

DCG150-6 | Volvo TAD-582-VE (160 kW) EU5 / T4F + ZF 3WG-171 (3+3) | Duplex, clear view, free lift - LH 4000
Lifting data

DCG150-6	
Lifting capacity, rated (kg)	15000
Lifting speed L4, unloaded – at 70% of rated load (m/s)	0,40 - 0,35
Lowering speed L4, unloaded – at rated load (m/s)	0,30 - 0,40

Driving data

Travelling speed forward, unloaded – at rated load (km/h)	30 - 27
Travelling speed backward, unloaded – at rated load (km/h)	30 - 27
Gradeability max., unloaded – at rated load (%)	77 - 37
Gradeability at 2 km/h, unloaded – at rated load (%)	58 - 29
Drawbar pull, max. (kN)	119

Weight of truck

Service weight (kg)	19700
Axle load front, unloaded – at rated load (kg)	10200 - 32500
Axle load rear, unloaded – at rated load (kg)	9500 - 2200

Engine

Manufacturer / model	Volvo / TAD-582-VE
Fuel / type of engine	Diesel / 4 stroke
Emission stage / approval	EU Stage V
Number of cylinders / displacement (liter)	4 / 5,100
Power rated @ revs, ISO 3046 (kW@rpm)	160 / 1700 - 2300
Torque max @ revs, ISO 3046 (Nm@rpm)	900 / 1200 - 1700
Alternator, type - power (W)	AC - 3080 (28V x 110A)
Starting battery, voltage - capacity (V – Ah)	2x12 - 145
Fuel consumption, normal driving (l/h)	7 - 9
DEF consumption, normal driving (% of diesel)	4 - 6

Transmission

Manufacturer / model	ZF / 3WG-171
Clutch, type	Torque converter
Gearbox, type	Hydrodynamic Powershift
Number of gears, forward - reverse	3 - 3
Driving axle, manufacturer / type	Kessler D81 / Differential and hub reduction

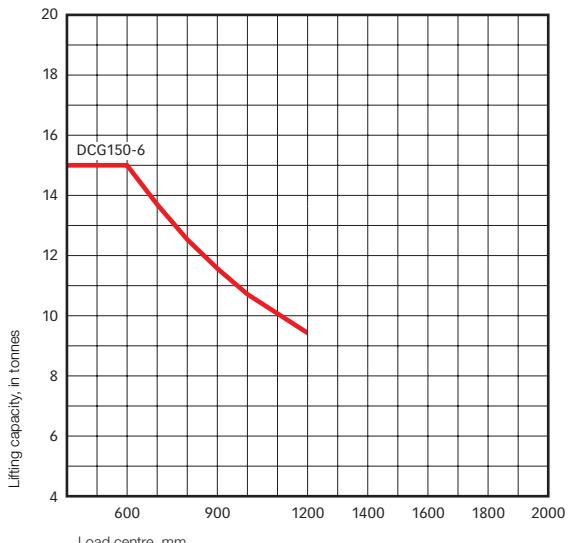
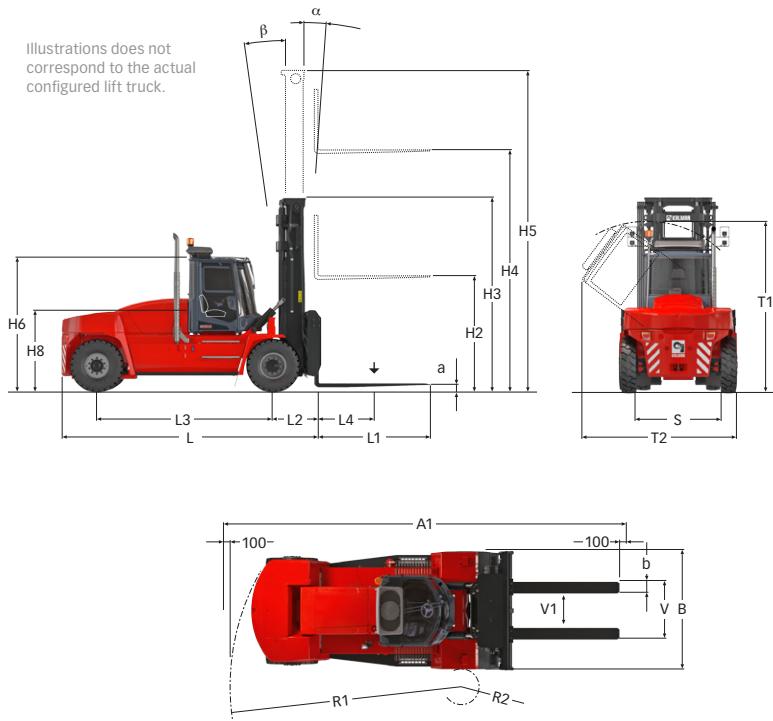
Wheels

Type	Pneumatic
Dimension, front – rear (inch)	12.00x20/20PR
Number of wheels, front – rear (*driven)	4* - 2
Pressure (MPa)	0,9

Miscellaneous

Steering system, type – maneuvering	Hydraulic servo - Steering wheel
Service brake system, type – affected wheels	Oil cooled disc brakes (Wet disc brakes) - Drive wheel
Parking brake system, type – affected wheels	Dry, spring activated disc brakes - Drive wheel
Max. hydraulic pressure (MPa)	16,5
Noise level EN12053 with ECO modes - equivalent inside cabin LpAZ (dB(A))	71
Noise level EN12053 with ECO-modes - equivalent outside cabin LwAZ (dB(A))	109
AdBlue volume (l)	15
Hydraulic oil volume (l)	220

Illustrations does not correspond to the actual configured lift truck.



DCG90-6 to DCG180-6 models:
Full lifting capacity up to 5000 mm lift height with duplex/duplex
freelift/triplex masts and integrated sideshift/fork positioning carriage.

Dimensions

Length of truck (mm)	L	5055
Width of truck (mm)	B	2540
Height of basic machine (mm)	H6	2920
Height of seat (mm)	H8	1770
Distance between centre of front axle – front face of fork arm (mm)	L2	980
Wheelbase (mm)	L3	3250
Load centre (mm)	L4	600
Track (c-c), front – rear (mm)	S	1855 - 1960
Turning radius, outer – inner (mm)	R1-R2	4360 - 125
Ground clearance, min. (mm)		250
Max. height when tilting cab (mm)	T1	3395
Max. width when tilting cab (mm)	T2	3380
Min. aisle for 90° stacking with forks (mm)	A1	6735
Lifting height (mm)	H4	4000
Mast height, min. (mm)	H3	3695
Mast height, max. (mm)	H5	5695
Free lift (mm)		2000
Tilting of mast, forward - backward (°)	α-β	5 - 10
Fork width (mm)	b	200
Fork thickness (mm)	a	80
Length of forkarm (mm)	I	1200
Width across fork arms, max. - min. (mm)	V	2360 - 600
Sideshift ± at width of across fork arms (mm)	V1-V	440 - 1480

The design and materials specification are subject to alteration without prior notice.
Tolerances according to K-standard 95430.0008/0009

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