | ADS Drum ADS Drum Wet |
| Fortens Advance | Engine GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 | DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Plus | ADS Drum ADS Drum Wet | Engine GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 | DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Plus | ADS Drum ADS Drum Wet |
| Fortens Advance Fortens Advance+ | Engine GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 | DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Plus | ADS Drum ADS Drum Wet | Engine GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 | DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Plus | ADS Drum ADS Drum Wet |
| Fortens Advance Fortens Advance+ Model / Bundle | Engine GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 H4.5FTS5 | DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Plus 2 speed | ADS Drum ADS Drum Wet Wet | Engine GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 H4.5FT6 | DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Plus 2 speed | ADS Drum ADS Drum Wet Wet |
| Fortens Advance Fortens Advance+ Model / Bundle LPG | Engine GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 H4.5FTS5 Engine | DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Plus 2 speed Transmission DuraMatch™ Electronic | ADS Drum ADS Drum Wet Wet Brakes | Engine GM 4.3L V6 H4.5FT6 Engine | DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Plus 2 speed Transmission DuraMatch™ Electronic | ADS Drum ADS Drum Wet Wet Brakes |
| Fortens Advance Fortens Advance+ Model / Bundle LPG | Engine GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 H4.5FTS5 Engine | DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Plus 2 speed Transmission | ADS Drum ADS Drum Wet Wet Brakes | Engine GM 4.3L V6 H4.5FT6 Engine | DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Plus 2 speed Transmission | ADS Drum ADS Drum Wet Wet Brakes |
| Fortens Advance Fortens Advance Model / Bundle LPG Fortens | Engine GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 H4.5FTS5 Engine GM 4.3L V6 | DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Plus 2 speed Transmission DuraMatch™ Electronic 1 speed | ADS Drum ADS Drum Wet Wet Brakes ADS Drum | Engine GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 H4.5FT6 Engine GM 4.3L V6 | DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Plus 2 speed Transmission DuraMatch™ Electronic 1 speed | ADS Drum ADS Drum Wet Wet Brakes Wet |
| Fortens Advance Fortens Advance Model / Bundle LPG Fortens | Engine GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 H4.5FTS5 Engine GM 4.3L V6 | DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Plus 2 speed Transmission DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed | ADS Drum ADS Drum Wet Wet Brakes ADS Drum ADS Drum | Engine GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 H4.5FT6 Engine GM 4.3L V6 | DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Plus 2 speed Transmission DuraMatch™ Electronic 1 speed DuraMatch™ Electronic | ADS Drum ADS Drum Wet Wet Brakes Wet |
| Fortens Advance Fortens Advance Model / Bundle LPG Fortens | Engine GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 H4.5FTS5 Engine GM 4.3L V6 | DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Plus 2 speed Transmission DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic | ADS Drum ADS Drum Wet Wet Brakes ADS Drum | Engine GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 H4.5FT6 Engine GM 4.3L V6 | DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Plus 2 speed Transmission DuraMatch™ Electronic 1 speed DuraMatch™ Electronic | ADS Drum ADS Drum Wet Wet Brakes Wet |
| Fortens Advance Fortens Advance Model / Bundle LPG Fortens Fortens Advance | Engine GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 H4.5FTS5 Engine GM 4.3L V6 GM 4.3L V6 | DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Plus 2 speed Transmission DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed | ADS Drum ADS Drum Wet Wet Brakes ADS Drum ADS Drum ADS Drum Wet | Engine GM 4.3L V6 H4.5FT6 Engine GM 4.3L V6 GM 4.3L V6 | DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Plus 2 speed Transmission DuraMatch™ Electronic 1 speed DuraMatch™ Electronic | ADS Drum ADS Drum Wet Wet Brakes Wet |
| Fortens Advance Fortens Advance Model / Bundle LPG Fortens | Engine GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 H4.5FTS5 Engine GM 4.3L V6 | DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Plus 2 speed Transmission DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic | ADS Drum ADS Drum Wet Wet Brakes ADS Drum ADS Drum | Engine GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 H4.5FT6 Engine GM 4.3L V6 | DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Plus 2 speed Transmission DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed | ADS Drum ADS Drum Wet Wet Wet Brakes Wet Wet |
| Fortens Advance Fortens Advance Model / Bundle LPG Fortens Fortens Advance | Engine GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 H4.5FTS5 Engine GM 4.3L V6 GM 4.3L V6 | DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Plus 2 speed Transmission DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed | ADS Drum ADS Drum Wet Wet Brakes ADS Drum ADS Drum ADS Drum Wet | Engine GM 4.3L V6 H4.5FT6 Engine GM 4.3L V6 GM 4.3L V6 | DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Plus 2 speed Transmission DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed - | ADS Drum ADS Drum Wet Wet Wet Brakes Wet Wet |
| Fortens Advance Fortens Advance Model / Bundle LPG Fortens Fortens Advance Fortens Advance | Engine GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 H4.5FTS5 Engine GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 | DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Plus 2 speed Transmission DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic | ADS Drum ADS Drum Wet Wet Brakes ADS Drum ADS Drum ADS Drum Wet | Engine GM 4.3L V6 H4.5FT6 Engine GM 4.3L V6 - GM 4.3L V6 - GM 4.3L V6 | DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Plus 2 speed Transmission DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed | ADS Drum ADS Drum Wet Wet Wet Brakes Wet Wet |
| Fortens Advance Fortens Advance Fortens Advance+ Model / Bundle LPG Fortens Fortens Advance Fortens Advance Model / Bundle | Engine GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 H4.5FTS5 Engine GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 | DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Plus 2 speed Transmission DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed DuraMatch™ Plus 2 speed | ADS Drum ADS Drum Wet Wet Brakes ADS Drum ADS Drum Wet Wet Wet | Engine GM 4.3L V6 H4.5FT6 Engine GM 4.3L V6 - GM 4.3L V6 - GM 4.3L V6 | DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Plus 2 speed Transmission DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed | ADS Drum ADS Drum Wet Wet Wet Brakes Wet Wet Wet Wet |
| Fortens Advance Fortens Advance Model / Bundle LPG Fortens Advance Fortens Advance Model / Bundle LPG Fortens Advance | Engine GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 H4.5FTS5 Engine GM 4.3L V6 | DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Plus 2 speed Transmission DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed DuraMatch™ Plus 2 speed | ADS Drum ADS Drum Wet Wet Brakes ADS Drum ADS Drum ADS Drum Wet Wet | Engine GM 4.3L V6 H4.5FT6 Engine GM 4.3L V6 | DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Plus 2 speed Transmission DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed | ADS Drum ADS Drum Wet Wet Wet Brakes Wet Wet Wet Brakes |
| Fortens Advance Fortens Advance Fortens Advance+ Model / Bundle LPG Fortens Fortens Advance Fortens Advance Model / Bundle | Engine GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 H4.5FTS5 Engine GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 GM 4.3L V6 | DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Plus 2 speed Transmission DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Plus 2 speed DuraMatch™ Plus DuraMatch™ Plus DuraMatch™ Electronic | ADS Drum ADS Drum Wet Wet Brakes ADS Drum ADS Drum Wet Wet Wet | Engine GM 4.3L V6 H4.5FT6 Engine GM 4.3L V6 - GM 4.3L V6 - GM 4.3L V6 | DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Electronic 2 speed DuraMatch™ Plus 2 speed Transmission DuraMatch™ Electronic 1 speed DuraMatch™ Electronic 2 speed | ADS Drum ADS Drum Wet Wet Wet Brakes Wet Wet Wet Wet |
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Product Features

The Fortens & Fortens Advance models both 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 VSMTM 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 decent 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 combicooler 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 & 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.

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 isolated drivetrain minimises the effect of powertrain vibration.
- The adjustable armrest that accompanies the TouchPoint™ or TouchControl™ E-hydraulic configurations moves with the seat and telescopes forward.
- 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.

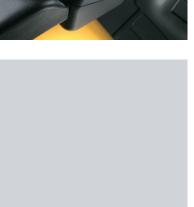
The Hyster Fortens is the fastest and easiest lift truck to **Service**.

- Complete cowl-to-counterweight service access and a 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.









Strong Partners, Tough Trucks, for Demanding Operations Everywhere.

Hyster supplies a complete product range, including Warehouse trucks, IC and Electric Counterbalanced trucks, Container Handlers and Reach Stackers.

Hyster is committed to being much more than a lift truck supplier. Our aim is to offer a complete partnership capable of responding to the full spectrum of materials handling issues:

Whether you need professional consultancy on your fleet management, fully qualified service support, or reliable parts supply, you can depend on Hyster.

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



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