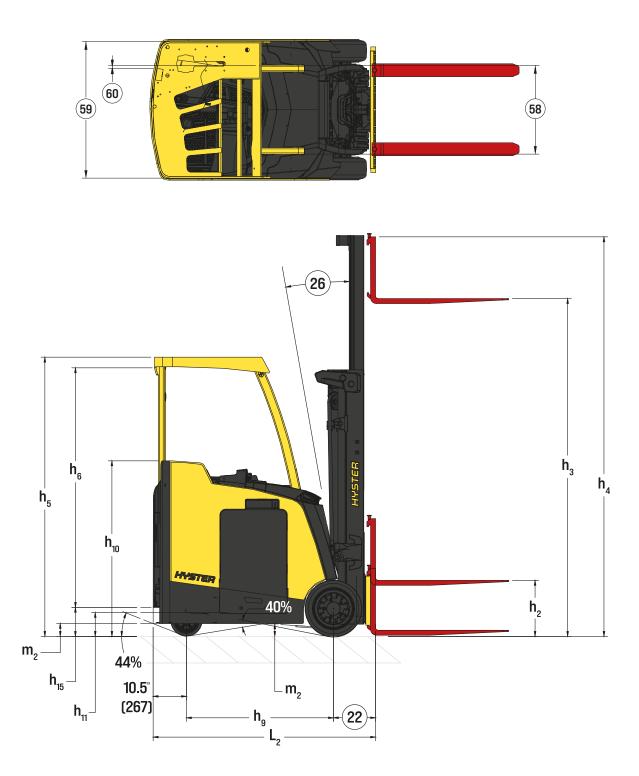


3-WHEEL STAND-UP ELECTRIC FORKLIFT TRUCK

Product Technical Guide



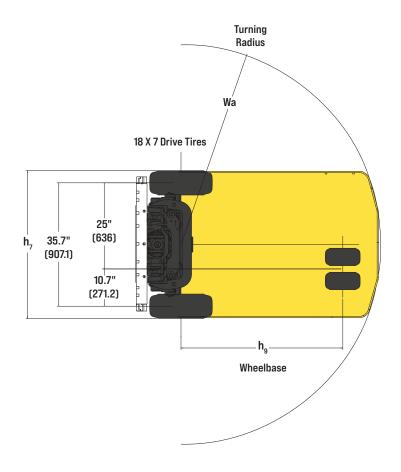
E30-40AD DIMENSIONS

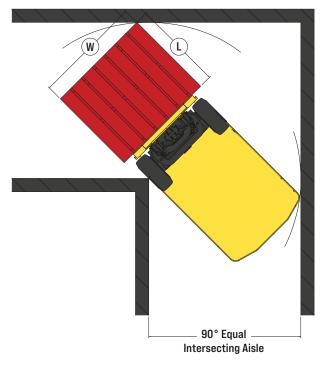


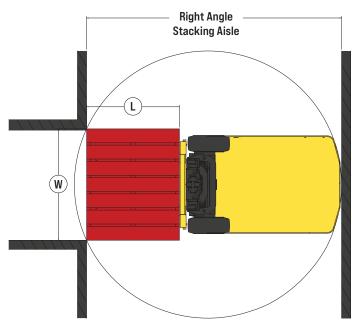
Circled dimensions correspond to the line numbers on the tabulated chart inside the technical guide. Dimensions are in inches (millimeters).

^{*} Measurement assumes zero compression of floor plate suspension spring, which varies depending on operator weight (typical 1/2" deflection could be assumed for increased operator height clearance).

E30-40AD DIMENSIONS







E30AD SPECIFICATIONS

| 1 Manufacturer Hyster | |
|--|----------------------------|
| Model designation | ESOAD |
| 2 Model designation E30AD 3 Power: battery, diesel, LPG, electric mains Battery | E30AD |
| 3 Power: battery, diesel, LPG, electric mains Battery 4 Operation: manual, pedestrian, stand, sit, seat Stand | |
| | |
| 6 Load center in (mm) 24 (609) | |
| Load capacity/rated load (max battery) Ib 3000 | 7020 (3184) |
| 07/2 / 2156 | 10065 / 2252 |
| 8 Axle loading, laden drive/steer (max battery) b (kg) | (4565 / 1021) |
| 9 Axle loading, unladen drive/steer (max battery) Ib (kg) 3731 / 5166 | 4199 / 5118 |
| (1692 / 2343) | (1904 / 2321) |
| 10 Tires: P=pneumatic, C=cushion, SC=super cushion, PSS=pneumatic shape solid | |
| 11 Tires size: drive in 18×7×12–1/8 12 Tires size: steer in 10×5×6–1/2 | |
| | |
| 13 Number of wheels, front/rear (x = driven) 2x / 2 14 Overall collapsed height of mast, lowered (from ground) h, See Mast Table | |
| | |
| | |
| 16 Max lift height (MFH) 17 Height of mast (extended – highest point) 18 See Mast Table 19 See Mast Table 19 See Mast Table | |
| | |
| ob defined guard neight – standard v optional 115 m (nim) 56 (2237) 65 (2105) 15 (2105 | |
| 19 Std / optional OHG - Opt | |
| 105.7" (2686) w/a ISS | 107.8" (2737) w/o ISS |
| 20 Overall length (1067mm forks) without our with integral sideshift Δ | 109" (2769) w/ISS |
| | 65.7" (1670) w/o ISS |
| 00 (1001) W/155 | 67" (1702) w/ISS |
| 22 Load distance – LD Drive axle to face of forks, w/o ISS LD in (mm) 2-Stg: 13.3" (337.6), 14.6" (370) | |
| 22a [Add 1.28" (32.4mm) for 2/3-stage masts w/ISS) LD in (mm) 3-Stg: 13.3" (337.6), 14.6" (370) | • |
| 22b [Add 1.09" [27.8mm] for 4-stage mast w/ISS] LD in (mm) 4-Stg: 17.5" [445], 18.6" (473) v | v/ISS |
| 23 Overall chassis width | 73 |
| 24 Fork dimensions | <i>'</i> J |
| 25 Fork adjustment range (outside measurement) h ₈ in (mm) 8"-33" (203-838) 26 Tilt range fwd/bkwd standard (optional) Deg 5F / 5B (10F / 5B) | |
| 26 Tilt range fwd/bkwd standard (optional) Deg 5F / 5B (10F / 5B) | 43 (1066) |
| ≥ 27 Wheelbase | 42 (1066) |
| 28 Ground clearance, laden, below mast m ₁ in (mm) 3.5 (90) | |
| 29 Ground clearance at center of wheelbase m ₂ in (mm) 4 (102) | 100/ 5000/ |
| | 42% (36% worn tire) |
| Gradeability (operating grade) % 15% | |
| 82 RAS aisle width with pallets 48" long (parallel to forks), zero clearance Ast in (mm) 113.9 (2893) | 115.8 (2941) |
| (turning radius + load distance + load length) w/integral sideshift \(\Delta \) | 00.1 (1755) |
| 33 Equal aisle, 90° intersecting aisle∆ in (mm) 68.6 (1743) 34 Turning radius Δ Wa in (mm) 51.3 (1304) | 69.1 (1755) 53.2 (1351) |
| 34Turning radius Δ Wain (mm)51.3 (1304)35Ground to top of frame side panel (vert) h_{10} in (mm)55 (1396) | 03.2 [1301] |
| 36 Ground to battery compartment floor (top of rollers) h_{11} in (mm) 7.5 (190) | |
| 37 Battery compartment height (from top of rollers) h_p in (mm) 31.1 (790) | |
| 38 Battery compartment width (across truck) h ₁₃ in (mm) 38.9 (988) | |
| 39 Battery compartment length (fore/aft) | 16.26 (413) |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | |
| 41 Ground to top of forks | |
| 42 Max travel speed empty / laden (extended shift: OFF, forks trailing) mph (km/h) 8.0 / 8.0 (12.9/12.9) | |
| 43 Max travel speed empty / laden (extended shift: OFF, forks fwd) mph (km/h) 8.0 / 8.0 (12.9/12.9) | |
| Lifting speed empty / laden Standard - Std ft/min (m/s) 84/63 (0.43/0.32) - Std | |
| A4 | |
| 45 Lowering speed empty / laden ft/min (m/s) 98 / 102 (0.5/0.52) | |
| ± 46 Sound level (drive by) (dB) 63 | |
| | |
| 48 Park brake type Spring apply (electric releas | ,e) |
| 49 Service brake type Foot - pedal (regen) | |
| 50 Drive motor, rating (60 min rating) hp (kW) 6 (4.5) | |
| 51 Lifting motor, rating (5 min rating) hp (kW) 17.7 (13.2) – 15min hp (kW) 36V | |
| 52 Battery voltage V Sov Lead acid Thin plate pure lead Li | thium ianA |
| | 1980-2300 (898-1043) |
| is (ig) | 8.56"W × 15.6"L × 31"H |
| 36 3rd function flow/proceurs 12.0 - 26.0 L/min (3.2-6.9 gal/ | min), |
| 132 bid (2200 jist) - 200 bid (300 jist) | • |
| gpiii / psi 152 bar (2200 psi) – 206 bar (300 | |
| 58 Front leg width in (mm) 27 (685) 59 Canopy width in (mm) 41.6 (1056) | |
| 60 Rear leg offset** in (mm) 1.25 (32) | |
| | |

 $^{^{\}star} \;\; \text{Right angle stack and equal intersecting aisle dimensions provided with a 48" long and 40" wide pallet}$

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.

load, 2-stage LFL mast with Integral Sideshift Carriage, allowing zero clearance.

** Rear leg dimension does not include optional equipment such as work lights, visible alarms or Telemetry, which may reduce clearance.

[♦] Optional with Hyster Power Cellect

Specifications, unless otherwise listed, are for a standard truck without optional equipment. Δ External mounted operator sensing system egress option will increase length of truck by 1.9" (48mm) $RAS = Turn \ radius + load \ distance + load \ length + clearance$

E30AD-E35AD SPECIFICATIONS

| | | Manufacturer | | | | Hyst | | | | |
|---------------------|---|---|---|-----------------|---|--|--|--|--|--|
| | 2 | Model designation | | | | E30AD | E35AD | | | |
| | 3 | Power: battery, diesel, LPG, elec- | tric mains | | | Batte | ry | | | |
| | 4 | Operation: manual, pedestrian, s | stand, sit, seat | | | Stan | d | | | |
| 3AL | | Load capacity/rated load (max b | pattery) | | lb | 3000 | 3500 | | | |
| GENERAL | | Load center | • | | in (mm) | 24 (60 | 091 | | | |
| 핑 | | Unladen weight (no battery) | | | lb (kg) | 6470 (2935) | 6990 (3171) | | | |
| | | | | | 1 0 | 10098 / 2064 | 11063 / 2124 | | | |
| | 8 | Axle loading, laden drive/steer (| .max battery) | | lb (kg) | (4580 / 936) | (5018 / 963) | | | |
| | | | | | | 4363 / 4800 | 4371 / 5316 | | | |
| | 9 | Axle loading, unladen drive/stee | er (max battery) | | lb (kg) | (1979 / 2177) | (1983 / 2411) | | | |
| | 10 | Tires: P=pneumatic. C=cushion. | SC=super cushion, PSS=pneumatic shape solid | | • | Ċ | | | | |
| S | | Tire size: drive | | | in | 18×7×12 | !-1/8 | | | |
| TIRES | | Tire size: steer | | | in | 10×5×6 | | | | |
| | | Number of wheels, front/rear (x | c = driven) | | 1 | 2x/ | • | | | |
| | _ | Overall collapsed height of mast | | h, | 1 | See Mast | | | | |
| | | Free lift (carriage travel) | , | h ₂ | | See Mast | | | | |
| | | Max lift height (MFH) | | h ₃ | | See Mast | | | | |
| | _ | Height of mast (extended - high | neet noint) | h ₄ | | See Mast | | | | |
| | | Overhead guard height - standa | | h ₅ | in (mm) | 88" (2237) / 83" (2108) | | | | |
| | 18 | OHG inside clearance (floor to ur | | 115 | 111 (111111) | | | | | |
| | 19 | Std / Optional OHG - Opt | iderside of ono) stalidard ono – | h_6 | in (mm) | Std 88" - 78.5" (1995) Opt 83" - 73.4" (1865) | | | | |
| | - | | | | | 109.8" (2788 | | | | |
| | 20 | Overall length (1067mm forks) v | without our with integral sideshift Δ | l ₁ | in (mm) | 111.0" (282) | | | | |
| | | | 12 11 1 11 11 11 11 | | | 67.8" (1721) | | | | |
| | 21 | Length to face of forks (head le | ngth) without our with integral sideshift <code>\Delta</code> | | in (mm) | 69.0" (1753 | | | | |
| | 22 | Load distance - LD | Drive axle to face of forks, w/o ISS | LD | in (mm) | 2-Stg: 13.3" (337.6), | 14.6" (370) w/ISS | | | |
| | 22a | | (Add 1.28" (32.4mm) for 2/3-stage masts w/ISS) | LD | in (mm) | 3-Stg: 13.3" (337.6), | 14 6" (370) w/ISS | | | |
| | 22b | | (Add 1.09" (27.8mm) for 4-stage mast w/ISS) | LD | in (mm) | 4-Stg: 17.5" (445), 1 | | | | |
| | | Overall chassis width | [Add 1.00 (27.01111) for 4 stage mast w/ 100] | | in (mm) | 42.7" [1 | | | | |
| | | | | h ₇ | | | * | | | |
| SS | | Fork dimensions | | 1. | in (mm) | 1.5 × 4 × 42 (38 | • | | | |
| DIMENSIONS | | Fork adjustment range (outside | | h ₈ | in (mm) | 8"- 33" (20 | • | | | |
| Ë | _ | Tilt range fwd/bkwd standard (d | optional) | | Deg | 5F / 5B (10 | F / 5B) | | | |
| <u>≥</u> | 27 | Wheelbase | | h ₉ | in (mm) | 43.9 (1 | 116) | | | |
| | 28 | Ground clearance, laden, below | mast | m ₁ | in (mm) | 3.5 (9 | 0) | | | |
| | 29 | Ground clearance at center of w | rheelbase | m ₂ | in (mm) | 4 (10 | 2) | | | |
| | 30 | Grade clearance | | ' | % | 41% (36% v | rorn tire) | | | |
| | | Gradeability (operating grade) | | | % | 15% | | | | |
| | Ť | | long (parallel to forks), zero clearance | | | | | | | |
| | 32 | | + load length) w/integral sideshift Δ | Ast | in (mm) | 117.7 (2 | 3 90J | | | |
| | 33 | Equal aisle, 90° intersecting ais | | • | in (mm) | 69.6 (1) | 7681 | | | |
| | | Turning radius Δ | | Wa | in (mm) | 55.1 (13 | • | | | |
| | _ | Ground to top of frame side pan | el (vert) | h ₁₀ | in (mm) | 55 (1396) | | | | |
| | | Ground to battery compartment | | 1. " | | | | | | |
| | | | - | h ₁₁ | in (mm) | 7.5 (19 | 10) | | | |
| | | , , , | Battery compartment height (from top of rollers) h_{12} | | | 011(7 | າດາ | | | |
| | | Battery compartment width (across truck) h ₁₃ | | | in (mm) | 31.1 (7 | | | | |
| | | | cross truck) | h ₁₃ | in (mm) | 38.9 (9 | 88) | | | |
| | | Battery compartment length (fo | cross truck) | | in (mm) in (mm) | 38.9 (S 18.3 (4 | 88) 64) | | | |
| | 40 | Battery compartment length (fo Step height | cross truck) | | in (mm) in (mm) in (mm) | 38.9 (5 18.3 (4 9.3 (2 | 88) 64) 37) | | | |
| | 40 41 | Battery compartment length (fo Step height Ground to top of forks | oross truck) pre/aft) | h ₁₃ | in (mm) in (mm) in (mm) in (mm) | 38.9 (5 18.3 (4 9.3 (2 1.5 (4 | 88) 64) 37) 0) | | | |
| | 40 41 42 | Battery compartment length (fo Step height Ground to top of forks Max travel speed empty / laden | oross truck) ore/aft) (extended shift: OFF, forks trailing) | h ₁₃ | in (mm) in (mm) in (mm) | 38.9 (5 18.3 (4 9.3 (2 | 88) 64) 37) 0) | | | |
| | 40 41 42 43 | Battery compartment length (fo Step height Ground to top of forks Max travel speed empty / laden Max travel speed empty / laden | oross truck) ore/aft) (extended shift: OFF, forks trailing) | h ₁₃ | in (mm) in (mm) in (mm) in (mm) | 38.9 (5 18.3 (4 9.3 (2 1.5 (4 | 88) 64) 37) 0) .9/12.9) | | | |
| CE | 40 41 42 43 | Battery compartment length (fo Step height Ground to top of forks Max travel speed empty / laden | oross truck) ore/aft) (extended shift: OFF, forks trailing) | h ₁₃ | in (mm) in (mm) in (mm) in (mm) mph (km/h) | 38.9 (5 18.3 (4 9.3 (2 1.5 (4 8.0 / 8.0 (1) | 88) 64] 37] 0) 2.9/12.9) | | | |
| ANGE | 40 41 42 43 44 | Battery compartment length (fo Step height Ground to top of forks Max travel speed empty / laden Max travel speed empty / laden Lifting speed empty / laden | oross truck) ore/aft) (extended shift: OFF, forks trailing) (extended Shift: OFF, forks fwd) | h ₁₃ | in (mm) in (mm) in (mm) in (mm) in (mm) mph (km/h) mph (km/h) | 38.9 (5 18.3 (4 9.3 (2 1.5 (4 8.0 / 8.0 (1) 8.0 / 8.0 (1) | 88) 64] 37] 0) 2.9/12.9) 2.9/12.9) 0.32) – Std | | | |
| RMANCE | 40 41 42 43 44 44a | Battery compartment length (fo Step height Ground to top of forks Max travel speed empty / laden Max travel speed empty / laden Lifting speed empty / laden | oross truck] ore/aft] (extended shift: OFF, forks trailing) (extended Shift: OFF, forks fwd) Standard - Std | h ₁₃ | in (mm) in (mm) in (mm) in (mm) mph (km/h) mph (km/h) ft/min (m/s) | 38.9 (5 18.3 (4 9.3 (2 1.5 (4 8.0 / 8.0 (1) 8.0 / 8.0 (1) 84/63 (0.43/ | 88) 64] 37] 0) 2.9/12.9) 2.9/12.9) 0.32) – Std 0.39) – HP | | | |
| 3FORMANCE | 40 41 42 43 44 44a 45 | Battery compartment length (fo Step height Ground to top of forks Max travel speed empty / laden Max travel speed empty / laden Lifting speed empty / laden | oross truck] ore/aft] (extended shift: OFF, forks trailing) (extended Shift: OFF, forks fwd) Standard - Std | h ₁₃ | in (mm) in (mm) in (mm) in (mm) mph (km/h) mph (km/h) ft/min (m/s) ft/min (m/s) | 38.9 (5 18.3 (4 9.3 (2 1.5 (4 8.0 / 8.0 (1) 8.0 / 8.0 (1) 84/63 (0.43/ 118/77 (0.6/ | 88) 64) 87) 0) 2.9/12.9) 2.9/12.9) 0.32) – Std 0.39) – HP 5/0.52) | | | |
| PERFORMANCE | 40 41 42 43 44 44a 45 46 | Battery compartment length (fo Step height Ground to top of forks Max travel speed empty / laden Max travel speed empty / laden Lifting speed empty / laden Lowering speed empty / laden Sound level (drive by) | cross truck] pre/aft] [extended shift: OFF, forks trailing] [extended Shift: OFF, forks fwd] Standard - Std High performance - HP | h ₁₃ | in (mm) in (mm) in (mm) in (mm) mph (km/h) mph (km/h) ft/min (m/s) ft/min (m/s) ft/min (m/s) (dB) | 38.9 (5 18.3 (4 9.3 (2 1.5 (4 8.0 / 8.0 (1) 8.0 / 8.0 (1) 84/63 (0.43/ 118/77 (0.6/ 98 / 102 (0 | 88) 64) 37) 0) 2.9/12.9) 2.9/12.9) 0.32) – Std 0.39) – HP 5/0.52) | | | |
| PERFORMANCE | 40 41 42 43 44 44a 45 46 47 | Battery compartment length (fo Step height Ground to top of forks Max travel speed empty / laden Max travel speed empty / laden Lifting speed empty / laden Lowering speed empty / laden Sound level (drive by) Hydraulic system operating pres | cross truck] pre/aft] [extended shift: OFF, forks trailing] [extended Shift: OFF, forks fwd] Standard - Std High performance - HP | h ₁₃ | in (mm) in (mm) in (mm) in (mm) mph (km/h) mph (km/h) ft/min (m/s) ft/min (m/s) | 38.9 (5 18.3 (4 9.3 (2 1.5 (4 8.0 / 8.0 (1) 8.0 / 8.0 (1) 84/63 (0.43/ 118/77 (0.6/ 98 / 102 (0 63 2600 (| 88) 64) 37) 0) .9/12.9) .9/12.9) 0.32) – Std 0.39) – HP 5/0.52) | | | |
| PERFORMANGE | 40 41 42 43 44 44a 45 46 47 | Battery compartment length (fo Step height Ground to top of forks Max travel speed empty / laden Max travel speed empty / laden Lifting speed empty / laden Lowering speed empty / laden Sound level (drive by) Hydraulic system operating pres Park brake type | cross truck] pre/aft] [extended shift: OFF, forks trailing] [extended Shift: OFF, forks fwd] Standard - Std High performance - HP | h ₁₃ | in (mm) in (mm) in (mm) in (mm) mph (km/h) mph (km/h) ft/min (m/s) ft/min (m/s) ft/min (m/s) (dB) | 38.9 (5 18.3 (4 9.3 (2 1.5 (4 8.0 / 8.0 (1) 8.0 / 8.0 (1) 84/63 (0.43/ 118/77 (0.6/ 98 / 102 (0 63 2600 (Spring apply (ele | 88) 64) 37) 0) .9/12.9) .9/12.9) 0.32) - Std 0.39) - HP 5/0.52) | | | |
| PERFORMANCE | 40 41 42 43 44 44a 45 46 47 48 49 | Battery compartment length (fo Step height Ground to top of forks Max travel speed empty / laden Max travel speed empty / laden Lifting speed empty / laden Lowering speed empty / laden Sound level (drive by) Hydraulic system operating pres Park brake type Service brake type | ross truck) pre/aft) (extended shift: OFF, forks trailing) (extended Shift: OFF, forks fwd) Standard – Std High performance – HP | h ₁₃ | in (mm) in (mm) in (mm) in (mm) mph (km/h) mph (km/h) ft/min (m/s) ft/min (m/s) (dB) psi (bar) | 38.9 (5 18.3 (4 9.3 (2 1.5 (4 8.0 / 8.0 (1) 8.0 / 8.0 (1) 84/63 (0.43/ 118/77 (0.6/ 98 / 102 (0 63 2600 (Spring apply (ele | 88) 64) 37) 0) .9/12.9) .9/12.9) 0.32) - Std 0.39) - HP 5/0.52) 179) ctric release) | | | |
| | 40 41 42 43 44 44a 45 46 47 48 49 | Battery compartment length (for Step height Ground to top of forks Max travel speed empty / laden Max travel speed empty / laden Lifting speed empty / laden Lowering speed empty / laden Sound level (drive by) Hydraulic system operating pres Park brake type Service brake type Drive motor, rating (60 min ratin | cross truck] pre/aft) (extended shift: OFF, forks trailing) (extended Shift: OFF, forks fwd) Standard – Std High performance – HP | h ₁₃ | in (mm) in (mm) in (mm) in (mm) mph (km/h) mph (km/h) ft/min (m/s) ft/min (m/s) (dB) psi (bar) | 38.9 (5 18.3 (4 9.3 (2 1.5 (4 8.0 / 8.0 (1) 8.0 / 8.0 (1) 84/63 (0.43/ 118/77 (0.6/ 98 / 102 (0 63 2600 (Spring apply (ele Foot - peda | 88) 64) 87] 0) 1.9/12.9) 1.9/12.9) 0.32) – Std 0.39) – HP 5/0.52) 179] ctric release] | | | |
| | 40 41 42 43 44 44a 45 46 47 48 49 | Battery compartment length (for Step height Ground to top of forks Max travel speed empty / laden Lifting speed empty / laden Lowering speed empty / laden Lowering speed empty / laden Sound level (drive by) Hydraulic system operating pres Park brake type Service brake type Drive motor, rating (60 min ratin Lifting motor, rating (50 min ratin | cross truck] pre/aft) (extended shift: OFF, forks trailing) (extended Shift: OFF, forks fwd) Standard – Std High performance – HP | h ₁₃ | in (mm) in (mm) in (mm) in (mm) mph (km/h) mph (km/h) ft/min (m/s) ft/min (m/s) ft/min (m/s) (dB) psi (bar) hp (kW) hp (kW) | 38.9 (6 18.3 (4 9.3 (2 1.5 (4 8.0 / 8.0 (1) 8.0 / 8.0 (1) 8.0 / 8.0 (1) 84/63 (0.43/ 118/77 (0.6/ 98 / 102 (0 63 2600 (Spring apply (ele Foot - peda 6 (4. 17.7 (13.2) | 88) 64) 87) 0) .9/12.9) .9/12.9) .9/12.9) .32) – Std .39) – HP .5/0.52) 179) ctric release) [(regen) 5) – 15min | | | |
| | 40 41 42 43 44 44a 45 46 47 48 49 | Battery compartment length (for Step height Ground to top of forks Max travel speed empty / laden Max travel speed empty / laden Lifting speed empty / laden Lowering speed empty / laden Sound level (drive by) Hydraulic system operating press Park brake type Service brake type Drive motor, rating (60 min ratin Lifting motor, rating (50 min ratin Battery voltage | cross truck] pre/aft) (extended shift: OFF, forks trailing) (extended Shift: OFF, forks fwd) Standard – Std High performance – HP | h ₁₃ | in (mm) in (mm) in (mm) in (mm) mph (km/h) mph (km/h) ft/min (m/s) ft/min (m/s) (dB) psi (bar) | 38.9 (6 18.3 (4 9.3 (2 1.5 (4 8.0 / 8.0 (1) 8.0 / 8.0 (1) 8.0 / 8.0 (1) 84/63 (0.43/ 118/77 (0.6/ 98 / 102 (0 63 2600 (Spring apply (ele Foot – peda 6 (4. 17.7 (13.2) | 88) 64) 87) 0) 2.9/12.9) 2.9/12.9) 3.2) - Std 0.39) - HP 5/0.52) 179) ctric release) [(regen) 5) - 15min | | | |
| | 40 41 42 43 44 44a 45 46 47 48 49 50 51 52 53 | Battery compartment length (for Step height Ground to top of forks Max travel speed empty / laden Max travel speed empty / laden Lifting speed empty / laden Lowering speed empty / laden Sound level (drive by) Hydraulic system operating pres Park brake type Service brake type Drive motor, rating (60 min ratin Lifting motor, rating (5 min ratin Battery voltage Battery - type | cross truck] pre/aft) (extended shift: OFF, forks trailing) (extended Shift: OFF, forks fwd) Standard – Std High performance – HP | h ₁₃ | in (mm) in (mm) in (mm) in (mm) mph (km/h) mph (km/h) ft/min (m/s) ft/min (m/s) ft/min (m/s) (dB) psi (bar) hp (kW) hp (kW) V | 38.9 (6 18.3 (4 9.3 (2 1.5 (4 8.0 / 8.0 (1) 8.0 / 8.0 (1) 8.0 / 8.0 (1) 84/63 (0.43) 118/77 (0.6) 98 / 102 (0 63 2600 (Spring apply (ele Foot - peda 6 (4, 17.7 (13.2) 36\ | 88) 64] 37] 0) 2.9/12.9) 2.9/12.9) 0.32) - Std 0.39) - HP 5/0.52) 179) ctric release) [[(regen) 5] - 15min | | | |
| MOTOR & PERFORMANCE | 40 41 42 43 44 44a 45 46 47 48 49 50 51 52 53 | Battery compartment length (for Step height Ground to top of forks Max travel speed empty / laden Max travel speed empty / laden Lifting speed empty / laden Lowering speed empty / laden Lowering speed empty / laden Sound level (drive by) Hydraulic system operating preservice brake type Drive motor, rating (60 min ratin Lifting motor, rating (5 min ratin Battery voltage Battery - type Battery weight (min / max) | cross truck] pre/aft) (extended shift: OFF, forks trailing) (extended Shift: OFF, forks fwd) Standard – Std High performance – HP | h ₁₃ | in (mm) in (mm) in (mm) in (mm) mph (km/h) mph (km/h) ft/min (m/s) ft/min (m/s) ft/min (m/s) (dB) psi (bar) hp (kW) hp (kW) V | 38.9 (6 18.3 (4 9.3 (2 1.5 (4 8.0 / 8.0 (1) 8.0 / 8.0 (1) 84/63 (0.43/ 118/77 (0.6/ 98 / 102 (0 63 2600 (Spring apply (ele Foot - peda 6 (4. 17.7 (13.2) 36() Lead acid Thin plate pur | 88) 64] 37] 0] .9/12.9) .9/12.9) .9/12.9) 0.32) - Std 0.39) - HP 5/0.52) (regen) 5) -15min 'e lead◊ Lithium-ion◊ 043-1225) | | | |
| | 40 41 42 43 44 44a 45 46 47 48 49 50 51 52 53 54 55 | Battery compartment length (for Step height Ground to top of forks Max travel speed empty / laden Lifting speed empty / laden Lifting speed empty / laden Lowering speed empty / laden Lowering speed empty / laden Lowering speed empty / laden Sound level (drive by) Hydraulic system operating presepark brake type Service brake type Drive motor, rating (60 min ratin Lifting motor, rating (5 min ratin Battery voltage Battery - type Battery weight (min / max) Battery dimensions (W × H × L) | cross truck] pre/aft) (extended shift: OFF, forks trailing) (extended Shift: OFF, forks fwd) Standard – Std High performance – HP | h ₁₃ | in (mm) in (mm) in (mm) in (mm) mph (km/h) mph (km/h) ft/min (m/s) ft/min (m/s) ft/min (m/s) (dB) psi (bar) hp (kW) hp (kW) V | 38.9 (8 18.3 (4 9.3 (2 1.5 (4 8.0 / 8.0 (1) 8.0 / 8.0 (1) 8.0 / 8.0 (1) 84/63 (0.43/ 118/77 (0.6/ 98 / 102 (0 63 2600 (Spring apply (ele Foot - peda 6 (4. 17.7 (13.2) 36\(\) Lead acid Thin plate pur | 88) 64) 37) 0) .9/12.9) .9/12.9) .0.32) - Std .0.39) - HP .5/0.52) (regen) 5) - 15min 'e lead◊ Lithium-ion◊ 043-1225) 9"L × 31"H | | | |
| MOTOR & Battery | 40 41 42 43 44 44a 45 46 47 48 49 50 51 52 53 54 55 | Battery compartment length (for Step height Ground to top of forks Max travel speed empty / laden Max travel speed empty / laden Lifting speed empty / laden Lowering speed empty / laden Lowering speed empty / laden Sound level (drive by) Hydraulic system operating preservice brake type Drive motor, rating (60 min ratin Lifting motor, rating (5 min ratin Battery voltage Battery - type Battery weight (min / max) | cross truck] pre/aft) (extended shift: OFF, forks trailing) (extended Shift: OFF, forks fwd) Standard – Std High performance – HP | h ₁₃ | in (mm) in (mm) in (mm) in (mm) mph (km/h) mph (km/h) ft/min (m/s) ft/min (m/s) ft/min (m/s) (dB) psi (bar) hp (kW) hp (kW) V | 38.9 (8 18.3 (4 9.3 (2 1.5 (4 8.0 / 8.0 (1) 8.0 / 8.0 (1) 8.0 / 8.0 (1) 84/63 (0.43/ 118/77 (0.6/ 98 / 102 (0 63 2600 (Spring apply (ele Foot - peda 6 (4. 17.7 (13.2) 36) Lead acid Thin plate pur 2300-2700 (1 38.56"W + 17. 12.0 - 26.0 L/min (5) 152 bar (2200 psi) - 2 | 88) 64) 37] 0) .9/12.9) .9/12.9) .9/12.9) 0.32) - Std 0.39) - HP 5/0.52) 179) ctric release) I (regen) 5) - 15min - le lead◊ Lithium-ion◊ 043-1225) 9"L × 31"H .2-6.9 gal/min), 106 bar (3000 psi) | | | |
| MOTOR & Battery | 40 41 42 43 44 44a 45 46 47 48 49 50 51 52 53 54 55 56 | Battery compartment length (for Step height Ground to top of forks Max travel speed empty / laden Max travel speed empty / laden Lifting speed empty / laden Lifting speed empty / laden Lifting speed empty / laden Lowering speed empty / laden Lowering speed empty / laden Sound level (drive by) Hydraulic system operating preservice brake type Service brake type Drive motor, rating (60 min ratin Lifting motor, rating (50 min ratin Sattery voltage Battery - type Battery weight (min / max) Battery dimensions (W × H × L) 3rd function flow/pressure 4th function flow/pressure | cross truck] pre/aft) (extended shift: OFF, forks trailing) (extended Shift: OFF, forks fwd) Standard – Std High performance – HP | h ₁₃ | in (mm) in (mm) in (mm) in (mm) mph (km/h) mph (km/h) ft/min (m/s) ft/min (m/s) ft/min (m/s) (dB) psi (bar) hp (kW) hp (kW) V lb (kg) in gpm / psi | 38.9 (8 18.3 (4 9.3 (2 1.5 (4 8.0 / 8.0 (1) 8.0 / 8.0 (1) 84/63 (0.43/ 118/77 (0.6/ 98 / 102 (0 63 2600 (Spring apply (ele Foot - peda 6 (4. 17.7 (13.2) 366 Lead acid Thin plate pur 2300-2700 (1 38.56 "W × 17. 12.0 - 26.0 L/min (5 152 bar (2200 psi) - 2 12.0 - 36.5 L/min (5 152 bar (2200 psi) - 2 | 88) 64] 87] 69] 99/12.9) 9.9/12.9) 9.9/12.9) 0.32) – Std 0.39) – HP 5/0.52) 179) ctric release) [(regen] 5) -15min 'e lead◊ Lithium-ion◊ 043-1225) 9"L × 31"H 2.2-6.9 gal/min], 106 bar (3000 psi) 1.2-9.6 gal/min], 106 bar (3000 psi) | | | |
| | 40 41 42 43 44 44a 45 46 47 48 49 50 51 52 53 54 55 56 | Battery compartment length (for Step height Ground to top of forks Max travel speed empty / laden Max travel speed empty / laden Lifting speed empty / laden Lifting speed empty / laden Lowering speed empty / laden Lowering speed empty / laden Sound level (drive by) Hydraulic system operating pres Park brake type Service brake type Drive motor, rating (60 min ratin Lifting motor, rating (5 min ratin Battery voltage Battery veight (min / max) Battery dimensions (W × H × L) 3rd function flow/pressure 4th function flow/pressure Front leg width | cross truck] pre/aft) (extended shift: OFF, forks trailing) (extended Shift: OFF, forks fwd) Standard – Std High performance – HP | h ₁₃ | in (mm) in (mm) in (mm) in (mm) mph (km/h) mph (km/h) ft/min (m/s) ft/min (m/s) (dB) psi (bar) hp (kW) hp (kW) V lb (kg) in gpm / psi in (mm) | 38.9 (6 18.3 (4 9.3 (2 1.5 (4 8.0 / 8.0 (1) 8.0 / 8.0 (1) 8.0 / 8.0 (1) 84/63 (0.43/ 118/77 (0.6/ 98 / 102 (0 63 2600 (Spring apply (ele Foot - peda 6 (4. 17.7 (13.2) 36\(\) Lead acid Thin plate pur 2300-2700 (1 38.56"W × 17. 12.0 - 26.0 L/min (3 152 bar (2200 psi) - 2 12.0 - 36.5 L/min (3 152 bar (2200 psi) - 2 152 bar (2200 psi) - 2 | 88) 64) 67) 69/12.9) 9.9/12.9) 9.9/12.9) 9.32) - Std 9.32) - Std 9.33) - HP 9.5/0.52] 179) ctric release) 1(regen) 5) - 15min ' e lead◊ Lithium-ion◊ 043-1225) 9"L × 31"H 1.2-6.9 gal/min], 106 bar (3000 psi) 1.2-9.6 gal/min], 106 bar (3000 psi) 195) | | | |
| MOTOR & Battery | 40 41 42 43 44 44a 45 46 47 48 49 50 51 52 53 54 55 56 57 | Battery compartment length (for Step height Ground to top of forks Max travel speed empty / laden Max travel speed empty / laden Lifting speed empty / laden Lifting speed empty / laden Lowering speed empty / laden Lowering speed empty / laden Sound level (drive by) Hydraulic system operating pres Park brake type Service brake type Drive motor, rating (60 min ratin Lifting motor, rating (50 min ratin Battery voltage Battery veltage Battery weight (min / max) Battery dimensions (W × H × L) 3rd function flow/pressure 4th function flow/pressure Front leg width Canopy width | cross truck] pre/aft) (extended shift: OFF, forks trailing) (extended Shift: OFF, forks fwd) Standard – Std High performance – HP | h ₁₃ | in (mm) in (mm) in (mm) in (mm) mph (km/h) mph (km/h) ft/min (m/s) ft/min (m/s) (dB) psi (bar) hp (kW) hp (kW) V lb (kg) in gpm / psi in (mm) in (mm) | 38.9 (6 18.3 (4 9.3 (2 1.5 (4 8.0 / 8.0 (1) 8.0 / 8.0 (1) 8.0 / 8.0 (1) 84/63 (0.43/ 118/77 (0.6/ 98 / 102 (0 63 2600 (Spring apply (ele Foot – peda 6 (4, 17.7 (13.2) 38.56"W × 17. 12.0 – 26.0 L/min (3 152 bar (2200 psi) – 2 12.0 – 36.5 L/min (3 152 bar (2200 psi) – 2 27 (6) 41.6 (1) | 88) 64) 37) 0) .9/12.9) .9/12.9) .0.32) - Std .0.39) - HP .5/0.52) 179) ctric release) [(regen) 5) - 15min ' e lead◊ Lithium-ion◊ 043-1225) 9"L × 31"H .2-6.9 gal/min), (06 bar (3000 psi) .2-9.6 gal/min), (06 bar (3000 psi) .25) | | | |
| MOTOR & Battery | 40 41 42 43 44 44a 45 46 47 48 49 50 51 52 53 54 55 56 57 | Battery compartment length (for Step height Ground to top of forks Max travel speed empty / laden Max travel speed empty / laden Lifting speed empty / laden Lifting speed empty / laden Lowering speed empty / laden Lowering speed empty / laden Sound level (drive by) Hydraulic system operating pres Park brake type Service brake type Drive motor, rating (60 min ratin Lifting motor, rating (5 min ratin Battery voltage Battery veight (min / max) Battery dimensions (W × H × L) 3rd function flow/pressure 4th function flow/pressure Front leg width | cross truck] pre/aft) (extended shift: OFF, forks trailing) (extended Shift: OFF, forks fwd) Standard – Std High performance – HP | h ₁₃ | in (mm) in (mm) in (mm) in (mm) mph (km/h) mph (km/h) ft/min (m/s) ft/min (m/s) (dB) psi (bar) hp (kW) hp (kW) V lb (kg) in gpm / psi in (mm) | 38.9 (6 18.3 (4 9.3 (2 1.5 (4 8.0 / 8.0 (1) 8.0 / 8.0 (1) 8.0 / 8.0 (1) 84/63 (0.43/ 118/77 (0.6/ 98 / 102 (0 63 2600 (Spring apply (ele Foot - peda 6 (4. 17.7 (13.2) 36\(\) Lead acid Thin plate pur 2300-2700 (1 38.56"W × 17. 12.0 - 26.0 L/min (3 152 bar (2200 psi) - 2 12.0 - 36.5 L/min (3 152 bar (2200 psi) - 2 152 bar (2200 psi) - 2 | 88) 64) 37) 0) .9/12.9) .9/12.9) .0.32) - Std .0.39) - HP .5/0.52) 179) ctric release) [(regen) 5) - 15min ' e lead◊ Lithium-ion◊ 043-1225) 9"L × 31"H .2-6.9 gal/min), (06 bar (3000 psi) .2-9.6 gal/min), (06 bar (3000 psi) .25) | | | |

^{*} Right angle stack and equal intersecting aisle dimensions provided with a 48" long and 40" wide pallet load, 2-stage LFL mast with Integral Sideshift Carriage, allowing zero clearance.

RL = rated load, NL = no load

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

[|] Toda, 2-Stage LT-L Hilds With Integral sousshint Garriage, allowing zero o lear ance.

** Rear leg dimension does not include optional equipment such as work lights, visible alarms or Telemetry, which may reduce clearance.

♦ Optional with Hyster Power Cellect

A External mounted operator sensing system egress option will increase length of truck by 1.9" [48mm]

RAS = Turn radius + load distance + load length + clearance

E35AD-E40AD SPECIFICATIONS

| | | Manufacturar | | | | | Unitor | |
|--------------------|------------|---------------------------------------|--|-----------------|--------------|--|--|--|
| - | | Manufacturer Model designation | | | | E40AD | Hyster E35AD | E40AD |
| | _ | Power: battery, diesel, LPG, elect | ric mains | | | L4UAU | Battery | L4UAD |
| - | | Operation: manual, pedestrian, st | | | | | Stand | |
| AL. | == | Load capacity/Rated Load (max | | | lb | 4000 | 3500 | 4000 |
| 띨 | | Load center | buccory | | in (mm) | 4000 | 24 (609) | 4000 |
| GENERAL | _ | Unladen weight (no battery) | | | lb (kg) | 7040 (3193) | 6780 (3075) | 7040 (3193) |
| | | - | may hattamid | | 1 | 11794 / 1940 | 11156 / 2168 | 11866 / 2218 |
| | 8 | Axle loading, laden drive/steer (r | nax battery) | | lb (kg) | (5350 / 880) | (5060 / 983) | (5382 / 1006) |
| | 9 | Axle loading, unladen drive/steel | r (max hattery) | | lb (kg) | 4147 / 5588 | 4635 / 5189 | 4414 / 5671 |
| | | - | • | | 1 (1.9) | (1881 / 2535) | [2102 / 2354] | (2002 / 2572) |
| S | | · | SC=super cushion, PSS=pneumatic shape solid | | lin | | C 18×7×12-1/8 | |
| TIRES | _ | Tire size: drive Tire size: steer | | | in in | | 10×5×6-1/2 | |
| | | Number of wheels, front/rear (x | = driven) | | ļ | | 2x/2 | |
| | | Overall collapsed height of mast, | - | h ₁ | I | | See Mast Table | |
| | | Free lift (carriage travel) | | h ₂ | | | See Mast Table | |
| | 16 | Max lift height (MFH) | | h ₃ | | | See Mast Table | |
| | 17 | Height of mast (extended - highe | est point) | h ₄ | | | See Mast Table | |
| | | Overhead guard height – standar | | h ₅ | in (mm) | | 88" (2237) / 83" (2108) | |
| | | OHG inside clearance (floor to un | derside of OHG) standard OHG - | h ₆ | in (mm) | | Std 88" - 78.5" (1995) | |
| - | | Std / optional OHG - Opt | | | ` ' | 110 0" (00E1) /a ICC | Opt 83" – 73.4" (1865) | 110 0" (0051) /- 100 |
| | 20 | Overall length (1067mm forks) w | ithout our with integral sideshift ∆ | l ₁ | in (mm) | 112.2" (2851) w/o ISS 113.5" (2883) w/ISS | 112.2" (2851) w/o ISS 113.5" (2883) w/ISS | 112.2" (2851) w/o ISS 113.5" (2883) w/ISS |
| | ~ | Longth to food of feeting the called | ath) without our with interval aideahift a | | in (mm) | 70.2" (1784) w/o ISS | 70.2" (1784) w/o ISS | 70.2" (1784) w/o ISS |
| | 21 | Length to race of forks (nead len | gth) without our with integral sideshift Δ | I ₂ | in (mm) | 71.5" (1816) w/ISS | 71.5" (1816) w/ISS | 71.5" (1816) w/ISS |
| | 22 | Load distance - LD | Drive axle to face of forks, w/o ISS | LD | in (mm) | | ?-Stg: 13.3" (337.6), 14.6" (370) w/IS | |
| | 22a | | (Add 1.28" (32.4mm) for 2/3-stage masts w/ISS) | LD | in (mm) | 3 | 3-Stg: 13.3" (337.6), 14.6" (370) w/IS | S |
| | 22b | | (Add 1.09" (27.8mm) for 4-stage mast w/ISS) | LD | in (mm) | | 4-Stg: 17.5" (445), 18.6" (473) w/ISS | |
| | 23 | Overall chassis width | | h ₇ | in (mm) | | 42.7" (1085) | |
| | | Fork dimensions | | | in (mm) | | $1.5 \times 4 \times 42 (38 \times 102 \times 1067)$ | |
| DIMENSIONS | 25 | Fork adjustment range (outside r | measurement) | h ₈ | in (mm) | | 8"- 33" (203 – 838) | |
| S | | Tilt range fwd/bkwd standard (o | ptional) | | Deg | | 5F / 5B (10F / 5B) | |
| MEL | 27 | Wheelbase | | h ₉ | in (mm) | | 46.4 (1179) | |
| 昌 | 28 | Ground clearance, laden, below n | nast | m ₁ | in (mm) | | 3.5 (90) | |
| | 29 | Ground clearance at center of wh | neelbase | m ₂ | in (mm) | | 4 (102) | |
| | 30 | Grade clearance | | | % | 41% (36% worn tire) | 35.8% (34.6% worn tire) | 35.8% (34.6% worn tire) |
| | _ | Gradeability (operating grade) | | | % | | 15% | |
| | | | ong (parallel to forks), zero clearance | Ast | in (mm) | | 120 (3048) | |
| - | | _ | load length) w/integral sideshift Δ | | | | | |
| - | _ | Equal aisle, 90° intersecting aisle | e^Δ | lwa | in (mm) | | 70.4 (1788) | |
| - | _ | Turning radius Δ | I (comp) | Wa | in (mm) | | 57.4 (1458) | |
| - | _ | Ground to top of frame side pane | | h ₁₀ | in (mm) | | 55 (1396) | |
| - | _ | Ground to battery compartment | • | h ₁₁ | in (mm) | | 7.5 (190) | |
| - | | Battery compartment height (fro | | h ₁₂ | in (mm) | | 31.1 (790) | |
| - | 38 | Battery compartment width (acr | OSS LTUCK) | h ₁₃ | in (mm) | 20.8 (527) | 38.9 (988) | |
| | 39 | Battery compartment Length (fo | re/aft) | h ₁₄ | in (mm) | [w/3" spacer for 18" battery] | 20.8 (52 | 27) |
| | <i>4</i> 0 | Step height | | h ₁₅ | in (mm) | (w/ o opucor for to buttory) | 9.3 (237) | |
| | | Ground to top of forks | | h ₁₆ | in (mm) | | 1.5 (40) | |
| | | Max travel speed empty / laden (| (extended shift: OFF, forks trailing) | | mph (km/h) | | 8.0 / 8.0 (12.9/12.9) | |
| | 43 | Max travel speed empty / laden (| (extended shift: OFF, forks fwd) | | mph (km/h) | | 8.0 / 8.0 (12.9/12.9) | |
| PERFORMANCE | 44 | Lifting speed empty / laden | Standard - Std | | ft/min (m/s) | | 84/63 (0.43/0.32) - Std | |
| MAI | 44a | | High performance - HP | | ft/min (m/s) | | 118/77 (0.6/0.39) – HP | |
| 8 | | Lowering speed empty / laden | | | ft/min (m/s) | | 98 / 102 (0.5/0.52) | |
| F | | Sound level | | | (dB) | | 63 | |
| | _ | Hydraulic system operating press | sure | | psi (bar) | | 2600 (179) | |
| - | | Park brake type Service brake type | | | | | Spring apply (electric release) Foot - pedal (regen) | |
| | | Drive motor, rating (60 min rating | 1) | | hp (kW) | | 6 (4.5) | |
| | | Lifting motor, rating (5 min rating | | | hp (kW) | | 17.7 (13.2) – 15min | |
| MOTOR & Battery | | Battery voltage | | | V | | 36V | |
| BE | | Battery - type | | | | Lead | acid Thin plate pure lead◊ Lithiun | n-ion◊ |
| Z W | | Battery weight (min / max) | | | lb (kg) | 2300-2700 (1043-1225) | 2500-3050 (1152-1383) | 2695-3050 (1222-1383) |
| | 55 | Battery dimensions (W × H × L) | | | in | 38.56"W x 17.9"L x 31"H | 38.56"W x 20.4 | |
| | 56 | 3rd function flow/pressure | | | gpm / psi | 12.0-26.0 L/min (3 | .2-6.9 gal/min), 152 bar (2200 psi) - | 206 bar (3000 psi) |
| 45 | | 4th function flow/pressure | | | gpm / psi | 12.0-36.5 L/min (3 | .2–9.6 gal/min), 152 bar (2200 psi) – | 206 bar (3000 psi) |
| ОТНЕВ | | Front leg width | | | in (mm) | | 27 (685) | |
| | | Canopy width | | | in (mm) | | 41.6 (1056) | |
| | | Rear leg offset** | | | in (mm) | | 1.25 (32) | |

^{*} Right angle stack and equal intersecting aisle dimensions provided with a 48" long and 40" wide pallet load, 2-stage LFL mast with Integral Sideshift Carriage, allowing zero clearance.

 $Specifications, unless otherwise \ listed, are for a standard \ truck \ without \ optional \ equipment.$

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.

^{1030, 2-}Stage LFL mast within tegral sucesing connections and with properties of some and a second control of the second control of

Optional with Hyster Power Cellect

RL = rated load, NL = no load

 $[\]Delta$ External mounted operator sensing system egress option will increase length of truck by 1.9" (48mm) RAS = Turn radius + load distance + load length + clearance

BATTERY SPECIFICATIONS

| E30-40AD BATTERY & COMPARTMENT SPECIFICATIONS | | | | | | | | | | | | |
|---|------------------------|-------------|--------------------------|------------|------------|----------|-------|--------------|---------------------|--------------|-------------|-------------|
| | COMPARTMENT DIMENSIONS | | BATTERY DIMENSIONS - MAX | | | | STI | PER | MAX CAPACITY WEIGHT | | GHT | |
| TRUCK MODEL | WIDTH | LENGTH | HEIGHT | Х | Υ | Z | VOLTS | NO. OF CELLS | PLATES PER CELL | 6 HR RATE | MIN | MAX |
| | | IN (MM) | | | IN (MM) | | | NO. | P. | AMP HR (KWH) | LB | (KG) |
| E30AD Standard 14.25" compartment | 38.9 (988) | 14.25 (362) | 31.1 (790) | 38.5 (978) | 13.9 (352) | 31 (787) | 36 | 18 | 11 | 775 (27.1) | 1700 (771) | 2100 (953) |
| E30AD Standard 16.26" compartment | 38.9 (988) | 16.26 (413) | 31.1 (790) | 38.5 (978) | 15.9 (403) | 31 (787) | 36 | 18 | 13 | 930 (32.5) | 1980 (898) | 2300 (1043) |
| E30AD Standard 18.3" compartment | 38.9 (988) | 18.3 (465) | 31.1 (790) | 38.5 (978) | 17.9 (455) | 31 (787) | 36 | 18 | 15 | 1085 (37.9) | 2300 (1043) | 2700 (1225) |
| E35AD Standard 18.3" compartment | 38.9 (988) | 18.3 (465) | 31.1 (790) | 38.5 (978) | 17.9 (455) | 31 (787) | 36 | 18 | 15 | 1085 (37.9) | 2300 (1043) | 2700 (1225) |
| E35AD Optional 20.8" compartment | 38.9 (988) | 20.8 (528) | 31.1 (790) | 38.5 (978) | 20.4 (518) | 31 (787) | 36 | 18 | 17 | 1240 (43.3) | 2500 (1152) | 3050 (1383) |
| E40AD Standard 20.8" compartment | 38.9 (988) | 20.8 (528) | 31.1 (790) | 38.5 (978) | 20.4 (518) | 31 (787) | 36 | 18 | 17 | 1240 (43.3) | 2695 (1222) | 3050 (1383) |
| E40AD *Optional 18.3" Compartment | 38.9 (988) | 18.3 (465) | 31.1 (790) | 38.5 (978) | 17.9 (455) | 31 (787) | 36 | 18 | 15 | 1085 (37.9) | 2300 (1043) | 2700 (1225) |

Battery compartment length is measured from front to rear. Battery compartment width is measured across the truck.

Battery connector: 350 amp/36 volt. Battery lead: Length 20" (508 mm) "B" position. * 20.8" battery compartment with a 3.0" spacer to accommodate an 18" battery.

E30-40AD MAST DIMENSIONS

| MAX FORK HEIGHT (T.O.F.) | OVERALL LOWERED HEIGHT | EXTENDED HEIGHT W/LBR | EXTENDED HEIGHT W/O LBR | FREE LIFT HEIGHT W/LBR | FREE LIFT HEIGHT W/O LBR |
|--------------------------|------------------------|----------------------------|-------------------------|------------------------|--------------------------|
| IN (MM) | IN (MM) | IN (MM) | IN (MM) | IN (MM) | IN (MM) |
| | | 2-STAGE LIMITED FRI | EE LIFT (LFL) MAST | | |
| 132 (3360) | 86 (2186) | 181 (4597) | 152 (3855) | 0 (0) | 0 (0) |
| 140 (3560) | 90 (2286) | 189 (4797) | 160 (4055) | 0 (0) | 0 (0) |
| | | 2-STAGE FULL FREE LIFT (LF | L) MAST TRUCKERS MAST | | |
| 79 (2026) | 61 (1536) | 129 (3263) | 100 (2521) | 0 (0) | 0 (0) |
| | | 2-STAGE FULL F | REE LIFT (FFL) | | |
| 133 (3390) | 86 (2186) | 183 (4627) | 153 (3885) | 39 (998) | 68 (1730) |
| 141 (3590) | 90 (2286) | 191 (4827) | 161 (4085) | 43 (1098) | 72 (1830) |
| | | 3-STAGE (F | FL) MAST | | |
| 187 (4750) | 82 (2086) | 236 (5987) | 207 (5245) | 35 (898) | 64 (1630) |
| 192 (4900) | 84 (2136) | 242 (6137) | 213 (5395) | 37 (948) | 66 (1680) |
| 198 (5050) | 88 (2236) | 248 (6287) | 219 (5545) | 41 (1048) | 70 (1780) |
| 222 (5650) | 98 (2486) | 272 (6887) | 242 (6145) | 51 (1298) | 79 (2030) |
| 228 (5800) | 100 (2536) | 278 (7037) | 248 (6295) | 53 (1348) | 81 (2080) |
| 246 (6250) | 108 (2736) | 295 (7487) | 266 (6745) | 60 (1548) | 89 (2280) |
| | | 4-Stage (F | FL) Mast | | |
| 240 (6098)* | 84 (2136)* | 289 (7335)* | 260 (6593)* | 39 (998)* | 68 (1730)* |
| 264 (6709)* | 92 (2336)* | 313 (7946)* | 284 (7204)* | 47 (1198)* | 75 (1930)* |
| 276 (7010)† | 96 (2436)† | 325 (8247)† | 296 (7505)† | 51 (1298)† | 79 (2030)† |
| 288 (7314)† | 100 (2536)† | 337 (8551)† | 308 (7809)† | 55 (1398)† | 83 (2130)† |

 $^{^{\}star}$ Available on 3000 / 3500 / 4000 lb trucks with 18.3" or 20.8" battery compartment only

[†] Available on 3500 / 4000 lb trucks with 20.8" battery compartment only

FEATURES AND OPTIONS

| PERFORMANCE | STD | OPT |
|--|-----|-----|
| | | 011 |
| AC transistor controlled hydraulics | X | |
| 36-Volt (includes 350 amp gray battery connector) | X | |
| 4 independent fully programmable performance modes - programmable traction speed and acceleration, lift and lower speeds | х | |
| Dynamic Stability System (DSS) 3 | х | |
| AC transistor controlled hydraulics - high performance lift | | х |
| Return to set tilt | | х |
| DRIVE | STD | OPT |
| Park brake (spring applied, electrically released) | х | |
| Drive tires - 18" x 7" x 12.1" - smooth rubber black (67 durometer) (E30-35AD) | х | |
| Drive tires - 18" x 7" x 12.1" - polyurethane (92 durometer) (E40AD) | х | |
| Steer tires - 10" x 5" x 6.5" - polyurethane - smooth (92 durometer) | х | |
| Various drive & steer tire types | | х |
| LIFT | STD | OPT |
| 2-stage - limited free lift mast | х | |
| 38.5" (977mm) wide - class II - hook type carriage | х | |
| 48" high load backrest extension | х | |
| Tilt (5° fwd, 5° back) | х | |
| 2-stage - full free lift mast | | x |
| 3-stage - full free lift mast | | x |
| 4-stage - full free lift mast | | x |
| Integral sideshift | | x |
| Integral sideshifting fork positioner | | x |
| 36" high load backrest extension | | x |
| Tilt (10° fwd, 5° back) | | x |
| Reduced speed tilt | | x |
| Tilt interlock | | х |
| Hydraulic attachment extension tubes with and without quick disconnect fittings | | х |
| Mast lift limit without override | | x |
| Mast lift limit with override | | х |
| Load weight display | | x |
| Fork height display | | x |
| Hydraulic accumulator (SPED) | | x |
| Various load backrest heights (SPED) | | x |
| HANDLING | STD | OPT |
| Forks: 1.5" x 4.0" (38 mm x 102 mm) 42"(1067 mm) class II, hook type - standard taper | х | |
| Multifunction control handle with simultaneous hydraulic functions [fully proportional] | x | |
| Various fork lengths and types (polished and full bottom taper) | | х |

| Sidestance operator compartment with fixed armrest and multifunction control handle Steer system - hydraulic with fixed steer tiller position Hyster® Operator Sensing System Low profile anti-fatigue floormat Operator floor - fixed cushion Low step height Padded operator compartment Knee and hip pads Operator floor - fixed ultra cushion Hyster intelligent ride floor system (full suspension floor) Sidestance operator compartment with adjustable armrest and multifunction control handle Operator overhead fan Dual LED head lights (mast mounted or overheadguard mounted) X Rear LED worklight Operator desktop LED light |
|--|
| Hyster® Operator Sensing System Low profile anti-fatigue floormat Operator floor - fixed cushion Low step height Padded operator compartment Knee and hip pads Operator floor - fixed ultra cushion Hyster intelligent ride floor system (full suspension floor) Sidestance operator compartment with adjustable armrest and multifunction control handle Operator overhead fan Dual LED head lights (mast mounted or overheadguard mounted) LED work lights (upward facing - height activated), mast-mounted Rear LED worklight Operator desktop LED light |
| Low profile anti-fatigue floormat Operator floor - fixed cushion Low step height Padded operator compartment Knee and hip pads Operator floor - fixed ultra cushion Hyster intelligent ride floor system (full suspension floor) Sidestance operator compartment with adjustable armrest and multifunction control handle Operator overhead fan Dual LED head lights (mast mounted or overheadguard mounted) LED work lights (upward facing - height activated), mast-mounted Rear LED worklight Operator desktop LED light |
| Operator floor - fixed cushion x Low step height x Padded operator compartment x Knee and hip pads x Operator floor - fixed ultra cushion x Hyster intelligent ride floor system (full suspension floor) x Sidestance operator compartment with adjustable armrest and multifunction control handle x Operator overhead fan x Dual LED head lights (mast mounted or overheadguard mounted) x LED work lights (upward facing - height activated), mast-mounted x Rear LED worklight x Operator desktop LED light x |
| Low step height x Padded operator compartment x Knee and hip pads x Operator floor - fixed ultra cushion x Hyster intelligent ride floor system (full suspension floor) x Sidestance operator compartment with adjustable armrest and multifunction control handle Operator overhead fan x Dual LED head lights (mast mounted or overheadguard mounted) x LED work lights (upward facing - height activated), mast-mounted x Rear LED worklight x Operator desktop LED light x |
| Padded operator compartment x Knee and hip pads x Operator floor - fixed ultra cushion x Hyster intelligent ride floor system (full suspension floor) x Sidestance operator compartment with adjustable armrest and multifunction control handle Operator overhead fan x Dual LED head lights (mast mounted or overheadguard mounted) x LED work lights (upward facing - height activated), mast-mounted x Rear LED worklight x Operator desktop LED light x |
| Knee and hip pads Operator floor - fixed ultra cushion Hyster intelligent ride floor system (full suspension floor) Sidestance operator compartment with adjustable armrest and multifunction control handle Operator overhead fan Dual LED head lights (mast mounted or overheadguard mounted) LED work lights (upward facing - height activated), mast-mounted Rear LED worklight Operator desktop LED light |
| Operator floor - fixed ultra cushion Hyster intelligent ride floor system (full suspension floor) Sidestance operator compartment with adjustable armrest and multifunction control handle Operator overhead fan Dual LED head lights (mast mounted or overheadguard mounted) LED work lights (upward facing - height activated), mast-mounted Rear LED worklight Operator desktop LED light |
| Hyster intelligent ride floor system (full suspension floor) Sidestance operator compartment with adjustable armrest and multifunction control handle Operator overhead fan Dual LED head lights (mast mounted or overheadguard mounted) LED work lights (upward facing - height activated), mast-mounted X Rear LED worklight Operator desktop LED light |
| Sidestance operator compartment with adjustable armrest and multifunction control handle Operator overhead fan x Dual LED head lights (mast mounted or overheadguard mounted) x LED work lights (upward facing - height activated), mast-mounted x Rear LED worklight x Operator desktop LED light x |
| multifunction control handle Operator overhead fan Dual LED head lights (mast mounted or overheadguard mounted) LED work lights (upward facing - height activated), mast-mounted Rear LED worklight Operator desktop LED light |
| Dual LED head lights (mast mounted or overheadguard mounted) x LED work lights (upward facing - height activated), mast-mounted x Rear LED worklight x Operator desktop LED light x |
| LED work lights (upward facing - height activated), mast-mounted x Rear LED worklight x Operator desktop LED light x |
| Rear LED worklight x Operator desktop LED light x |
| Operator desktop LED light x |
| |
| ODED ATION |
| OPERATION STD OPT |
| Standard construction x |
| UL classification 'E' x |
| Sidestance operator controls x |
| Key switch start x |
| Automotive steering x |
| Static strap x |
| Electronic horn x |
| Sealed battery rollers x |
| 88" drive in rack overhead guard x |
| Power disconnect button x |
| 2.8" touchscreen display |
| 83" drive in rack overhead guard x |
| Keyless start x |
| 7" touchscreen display x |
| Battery gate interlock x |
| Washdown package for food x |
| UL classification "EE" x |
| SubZero freezer construction (operating temperatures -40°F to 120°F) with rubber floormat |
| Heated multifunction control handle x |
| Rotarty joystick x |
| Audible back-up and motion alarms (various functions) x |
| Visible amber strobe light - continuous activated (various functions) x |
| Blue LED spotlight, front/rear and/or continuous/directionaly activated x |

FEATURES AND OPTIONS (CONTINUED)

| OPERATION | STD | ОРТ |
|---|-----|------|
| Red line zone lights - left/right side and/or rear - continuous operation | 91n | UP I |
| Awareness lights - signature lights | | X |
| Automatic light sensor | | |
| Fire extinguisher | | X |
| RF terminal bracket | | X |
| RF handheld scanner holder | | X |
| Work accessories mount | | X |
| Clip board | | X |
| Dual USB charger port | | |
| 12V aux power receptacle | | X |
| 12V power supply: key-activated | | X |
| 12V power supply: continuous power | | X |
| Truck voltage pwr supply: key-activated | | |
| | | X |
| Truck voltage pwr supply: continuous power | | X |
| Storage utility tray | | X |
| OSS externally-mounted egress sensor | | X |
| Less OHG ¹ | | X |
| Rear operator compartment door (SPED) ² | | X |
| Hyster Tracker™ ⁴ | Х | |
| Hyster Reaction™ | | Х |
| Pedestrian awareness camera (SPED) | | Х |
| ENERGY SYSTEM | STD | OPT |
| Lead acid | Х | |
| Hyster Power Cellect™ | | Х |
| SUPPLEMENTAL | STD | OPT |
| 12 month / unlimited hours full truck warranty | Х | |
| 36 month / 6,000 hour powertrain warranty | х | |
| Lifetime frame warranty | Х | |
| Operating manual | х | |
| Parts manuals | | Х |

- [1] Requires dealer/customer verification confirming that the application meets ANSI/ITSDF B56.1 Section 4.5.1.4. A truck without an overhead guard cannot be used where there is risk of stacked loads falling on the driver. Contact Applications Engineering for additional details. NOTE: Special Chassis mounted headlights, work light and strobe light options are available for trucks that are not fitted with an overhead guard.
- (2) Doors are intended to protect the operator from objects that may enter the operator's compartment but they may also slow the operator's egress in emergency situations. A review of the forklift's intended environment should be conducted before selecting a door as optional equipment.
- (3) DSS is a Standard Feature, but can be deselected for use with trucker's mast or at customer request for unique, application-specific needs.
- [4] Level 1 Telemetry is standard on the units with 84 months Communication Fee included, Level 2 and Level 3 are optional, inlcuding additional Communication Timing Limits.





Hyster Company P.O. Box 7006, Greenville, North Carolina 27835-7006

© 2025 Hyster-Yale Materials Handling, Inc., all rights reserved. Hyster and \mathbb{H} are trademarks of Hyster-Yale Materials Handling, Inc. Hyster products are subject to change without notice. Trucks may be shown with optional equipment and/or features not available in all regions.