

**UP**

**TUP 32-1200**

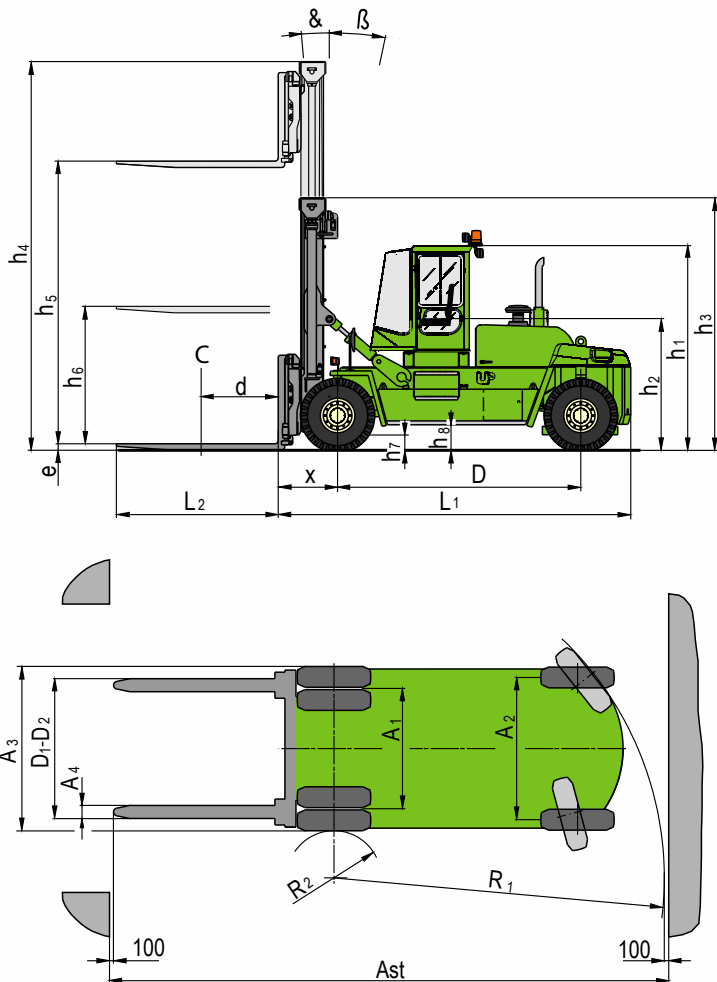
**TUP 35-1200**

Forklift for general loads  
32t, 35 t



# TUP 32-1200, TUP 35-1200

Forklift for general loads. 32 t, 35 t. 1200 mm load centre



## GROUND CLEARANCE

Under Lift-frame $H_7$	280
At centre of distances between axles $H_8$	460

## 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 accesibility
- \_ Joystick which controls mast and accesories.

## 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.

## Dimensions (mm)

OVERALL	TUP 32-1200	TUP 35-1200
Length $L_1$	7200	7200
Distance between axles $D$	5000	5000
Distance between wheels:		
_Centres of front axle $A_1$	2650	2650
_Centre of back axle $A_2$	2450	2450
Total width $A_3$	3655	3655
Truck height $h_1$	3860	3860
Seat height $h_2$	2590	2590
Height of cab at max. side shift	4080	4080
Width of cab at max. side shift	3750	3750
Distance of the load $x$	1275	1275
Load centre $d$	1200	1200

## MAST

Minimum height $h_3$	5100	5100
Maximum height $h_4$	7600	7600
Height lift duplex $h_5$	5000	5000
Height lift special duplex $h_6$	2500	2500
Tilt angle		
_Forwards &	5°	5°
_Backwards $\beta$	10°	10°

## FORKS

Thickness $e$	120	120
Width $A_4$	300	300
Length $L_2$	2400	2400
Max distance between forks $D_1$	2250	2250
Min distance between forks $D_2$	980	980
Maximum side-shift	500	500

## TURNING RADIUS

Outer $R_1$	6700
Inner $R_2$	700

## 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 32-1200	Unladen	Laden
Front axle	22.8 t	70.8 t
Rear axle	21.8 t	5.8 t
Total	44.6 t	76.6

TUP 35- 1200	Unladen	Laden
Front axle	23.8 t	76.4 t
Rear axle	24.4 t	6.8 t
Total	48.2 t	83.2 t

## Tyres and wheels

	Front	Rear
Number	4	2
Dimensions	(16.00x25)/32PR	(16.00x25)/32PR

## 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	3 WG 211

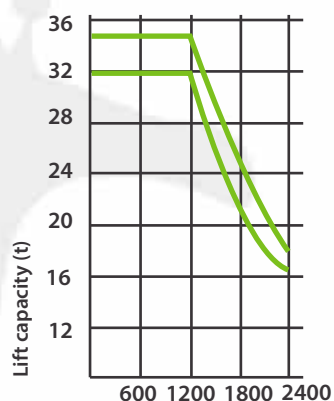
## Steering

Hydraulic

## Driving axle

Manufacturer	KESSLER
Model	D91PL408-NLB

## Load diagram



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

## Engine

Manufacturer	VOLVO
Model	TAD 871 VE
Power (ISO 3046/2534)	185 kw
Torque	1160 N m
	1000 - 1400 rpm
Speed	2200 rpm
Cylinders	6
Displacement	7,7 L

## Speeds

TUP 32-1200	Unladen	Laden
Travel	25 km/h	22 km/h
Lifting	0.30 m/s	0.23 m/s
Lowering	0.30 m/s	0.35 m/s

TUP 35-1200	Unladen	Laden
Travel	25 km/h	22 km/h
Lifting	0.30 m/s	0.25 m/s
Lowering	0.30 m/s	0.50 m/s

## Brakes

Service brake	Oil bath disc brake. No maintenance is needed
Parking brake	Disc brake. Spring applied and hydraulic released.

## Starter battery

Tension	2x12 V
Capacity	165 Ah

## Gradeability

Laden	2 km/h	0 km/h
TUP 32-1200	20	22
TUP 35-1200	18	29

## Drawbar pull

Maximum	250
Maximum 2 km laden	150

## Noise level

Cab	77 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
- \_ 1, 2 or 3 stage mast with/out free lifting.
- \_ Wide range of adjustable carriages for each feature
- \_ Integrated ram for coils, quick assembly or hydraulically rotating.
- \_ Forks for ISO container dimensions.
- \_ Quick assembly forks for spreaders.
- \_ 20' to 40' telescopic spreader



## 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)



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