

UP

TUP 42/50-CH

Forklift for laden containers



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Forklift for laden containers. 42/50 Containers Handling.

Dimensions (mm)

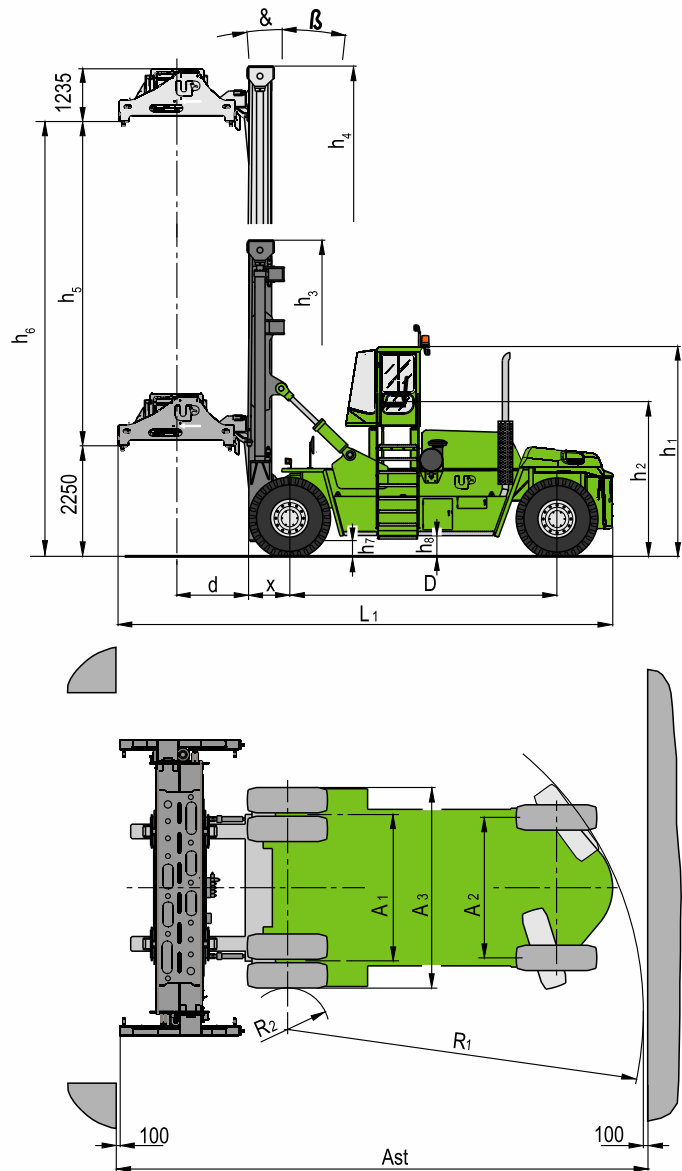
OVERALL	TUP 42-CH	TUP 50-CH
Rated capacity	36 000 kg	42 000 kg
Length L_1	10 020	10 900
Distance between axles D	5500	6000
Distance between wheels:		
_Centres of front axle A_1	3050	3050
_Centre of back axle A_2	2830	2900
Total width A_3	4235	4235
Truck height h_1	4170	4380
Seat height h_2	3075	3210
Distance of the load x	980	1200
Load centre d	1250	1250

MAST	TUP 42-CH	TUP 50-CH
Minimum height h_3	9 450	9 750
Maximum height h_4	15 900	16 200
Lift height h_5	12 900	12 900
Max.height under twistlocks h_6	15 150	15 150
Tilt angle		
_Forwards α	3°	3°
_Backwards β	6°	6°

STACKING AISLE (AST)	TUP 42-CH	TUP 50-CH
For containers of 20'	11 000	11 850
For containers of 40'	13 890	14 050

GROUND CLEARANCE	TUP 42-CH	TUP 50-CH
Under lift frame h_7	300	300
At centre of distance between axles h_8	500	500

TURNING RADIUS	TUP 42-CH	TUP 50-CH
Outer R_1	7360	7950
Inner R_2	850	1000



Cab

- _ Excellent visibility all around: ISO/DIS 13564-1
- _ Hydraulic reclination
- _ Operator's seat with air suspension
- _ Tinted safety glass
- _ Tilting steering column
- _ Sound proofing ISO/TS 3691 - 7:2011
- _ Accessibility
- _ Joystick to control spreader movements.

Safety

- _ Safety-glass is used in the whole machine.
- _ Functions control by electronic system.
- _ Safety 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 (t)

TUP 42-CH	Unladen			Laden		
	3	4	5	3	4	5
Heights						
Front axle	36.6	39.2	42.5	87.0	89.6	92.9
Rear axle	23.7	24.8	25.8	9.3	10.4	11.4
Total	60.3	64.0	68.3	96.3	100.0	104.3

TUP 50-CH	Unladen			Laden		
	3	4	5	3	4	5
Heights						
Front axle	37.5	41.5	44.5	96.3	100.3	103.3
Rear axle	29.3	30.3	30.8	12.5	13.5	14.4
Total	66.8	71.8	75.3	108.8	113.8	117.7

* Container 9' 6"

Tyres and wheels

TUP 42-CH	Front	Rear
Number	4	2
Dimensions	(18.00x25)/40PR	(18.00x25)/40PR

TUP 50-CH	Front	Rear
Number	4	2
Dimensions	(18.00x33)/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-NLB

Drawbar pull

	TUP 42-CH	TUP 50-CH
Maximum	260 kN	280 kN
Max 2 km laden	200 kN	200 kN

Noise level

Cabin 77 dB

Engine

Manufacturer	CATERPILLAR	VOLVO
Model	C9.3	TAD 1171 VE
Power (ISO 3046/2534)	261 kw	265 kw
Torque	1596 N m	1739 N m
	1400 rpm	1400 rpm
Speed	2200 rpm	2200 rpm
Cylinders	6	6
Displacement	9300 cc	10 840 cc

Speeds

	Unladen	Laden
Travel	25 km/h	22 km/h
Lifting	0.25m/s	0.22 m/s
Lowering	0.30 m/s	0.35 m/s

Brakes

Service brake	Wet disc brake with oil bath. No maintenance is needed.
Parking brake	Disc, Spring applied and hydraulic released

Starter battery

Tension	2x12 V
Capacity	165 Ah

Gradeability

Nominal 2 km/h laden	20
0 km/h laden	25

Spreader

_ Uplifting model	TSUP 245-C
_ Classification	DIN 15018, H2B4
_ Load capacity	45 t
_ Weight	7300 kg
_ Telescoped pieces	20-30-40-43-45 feet
_ Twistlocks	ISO oscillating
_ Frontal shift	250 mm
_ Side-shift	+/-250 mm
_ Transversal oscillation	4°
_ Telescoping time 20-45'	14 seconds

Optional equipment

- _ Automatic lubrication system
- _ Camera system
- _ Tyre pressure monitor
- _ Fire suppression system
- _ Air-conditioner
- _ Vehicle fleets management (electronic control 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

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