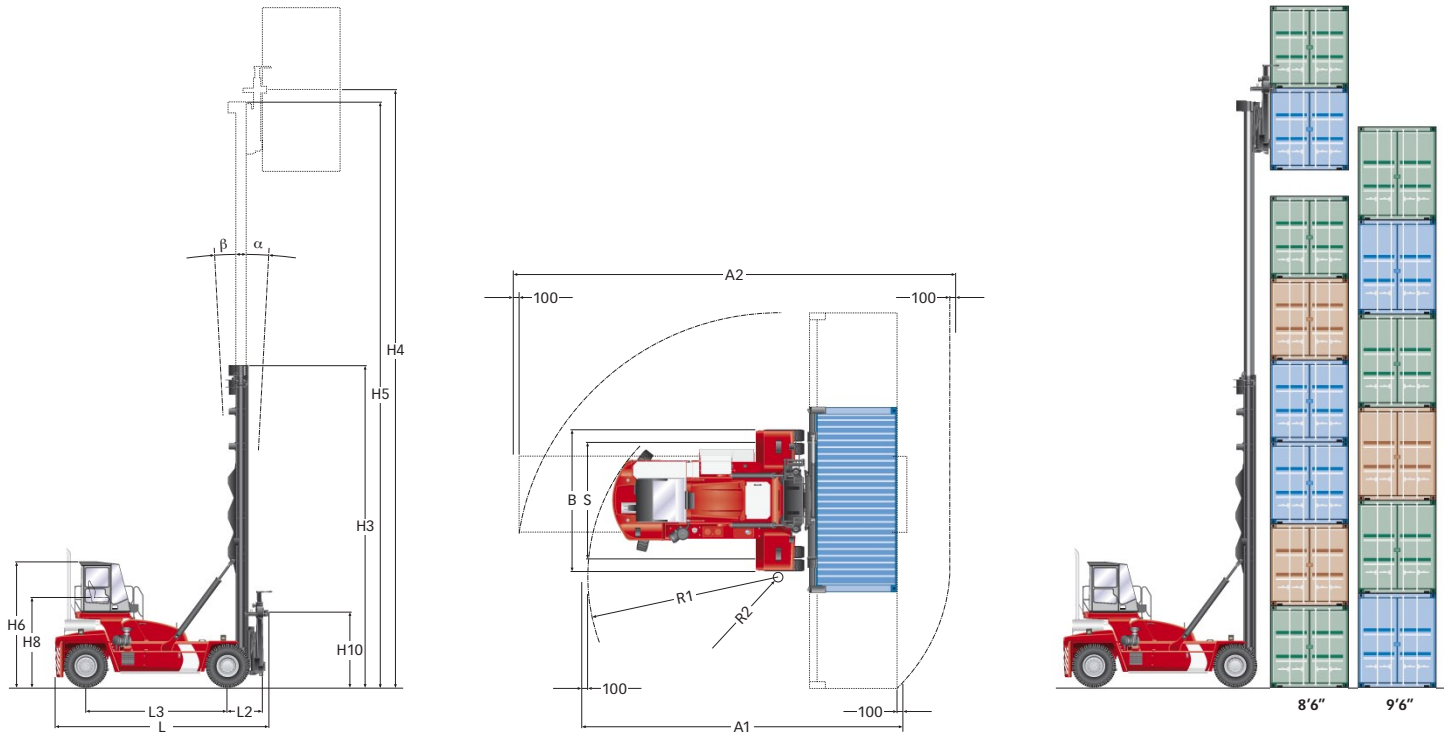


DCF100-45 E7 | Volvo TAD-871-VE (185kW) / DANA TE-17 | Duplex, clear view, standard - E7

Lifting data	DCF100-45 E7
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 - 0,45
Lowering speed L4, unloaded – at rated load (m/s)	0,55 - 0,60
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 (%)	30 - 23
Gradeability at 2 km/h, unloaded – at rated load (%)	24 - 19
Drawbar pull, max. (kN)	150
Weight of truck	
Service weight (kg)	42800
Axle load front, unloaded – at rated load (kg)	27900 - 43300
Axle load rear, unloaded – at rated load (kg)	14900 - 9500
Engine	
Manufacturer / model	Volvo / TAD-871-VE
Fuel / type of engine	Diesel / 4-stroke / EU 4
Number of cylinders - engine volume (dm ³)	6-inline – 7700
Power nominal / max, according to ISO-3046 – at revs (kW / rpm)	185 @ 1600 - 2200
Torque max, according to ISO-3046 – at revs (Nm / rpm)	1160 @ 1100 - 1500
Alternator, type - power (W)	AC, 3600 (28 / 130)
Starting battery, voltage - capacity (V – Ah)	2×12 – 135-145
Fuel consumption, normal driving (l/h)	8 - 15
AdBlue consumption, normal driving (% of diesel)	1 - 5
Transmission	
Manufacturer / model	Dana / TE-17300
Clutch, type	Torque converter
Gearbox, type	Automatic Powershift
Number of gears, forward - reverse	3 - 3
Driving axle, manufacturer / type	Kessler D91-HD wide axle, differential and hub reduction
Wheels	
Type	Pneumatic / Tubeless
Dimension, front – rear (inch)	14.00×24 – 14.00×24, PR28, E4
Number of wheels, front – rear (*driven)	4* - 2
Pressure (MPa)	1,0
Miscellaneous	
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)	22,5
Fuel volume (l)	380
AdBlue volume (l)	20
Hydraulic oil volume (l)	320



Dimensions

Length of truck (mm)	L	6900
Width of truck (mm)	B	4600
Height of basic machine (mm)	H6	4000
Height of seat (mm)	H8	2900
Distance front axle – front edge of attachment (mm)	L2	1240
Wheelbase (mm)	L3	4550
Load centre (mm)	L4	1220
Track (c-c), front – rear (mm)	S	3750 - 2200
Turning radius, outer – inner (mm)	R1-R2	7000 - 1250
Ground clearance, min. (mm)		300
Min. aisle width for 90° stacking with 20' container (mm)	A1	10850
Min. aisle width for 90° stacking with 40' container (mm)	A2	14350
Lifting height (mm)	H4	18800
Mast height, min. (mm)	H3	10350
Mast height, max. (mm)	H5	18600
Tilting of mast, forward - backward (°)	α - β	3 - 3
Width over attachment (mm)	b	6065 - 12200
Height under hooks	H10	2300
Sideshift (mm)	V1	\pm 600
Levelling (°)		\pm 5

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

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