

DCG120-12 | Volvo TAD-582-VE (160 kW) EU5 / T4F + ZF 3WG-171 (3+3) | Duplex, clear view, standard - LH 5000
Lifting data

DCG120-12	
Lifting capacity, rated (kg)	12000
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 - 28
Travelling speed backward, unloaded – at rated load (km/h)	30 - 28
Gradeability max., unloaded – at rated load (%)	74 - 40
Gradeability at 2 km/h, unloaded – at rated load (%)	56 - 32
Drawbar pull, max. (kN)	119

Weight of truck

Service weight (kg)	20300
Axle load front, unloaded – at rated load (kg)	10700 - 30200
Axle load rear, unloaded – at rated load (kg)	9600 - 2100

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

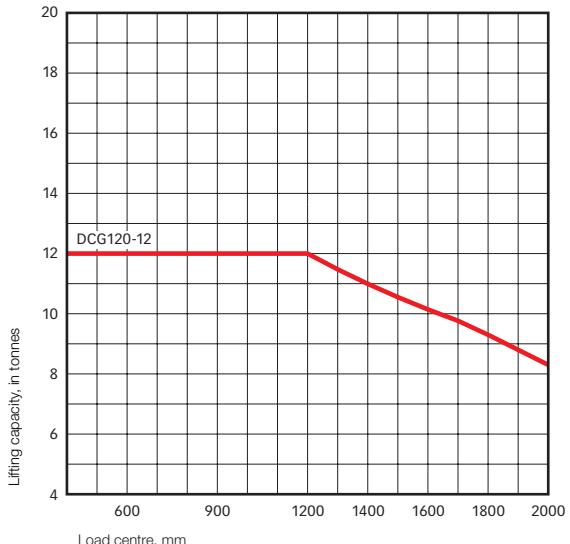
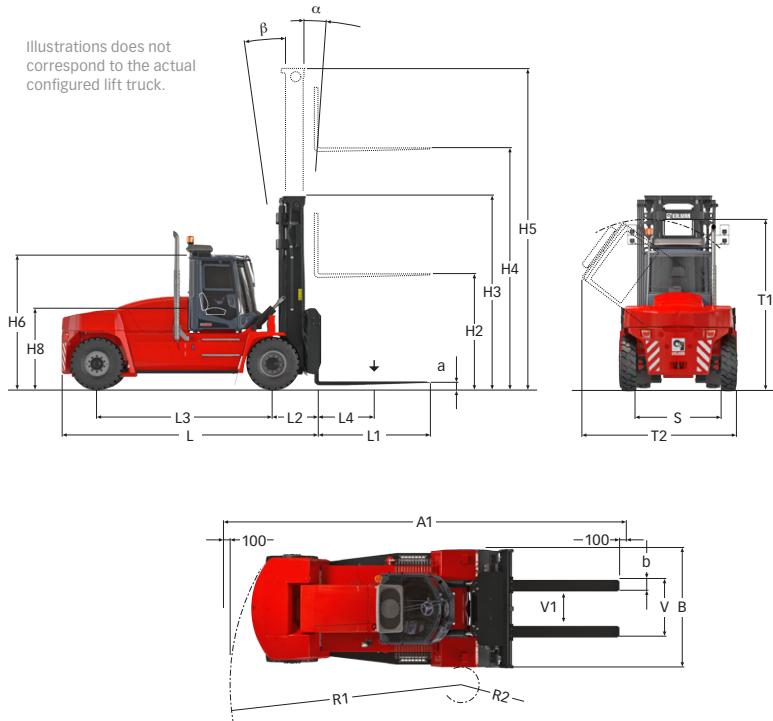
Wheels

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)	15,0
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	5315
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	990
Wheelbase (mm)	L3	3500
Load centre (mm)	L4	1200
Track (c-c), front – rear (mm)	S	1855 - 1960
Turning radius, outer – inner (mm)	R1-R2	4785 - 420
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	8370
Lifting height (mm)	H4	5000
Mast height, min. (mm)	H3	4195
Mast height, max. (mm)	H5	6695
Tilting of mast, forward - backward (°)	α-β	5 - 10
Fork width (mm)	b	220
Fork thickness (mm)	a	90
Length of forkarm (mm)	I	2400
Width across fork arms, max. - min. (mm)	V	2360 - 640
Sideshift ± at width of across fork arms (mm)	V1-V	430 - 1500

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

Kalmar (Nasdaq Helsinki: KALMAR) is moving goods in critical supply chains around the world, with the vision to be the forerunner in sustainable material handling equipment and services. The company offers a wide range of industry shaping heavy material handling equipment and services to ports and terminals, distribution centres, manufacturing and heavy logistics. Headquartered in Helsinki, Finland, Kalmar operates globally in over 120 countries and employs approximately 5,000 people. In 2023, the company's sales on a carve-out basis totalled approximately EUR 2,0 billion.
www.kalmarglobal.com



Kalmar Solutions AB
Movägen 1
SE-341 32, Ljungby, Sweden
tel. +46 372 260 00
www.kalmarglobal.com