

UP

**TUP 37-1200**

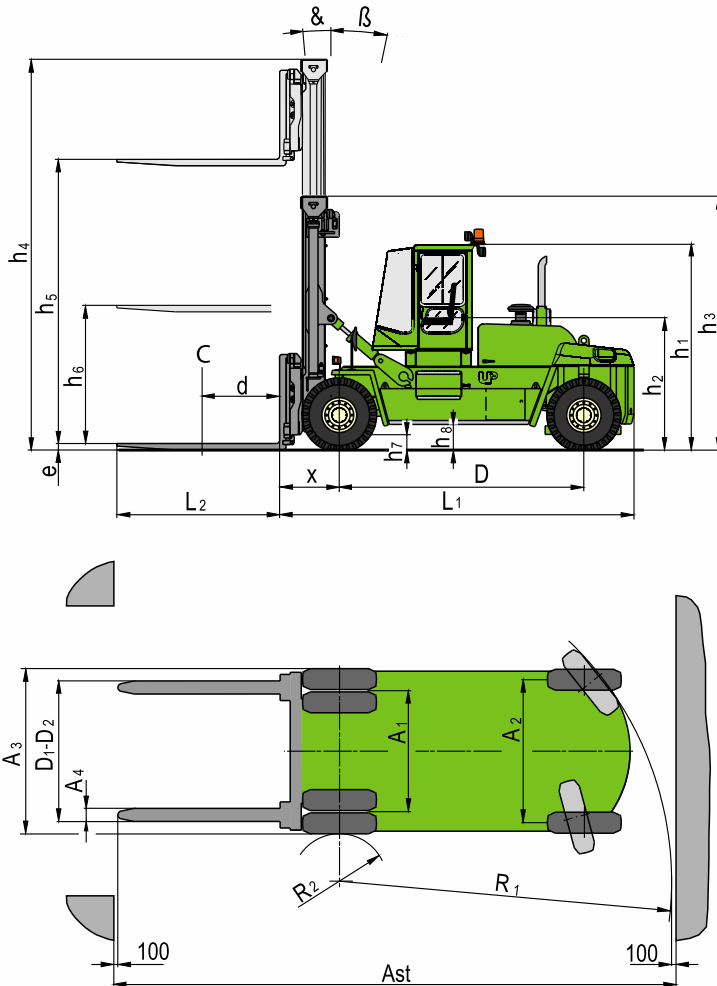
**TUP 42-1200**

Forklift for general loads  
37, 42 tonnes



# TUP 37-1200, TUP 42-1200

Forklift for general loads. 37 t, 42 t. 1200 mm load centre.



## Dimensions (mm)

OVERALL	TUP 37-1200	TUP 42-1200
Length $L_1$	7950	7970
Distance between axles D	5500	5500
Distance between wheels:		
_Centres of front axle $A_1$	3090	3090
_Centre of back axle $A_2$	2940	2940
Total width $A_3$	4235	4235
Truck height $h_1$	4170	4170
Seat height $h_2$	3075	3075
Distance of the load x	1290	1290
Load centre d	1200	1200

## MAST

Minimum height $h_3$	5250	5500
Maximum height $h_4$	7750	8000
Height lift duplex $h_5$	5000	5000
Height lift special duplex $h_6$	2500	2500
Tilt angle		
_Forwards $\alpha$	5°	5°
_Backwards $\beta$	10°	10°

## FORKS

Thickness e	135	135
Width $A_4$	300	300
Length $L_2$	2400	2400
Max distance between forks $D_1$	2280	2280
Min distance between forks $D_2$	1660	1660
Maximum side-shift	400	400

## GROUND CLEARANCE

Under Lift-frame $H_7$	300
At centre of distances between axles $H_8$	500

## TURNING RADIUS

Outer $R_1$	7400
Inner $R_2$	610

## Cab

- \_ Excellent visibility all around: ISO/DIS 13564-1
- \_ Operator's seat with air suspension
- \_ Tinted safety glass
- \_ Sideways tilting
- \_ Tilting steering column
- \_ Sound proofing ISO/TS 3691 - 7:2011
- \_ Easy accessibility
- \_ Joystick which controls mast and accessories.

## Safety

- \_ Safety-glass is used in the whole machine.
- \_ Functions control by electronic system.
- \_ Seat belt is incorporated.
- \_ Non-slip steps to get the cabin.

## Environment

- \_ Lowering toxic emissions engine in accordance with Stage IV/Tier 4f.
- \_ The use of high elasticity steel ensures the diminution of harmful emissions to the environment.
- \_ Stage II/Tier 2 or Stage IIIA/Tier 3 engines for non-regulated regions which do not belong to the EU.

## Toughness

- \_ Large sections made of high strength steel.
- \_ Critical resistant elements get a visual and a controlled testing inspection once welded.
- \_ A latest generation welding robot is used for welding.

## Weights

TUP 37-1200	Unladen	Laden
Front axle	30.8 t	84.6 t
Rear axle	23.8 t	7.0 t
Total	54.6 t	91.6t

TUP 42-1200	Unladen	Laden
Front axle	32.8 t	94.1 t
Rear axle	26.8 t	7.5 t
Total	59.6 t	101.6 t

## Tyres and wheels

	Front	Rear
Number	4	2
Dimensions	(18.00x25)/40PR	(18.00x25)/40PR

## Electronic control system

- \_ 3.5" transfective TFT master color display
- \_ Engine, transmission and satellite modules control
- \_ External GSM modem
- \_ Large internal memory for events and logging
- \_ Instantaneous display of warnings

## Transmission

Manufacturer	ZF
Model	4WG311

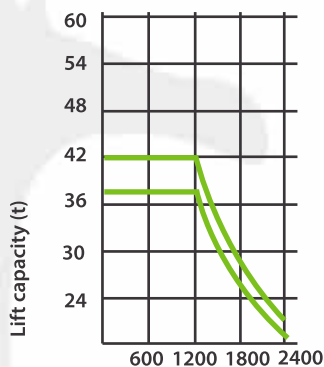
## Steering

Hydraulic

## Driving axle

Manufacturer	KESSLER
Model	D102PL341/528-NBL

## Load diagram



Distance to centre of load (mm)  
From the surface of the fork  
The lift capacity is with vertical mast

## Engine

Brand	CATERPILLAR	VOLVO
Model	C9.3	TAD 1171 VE
Power(ISO 3046/2534)	261 kw	265 kw
Torque	1596 N m 1400 rpm	1 739 N m 1 400 rpm
Speed	2200 rpm	2 200 rpm
Cylinders	6	6
Displacement	9300 cc	10 840 cc

## Speeds

	Unladen	Laden
Travel	25 km/h	22 km/h
Lifting	0.3 m/s	0.25 m/s
Lowering	0.3 m/s	0.35 m/s

## Brakes

Service brake	Wet disc break with oil bath. No maintenance is needed.
Parking brake	Disc brake, spring applied and hydraulic release

## Starter battery

Tension	2x12 V
Capacity	165 Ah

## Gradeability

Laden at continous operation	2 km/h	0 km/h
TUP 37-1200	21	28
TUP 42-1200	20	25

## Drawbar pull

	Maximum	Maximum 2 km laden
TUP 37-1200	260 kN	200 kN
TUP 42-1200	260 kN	200 kN

## Noise level

Cab	74 dB
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## Optional equipment

- \_ Automatic lubrication system.
- \_ Cameras system.
- \_ Tyre pressure control system.
- \_ Fire supression system
- \_ Fleet vehicle management (electronic control system)
- \_ Air-conditioner system



## MACHINERY RANGE

### Reach stackers

- \_ Loads from 10 to 90 t



### General load Lift Trucks

- \_ Light duty range from 8 to 15 t
- \_ Medium duty range from 16 to 25 t
- \_ Heavy duty range from 28 to 60 t



### Lift Trucks for containers

- \_ For laden containers from 32 to 50 t
- \_ For unladen containers from 3 to 8 heights
- \_ Containers standard handling
- \_ Containers longitudinal handling



### Spreaders

- \_ Telescopic from 20 to 45'
- \_ Fixed
- \_ Intermodal handling (Piggy- back)



UP LIFTING VERTICAL, S.A.

Ronda de la Industria, Parc 151, Pol. Sepes, 22006  
Huesca  
Tel. 974 229 832 Fax. 974 242 481  
uplifting@gaypu.com

[www.uplifting.es](http://www.uplifting.es)

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