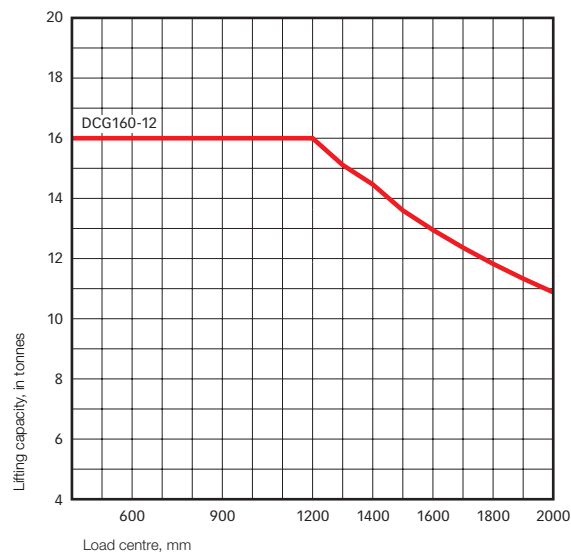
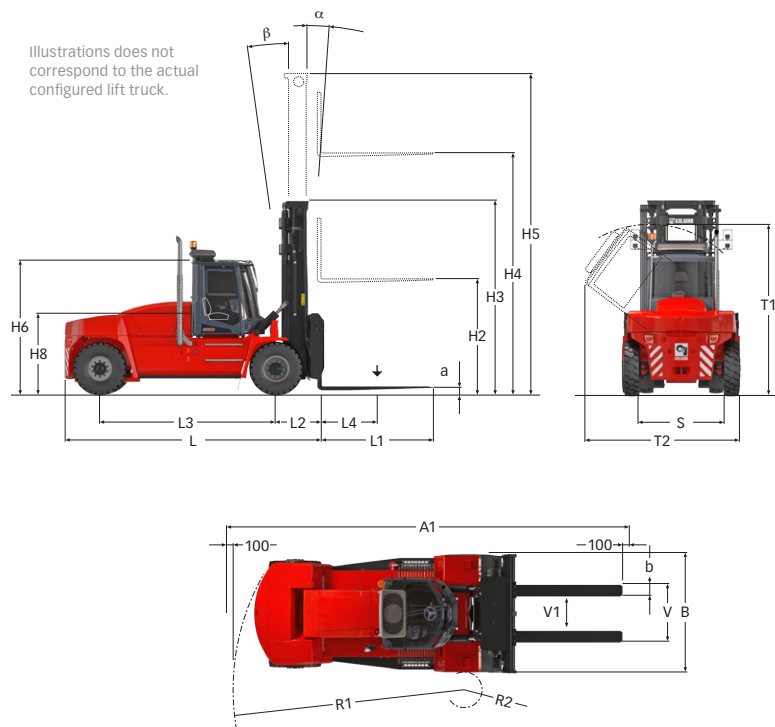


DCG160-12 | Volvo TAD-582-VE (160 kW) EU5 / T4F + ZF 3WG-171 (3+3) | Duplex, clear view, standard - LH 4000

Lifting data		DCG160-12
Lifting capacity, rated (kg)		16000
Lifting speed, unloaded – at 70% of rated load (m/s)		0,40 - 0,35
Lowering speed, 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 (%)		61 - 32
Gradeability at 2 km/h, unloaded – at rated load (%)		47 - 26
Drawbar pull, max. (kN)		119
Weight of truck		
Service weight (kg)		22700
Axle load front, unloaded – at rated load (kg)		10750 - 36150
Axle load rear, unloaded – at rated load (kg)		11950 - 2550
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)		1,0
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)		20
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	5575
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	1000
Wheelbase (mm)	L3	3750
Load centre (mm)	L4	1200
Track (c-c), front – rear (mm)	S	1855 - 1960
Turning radius, outer – inner (mm)	R1-R2	5175 - 600
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)	H4	8770
Lifting height (mm)	H4	4000
Mast height, min. (mm)	H3	3695
Mast height, max. (mm)	H5	5695
Tilting of mast, forward - backward (°)	α - β	5 - 10
Fork width (mm)	b	250
Fork thickness (mm)	a	100
Length of forkarm (mm)	l	2400
Width across fork arms, max. - min. (mm)	V	2360 - 700
Sideshift $\pm$ at width of across fork arms (mm)	V1-V	415 - 1530

The design and materials specification are subject to alternation 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.
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