

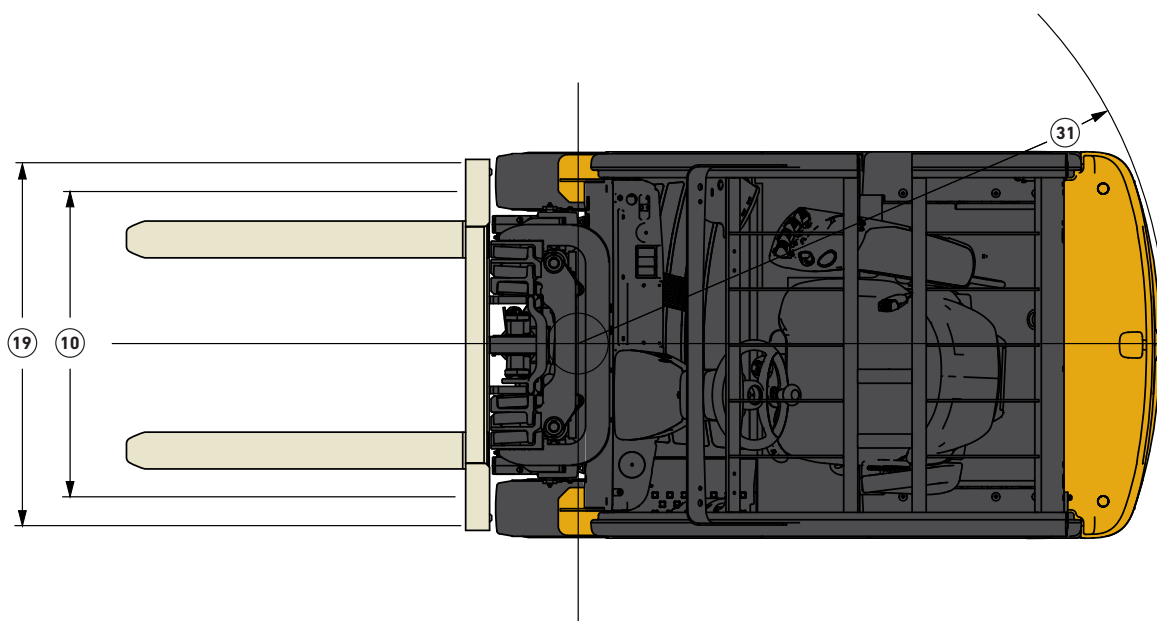
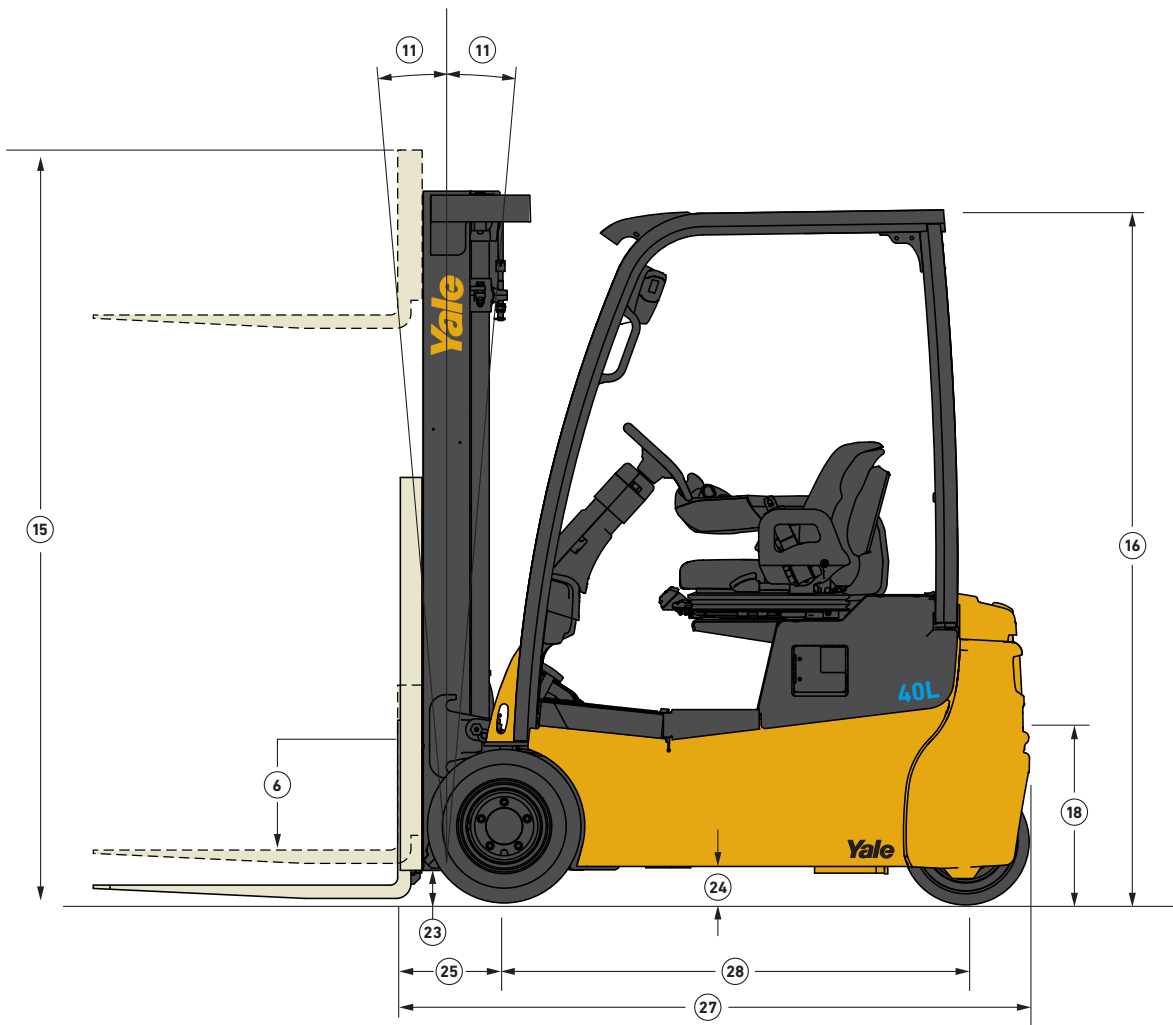


ERP 040VTL

SPEC SHEET

3-wheel pneumatic tire integrated
lithium-ion counterbalanced forklift

4,000 lbs.



Circled truck dimensions correspond to the line numbers in the General Specifications chart. Dimensions are listed in inches (millimeters).

GENERAL SPECIFICATIONS - ERP040VTL

| | | | | | | |
|------------------|------------------------|----------------------------|------------------------------------------------|-------------------------------------------------|-----------------------------------------|--------------------------------------|
| GENERAL | 1 | Manufacturer | | Yale | | |
| | 2 | Model designation | | ERP040VTL | | |
| | 3 | Power | | Electric | | |
| | 4 | Operation | | Sit | | |
| | 5 | Rated capacity | lb. (kg) | 4000 (1814) | | |
| | 6 | Load center | in. (mm) | 24 (610) | | |
| TIRES | 7 | Tire type | Drive/steer | Pneumatic shaped solid / pneumatic shaped solid | | |
| | 8 | Tire size | Drive/steer | in. | 200/50-10 / 15x4.5-8 | |
| | 9 | Wheels - number X= driven | Drive/steer | 2x / 2 | | |
| | 10 | Tread - center of tires | Drive/steer | in. (mm) | 35.7 / 7 (908 / 179) | |
| DIMENSIONS | 11 | Mast tilt | Std opt opt | degrees | 5F/5B 10F/5B 5F/4B | |
| | 12 | Mast - lowered height | Std mast | in. (mm) | 78 (1980) | |
| | 13 | Free lift - top of fork | Std 2-stg limited free lift mast | in. (mm) | 5 (140) | |
| | | | Opt 2-stg full free lift mast with/without LBR | in. (mm) | 29 / 55 (750 / 1405) | |
| | 14 | Lift height - top of fork | St 2-stg limited free lift mast | in. (mm) | 119 (3032) | |
| | 15 | Mast - extended height | Std mast with/without LBR | in. (mm) | 168 / 142 (4262 / 3606) | |
| | 16 | Overhead guard height | Std/flat plate/drive in rack | in. (mm) | 81.5 / 77.9 / 81.5 (2070 / 1979 / 2070) | |
| | 17 | SIP to bottom std OHG | Nominal | Std/susp/swivel | in. (mm) | 38.9 / 39.2 / 38.7 (989 / 997 / 985) |
| | 18 | Tow pin height | Vertical center of pin | | in. (mm) | 21.2 (540) |
| | 19 | Overall width | | | in. (mm) | 43.9 (1116) |
| | 20 | Forks | Thickness x width x length | | in. (mm) | 1.6 x 3.9 x 42 (40 x 100 x 1067) |
| | 21 | Standard carriage width | | | in. (mm) | 38.5 (977) |
| | 22 | Ground clearance | Lowest point | NL/RL | in. (mm) | 2.8 / 2.8 (70 / 70) |
| | | | Center of truck | NL/RL | in. (mm) | 3.7 / 3.5 (95 / 90) |
| | 24 | Load distance | Center of wheel to face of forks | | in. (mm) | 12.6 (321) |
| | 25 | Length to face of forks | Chassis length | | in. (mm) | 74.9 (1903) |
| | 26 | Wheelbase | | | in. (mm) | 54.6 (1386) |
| | 27 | Right angle stack | | | in. (mm) | 122.7 (3117) |
| | 28 | Equal aisle | 90 Intersecting aisle | | in. (mm) | 71.5 (1816) |
| 29 | Outside turning radius | | | in. (mm) | 62.1 (1577) | |
| WT. | 30 | Truck weight | | lb. (kg) | 7550 (3435) | |
| | 31 | Axle loading - drive | Static | NL/RL | lb. (kg) | 3675 (1665) / 10375 (4705) |
| | 32 | Axle loading - steer | Static | NL/RL | lb. (kg) | 3900 (1765) / 1200 (545) |
| PERFORMANCE | 33 | Travel speed | Extended shift OFF | NL/RL | mph (km/h) | 9.8 / 9.8 (15.7 / 15.7) |
| | | | Extended shift ON | NL/RL | mph (km/h) | 8.7 / 8.7 (14.0 / 14.0) |
| | 34 | Lift speed | Std 2-stg LFL mast | NL/RL | ft/min (m/sec) | 134 / 83 (0.68 / 0.42) |
| | | | Opt 2-stg FFL mast | NL/RL | ft/min (m/sec) | 120 / 81 (0.61 / 0.41) |
| | | | Opt 3-stg FFL mast | NL/RL | ft/min (m/sec) | 120 / 81 (0.61 / 0.41) |
| | | | Opt 4-stg FFL mast | NL/RL | ft/min (m/sec) | 126 / 89 (0.64 / 0.45) |
| | 35 | Lower speed | Std 2-stg LFL mast | NL/RL | ft/min (m/sec) | 93 / 100 (0.47 / 0.51) |
| | | | Opt 2-stg FFL mast | NL/RL | ft/min (m/sec) | 77 / 93 (0.41 / 0.47) |
| | | | Opt 3-stg FFL mast | NL/RL | ft/min (m/sec) | 81 / 93 (0.41 / 0.47) |
| | | | Opt 4-stg FFL mast | NL/RL | ft/min (m/sec) | 94 / 98 (0.48 / 0.50) |
| | 36 | Gradability | 5 Minutes rating | NL/RL | % | 34.0 / 21.0 |
| 60 Minute rating | | | NL/RL | % | 9.2 / 5.6 | |
| 37 | Drawbar pull | 5 Minutes rating | NL/RL | lbf. | 2480 / 2410 (11025 / 10715) | |
| | | 60 Minute rating | NL/RL | lbf. | 730 / 660 (3260 / 2950) | |
| 38 | Brake | Method of control | Service/parking | | Hydraulic / mechanical | |
| | | Method of operation | Service/operation | | Foot / automatic | |
| ELECTRIC | 39 | Battery | Type | | Lithium ion | |
| | 40 | Dual voltage battery | Size (discharge / charge) | | 48V @ 420Ah / 96V @ 210Ah | |
| | 41 | Traction motors (dual) | 60 Minute rating (each) | | hp (kW) | 6.7 (5.0) |
| | 42 | Pump motor | 15 Minute rating | | hp (kW) | 16.1 (12.0) |
| | 43 | Traction motors | Type/control method | | AC / Transistor | |
| | 44 | Pump motor | Type/control method | | AC / Transistor | |
| 45 | Number of speeds | Traction/pump | | Infinitely variable / infinitely variable | | |
| OTHER | 46 | Step height | | | in. (mm) | 19.1 (484) |
| | 47 | Floor height | Lowest point | | in. (mm) | 21.9 (557) |
| | 48 | Attachment relief pressure | | | psi (bar) | 2611 / 2248 (180 / 155) |
| | 49 | Auxiliary oil flow | 3rd and 4th function | | gal/min (l/min) | 5.3 / 10.6 (20 / 40) |
| | 50 | Sound level | Measured per ANSI B56.11.5 | | dB | 69 |

Above specifications, unless otherwise listed, are for a standard truck without optional equipment.
Right angle stack and equal intersecting aisle dimensions provided with a 48" long and 40" wide pallet load, allowing zero clearance.

MAST DIMENSIONS - ERP040VTL

| Maximum fork height (TOF) + | Overall lowered height. | Overall extended height | | Free-lift (TOF) | |
|---------------------------------------------|-------------------------|-------------------------|-------------------|-----------------|-------------------|
| | | w/Load backrest | w/o Load backrest | w/Load backrest | w/o Load backrest |
| in. (mm) | in. (mm) | in. (mm) | in. (mm) | in. (mm) | in. (mm) |
| 2-STAGE LIMITED FREE-LIFT (LFL) MAST | | | | | |
| 119 (3032) | 78 (1980) | 168 (4262) | 142 (3606) | 5 (140) | 5 (140) |
| 127 (3232) | 82 (2080) | 176 (4462) | 150 (3806) | 5 (140) | 5 (140) |
| 2-STAGE FULL FREE-LIFT (FFL) MAST | | | | | |
| 118 (3018) | 78 (1980) | 168 (4262) | 143 (3613) | 29 (750) | 55 (1405) |
| 126 (3218) | 82 (2080) | 176 (4462) | 151 (3813) | 33 (850) | 59 (1505) |
| 3-STAGE FULL FREE-LIFT (FFL) MAST | | | | | |
| 175 (4450) | 78 (1980) | 224 (5025) | 198 (5025) | 29 (750) | 55 (1405) |
| 187 (4750) | 82 (2080) | 236 (5325) | 210 (5325) | 33 (850) | 59 (1505) |
| 192 (4900) | 84 (2130) | 238 (5375) | 212 (5375) | 35 (900) | 61 (1555) |
| 198 (5050) | 88 (2230) | 248 (5625) | 222 (5625) | 39 (1000) | 65 (1655) |
| 216 (5500) | 94 (2380) | 265 (6075) | 240 (6075) | 45 (1150) | 71 (1805) |
| 4-STAGE FULL FREE-LIFT (FFL) MAST | | | | | |
| 241 (6121) | 84 (2121) | 291 (7380) | 265 (6721) | 34 (873) | 59 (1511) |
| 259 (6578) | 90 (2273) | 309 (7837) | 283 (7179) | 40 (1025) | 65 (1663) |

The below tables are a helpful guide to visualize the truck run time with different batteries in different applications. Charts are a guide only and not a replacement for a site survey and full power survey.

Heavy - high throughput, typically runs near full capacity, runs either attachments or has high lifts

Medium - high throughput, runs near capacity without attachments or high lifts

Light - lower throughput, runs less than rated capacity without attachments or high lifts

Run time is from 100% to Lift-Lock out.

Charge time is from Lift-Lock out to 100%.

BATTERY RUN TIME - ERP040VTL

| | | Battery size |
|-------------|--------|--------------|
| | | 20.1 kWh |
| Application | Heavy | 3h 45m |
| | Medium | 5h 15m |
| | Light | 7h 15m |

BATTERY CHARGE TIME - ERP040VTL

| | | Battery size |
|-------------|-------|--------------|
| | | 20.1 kWh |
| Charge size | 30 kW | 45m |
| | 20 kW | 1h 15m |
| | 15 kW | 1h 30m |
| | 10 kW | 2h 15m |
| | 5 kW | 4h 15m |

FEATURES LIST - ERP040VTL

| PERFORMANCE | STD | OPT |
|--------------------------------------------------------------------------------|-----|-----|
| 48-Volt electrical system | ● | |
| Dual voltage lithium battery technology | ● | |
| AC tractions and pump motors (completely brushless) | ● | |
| Hydrostatic steer system | ● | |
| Transistor drive and pump control | ● | |
| Advanced VSM (Vehicle System Manager) | ● | |
| Dual drive motors | ● | |
| Wet disc brakes | ● | |
| "Zero turn radius" turning | ● | |
| Regenerative braking | ● | |
| DRIVE | STD | OPT |
| Pneumatic-shaped solid drive tire and steer tire | ● | |
| Rubber cushion smooth tread drive tire and steer tire | | ● |
| LIFT | STD | OPT |
| 2-Stage limited free lift (LFL) mast with maximum fork height of 119" | ● | |
| 5 Forward / 5 back mast tilt | ● | |
| 2-Stage full free lift mast | | ● |
| 3-Stage full free list mast | | ● |
| 4-Stage full free lift mast | | ● |
| Mast tilt option - 10F / 5B | | ● |
| Mast tilt option - 5F / 4B | | ● |
| HANDLING | STD | OPT |
| 38.5" Wide class II carriage with 48" high load backrest extension | ● | |
| 42" (1067mm) Long forks | ● | |
| Carriage with integral sideshift | | ● |
| Carriage with integral sideshifting forkpositioner | | ● |
| Return to set tilt | | ● |
| Hydraulic attachment extension tubes with or without quick disconnect fittings | | ● |
| Load weight indicator | | ● |
| ERGONOMICS | STD | OPT |
| MONOTROL foot direction control | ● | |
| TouchPoint hydraulic mini-levers | ● | |
| 12" Steering wheel with integral spinner knob and tilt column | ● | |
| Vinyl non-suspension seat | ● | |
| Black, non-cinch seat belt with Emergency Locking Retractor (ELR) | ● | |
| Automatic park brake | ● | |
| Power assist braking | ● | |
| On-demand hydrostatic power-assist steering | ● | |
| Auto Deceleration System (ADS) | ● | |
| Multifunction display (and all its sub features) | ● | |
| Easy ingress/egress with low step height and contoured handhold | ● | |
| Operator convenience station | ● | |
| Adjustable tilt steering column with low profile cowl | ● | |
| Operator Presence System (OPS) | ● | |
| Cushioned floormat | ● | |
| Static strap | ● | |
| Tow pin | ● | |
| Seatside power disconnect button | ● | |

| ERGONOMICS CONTINUED | STD | OPT |
|---------------------------------------------------------------------------------------------|-----|-----|
| Battery side covers | ● | |
| On-board software (Program, test & diagnose / password protected) | ● | |
| Electronic horn with integral relay (long life / no adjustments) | ● | |
| Non-suspension cloth seat | | ● |
| Full-suspension seat (vinyl or cloth) | | ● |
| Full-suspension swivel seat (vinyl or cloth) | | ● |
| Seatside directional control | | ● |
| Telescopic steering column with tilt memory | | ● |
| LED and halogen work light packages | | ● |
| LED dome / reading light | | ● |
| Rear drive handle with horn button | | ● |
| Mirrors - dual side view - LH & RH OHG side mounted | | ● |
| Mirror - single panoramic - OHG mounted | | ● |
| Low mount display | | ● |
| OPERATION | STD | OPT |
| Standard environmental construction | ● | |
| Key switch start | ● | |
| 81.5" grid style overhead guard | ● | |
| 3-Function hydraulic valve | ● | |
| Full integrated CANbus communication | ● | |
| Cooler / Freezer package: operating temperature 0F to +120F | | ● |
| SubZero freezer package: operating temperature -40F to +120F | | ● |
| 4-Function hydraulic control valve | | ● |
| 77.9" Flat plate overhead guard | | ● |
| 81.5" Drive-in rack grid style overhead guard | | ● |
| Keyless start (with auxiliary key switch) | | ● |
| Basic and premium LED brake / tail / back-up light packages | | ● |
| Key switch controlled lights | | ● |
| Audible alarm - reverse operation (manually adjustable to 87, 97 or 102 dB) | | ● |
| Visible amber strobe light - continuous activated, overhead guard mounted | | ● |
| Fire extinguisher - 2.5lb dry chemical | | ● |
| Impact monitor | | ● |
| Operator password start interlock | | ● |
| Operator daily checklist | | ● |
| System monitor - hydraulic low fluid level indicator and hydraulic filter service indicator | | ● |
| Programmable maintenance reminder | | ● |
| Synchronouse steering | | ● |
| Red, high-visibility, non-cinch seat belt with or without start interlock | | ● |
| Yale Vision | | ● |
| Yale Reliant™ | | ● |
| SUPPLEMENTAL | STD | OPT |
| 84 Month / 12,000 hour lithium-ion battery warranty | ● | |
| 12 Month / 2,000 hour full truck warranty | ● | |
| 36 Month / 6,000 hour powertrain warranty | ● | |
| Operating manual | ● | |

About Yale



Yale Lift Truck Technologies leverages over a century of material handling experience and substantial investment in innovation to bring the most advanced technology-driven lift truck solutions to market. The company offers a full line of award-winning lift trucks, including reach trucks, order pickers, turret trucks, pallet jacks and trucks, pallet stackers, tow tractors and counterbalanced forklifts, as well as powerful operator assist solutions, proven robotics and a wide range of power sources to help customers adapt to today's demanding supply chain. Yale and its independent dealer network support these solutions with comprehensive after-sales service, parts, financing and training.

MATERIALS HANDLING FOR:

Third-party logistics (3PL)

Auto parts distribution

Beverage

Cold & frozen foods

Food distribution

Food processing

Furniture & furnishings

Government

Health & pharma

Home centers & durables


Retail & e-commerce

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CERTIFICATION: Yale 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.