

UP

TUP 60-1500

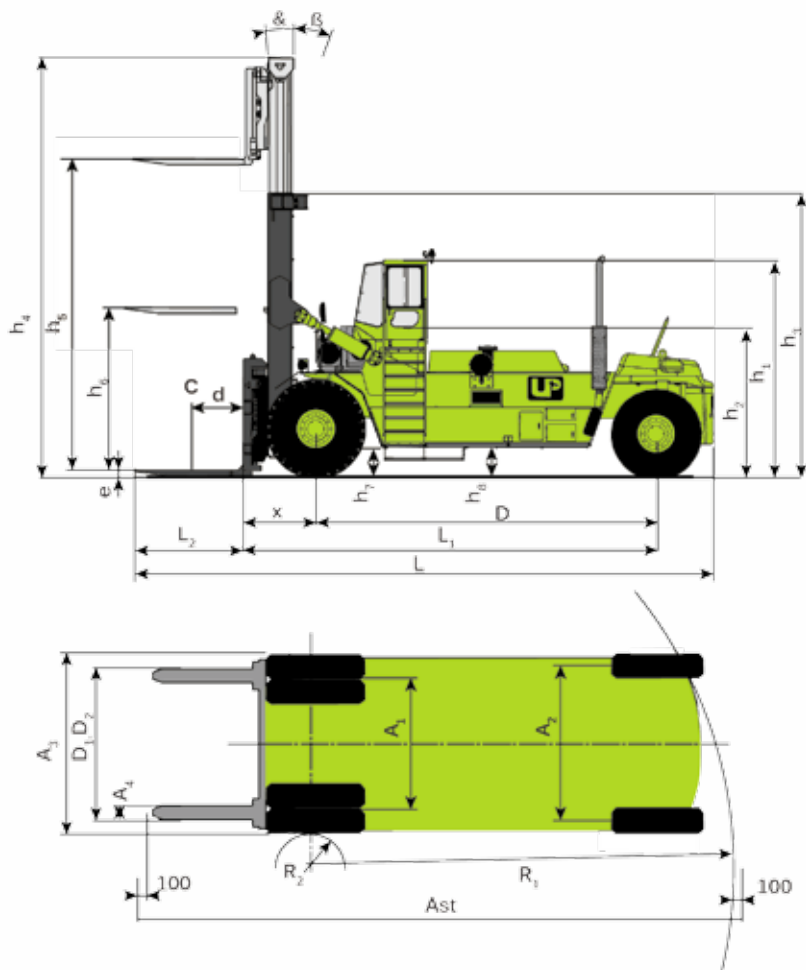
Forklift for general loads
60 tonnes



New ways to advance without pause, **step by step...**

TUP 60-1500

Forklift for general loads. 60 tonnes. 1500 mm load centre.



GROUND CLEARANCE

Under lift-frame h_7	300
At centro of distances between axles h_8	686

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

Total length L	11987
Length L_1	8500
Distance between axles D	7000
Distance between wheels:	
_Centres of front axle A_1	3250
_Centre of back axle A_2	2950
Total width A_3	4600
Truck height h_1	4690
Seat height h_2	3490
Load centre d	1500
Distance of the load x	1500

MAST

Minimum height h_3	6100
Maximum height h_4	8500
Height lift duplex h_5	5000
Height lift special duplex h_6	2500
Tilt angle	
_Forwards &	5°
_Backwards β	10°

FORKS

Thickness e	160
Width A_4	600
Length L_2	2400
Max distance between forks D_1	3220
Min distance between forks D_2	1540
Maximum side-shift	400

TURNING RADIUS

Outer R_1	9360
Inner R_2	1860

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

	Unladen	Laden
Front axle	41.8 t	127.3 t
Rear axle	35.8 t	10.3 t
Total	77.6 t	137.6 t

Tyres

	Front	Rear
Number	4	2
Dimensions	(21x35)/40PR	(18x33)/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

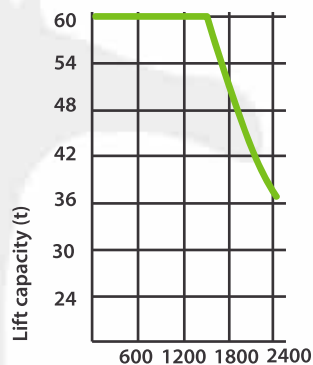
Driving axle

Manufacturer	KESSLER
Model	D111PL351 NBL

Noise level

Cab	74 dB
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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 1341-VE
Power (ISO 3046/2534)	285 kw
Torque	1965 N m 945 rpm
Speed	1900 rpm
Cylinders	6
Displacement	12.8 L

Speeds

	Unladen	Laden
Travel	25 km/h	20 km/h
Lift	0.25 m/s	0.22 m/s
Lowering	0.30 m/s	0.35 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

	2 km/h	0 km/h
Laden at continuous operation	20	25

Drawbar pull

Maximum	350 kN
Maximum 2 km laden	250 kN

Optional equipment

- _ Automatic lubrication system.
- _ Cameras system.
- _ Tyre pressure control system.
- _ Fire suppression 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)



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