

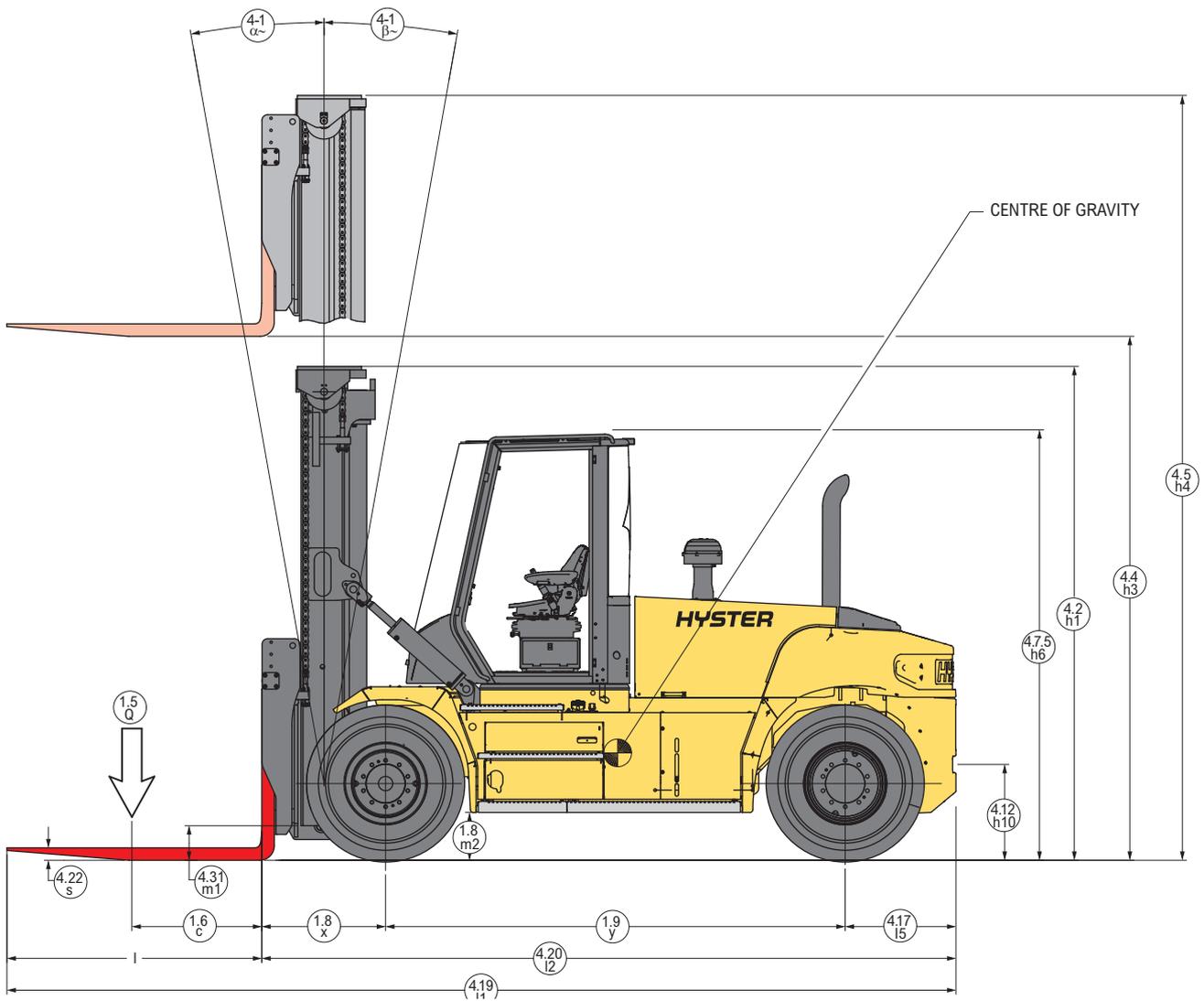
H10-16XD SERIES



HEAVY DUTY FORKLIFT TRUCK PNEUMATIC TIRE PRODUCT TECHNICAL GUIDE



TRUCK DIMENSIONS



☉ = Centre of gravity of unladen truck

AST = $Wa + x + l6 + a$ (if $b12/2 < b13$)

AST = $Wa + ((l6+x)^2 + (b12/2-b13)^2)^{0.5} + a$ (if $b12/2 > b13$ and $Wa > b13 + b12/2$)

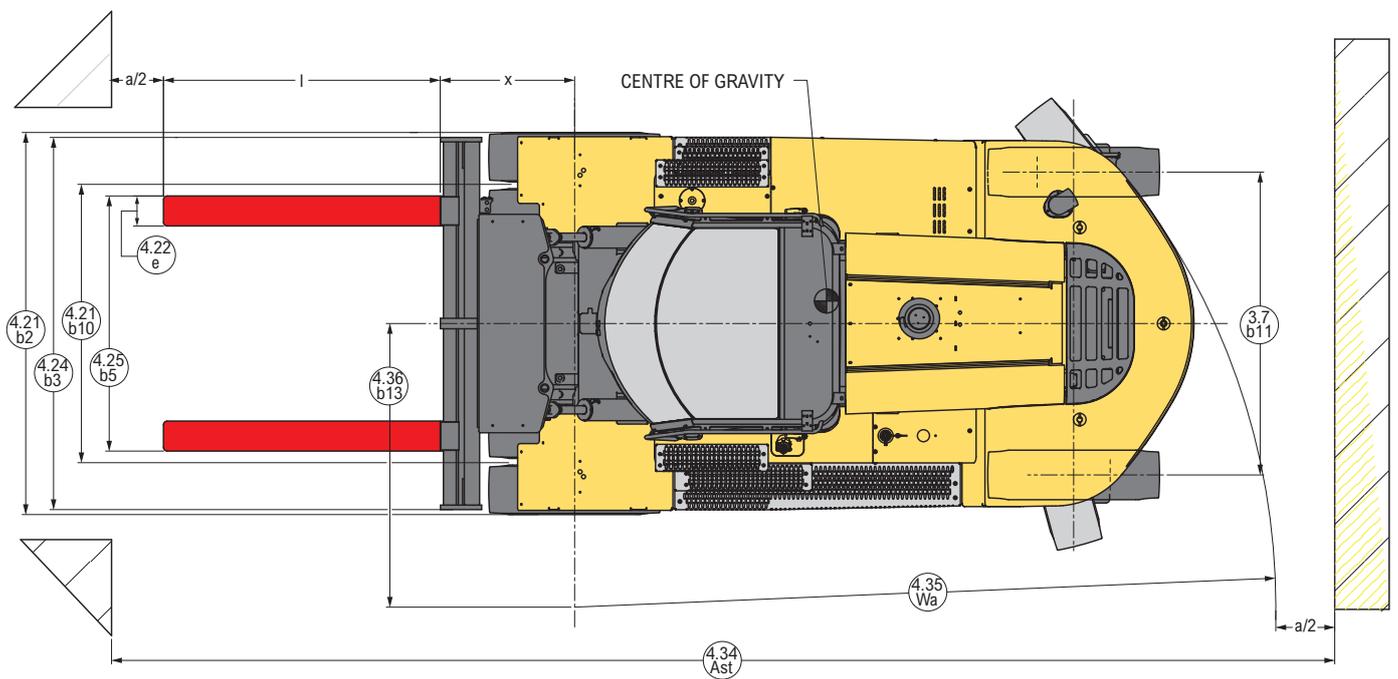
AST = $b13 + b12/2 ((l6+x)^2 + (b12/2-b13)^2)^{0.5} + a$ (if $b12/2 > b13$ and $Wa < b13 + b12/2$)

a = Minimum operating clearance = 10% of A_{ST}
(VDI standard = 200 mm BITA recommendation = 300 mm)

l6 = load lengths

b12 = load width

TRUCK DIMENSIONS



☉ = Centre of gravity of unladen truck

AST = $Wa + x + l6 + a$ (if $b12/2 < b13$)

AST = $Wa + ((l6+x)^2 + (b12/2-b13)^2)^{0.5} + a$ (if $b12/2 > b13$ and $Wa > b13 + b12/2$)

AST = $b13 + b12/2 ((l6+x)^2 + (b12/2-b13)^2)^{0.5} + a$ (if $b12/2 > b13$ and $Wa < b13 + b12/2$)

a = Minimum operating clearance = 10% of A_{ST}

(VDI standard = 200 mm BITA recommendation = 300 mm)

l6 = load lengths

b12 = load width

H10XD6 | H12XD6 SPECIFICATIONS

| CHARACTERISTICS | 1.1 | | HYSTER | | | | |
|-----------------|--|---|------------------|---------------|--------------------------|--------|-------|
| | Manufacturer | | H10XD6 | | H12XD6 | | |
| 1.2 | Manufacturer's type designation | | | | | | |
| 1.3 | Drive: electric (battery or mains), diesel, petrol, fuel gas | | Diesel | | | | |
| 1.4 | Operator type: hand, pedestrian, standing, seated, orderpicker | | Seated | | | | |
| 1.5 | Rated capacity / rated load | Q | kg | 10,500 | | 12,500 | |
| 1.6 | Load centre distance | c | mm | 600 | | 600 | |
| 1.8 | Load distance | x | mm | 809 | | 809 | |
| 1.9 | Wheelbase | y | mm | 2,900 | | 2,900 | |
| WEIGHTS | 2.1 | Service weight * | kg | 14,470 | | 15,882 | |
| | 2.2 | Axle loading, laden front / rear | kg | 23,155 | 1,815 | 26,034 | 2,348 |
| | 2.3 | Axle loading, unladen front / rear | kg | 7,553 | 6,917 | 7,460 | 8,421 |
| WHEELS & TYRES | 3.1 | Tyres | Pneumatic | | | | |
| | 3.2 | Tyres size, front | 10.00-20 16PR | | | | |
| | 3.3 | Tyres size, rear | 10.00-20 16PR | | | | |
| | 3.5 | Wheels, number front / rear (x = driven wheels) | 4X / 2 | | | | |
| | 3.6 | Track width, front | b10 | mm | 1,842 | | |
| | 3.7 | Track width, rear | b11 | mm | 2,020 | | |
| | 4.1 | Mast tilt: forward / backwards | α / β | ° | 15° / 12° | | |
| | 4.2 | Height of mast lowered (unloaded) | h1 | mm | 4,135 | | |
| | 4.3 | Free lift | h2 | mm | - | | |
| | 4.4 | Lift height (bottom of forks) | h3 | mm | 4,925 | | |
| DIMENSIONS | 4.5 | Height of mast extended (unloaded) | h4 | mm | 6,597 | | |
| | 4.7 | Height of overhead guard (open cab) | h6 | mm | 3,055 | | |
| | 4.7.1 | Height of overhead guard (closed cab) | h6 | mm | 3,082 | | |
| | 4.7.2 | Height of overhead guard (closed cab w/ airco) | h6 | mm | 3,082 | | |
| | 4.7.3 | Height of overhead guard (closed cab w/ strobe light) | h6 | mm | 3,177 | | |
| | 4.7.4 | Height of overhead guard (closed cab w/ work lights) | h6 | mm | 3,231 | | |
| | 4.7.5 | Height of overhead guard (closed cab w/ airco & strobe light) | h6 | mm | 3,207 | | |
| | 4.8 | Seat height (Seat Index Point, ISO 5353) | h7 | mm | 1,875 | | |
| | 4.12 | Coupling height | h10 | mm | 661 | | |
| | 4.17 | Overhang | l5 | mm | 795 | | |
| | 4.19 | Overall length | l1 | mm | 5,724 | | |
| | 4.20 | Length to face of forks | l2 | mm | 4,504 | | |
| | 4.21 | Overall width truck | b2 | mm | 2,490 | | |
| | 4.22 | Fork dimensions | s/e/l | mm | 75 / 200 / 1,220 | | |
| | 4.23 | Carriage type | | | 75 mm std pin type | | |
| | 4.24 | Carriage width | b3 | mm | 2,396 | | |
| | 4.25 | Distance over fork arms, minimum / maximum | b5 | mm | 534 / 2256 | | |
| | 4.30 | Sideshift (min / max) | b8 | mm | - | | |
| | 4.31 | Ground clearance, under mast (w/o load) | m1 | mm | 253 | | |
| | 4.32 | Ground clearance, centre of wheelbase | m2 | mm | 313 | | |
| 4.33 | Load size | w x l | mm | 1,200 x 1,200 | | | |
| 4.33.1 | Aisle width (a=10%) | Ast | mm | 6,732 | | | |
| 4.33.2 | Aisle width (a=0) | Ast | mm | 6,120 | | | |
| 4.33.3 | Aisle width (a=200) | Ast | mm | 6,320 | | | |
| 4.34 | Load size | w x l | mm | 1,200 x 800 | | | |
| 4.34.1 | Aisle width (a=10%) | Ast | mm | 6,292 | | | |
| 4.34.2 | Aisle width (a=0) | Ast | mm | 5,720 | | | |
| 4.34.3 | Aisle width (a=200) | Ast | mm | 5,920 | | | |
| 4.35 | Turning radius (outer) | Wa | mm | 4,107 | | | |
| 4.36 | Internal turning radius | b13 | mm | 1,538 | | | |
| PERFORMANCE | TIER 3 | | | | | | |
| | 5.1 | Travel speed laden/unladen T3** | km/h | 29.7 | 30.9 | 29.7 | 30.9 |
| | 5.2 | Lifting speed laden/unladen 90cc T3 | m/s | 0.40 | 0.40 | 0.40 | 0.40 |
| | 5.2.1 | Lifting speed laden/unladen 111cc T3 | m/s | 0.47 | 0.54 | 0.47 | 0.54 |
| | 5.2.2 | Lifting speed laden/unladen 126cc T3 | m/s | - | - | - | - |
| | 5.3 | Lowering speed laden/unladen | m/s | 0.54 | 0.48 | 0.54 | 0.48 |
| | 5.5 | Drawbar pull laden/unladen @ 1.6 km/hour T3 | kN | 95 | 97 | 95 | 97 |
| | 5.6 | Drawbar pull laden/unladen @ stall T3 | kN | 105 | 107 | 105 | 107 |
| | 5.7 | Gradeability laden/unladen @ 1.6 km/hour T3 | % | 42 | 33 | 36 | 32 |
| | 5.8 | Gradeability laden/unladen @ stall T3 | % | 48 | 33 | 41 | 32 |
| | TIER 4 | | | | | | |
| | 5.1 | Travel speed laden/unladen T4** | km/h | 29.7 | 30.9 | 29.7 | 30.9 |
| | 5.2 | Lifting speed laden/unladen 90cc T4 | m/s | 0.40 | 0.40 | 0.40 | 0.40 |
| | 5.2.1 | Lifting speed laden/unladen 111cc T4 | m/s | 0.50 | 0.54 | 0.50 | 0.54 |
| | 5.2.2 | Lifting speed laden/unladen 126cc T4 | m/s | - | - | - | - |
| | 5.3 | Lowering speed laden/unladen | m/s | 0.54 | 0.48 | 0.54 | 0.48 |
| 5.5 | Drawbar pull laden/unladen @ 1.6 km/hour T4 | kN | 100 | 102 | 100 | 102 | |
| 5.6 | Drawbar pull laden/unladen @ stall T4 | kN | 111 | 113 | 111 | 113 | |
| 5.7 | Gradeability laden/unladen @ 1.6 km/hour T4 | % | 45 | 33 | 32 | 38 | |
| 5.8 | Gradeability laden/unladen @ stall T4 | % | 51 | 33 | 32 | 43 | |
| OTHERS | 10.1 | Operating pressure for attachments | MPa | | 19.5 | | |
| | 10.2 | Oil volume for attachments | l/min | | 100 | | |
| | 10.3 | Hydraulic tank capacity | l | | 109 | | |
| | 10.4 | Fuel tank capacity | l | | 151 | | |
| | 10.4.1 | DEF tank capacity | l | | 19 | | |
| | 10.5 | Steering design | | | Hydraulic power steering | | |
| | 10.6 | Number of steering rotation | | | 5.0 | | |
| | 10.8 | Towing coupling, model / type | | | Yes / Pin | | |

(1) Truck models based on Tier 3 engine and standard pin-type carriage w/o fork positioning
(2) Travel speed laden/unladen limited at 25 km/h as factory default

H14XD6 | H16XD6 | H16XDS12 SPECIFICATIONS

| CHARACTERISTICS | 1.1 | | H14XD6 | | H16XD6 | | H16XDS12 | | | |
|-----------------|---|--|------------------|-------------|--------------------|-------------|--------------------------|--------|---------------------|-------|
| | Manufacturer | | | | | | | | | |
| WEIGHTS | 1.2 | Manufacturer's type designation | | | | | | | | |
| | 1.3 | Drive: electric (battery or mains), diesel, petrol, fuel gas | | | | | | | | |
| | 1.4 | Operator type: hand, pedestrian, standing, seated, orderpicker | | | | | | | | |
| | 1.5 | Rated capacity / rated load | Q | kg | 14,500 | | 16,500 | 16,400 | | |
| | 1.6 | Load centre distance | c | mm | 600 | | 600 | 1,200 | | |
| | 1.8 | Load distance | x | mm | 889 | | 889 | 941 | | |
| | 1.9 | Wheelbase | y | mm | 3,300 | | 3,300 | 3,500 | | |
| | 2.1 | Service weight * | | kg | 18,483 | | 19,459 | 23,461 | | |
| | 2.2 | Axle loading, laden front / rear | | kg | 30,249 | 2,734 | 33,225 | 2,734 | 36,401 | 3,459 |
| 2.3 | Axle loading, unladen front / rear | | kg | 9,206 | 9,277 | 9,280 | 10,179 | 9,969 | 13,491 | |
| WHEELS & TYRES | 3.1 | Tyres | | | | Pneumatic | | | | |
| | 3.2 | Tyres size, front | | | 12.00-20 20PR | | 12.00-20 20PR | | 12.00 R 20 | |
| | 3.3 | Tyres size, rear | | | 12.00-20 20PR | | 12.00-20 20PR | | 12.00 R 20 | |
| DIMENSIONS | 3.5 | Wheels, number front / rear (x = driven wheels) | | | | | 4X / 2 | | | |
| | 3.6 | Track width, front | b10 | mm | 1,842 | | 1,842 | | 1,844 | |
| | 3.7 | Track width, rear | b11 | mm | 2,018 | | 2,018 | | 2,020 | |
| | 4.1 | Mast tilt: forward / backwards | α / β | ° | 15° / 12° | | 15° / 12° | | 6° / 10° | 10° |
| | 4.2 | Height of mast lowered (unloaded) | h1 | mm | 4,193 | | 4,193 | | 4,008 | |
| | 4.3 | Free lift | h2 | mm | - | | - | | - | |
| | 4.4 | Lift height (bottom of forks) | h3 | mm | 4,910 | | 4,910 | | 4,494 | |
| | 4.5 | Height of mast extended (unloaded) | h4 | mm | 6,648 | | 6,648 | | 6,255 | |
| | 4.7 | Height of overhead guard (open cab) | h6 | mm | 3,083 | | 3,083 | | 3,083 | |
| | 4.7.1 | Height of overhead guard (closed cab) | h6 | mm | 3,110 | | 3,110 | | 3,110 | |
| | 4.7.2 | Height of overhead guard (closed cab w/ airco) | h6 | mm | 3,110 | | 3,110 | | 3,110 | |
| | 4.7.3 | Height of overhead guard (closed cab w/ strobe light) | h6 | mm | 3,205 | | 3,205 | | 3,205 | |
| | 4.7.4 | Height of overhead guard (closed cab w/ work lights) | h6 | mm | 3,259 | | 3,259 | | 3,259 | |
| | 4.7.5 | Height of overhead guard (closed cab w/ airco & strobe light) | h6 | mm | 3,235 | | 3,235 | | 3,235 | |
| | 4.8 | Seat height (Seat Index Point, ISO 5353) | h7 | mm | 1,903 | | 1,903 | | 1,903 | |
| | 4.12 | Coupling height | h10 | mm | 689 | | 689 | | 689 | |
| | 4.17 | Overhang | l5 | mm | 795 | | 795 | | 942 | |
| | 4.19 | Overall length | l1 | mm | 6,814 | | 6,814 | | 7,823 | |
| | 4.20 | Length to face of forks | l2 | mm | 4,984 | | 4,984 | | 5,383 | |
| | 4.21 | Overall width truck | b2 | mm | 2,541 | | 2,541 | | 2,541 | |
| | 4.22 | Fork dimensions | s/e/l | mm | 90 / 200 / 1,830 | | 90 / 200 / 1,830 | | 100 / 200 / 2,440 | |
| | 4.23 | Carriage type | | | 90 mm std pin type | | 90 mm std pin type | | 100 mm std pin type | |
| | 4.24 | Carriage width | b3 | mm | 2,496 | | 2,496 | | 2,540 | |
| | 4.25 | Distance over fork arms, minimum / maximum | b5 | mm | 534 / 2356 | | 534 / 2356 | | 470 / 2440 | |
| | 4.30 | Sideshift (min / max) | b8 | mm | - | | - | | - | |
| | 4.31 | Ground clearance, under mast (w/o load) | m1 | mm | 245 | | 245 | | 225 | |
| | 4.32 | Ground clearance, centre of wheelbase | m2 | mm | 341 | | 341 | | 341 | |
| | 4.33 | Load size | w x l | mm | 1,200 x 1,200 | | 1,200 x 1,200 | | 2,400 x 2,400 | |
| 4.33.1 | Aisle width (a=10%) | Ast | mm | 7,399 | | 7,399 | | 9,140 | | |
| 4.33.2 | Aisle width (a=0) | Ast | mm | 6,726 | | 6,726 | | 8,309 | | |
| 4.33.3 | Aisle width (a=200) | Ast | mm | 6,926 | | 6,926 | | 8,509 | | |
| 4.34 | Load size | w x l | mm | 1,200 x 800 | | 1,200 x 800 | | - | | |
| 4.34.1 | Aisle width (a=10%) | Ast | mm | 6,959 | | 6,959 | | - | | |
| 4.34.2 | Aisle width (a=0) | Ast | mm | 6,326 | | 6,326 | | - | | |
| 4.34.3 | Aisle width (a=200) | Ast | mm | 6,526 | | 6,526 | | - | | |
| 4.35 | Turning radius (outer) | Wa | mm | 4,573 | | 4,573 | | 4,889 | | |
| 4.36 | Internal turning radius | b13 | mm | 1,777 | | 1,777 | | 1,803 | | |
| PERFORMANCE | TIER 3 | | | | | | | | | |
| | 5.1 | Travel speed laden/unladen T3** | | km/h | 27.4 | 29.0 | 27.4 | 29.0 | 27.1 | 29.0 |
| | 5.2 | Lifting speed laden/unladen 90cc T3 | | m/s | - | - | - | - | - | - |
| | 5.2.1 | Lifting speed laden/unladen 111cc T3 | | m/s | 0.36 | 0.40 | 0.36 | 0.40 | - | - |
| | 5.2.2 | Lifting speed laden/unladen 126cc T3 | | m/s | - | - | - | - | 0.3 | - |
| | 5.3 | Lowering speed laden/unladen | | m/s | 0.54 | 0.48 | 0.54 | 0.48 | 0.54 | 0.45 |
| | 5.5 | Drawbar pull laden/unladen @ 1.6 km/hour T3 | | kN | 99 | 102 | 99 | 101 | 98 | 101 |
| | 5.6 | Drawbar pull laden/unladen @ stall T3 | | kN | 111 | 114 | 111 | 114 | 110 | 113 |
| | 5.7 | Gradeability laden/unladen @ 1.6 km/hour T3 | | % | 32 | 33 | 29 | 32 | 26 | 31 |
| | 5.8 | Gradeability laden/unladen @ stall T3 | | % | 37 | 33 | 33 | 32 | 29 | 31 |
| | TIER 4 | | | | | | | | | |
| | 5.1 | Travel speed laden/unladen T4** | | km/h | 27.4 | 29.0 | 27.4 | 29.0 | 27.1 | 29.0 |
| | 5.2 | Lifting speed laden/unladen 90cc T4 | | m/s | - | - | - | - | - | - |
| | 5.2.1 | Lifting speed laden/unladen 111cc T4 | | m/s | - | - | - | - | - | - |
| | 5.2.2 | Lifting speed laden/unladen 126cc T4 | | m/s | 0.41 | 0.46 | 0.41 | 0.46 | 0.39 | 0.44 |
| | 5.3 | Lowering speed laden/unladen | | m/s | 0.54 | 0.48 | 0.54 | 0.48 | 0.54 | 0.45 |
| 5.5 | Drawbar pull laden/unladen @ 1.6 km/hour T4 | | kN | 104 | 107 | 104 | 107 | 107 | 110 | |
| 5.6 | Drawbar pull laden/unladen @ stall T4 | | kN | 117 | 120 | 117 | 120 | 120 | 123 | |
| 5.7 | Gradeability laden/unladen @ 1.6 km/hour T4 | | % | 34 | 33 | 31 | 32 | 28 | 31 | |
| 5.8 | Gradeability laden/unladen @ stall T4 | | % | 39 | 33 | 35 | 32 | 32 | 31 | |
| OTHERS | 10.1 | Operating pressure for attachments | | MPa | | | 19.5 | | | |
| | 10.2 | Oil volume for attachments | | l/min | | | 100 | | | |
| | 10.3 | Hydraulic tank capacity | | l | | | 109 | | | |
| | 10.4 | Fuel tank capacity | | l | | | 203 | | | |
| | 10.4.1 | DEF tank capacity | | l | | | 19 | | | |
| | 10.5 | Steering design | | | | | Hydraulic power steering | | | |
| | 10.6 | Number of steering rotation | | | | | 5.0 | | | |
| | 10.8 | Towing coupling, model / type | | | | | Yes/pin | | | |

(1) Truck models based on Tier 3 engine and standard pin-type carriage w/o fork positioning
(2) Travel speed laden/unladen limited at 25 km/h as factory default

CAPACITY SPECIFICATIONS

10-12T RATED CAPACITY KG @ 600 MM LOAD CENTRE

| | Lift height h3 + s (mm) | Lowered height h1 (mm) | Extended height h4 (mm) | Sideshift frame pin type carriage (kg) | |
|-------------|----------------------------|---------------------------|----------------------------|--|--------|
| | | | | H10XD6 | H12XD6 |
| 2-stage NFL | 3750 | 3510 | 5347 | 10,400 | 12,400 |
| | 4750 | 4010 | 6347 | 10,400 | 12,400 |
| | 6250 | 4760 | 7847 | 10,000 | 12,000 |

Capacity calculated with 1,220 mm forks. Smaller derate applicable with less backtilt.
 Note: Addition of header hoses will add 17 mm to OLH (h1) and OEH (h4).

14-16T NOMINAL CAPACITY IN KG @ 600MM LOAD CENTRE WITH PIN TYPE CARRIAGE WITH SIDESHIFT

| | Lift height h3 + s (mm) | Lowered height h1 (mm) | Extended height h4 (mm) | Sideshift frame pin type carriage (kg) | |
|-------------|----------------------------|---------------------------|----------------------------|--|--------|
| | | | | H14XD6 | H16XD6 |
| 2-stage NFL | 3750 | 3568 | 5398 | 14,500 | 16,400 |
| | 4750 | 4068 | 6398 | 14,500 | 16,400 |
| | 6250 | 4818 | 7898 | 14,040 | 15,900 |

Capacity calculated with bias tyres.
 Capacity calculated with 1,830 mm forks
 Note: Addition of header hoses will add 17 mm to OLH (h1) and OEH (h4)

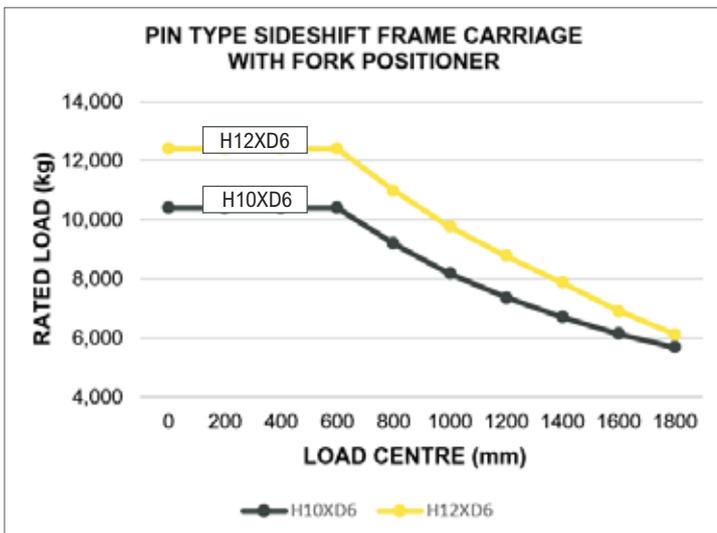
16T NOMINAL CAPACITY KG @ 1200 MM LOAD CENTRE WITH QUICK DISCONNECT CARRIAGE

| | Lift height h3 + s (mm) | Lowered height h1 (mm) | Extended height h4 (mm) | QD DFSSFP carriage (kg) |
|-------------|----------------------------|---------------------------|----------------------------|-------------------------|
| | | | | H16XDS12 |
| 2-STAGE NFL | 3984 | 3703 | 5645 | 16,000 |
| | 4594 | 4008 | 6255 | 16,000 |
| | 6219 | 4821 | 7880 | - |

Capacity calculated with 2400 mm forks.
 Capacity calculated with bias tyres, radial tyres will give a higher derate for DFSSFP carriage above 5000 mm Lift Height
 Note: Addition of header hoses will add 17 mm to OLH (h1) and OEH (h4)

CAPACITY RATINGS

10-12T RATED CAPACITY KG @ 600 MM LOAD CENTRE

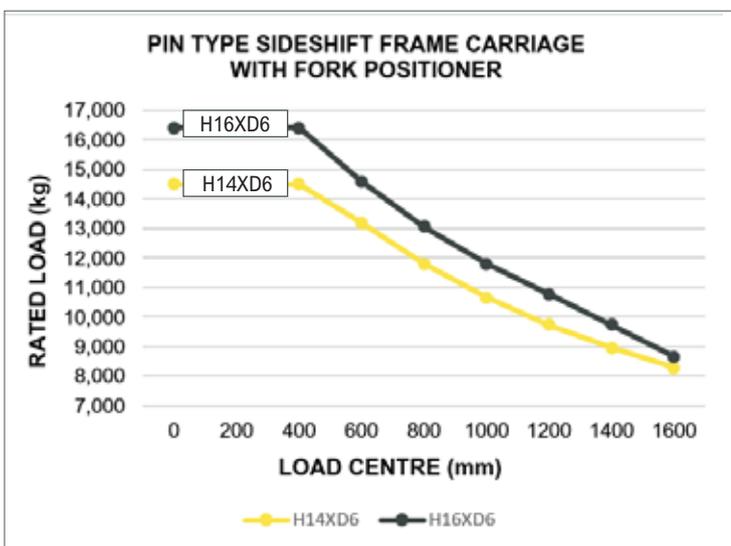


Load centre - distance from front of forks to centre of gravity of load.

Rated load - based on vertical mast.

Graphs are based on 5000 mm TOF (h3 + s (mm)) lift height and 1220 mm long forks. Long load centre capacities are for reference only and will require longer forks. Please request actual capacity based on the full configuration.

14-16T NOMINAL CAPACITY IN KG @ 600MM LOAD CENTRE WITH PIN TYPE CARRIAGE WITH SIDESHIFT



Load centre - distance from front of forks to centre of gravity of load.

Rated load - based on vertical mast.

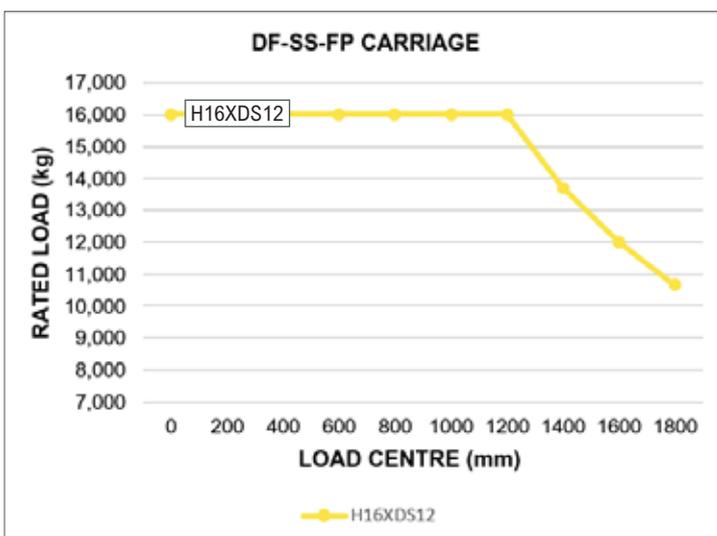
Graphs are based on 5000 mm TOF (h3 + s (mm)) lift height.

XD6 models are calculated with 1830 mm long forks.

Long load centre capacities are for reference only and will require longer forks.

Please request actual capacity based on the full configuration.

16T NOMINAL CAPACITY KG @ 1200 MM LOAD CENTRE WITH QUICK DISCONNECT CARRIAGE



Load centre - distance from front of forks to centre of gravity of load.

Rated load - based on vertical mast.

Graphs are based on 4594 mm TOF (h3 + s (mm)) lift height

XDS12 models are calculated with 2440 mm long forks.

Long load centre capacities are for reference only and will require longer forks.

Please request actual capacity based on the full configuration.

POWERTRAINS

| GENERAL | 1.1 | Manufacturer | | | HYSTER | |
|---------|--------|--|--|---------|------------------------|------------------------|
| | 1.2 | Manufacturer's type designation | | | H10-16XD6, H16XDS12 | |
| | 1.3 | Drive: electric (battery or mains), diesel, petrol, fuel gas | | | Diesel | |
| | 1.9 | Wheelbase | y | mm | 2900-3500 | |
| ENGINE | 7.1 | Engine manufacturer / type | | | Cummins QSB 6.7 Tier 3 | Cummins QSB 6.7 Tier 4 |
| | 7.2 | Engine output according to ISO 1585 nominal | | kW@rpm | 116@2300 | 122@2300 |
| | 7.2.1 | Engine output according to ISO 1585 max | | kW@rpm | 116@2300 | 125@2100 |
| | 7.2.2 | Maximum engine torque | | Nm@rpm | 597@1500 | 732@1500 |
| | 7.3 | Rated speed | | rpm | 2,300 | |
| | 7.4 | Number of cylinders / displacement | | # / cm3 | 6 / 6700 | |
| | 7.5 | Fuel consumption in accordance to VDI | | l/h | Call | |
| | 7.8 | Alternator | | A | 120 | |
| | 7.10 | Battery voltage/nominal capacity | | V / Ah | 24 / 102 | |
| | OTHERS | 10.7 | Sound pressure level per EN 12053 at the driver's seat *** | | dB (A) | - |
| 10.7.1 | | Sound power level per EN 12053 during the working cycle *** | | dB (A) | TBD | |

| GENERAL | 1.1 | Manufacturer | | | HYSTER | | |
|-------------|-----|----------------------------------|--|--|------------------------|---------------------|--|
| | 1.2 | Manufacturer's type designation | | | H10-12XD6 | H14-16XD6, H16XDS12 | |
| DRIVE TRAIN | 8.1 | Type of drive unit | | | Torque Converter | | |
| | 8.2 | Transmission Manufacturer / Type | | | ZF / 3WG161 | | |
| | 8.3 | Drive axle Manufacturer / Type | | | Kessler D61 | Kessler D81 | |
| | 8.4 | Service brake | | | Oil immersed disc | | |
| | 8.5 | Parking brake | | | dry disc on drive axle | | |

NOTES:

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

(3) Sound level(s) available on request

All capacities are according to EN1551.

NOTICE:

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

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

Hyster products are subject to change without notice.

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

CERTIFICATION:

Hyster lift trucks meet the design and construction requirements of B56.1-1969, per OSHA Section 1910.178(a)(2), and also comply with the B56.1 revision in effect at time of manufacture. Certification of compliance with the applicable ANSI standards appears on the lift truck. Performance specifications are for a truck equipped as described under Standard Equipment on this Technical Guide. Performance specifications are affected by the condition of the vehicle and how it is equipped, as well as by the nature, condition of the operating area, proper service and maintenance of the vehicle. If these specifications are critical, the proposed application should be discussed with your dealer.

NOTE: Specifications, unless otherwise listed, are for a standard truck without optional equipment.

Specification data is based on VDI 2198.

FEATURES AND OPTIONS

| PERFORMANCE | STD | OPT |
|--|-----|-----|
| Cummins QSB 6.7L Tier 3 diesel engine 156 hp (116 kW) | x | |
| Cummins QSB 6.7L Tier 4F diesel engine 164 hp (122 kW) | | x |
| Hydraulic driven cooling fan | x | |
| Performance modes (Tier 4) | x | |
| Powertrain protection system | x | |
| Heavy duty air intake | x | |
| High mount exhaust | x | |
| ZF Transmission 3WG161 3-speeds forward/3-speeds reverse auto shifting | x | |
| Kessler drive axle with wet disc brakes | x | |
| DRIVE | STD | OPT |
| Speed limiter - unconditional and customer adjustable | | x |
| Travel speed limiter - loaded (adjustable) | | x |
| 10.00-20 16PR Pneumatic Bias Ply drive and steer tyres (H10XD6 / H12XD6) | x | |
| 12.00-20 20PR Pneumatic Bias Ply drive and steer tyres (H14XD6 / H16XD6) | x | |
| 12.00 - 20 20 Pneumatic Bias drive and steer tyres (H16XDS12) | x | |
| LIFT | STD | OPT |
| On-demand load sensing hydraulic system | x | |
| Automatic throttle-up when lifting (in neutral or inching) | x | |
| Hydraulic accumulator | | x |
| Pressure compensated lowering | x | |
| Hydraulic system temperature protection | | x |
| Mast tilt indicator - mechanical | | x |
| 90cc dual pump hydraulic system (H10XD6 / H12XD6) | x | |
| Four mast mounted work lights (H10XD6 / H12XD6) | x | |
| 2-stage non free lift 10t and 12t mast (H10XD6 / H12XD6) | x | |
| Mast tilt - 15° forward / 12° back (H10XD6 / H12XD6) | x | |
| 111cc Dual pump hydraulic system (H14XD6 / H16XD6) | x | |
| Four mast mounted work lights (H14XD6 / H16XD6) | x | |
| 2-stage non free lift 16t mast (H14XD6 / H16XD6) | x | |
| Mast tilt - 15° forward / 12° back (H14XD6 / H16XD6) | x | |
| 126cc dual pump hydraulic system (H16XDS12) | x | |
| Two mast mounted work lights (H16XDS12) | x | |
| 2-stage non free lift 18t mast (H16XDS12) | x | |
| Mast tilt - 15° forward / 12° back (H16XDS12) | x | |
| HANDLING | STD | OPT |
| 2400 mm (94.3") pin type integral sideshift carriage with simultaneous and independent fork positioner (H10XD6 / H12XD6) | x | |
| 2500 (98") high load backrest (for lumber applications) (H10XD6 / H12XD6) | | x |
| 2010 mm (79") high load backrest (H10XD6 / H12XD6) | | x |
| Pin type forks (various sizes) (H10XD6 / H12XD6) | | x |

| HANDLING (CONTINUED) | STD | OPT |
|--|-----|-----|
| 2500 mm (94.3") pin type integral sideshift carriage with simultaneous and independent fork positioner (H14XD6 / H16XD6) | x | |
| 2500 mm (98") high load backrest (for lumber applications) (H14XD6 / H16XD6) | | x |
| 2010 mm (79") high load backrest (H14XD6 / H16XD6) | | x |
| Pin type forks (various sizes) (H14XD6 / H16XD6) | | x |
| 2540 mm (100") hook type dual function sideshift carriage with individual fork positioner with quick disconnect forks (H16XDS12) | x | |
| Simultaneous fork positioning (H16XDS12) | x | |
| 2440 mm (96") length hook type forks (H16XDS12) | X | |
| ERGONOMICS | STD | OPT |
| Enclosed classic cabin | x | |
| Powered tilt operator compartment for service | x | |
| Isolated cabin mounting for low noise and vibration | x | |
| Operator presence system | x | |
| Deluxe air suspension seat | x | |
| Cloth seat cover | x | |
| 2-point high visibility seatbelt | x | |
| Floor mat | x | |
| Coat hook | x | |
| "I"-pattern front wiper (enclosed classic operator cabin) | x | |
| Steel bars under glass top window (enclosed classic operator cabin) | x | |
| 7" Integrated performance display | x | |
| Touchpoint™ mini levers hydraulic control integrated in control arm | x | |
| Steering wheel with spinner knob | x | |
| Directional control lever | x | |
| Hyster MONOTROL® pedal directional control | | x |
| Directional control on mini-levers or joystick | | x |
| Park brake - manual | x | |
| Telescoping and tilting steering column | x | |
| USB outlet inside armrest | x | |
| 24-12 DC converter with 2 sockets and 2 USB outlets | | x |
| Automatic climate control | x | |
| Reading light | | x |
| Sun shades on top and rear | x | |
| Sun visors front window | | x |
| Trainer seat | | x |
| Recirculation fan | | x |
| Accessory mounting bar on cab front right pillar | | x |
| Radio preparation set-up (wiring, two speakers and antenna) | | x |

* Standard or optional in selected markets. Other options available through Special Products Engineering Department (SPED). Contact Hyster for details.

FEATURES AND OPTIONS

| VISIBILITY | STD | OPT |
|--|------------|------------|
| Exterior mirrors mounted to cab | x | |
| Interior wide angle mirrors | x | |
| Rear view camera system | | x |
| LED work lights | x | |
| Two head lights mounted on front fenders | x | |
| Mast mounted work lights | x | |
| Two rearward work lights mounted on the cabin | x | |
| LED stop/tail/brake lights | x | |
| Turn signals, hazard and marker lights (LED) | x | |
| OPERATION | STD | OPT |
| Electric horn 105 dBA | x | |
| Visible alarm - Amber strobe light, key switch activated | x | |
| Audible alarm – reverse direction activated 82–102 dB(A), self-adjusting | x | |
| Blue LED spotlight – rear / front and rear | | x |
| Air-conditioning or automatic climate control off with open door | x | |
| Automatic truck shutdown with timer | | x |
| Lockable battery disconnect switch | | x |
| Truck start with key switch and start button | x | |
| Sequential seatbelt interlock for truck start | x | |
| Power distribution group with fuses | x | |
| Lockable fuel cap | x | |
| Hyster Tracker™ wireless asset management - access / verification | | x |
| Hyster Tracker™ wireless asset management - monitoring | x | |
| Auto greasing system for basic truck and outer mast | | x |
| 24 volt electrical system | x | |
| Front mud flaps | | x |
| Rear mud flaps | | x |
| Lifting eyes - 2 front and 2 rear | | x |
| APPEARANCE | STD | OPT |
| Hyster yellow paint base truck | x | |
| SUPPLEMENTAL | STD | OPT |
| Literature package | x | |
| Operator's manual | x | |
| Warranty: 12 months / 2,000 hours parts manufacturer's warranty | x | |

* Standard or optional in selected markets. Other options available through Special Products Engineering Department (SPED). Contact Hyster for details.

FRONT END EQUIPMENT

RANGE OF PIN TYPE AND HOOK TYPE FORKS



H10-16XD6

PIN TYPE INTEGRAL SIDESHIFT FRAME CARRIAGE



H16XDS12

QD HOOK TYPE DUAL FUNCTION SIDESHIFT CARRIAGE WITH FORK POSITIONER



HYSTER® DEALERS



Contact your nearest
Hyster® Dealership by
visiting www.hyster.com



Hyster Pacific

1/23 Rowood Road, Prospect NSW 2148

Tel: +61 (2) 9795 3800

Hyster Asia

2 Venture Drive, #23-28, Vision Exchange, Singapore 608526

Tel: +65 6863 3387

Visit us online at www.hyster.com

© 2025 Hyster-Yale Materials Handling, Inc., all rights reserved. HYSTER and  are trademarks of Hyster-Yale Materials Handling, Inc. Specifications and details in this brochure are subject to change without prior notification. Please consult with your Hyster dealer for the most up to date information and to confirm exact capacities.