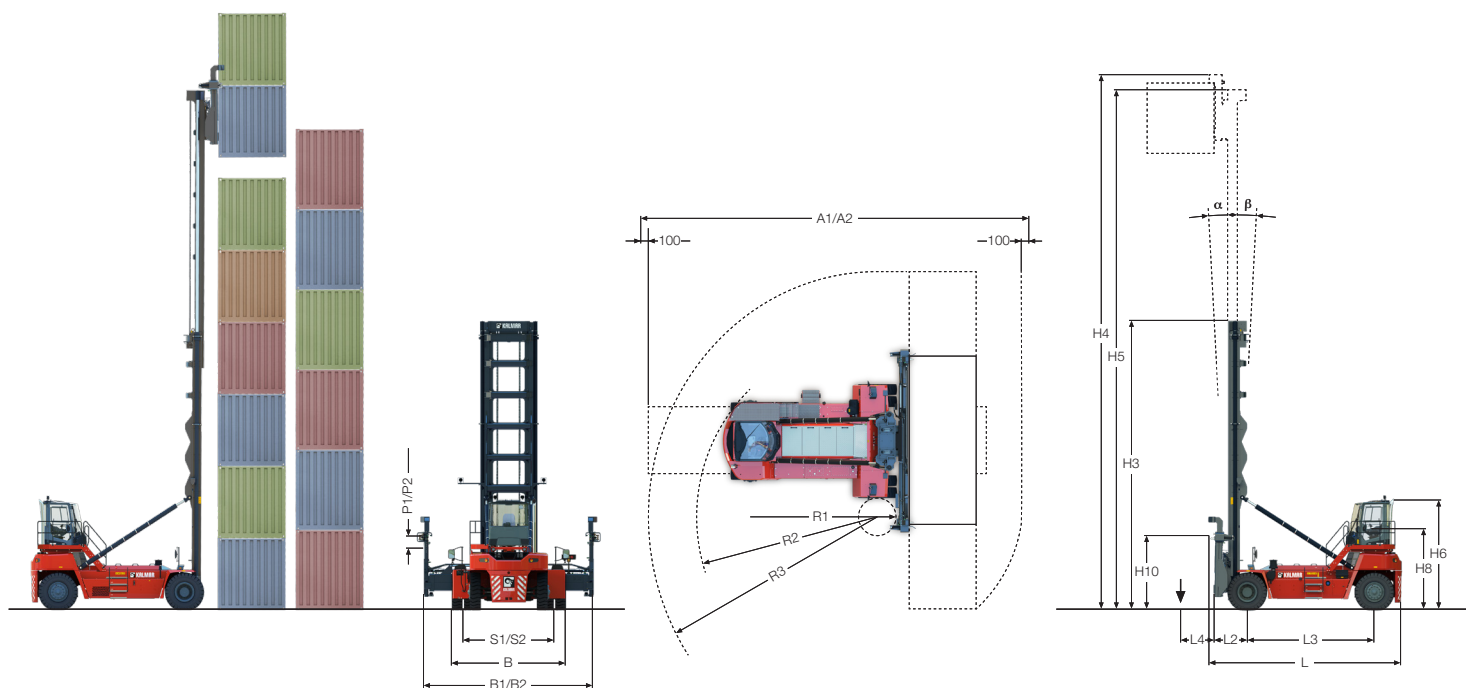


**DCG100-45 ED7/6 HPS | Volvo TAD-871-VE (185 kW) / Dana LTE-14400-LU | Duplex, clear view, standard - ED7/6**

<b>Lifting data</b>		<b>DCG100-45 ED7/6 HPS</b>
Lifting capacity, rated (kg)		10000
Lifting capacity, number of containers, 8'6" – 9'6"		7+1 - 6+1
Lifting speed L4, unloaded – at 70% of rated load (m/s)		0,65 - 0,60
Lowering speed L4, unloaded – at rated load (m/s)		0,55 - 0,60
<b>Driving data</b>		
Travelling speed forward, unloaded – at rated load (km/h)		25 - 25
Travelling speed backward, unloaded – at rated load (km/h)		25 - 25
Gradeability max., unloaded – at rated load (%)		37 - 30
Gradeability at 2 km/h, unloaded – at rated load (%)		33 - 27
Drawbar pull, max. (kN)		150
<b>Weight of truck</b>		
Service weight (kg)		43000
Axle load front, unloaded – at rated load (kg)		27900 - 43400
Axle load rear, unloaded (kg)		Axle load rear, unloaded (kg)
Axle load rear, at rated load (kg), retracted - extended		Axle load rear, at rated load (kg), retracted - extended
Axle load rear, unloaded – at rated load (kg)		15100 - 9600
<b>Engine</b>		
Manufacturer / model		Volvo / TAD-871-VE
Fuel / type of engine		Diesel / 4 stroke
Emission stage / approval		EU Stage IV / EPA Tier 4 Final
Number of cylinders / displacement (l)		6-inline / 7,7
Power rated @ revs, ISO 3046 (kW / rpm)		185 / 1600-2200
Torque max @ revs, ISO 3046 (Nm / rpm)		1160 / 1100-1600
Alternator, type - power (W)		AC - 3640
Starting battery, voltage - capacity (V – Ah)		2×12 - 135-145
Fuel consumption, normal driving (l/h)		5-15
AdBlue consumption, normal driving (% of diesel)		1-5
<b>Transmission</b>		
Manufacturer / model		Dana / LTE-14400-LU
Clutch, type		Torque converter
Gearbox, type		Automatic Powershift
Number of gears, forward - reverse		4 - 4
Driving axle, manufacturer / type		Kessler D91 / Differential and hub reduction
<b>Wheels</b>		
Type		Pneumatic / Diagonal / E4
Dimension, front – rear (inch)		14.00×24 – 14.00×24
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)		23,0
Noise level EN12053 with ECO modes - equivalent inside cabin LpAZ (dB(A))		63 - 66
Noise level EN12053 with ECO-modes - equivalent outside cabin LwAZ (dB(A))		104 - 108
Fuel volume (l)		380
AdBlue volume (l)		15
Hydraulic oil volume (l)		320



## Dimensions

Length of truck (mm)	L	6950
Distance front axle – front edge of attachment (mm)	L2	1260
Wheelbase (mm)	L3	4550
Load centre (mm)	L4	1220
Height of basic machine (mm)	H6	4000
Height of seat (mm)	H8	2860
Height under hooks	H10	2300
Lifting height (mm)	H4	18800
Mast height, min. (mm)	H3	10350
Mast height, max. (mm)	H5	18600
Tilting of mast, forward - backward (°)	$\alpha$ - $\beta$	3 - 3
Width of truck (mm)	B	4600
Width over attachment, min-max (mm)	B1-B2	6615 - 12750
Track (c-c), front – rear (mm)	S1-S2	3870 - 2400
Turning radius, inner / outer 20ft / outer 40ft (mm)	R1-R2-R3	1250 / 7000 / 9700
Min. aisle width for 90° stacking, 20ft container - 40ft container (mm)	A1-A2	10850 - 14350
Ground clearance, min. (mm)	G	300
Sideshift (mm)	V1	±600
Mechanic Pile Slope (MPS), side tilt levelling in end-beams (mm)	P1	0 - 250
Hydraulic Pile Slope* (HPS + MPS), end-beams and 2 tilt cylinders (° / mm)	P1/P2	±5
Telescopic spreader end stops (ft)	B3-B4	20 / 40

*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)

Kalmar is part of Cargotec. Cargotec's sales in 2018 totalled approximately EUR 3.3 billion and it employs around 12.000 people. [www.cargotec.com](http://www.cargotec.com)



Cargotec Sweden AB  
Movägen 1  
SE-341 32, Ljungby, Sweden  
tel. +46 372 260 00  
[www.kalmarglobal.com](http://www.kalmarglobal.com)