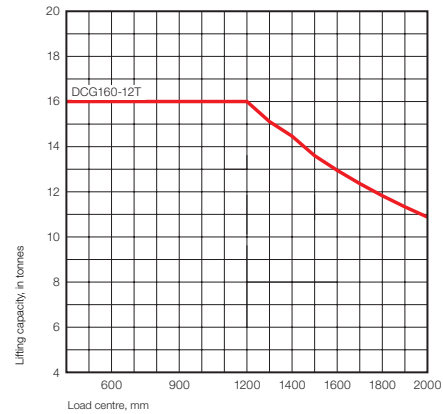
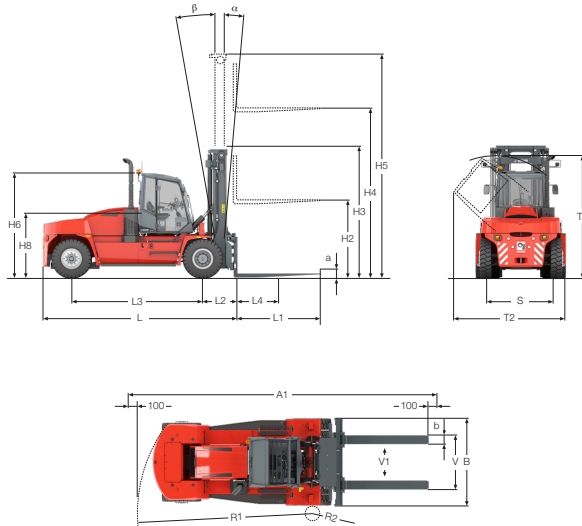


## DCG160-12 FORKLIFT

### 16.0T DIESEL HEAVY DUTY FORKLIFT



#### Dimensions

Length of truck (mm)	L	5575
Width of truck (mm)	B	2540
Height of basic machine (mm)	H6	2985
Height of seat (mm)	H8	1770
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)		350
Max. height when tilting cab (mm)	T1	3220
Max. width when tilting cab (mm)	T2	3500
Min. aisle for 90° stacking with forks (mm)	A1	8770
Lifting height (mm)	H4	4500
Mast height, min. (mm)	H3	3945
Mast height, max. (mm)	H5	6195
Tilting of mast, forward - backward (°)	$\alpha$ - $\beta$	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 offers the widest range of cargo handling solutions and services to ports, terminals, distribution centres and to heavy industry. Kalmar is the industry forerunner in terminal automation and in energy efficient container handling, with one in four container movements around the globe being handled by a Kalmar solution. Through its extensive product portfolio, global service network and ability to enable a seamless integration of different terminal processes, Kalmar improves the efficiency of every move. [www.kalmarglobal.com](http://www.kalmarglobal.com)

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2021.06.17

# DCG160-12 FORKLIFT

## 16.0T DIESEL HEAVY DUTY FORKLIFT



DCG160-12T | Cummins QSB4,5 (119 kW) ZF 3WG-161 | Duplex, clear view, standard - LH 4500

Lifting data	DCG160-12T
Lifting capacity, rated (kg)	16000
Lifting speed L4, unloaded – at 70% of rated load (m/s)	0,35 - 0,30
Lowering speed L4, unloaded – at rated load (m/s)	0,40 - 0,40
<b>Driving data</b>	
Travelling speed forward, unloaded – at rated load (km/h)	30 - 26
Travelling speed backward, unloaded – at rated load (km/h)	30 - 26
Gradeability max., unloaded – at rated load (%)	45 - 25
Gradeability at 2 km/h, unloaded – at rated load (%)	37 - 21
Drawbar pull, max. (kN)	94
<b>Weight of truck</b>	
Service weight (kg)	22900
Axle load front, unloaded – at rated load (kg)	11000 - 36350
Axle load rear, unloaded – at rated load (kg)	11900 - 2550
<b>Engine</b>	
Manufacturer / model	Cummins / QSB4,5 (Turbo-Intercooler)
Fuel / type of engine	Diesel / 4 stroke
Emission stage / approval	EU Stage III / EPA Tier 3
Number of cylinders / displacement (l)	4 / 4,457
Power rated @ revs, ISO 3046 (kW / rpm)	119 / 2200
Torque max @ revs, ISO 3046 (Nm / rpm)	624 / 1500
Alternator, type - power (W)	AC / 1960
Starting battery, voltage - capacity (V – Ah)	2x12 / 145
Fuel consumption, normal driving (l/h)	7-9
AdBlue consumption, normal driving (% of diesel)	N/A
<b>Transmission</b>	
Manufacturer / model	ZF / 3WG-161
Clutch, type	Torque converter
Gearbox, type	Hydrodynamic Powershift
Number of gears, forward - reverse	3 - 3
Driving axle, manufacturer / type	Kessler D61/D81 / Differential and hub reduction
<b>Wheels</b>	
Type	Pneumatic
Dimension, front – rear (inch)	12.00x20/20PR
Number of wheels, front – rear (*driven)	4* - 2
Pressure (MPa)	1,0
<b>Miscellaneous</b>	
Steering system, type – maneuvering	Servo assisted - Steering wheel
Service brake system, type – affected wheels	Wet disc brakes - Drive wheel
Parking brake system, type – affected wheels	Spring brake - Drive wheel
Max. hydraulic pressure (MPa)	18,0
Noise level EN12053 with ECO modes - equivalent inside cabin LpAZ (dB(A))	76
Noise level EN12053 with ECO-modes - equivalent outside cabin LwAZ (dB(A))	108
Fuel volume (l)	170
Hydraulic oil volume (l)	220