



UT40-50PS

4000 - 5000kg

Technical Specifications



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UT40-50PS Specifications

| | | | | | | | | | |
|------------------|--|---|---|------------------|--------------|------------------|--------------|------------------|--------------|
| Characteristics | 1.1 | Manufacturer | | UTILEV | UTILEV | UTILEV | UTILEV | UTILEV | UTILEV |
| | 1.2 | Model designation | | UT40P | UT40P | UT45P | UT45P | UT50PS | UT50PS |
| | 1.3 | Power: battery, diesel, LPG, electric mains | | Diesel | LPG | Diesel | LPG | Diesel | LPG |
| | 1.4 | Operation: manual, pedestrian, stand, seat, orderpicker | | Seat | Seat | Seat | Seat | Seat | Seat |
| | 1.5 | Load capacity | Q (kg) | 4000 | 4000 | 4500 | 4500 | 5000 | 5000 |
| | 1.6 | Load centre | c (mm) | 500 | 500 | 500 | 500 | 500 | 500 |
| | 1.8 | Load distance | x (mm) | 550 | 550 | 550 | 550 | 555 | 555 |
| | 1.9 | Wheelbase | y (mm) | 2000 | 2000 | 2000 | 2000 | 2100 | 2100 |
| | Weight | 2.1 | Unladen weight | kg | 6300 | 6300 | 6500 | 6500 | 6850 |
| 2.2 | | Axle loading with load front/rear | kg | 9000/1300 | 9000/1300 | 9625/1375 | 9625/1375 | 10450/1400 | 10450/1400 |
| 2.3 | | Axle loading without load, front/rear | kg | 2800/3500 | 2800/3500 | 2820/3680 | 2820/3680 | 3000/3850 | 3000/3850 |
| Wheels and Tyres | 3.1 | Tyres: L = pneumatic, V = cushion, SE = superelastic | | L | L | L | L | L | L |
| | 3.2 | Tyre size, front | | 8.25-15-14PR | 8.25-15-14PR | 300-15-18PR | 300-15-18PR | 300-15-18PR | 300-15-18PR |
| | 3.3 | Tyre size, rear | | 7.00-12-12PR | 7.00-12-12PR | 7.00-12-12PR | 7.00-12-12PR | 7.00-12-12PR | 7.00-12-12PR |
| | 3.5 | Number of wheels, front/rear (X = driven) | | 2X/2 | 2X/2 | 2X/2 | 2X/2 | 2X/2 | 2X/2 |
| | 3.6 | Track width, front | b10 (mm) | 1160 | 1160 | 1190 | 1190 | 1190 | 1190 |
| | 3.7 | Track width, rear | b11 (mm) | 1130 | 1130 | 1130 | 1130 | 1130 | 1130 |
| | Dimensions | 4.1 | Mast tilt, forward α /back β | degrees | 6/12 | 6/12 | 6/12 | 6/12 | 6/12 |
| 4.2 | | Height of mast, lowered | h1 (mm) | 2245 | 2245 | 2245 | 2245 | 2245 | 2245 |
| 4.3 | | Free lift ▲ | h2 (mm) | 160 | 160 | 160 | 160 | 160 | 160 |
| 4.4 | | Lift height ▲ | h3 (mm) | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 |
| 4.5 | | Height of mast, extended + | h4 (mm) | 3830 | 3830 | 3830 | 3830 | 3830 | 3830 |
| 4.7 | | Height to top of overhead guard ○ | h6 (mm) | 2250 | 2250 | 2250 | 2250 | 2250 | 2250 |
| 4.8 | | Seat height ✕ | h7 (mm) | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 |
| 4.12 | | Towing coupling height | h10 (mm) | 380 | 380 | 380 | 380 | 380 | 380 |
| 4.19 | | Overall length | l1 (mm) | 4140 | 4140 | 4180 | 4180 | 4285 | 4285 |
| 4.20 | | Length to face of forks | l2 (mm) | 3070 | 3070 | 3110 | 3110 | 3215 | 3215 |
| 4.21 | | Overall width, Std/Dual | b1/b2 (mm) | 1395/1925 | 1395/1925 | 1490/1925 | 1490/1925 | 1490/1925 | 1490/1925 |
| 4.22 | | Fork dimensions | s/e/l (mm) | 50/122/1070 | 50/122/1070 | 50/150/1070 | 50/150/1070 | 50/150/1070 | 50/150/1070 |
| 4.23 | | Fork carriage to DIN 15173. Class, A/B | | IIIA | IIIA | IIIA | IIIA | IVA | IVA |
| 4.24 | | Fork carriage width ▴ | b3 (mm) | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 |
| 4.31 | | Ground clearance under mast, with load | m1 (mm) | 170 | 170 | 170 | 170 | 170 | 170 |
| 4.32 | | Ground clearance at centre of wheelbase | m2 (mm) | 230 | 230 | 230 | 230 | 230 | 230 |
| 4.33 | Aisle width with pallets 1 000mm long x 1 200mm wide | Ast (mm) | 4440 | 4440 | 4470 | 4470 | 4565 | 4565 | |
| 4.34 | Aisle width with pallets 800mm wide x 1 200mm long | Ast (mm) | 4640 | 4640 | 4670 | 4670 | 4765 | 4765 | |
| 4.35 | Outer turning radius | Wa (mm) | 2690 | 2690 | 2720 | 2720 | 2810 | 2810 | |
| 4.36 | Inner turning radius | b13 (mm) | 135 | 135 | 90 | 90 | 120 | 120 | |
| Performance | 5.1 | Travel speed with/without load | km/h | 23/24 | 25/26 | 23/24 | 25/26 | 23/24 | 25/26 |
| | 5.2 | Lifting speed with/without load | m/sec | 0.43/0.48 | 0.46/0.50 | 0.43/0.48 | 0.46/0.50 | 0.38/0.42 | 0.40/0.44 |
| | 5.3 | Lowering speed with/without load | m/sec | 0.55/0.50 | 0.50/0.45 | 0.55/0.50 | 0.50/0.45 | 0.55/0.50 | 0.50/0.45 |
| | 5.5 | Drawbar pull with/without load, @ 1.6km/h | N | 28000/19600 | 31340/19600 | 28500/19740 | 31340/19740 | 28000/21000 | 31340/21000 |
| | | Drawbar pull with/without load, @ 4.8km/h | N | 19200/19600 | 21470/19600 | 19200/19740 | 21470/19740 | 19200/21000 | 21470/21000 |
| | 5.6 | Maximum drawbar pull with/without load | N | 35000/19600 | 39300/19600 | 35000/19740 | 39300/19740 | 35000/21000 | 39300/21000 |
| | | Gradeability with/without load, @ 1.6km/h | % | 25/29 | 28/29 | 23/27 | 26/27 | 21/25 | 24/25 |
| | 5.7 | Gradeability with/without load @ 4.8km/h | % | 16/27 | 18/29 | 15/26 | 17/27 | 13/25 | 15/25 |
| | | Acceleration time with/without load | sec | 15/10 | 14/9 | 15/10 | 14/9 | 15/10 | 13/9 |
| | 5.10 | Service brake | | Hydraulic | Hydraulic | Hydraulic | Hydraulic | Hydraulic | Hydraulic |
| Engine | 7.1 | Engine manufacturer/type | | Perkins 1044D-44 | GM 4.3L | Perkins 1044D-44 | GM 4.3L | Perkins 1044D-44 | GM 4.3L |
| | 7.2 | Engine output, in accordance with ISO1585 | kW | 56 | 74 | 56 | 74 | 56 | 74 |
| | 7.3 | Governed speed | rpm | 2200 | 2300 | 2200 | 2300 | 2200 | 2300 |
| | 7.4 | Number of cylinders/displacement | cm3 | 4/4410 | 6/4294 | 4/4410 | 6/4294 | 4/4410 | 6/4294 |
| | 7.5 | Fuel consumption in accordance with VDI cycle | kg/h | 7.5 | 9.0 | 7.5 | 9.0 | 7.5 | 9.0 |
| Other | 8.1 | Drive control | | Automatic | Automatic | Automatic | Automatic | Automatic | Automatic |
| | 8.2 | Working pressure for attachments | bar | 0-175 | 0-175 | 0-175 | 0-175 | 0-175 | 0-175 |
| | 8.3 | Oil flow for attachments ● | l/min | 50 | 50 | 50 | 50 | 50 | 50 |
| | 8.4 | Average noise level at operator's ear ★ | dB(A) | 86 | 86 | 86 | 86 | 86 | 86 |
| | | Guaranteed sound power 2001/14/EC | dB | 106 | 106 | 106 | 106 | 106 | 106 |
| | 8.5 | Towing coupling type | | Pin | Pin | Pin | Pin | Pin | Pin |
| | | Hydraulic Tank - capacity (drain & refill) | litres | 80 | 80 | 80 | 80 | 80 | 80 |
| | | Fuel Tank - Capacity (Diesel-Powered Units Only) | litres | 80 | 80 | 80 | 80 | 80 | 80 |
| | | Step Height (from ground to running board) | mm | 510 | 510 | 510 | 510 | 510 | 510 |
| | Step Height (between intermediate steps - running board & floor) | mm | 350 | 350 | 350 | 350 | 350 | 350 | |

★ LPAZ, measured according to the test cycles and based on the weighting values contained in EN12053

▲ Bottom of Forks

✕ Non-suspension seat specified

+ Without load backrest

▴ Add 100mm with load backrest

○ h6 subject to +/- 5 mm tolerance. When full-suspension seat or cab is fitted, overhead guard height is raised by 40mm

● Variable

Specification data is based on VDI 2198, with the following configuration:

Complete truck with 3000mm 2-stage limited free lift mast, standard carriage and 1070mm forks, overhead guard and standard pneumatic drive and steer tyres.

UT40-45PS Mast Table

| Mast Type | Maximum Fork Height (mm) | Lowered Height (mm) | Overall Extended Height | | Free Lift | | Mast Tilt |
|-------------|--------------------------|---------------------|-------------------------|---------------|------------------|---------------|--------------------|
| | | | Without LBR (mm) | With LBR (mm) | Without LBR (mm) | With LBR (mm) | Forward/Back (deg) |
| 2 Stage LFL | 3000 | 2245 | 3830 | 4170 | 160 | 160 | 6/12 |
| | 3300 | 2395 | 4130 | 4470 | 160 | 160 | 6/12 |
| | 4500 | 3070 | 5330 | 5670 | 160 | 160 | 6/6 |
| 2 Stage FFL | 3300 | 2376 | 4165 | 4470 | 1514 | 1205 | 6/12 |
| | 3600 | 2526 | 4465 | 4770 | 1664 | 1359 | 6/12 |
| 3 Stage FFL | 4300 | 2180 | 5155 | 5470 | 1329 | 1012 | 6/6 |
| | 4500 | 2248 | 5365 | 5685 | 1395 | 1080 | 6/6 |
| | 5000 | 2410 | 5855 | 6170 | 1559 | 1242 | 6/6 |
| | 5500 | 2575 | 6355 | 6670 | 1724 | 1408 | 3/6 |

UT50PS Mast Table

| Mast Type | Maximum Fork Height (mm) | Lowered Height (mm) | Overall Extended Height | | Free Lift | | Mast Tilt |
|-------------|--------------------------|---------------------|-------------------------|---------------|------------------|---------------|--------------------|
| | | | Without LBR (mm) | With LBR (mm) | Without LBR (mm) | With LBR (mm) | Forward/Back (deg) |
| 2 Stage LFL | 3000 | 2245 | 3830 | 4365 | 160 | 160 | 6/12 |
| | 3300 | 2395 | 4130 | 4665 | 160 | 160 | 6/12 |
| | 4500 | 3070 | 5330 | 5865 | 160 | 160 | 6/6 |
| 2 Stage FFL | 3300 | 2376 | 4165 | 4665 | 1514 | 1010 | 6/12 |
| | 3600 | 2526 | 4465 | 4965 | 1664 | 1160 | 6/12 |
| 3 Stage FFL | 4300 | 2180 | 5160 | 5665 | 1322 | 815 | 6/6 |
| | 4500 | 2248 | 5370 | 5880 | 1390 | 883 | 6/6 |
| | 5000 | 2410 | 5860 | 6370 | 1552 | 1045 | 6/6 |
| | 5500 | 2575 | 6360 | 6870 | 1718 | 1210 | 3/6 |

UT40-50PS Capacity Table

Capacity in kg @ 500mm Load Centre

| Mast Type | Maximum Fork Height (mm) | Pneumatic Tyres | | | | | | Superelastic Tyres | | | | | |
|-------------|--------------------------|-----------------|-------|-------|------------|-------|-------|--------------------|-------|-------|------------|-------|-------|
| | | Single Tyres | | | Dual Tyres | | | Single Tyres | | | Dual Tyres | | |
| | | UT40P | UT45P | UT50P | UT40P | UT45P | UT50P | UT40P | UT45P | UT50P | UT40P | UT45P | UT50P |
| 2 Stage LFL | 3000 | 4000 | 4500 | 5000 | 4000 | 4500 | 5000 | 4000 | 4500 | 5000 | 4000 | 4500 | 5000 |
| | 3300 | 4000 | 4500 | 5000 | 4000 | 4500 | 5000 | 4000 | 4500 | 5000 | 4000 | 4500 | 5000 |
| | 4500 | 3400 | 3800 | 4250 | 3600 | 4050 | 4500 | 3450 | 3900 | 4300 | 3650 | 4100 | 4550 |
| 2 Stage FFL | 3300 | 4000 | 4500 | 5000 | 4000 | 4500 | 5000 | 4000 | 4500 | 5000 | 4000 | 4500 | 5000 |
| | 3600 | 4000 | 4500 | 5000 | 4000 | 4500 | 5000 | 4000 | 4500 | 5000 | 4000 | 4500 | 5000 |
| 3 Stage FFL | 4300 | 3400 | 3800 | 4250 | 3600 | 4050 | 4500 | 3450 | 3900 | 4300 | 3650 | 4100 | 4550 |
| | 4500 | 3200 | 3600 | 4000 | 3400 | 3850 | 4250 | 3300 | 3700 | 4100 | 3500 | 3900 | 4350 |
| | 5000 | 2800 | 3150 | 3500 | 3000 | 3400 | 3750 | 2950 | 3300 | 3650 | 3150 | 3500 | 3900 |
| | 5500 | 2250 | 2550 | 2850 | 2800 | 3100 | 3350 | 2350 | 2650 | 2950 | 2900 | 3150 | 3450 |

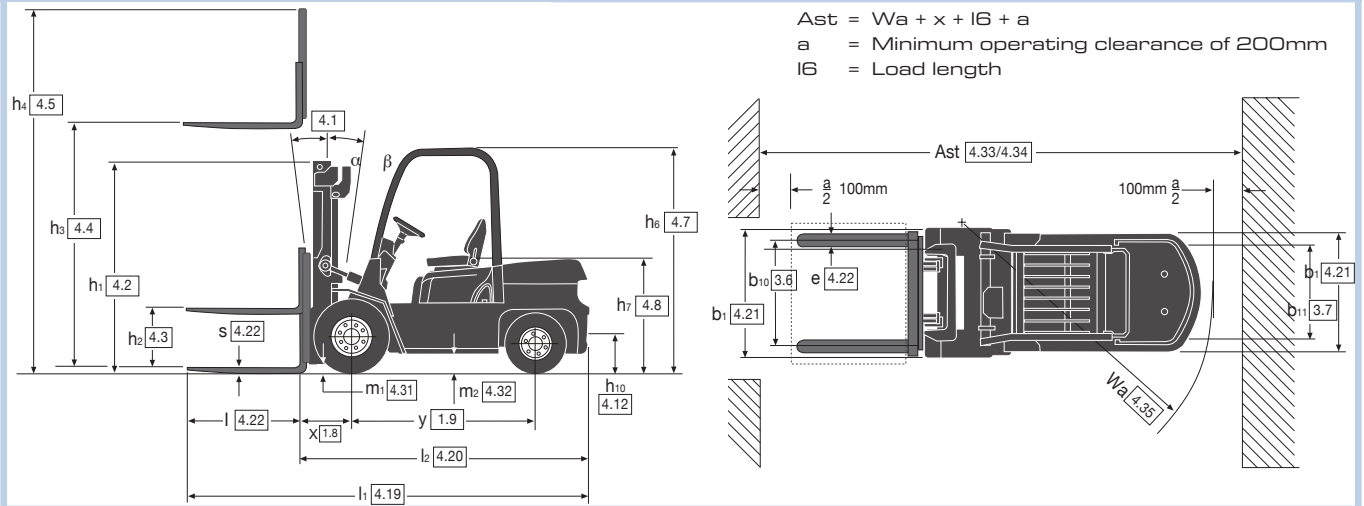
UT40-50PS Capacity Table

Capacity in kg @ 600mm Load Centre

| Mast Type | Maximum Fork Height (mm) | Pneumatic Tyres | | | | | | Superelastic Tyres | | | | | |
|-------------|--------------------------|-----------------|-------|-------|------------|-------|-------|--------------------|-------|-------|------------|-------|-------|
| | | Single Tyres | | | Dual Tyres | | | Single Tyres | | | Dual Tyres | | |
| | | UT40P | UT45P | UT50P | UT40P | UT45P | UT50P | UT40P | UT45P | UT50P | UT40P | UT45P | UT50P |
| 2 Stage LFL | 3000 | 3650 | 4100 | 4550 | 3650 | 4100 | 4550 | 3650 | 4100 | 4550 | 3650 | 4100 | 4550 |
| | 3300 | 3650 | 4100 | 4550 | 3650 | 4100 | 4550 | 3650 | 4100 | 4550 | 3650 | 4100 | 4550 |
| | 4500 | 3100 | 3450 | 3880 | 3280 | 3700 | 4100 | 3150 | 3550 | 3900 | 3300 | 3720 | 4150 |
| 2 Stage FFL | 3300 | 3650 | 4100 | 4550 | 3650 | 4100 | 4550 | 3650 | 4100 | 4550 | 3650 | 4100 | 4550 |
| | 3600 | 3650 | 4100 | 4550 | 3650 | 4100 | 4550 | 3650 | 4100 | 4550 | 3650 | 4100 | 4550 |
| 3 Stage FFL | 4300 | 3100 | 3450 | 3880 | 3280 | 3700 | 4100 | 3150 | 3550 | 3900 | 3300 | 3720 | 4150 |
| | 4500 | 2900 | 3250 | 3650 | 3100 | 3500 | 3880 | 3000 | 3350 | 3720 | 3200 | 3550 | 3950 |
| | 5000 | 2550 | 2850 | 3200 | 2730 | 3100 | 3400 | 2700 | 3000 | 3300 | 2850 | 3200 | 3550 |
| | 5500 | 2050 | 2300 | 2600 | 2550 | 2800 | 3050 | 2130 | 2400 | 2700 | 2650 | 2850 | 3150 |

Deduct 100kg for capacities with factory fitted integrated attachments (sideshift or fork positioner)

Truck Dimensions



Overview

Utility you can trust™

The UTILEV® range of affordable forklift trucks delivers reliable and cost-effective materials handling solutions for applications across many industries, particularly where users require equipment without advanced functionality and attachments.

The product range has been designed to be easy to operate and maintain, and is backed up by a standard warranty and comprehensive parts availability.

Furthermore, a network of experienced distributors is on-hand to provide maintenance and support, whenever it is required.

Simple to Use

The ergonomically designed operator compartment, with a familiar automotive layout means that drivers will be able to work comfortably,

preventing tiredness during handling operations.

A range of standard features and options help to ensure that the truck is configured to the needs of the application.

Easy to Maintain

Thanks to the simplicity of the components and specification, servicing can be carried out quickly and easily, even when PCs, laptops or diagnostic tools are not available

Affordable to Own

The use of proven, high quality, robust components, efficient filtration and excellent cooling result in reliable operation and lower wear and tear. This - together with the fast availability of cost-effective replacement parts - helps to reduce service and maintenance requirements and costs.

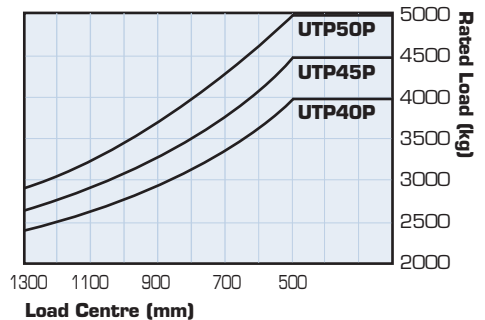
Rated Capacities

Load Centre

Distance from forks to centre of gravity of load.

Rated Load

Based on vertical masts as shown in VDI table.



Features

Standard Features Include:

- Engines: 4.4L Perkins Diesel, GM 4.3L LPG or Dual Fuel
- Transmission: Autoshift: 2-Speed FWD, 1 REV
- Mast: 2-stage LFL 3000mm
- Carriage: 1250mm Class III (4.0-4.5t), or Class IV (5.0t)
- Forks: 1070 x 122 x 50mm Class III (4.0t)
1070 x 150 x 50mm Class III (4.5t)
1070 x 150 x 50mm Class IV (5.0t)
- Pneumatic Tyres - Drive: 8.25-15-14PR (4T),
300-15-18PR (4.5-5T)
- Pneumatic Tyres - Steer: 7.00-12-12PR
- Two Function Cowl Mounted Manual Lever - Lift / Tilt
- Forward / Reverse Directional Lever
- Manual Park Brake
- Drum Brakes
- Three Pedal Layout with Mechanical Inching
- Non-Suspension Seat (Vinyl) with Seat Belt
- Steering Wheel with Spinning Knob
- Power Steering and Tilt Adjustable Steering Column
- Key Switch Start
- Entry Grab Handle
- Rear View Mirrors
- Load Backrest
- Dash Display: Fuel Gauge (Diesel/Dual - Fuel), LCD
Hour Meter, Water Temperature / Oil Temperature /
Transmission Oil Level, Warning Lights
- Mast Tilt - 6° Forward / 12° Back
- Strobe Light (magnetically mounted)
- Audible Reverse Alarm
- Light Kit: 2 x Front Work, 2 x Front Turn,
Rear Turn / Tail / Brake / Reverse
- Upswept Exhaust
- Standard Overhead Guard (2250mm)
- Radiator with Transmission Oil Cooler
- Cyclonic Air Filter
- Fixed Tank Bracket (LPG Trucks)
- Fuel Tank Capacity - 80L
- Engine Hood Lock
- Mast Tilt Gaitor
- Counterweight Net
- Toolbox
- Towing Pin
- Operator Manual
- 12 Months / 2000 Hours Manufacturer's Warranty

Options

- 2-stage LFL, 2-stage FFL & 3-stage FFL Masts up to 5.5m
- Mast Tilt: 6° Forward / 6° Back, 3° Forward / 6° Back
- Carriages: 1400 & 1500mm (Class III-IV)
- Forks: 1220 and 1520mm (Class III-IV)
- Integral Sideshift or Integral Sideshift with Fork Positioner
- Valve and Hose Groups - 3 and 4 Way
- Counterweight Exhaust
- Air Intake with Pre-cleaner
- Cab with/without Heater ○
- Full Suspension Seat ○
- High Overhead Guard (2290mm) ○
- Rear Work Light
- Dual Drive Pneumatic Tyres and Fender Extensions
- Superelastic Drive and Steer Tyres
- Dual Drive Superelastic Tyres and Fender Extensions
- Non-Marking Superelastic Drive and Steer Tyres
- Operator Presence System
- PVC Rain Cover
- Air Conditioning
- Swing Out LPG Bracket
- Battery Disconnect Device

UTILEV®
THE UTILITY
LIFT TRUCK™

These trucks conform to current legislative requirements.
Specification is subject to change without notice.
Trucks shown with optional equipment.

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