



# UT80-100P

8,000 - 10,000kg

## Technical Specifications



Utility you can trust™

## UT80-100P Specifications

|                  |      |                                                                          |            |                 |                 |
|------------------|------|--------------------------------------------------------------------------|------------|-----------------|-----------------|
| Characteristics  | 1.1  | Manufacturer                                                             |            | UTILEV          | UTILEV          |
|                  | 1.2  | Model designation                                                        |            | UT80P           | UT100P          |
|                  | 1.3  | Power: battery, diesel, LPG, electric mains                              |            | Diesel          | Diesel          |
|                  | 1.4  | Operation: manual, pedestrian, stand, seat, orderpicker                  |            | Seat            | Seat            |
|                  | 1.5  | Load capacity                                                            | Q (kg)     | 8000            | 10000           |
|                  | 1.6  | Load centre                                                              | c (mm)     | 600             | 600             |
|                  | 1.8  | Load distance                                                            | x (mm)     | 714             | 726             |
|                  | 1.9  | Wheelbase                                                                | y (mm)     | 2500            | 2800            |
| Weight           | 2.1  | Unladen weight                                                           | kg         | 11300           | 13000           |
|                  | 2.2  | Axle loading with load front/rear                                        | kg         | 17330 / 1970    | 20940 / 2060    |
|                  | 2.3  | Axle loading without load, front/rear                                    | kg         | 4530 / 6570     | 6040 / 6960     |
| Wheels and Tyres | 3.1  | Tyres: L = pneumatic, V = cushion, SE = superelastic                     |            | L               | L               |
|                  | 3.2  | Tyre size, front                                                         |            | 9.00-20-14PR    | 9.00-20-14PR    |
|                  | 3.3  | Tyre size, rear                                                          |            | 9.00-20-14PR    | 9.00-20-14PR    |
|                  | 3.5  | Number of wheels, front/rear (X = driven)                                |            | 4x / 2          | 4x / 2          |
|                  | 3.6  | Track width, front                                                       | b10 (mm)   | 1628            | 1628            |
|                  | 3.7  | Track width, rear                                                        | b11 (mm)   | 1700            | 1700            |
|                  |      |                                                                          |            |                 |                 |
| Dimensions       | 4.1  | Mast tilt, forward $\alpha$ / back $\beta$                               | degrees    | 6 / 12          | 6 / 12          |
|                  | 4.2  | Height of mast, lowered                                                  | h1 (mm)    | 2700            | 2850            |
|                  | 4.3  | Free lift ▲                                                              | h2 (mm)    | 200             | 200             |
|                  | 4.4  | Lift height ▲                                                            | h3 (mm)    | 3000            | 3000            |
|                  | 4.5  | Height of mast, extended                                                 | h4 (mm)    | 4210            | 4555            |
|                  | 4.7  | Height to top of overhead guard                                          | h6 (mm)    | 2580            | 2580            |
|                  | 4.8  | Seat height ✕                                                            | h7 (mm)    | 1505            | 1505            |
|                  | 4.12 | Towing coupling height                                                   | h10 (mm)   | 505             | 505             |
|                  | 4.19 | Overall length                                                           | l1 (mm)    | 5404            | 5736            |
|                  | 4.20 | Length to face of forks                                                  | l2 (mm)    | 3904            | 4236            |
|                  | 4.21 | Overall width, std/dual                                                  | b1/b2 (mm) | 2165            | 2165            |
|                  | 4.22 | Fork dimensions                                                          | s/e/l (mm) | 75 × 160 × 1500 | 80 × 160 × 1500 |
|                  | 4.24 | Fork carriage width                                                      | b3 (mm)    | 2040            | 2040            |
|                  | 4.31 | Ground clearance under mast, with load                                   | m1 (mm)    | 250             | 250             |
|                  | 4.32 | Ground clearance at centre of wheelbase                                  | m2 (mm)    | 339             | 339             |
|                  | 4.33 | Aisle width with pallets 1 000mm long x 1 200mm wide                     | Ast (mm)   | 5544            | 5826            |
|                  | 4.34 | Aisle width with pallets 800mm wide x 1 200mm long                       | Ast (mm)   | 5744            | 6026            |
|                  | 4.35 | Outer turning radius                                                     | Wa (mm)    | 3630            | 3900            |
|                  | 4.36 | Inner turning radius                                                     | b13 (mm)   | 1327            | 1396            |
| Performance      | 5.1  | Travel speed with/without load                                           | km/h       | 32              | 31              |
|                  | 5.2  | Lifting speed with/without load                                          | m/sec      | 440             | 330             |
|                  | 5.3  | Lowering speed with/without load                                         | m/sec      | 455             | 455             |
|                  | 5.5  | Drawbar pull with/without load, @ 1.6km/h                                | N          | 60000 / 45000   | 60000 / 49000   |
|                  | 5.6  | Maximum drawbar pull with/without load                                   | N          | 65000 / 45000   | 65000 / 49000   |
|                  | 5.7  | Gradeability with/without load, @ 1.6km/h                                | %          | 26 / 23         | 22 / 20         |
|                  | 5.10 | Service brake                                                            |            | Hydraulic       | Hydraulic       |
| Engine           | 7.1  | Engine manufacturer/type                                                 |            | Cummins QSB4.5  | Cummins QSB4.5  |
|                  | 7.2  | Engine output, in accordance with ISO1585                                | kW         | 82              | 82              |
|                  | 7.3  | Governed speed                                                           | rpm        | 2200            | 2200            |
|                  | 7.4  | Number of cylinders/displacement                                         | cm3        | 4 / 4500        | 4 / 4500        |
| Other            | 8.1  | Drive control                                                            |            | Automatic       | Automatic       |
|                  | 8.2  | Working pressure for attachments                                         | bar        | 195             | 195             |
|                  | 8.3  | Oil flow for attachments ●                                               | l/min      | 180             | 180             |
|                  | 8.4  | Average noise level at operator's ear ★                                  | dB(A)      | 87              | 87              |
|                  |      | Guaranteed Sound Power 2001/14/EC                                        | dB         | 106             | 106             |
|                  | 8.5  | Towing coupling type                                                     | litres     | Pin             | Pin             |
|                  |      | Hydraulic tank - capacity (drain & refill)                               | litres     | 190             | 202             |
|                  |      | Fuel tank - capacity (Diesel-powered units only)                         | mm         | 176             | 176             |
|                  |      | Step height (from ground to running board)                               | mm         | 389             | 389             |
|                  |      | Step height (between intermediate steps between running board and floor) | mm         | 369             | 369             |

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

● Variable

▲ Bottom of forks

✕ Standard full suspension seat specified

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

Complete truck with 3000mm 2-stage limited free lift mast, standard carriage and 1500mm forks, overhead guard and standard pneumatic drive and steer tyres.

## UT80P Mast Table

| Mast Type   | Maximum Fork Height (mm) | Lowered Height (mm) | Overall Extended Height | Free Lift Without LBR (mm) | Mast Tilt Forward / Back (deg) |
|-------------|--------------------------|---------------------|-------------------------|----------------------------|--------------------------------|
|             |                          |                     | Without LBR (mm)        |                            |                                |
| 2 Stage LFL | 3000                     | 2700                | 4210                    | 200                        | 6/12                           |
|             | 3600                     | 3000                | 4810                    | 200                        | 6/12                           |
|             | 4000                     | 3200                | 5210                    | 200                        | 6/12                           |
|             | 4500                     | 3500                | 5710                    | 200                        | 6/6                            |
|             | 6000                     | 4300                | 7240                    | 200                        | 3/6                            |

## UT100P Mast Table

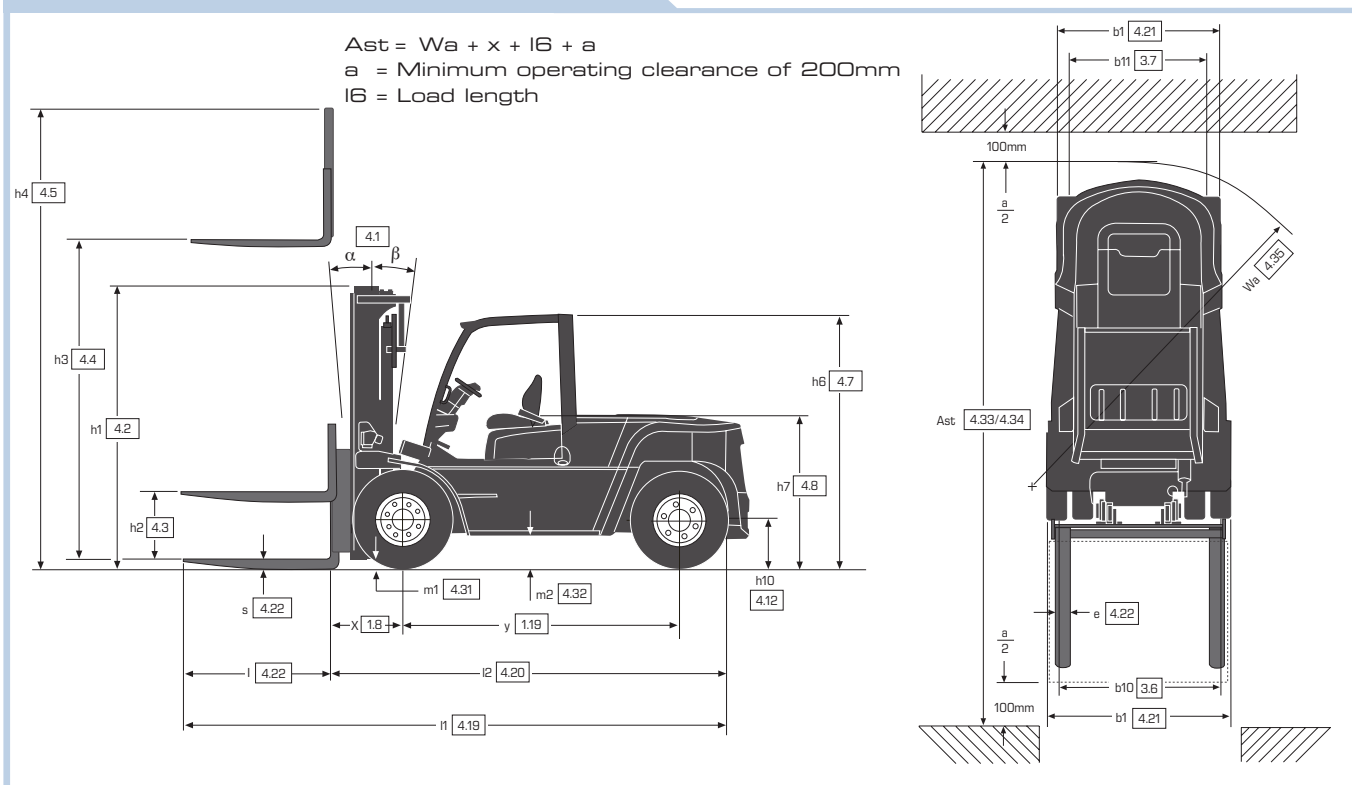
| Mast Type   | Maximum Fork Height (mm) | Lowered Height (mm) | Overall Extended Height | Free Lift Without LBR (mm) | Mast Tilt Forward / Back (deg) |
|-------------|--------------------------|---------------------|-------------------------|----------------------------|--------------------------------|
|             |                          |                     | Without LBR (mm)        |                            |                                |
| 2 Stage LFL | 3000                     | 2850                | 4555                    | 200                        | 6/12                           |
|             | 3600                     | 3150                | 5155                    | 200                        | 6/12                           |
|             | 4000                     | 3350                | 5555                    | 200                        | 6/12                           |
|             | 4500                     | 3650                | 6055                    | 200                        | 6/6                            |
|             | 6000                     | 4450                | 7555                    | 200                        | 3/6                            |

## UT80-100P Capacity Table

Capacity in kg @ 600mm Load Centre

| Mast Type   | Maximum Fork Height (mm) | Dual Pneumatic Tyres / Dual Superelastic Tyres |        |                                         |        |
|-------------|--------------------------|------------------------------------------------|--------|-----------------------------------------|--------|
|             |                          | Standard Carriage                              |        | Integral Sideshift with Fork Positioner |        |
|             |                          | UT80P                                          | UT100P | UT80P                                   | UT100P |
| 2 Stage LFL | 3000                     | 8000                                           | 10000  | 7850                                    | 9850   |
|             | 3600                     | 8000                                           | 10000  | 7850                                    | 9850   |
|             | 4000                     | 8000                                           | 10000  | 7850                                    | 9850   |
|             | 4500                     | 8000                                           | 10000  | 7850                                    | 9850   |
|             | 6000                     | 7000                                           | 8000   | 6850                                    | 7850   |

## 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.

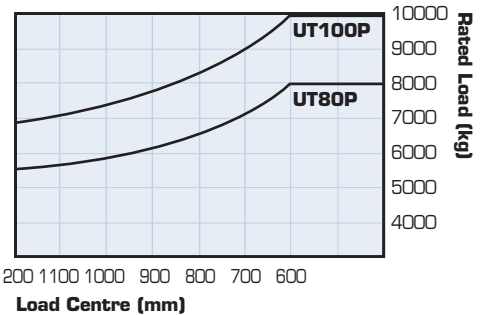
## Rated Capacities

### 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:

- Engine: Cummins QSB 4.5L
- Transmission: Autoshift 2-Speed Forward, 2 Speed Reverse
- Mast: 2-Stage LFL 3000mm
- Carriage: 2040mm
- Forks: 1500 x 160 x 75mm
- Dual Pneumatic Tyres Drive: 9.00x20-14PR
- Pneumatic Tyres Steer: 9.00x20-14PR
- Two Function Cowl Mounted Manual Lever - Lift / Tilt
- 4 Way Valve
- Forward / Reverse Directional Lever
- 4 Way Hoses
- Manual Park Brake
- Drum Brakes
- Three Pedal Layout With Mechanical Inching
- Full Suspension Seat (Vinyl) with Seat Belt and Operator Presence System
- Steering Wheel with Spinning Knob
- Power Steering and Adjustable Steering Column
- Key Switch Start
- Entry Grab Handle
- Rear View Mirrors
- Mast Tilt: 6° Forward / 12° Back Tilt
- Strobe Light (magnetically mounted)
- Audible Reverse Alarm
- Light Kit: 2 x Front Work, 2 x Front Turn, 2 x Rear Turn, Tail / Brake / Reverse

- Upswept Exhaust
- Air Intake without Pre-cleaner
- Overhead Guard with Rain Cover
- Engine Hood Lock
- Mast Tilt Gaitor
- Fuel Gauge / Water Temperature / Oil Temperature / Transmission Oil Level / Hour Meter
- Counterweight Net
- Toolbox
- Towing Pin
- Operator Manual
- 12 Months / 2000 Hours Manufacturer's Warranty

### Options

- 2-Stage LFL Masts up to 6000mm
- Mast Tilt: 6° Forward / 6° Back or 3° Forward / 6° Back
- Integral Sideshift with Fork Positioner
- Forks: 1800 x 165 x 80mm, 2400 x 165 x 80mm (8.0t) / 1800 x 160 x 85mm, 2400 x 160 x 85mm (10.0t)
- Counterweight Exhaust
- Air Intake with Pre-cleaner
- Cab with/without Heater
- Air Conditioning
- Front Screen with Wiper
- Rear Work Light
- Superelastic Drive and Steer Tyres

dealer logo here

**UTILEV®**  
THE UTILITY  
LIFT TRUCK™

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

Publication part no. BR0000039. Printed in Australia.  
© NACCO Materials Handling Group Pty Ltd 2015. All rights reserved

UTILEV is a registered trademark. THE UTILITY LIFT TRUCK and UTILITY YOU CAN TRUST are trademarks in the United States and certain other jurisdictions.

NACCO Materials Handling Group Pty Ltd  
1 Bullecourt Avenue Milperra NSW Sydney Australia 2214  
Tel +61 (2) 9795 3800 Fax +61 (2) 9771 1255  
[www.asiapacific.utilev.com](http://www.asiapacific.utilev.com)