

UP

TUP 5/6-ECL

Forklift for containers

Longitudinal load



TUP 5/6-ECL

Forklift for empty containers. 5/6 containers. Longitudinal load. Rated capacity 6 t.

Dimensions (mm)

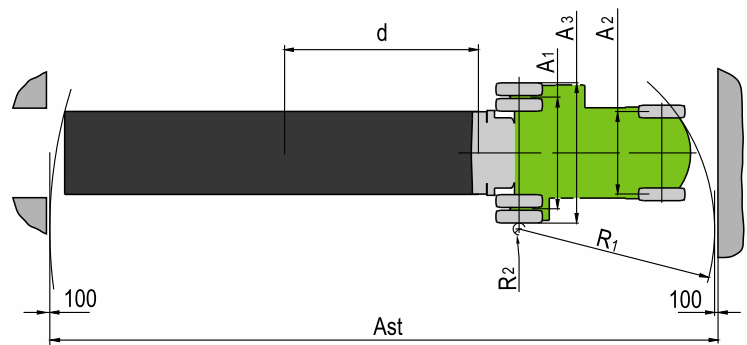
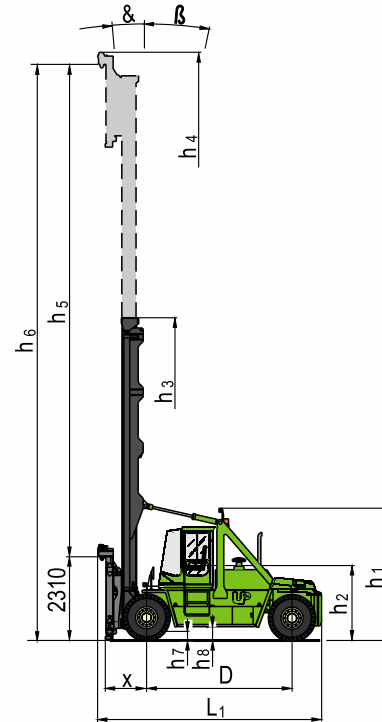
OVERALL	TUP 5-ECL	TUP 6-ECL
Length L_1	7015	7015
Distance between axles D	5000	5000
Distance between wheels:		
_Centres of front axle A_1	3260	3260
_Centre of back axle A_2	2400	2470
Total width A_3	4110	4110
Truck height h_1	4400	4400
Seat height h_2	2690	2690
Distance of the load x	1230	1230
Load centre d	6000	6000

MAST	TUP 5-ECL	TUP 6-ECL
Minimum height h_3	9000	10 400
Maximum height h_4	15 990	18 800
Height lift duplex h_5	13 950	16 750
Max.height under twistlocks h_6	16 280	19 100
Tilt angle		
_Forwards α	3°	3°
_Backwards β	6°	6°

STACKING AISLE (AST)	TUP 5-ECL	TUP 6-ECL
For containers of 20'	13 855	13 855
For containers of 40'	19 605	19 605

GROUND CLEARANCE	TUP 5-ECL	TUP 6-ECL
Under lift frame h_7	280	280
At centre of distance between axles h_8	400	400

TURNING RADIUS	TUP 5-ECL	TUP 6-ECL
Outer R_1	6400	6400
Inner R_2	170	170



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

TUP 5-ECL	Unladen	Laden
Front axle	22.3 t	38.0 t
Rear axle	16.9 t	7.2 t
Total	39.2 t	45.2 t

TUP 6-ECL	Unladen	Laden
Front axle	23.3 t	39.0 t
Rear axle	16.9 t	7.2 t
Total	40.2 t	46.2 t

Speeds

TUP 5-ECL	Unladen	Laden
Travel	28 km/h	25 km/h
Lift	0.69 m/s	0.55 m/s
Lowering	0.50 m/s	0.60 m/s

Engine

Manufacturer	CATERPILLAR	VOLVO
Model	C7.1	TAD 871 VE
Power (ISO 3046/2534)	168 kw	185 kw
Torque	1092 N m	1150 N m
	1400 rpm	1400 rpm
Speed	2200 rpm	2200 rpm
Cylinders	6	6
Displacement	7010 cc	7700 cc

TUP 6-ECL	Unladen	Laden
Travel	28 km/h	25 km/h
Lift	0.65 m/s	0.60 m/s
Lowering	0.65 m/s	0.70 m/s

Tyres and wheels

	Front	Rear
Number	4	2
Dimensions	(14.00x24)/28PR	(14.00x24)/28PR

Brakes

Service brake	Wet disc brake
Parking brake	Disc, Spring applied and hydraulic released

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

Starter battery

Tension Capacity	2x12 V
	165 Ah

Transmission

Manufacturer	ZF
Model	3WG211

Gradeability

Nominal 2 km/h laden	25
0 km/h laden	28

Steering

Hydraulic

Spreader

- _ Uplifting model FSEUP 8-A
- _ Classification DIN 15018, H2B4
- _ Rated capacity 6 t
- _ Weight 1500 kg
- _ Fixed 8 feet
- _ Twistlocks ISO oscillating
- _ Side-shift +/- 250 mm
- _ Hydraulic height control

Driving axle

Manufacturer	KESSLER
Model	D81PL488-NLB

Optional equipment

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

Drawbar pull

Maximum	146 kN
Maximum 2 km laden	121 kN

Noise level

Cabin	77 dB
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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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