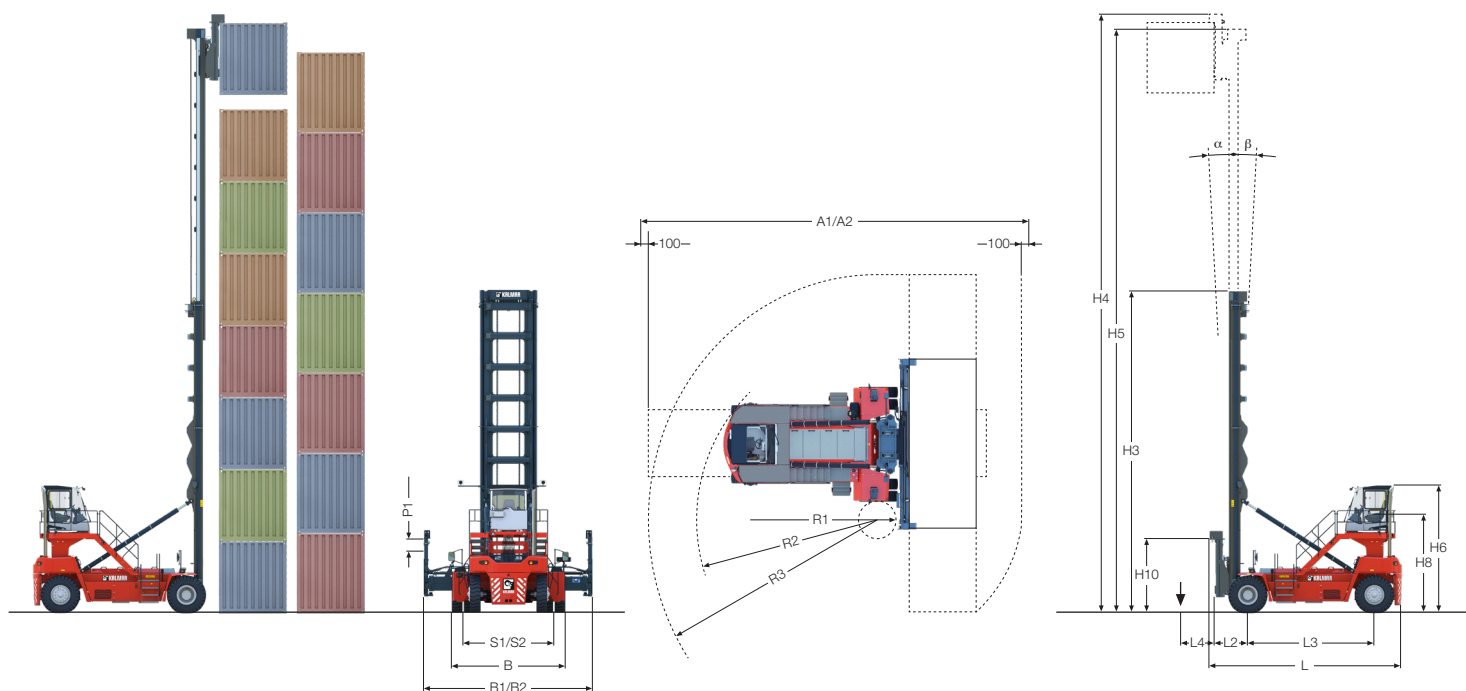


DCU80-45 ES8/7 MPS | Volvo TAD-850-VE | Duplex, clear view, standard - ES8/7

Lifting data	DCU80-45 ES8/7 MPS
Lifting capacity, rated (kg)	8000
Lifting capacity, number of containers, 8'6" – 9'6"	8 / 7
Lifting speed, unloaded – at 70% of rated load (m/s)	0,55 - 0,50
Lowering speed, unloaded – at rated load (m/s)	0,50 - 0,60
Driving data	
Travelling speed forward, unloaded – at rated load (km/h)	24 - 24
Travelling speed backward, unloaded – at rated load (km/h)	22 - 22
Gradeability max., unloaded – at rated load (%)	29 - 22
Gradeability at 2 km/h, unloaded – at rated load (%)	24 - 19
Drawbar pull, max. (kN)	140
Weight of truck	
Service weight (kg)	38300
Axle load front, unloaded – at rated load (kg)	26400 - 38600
Axle load rear, unloaded – at rated load (kg)	11900 - 7600
Engine	
Manufacturer - type designation	Volvo / TAD-850-VE
Fuel - type of engine	Diesel / 4-stroke / Turbo
Emission stage / approval	EU stage 3A / EPA Tier 3
Number of cylinders – displacement (cm ³)	6-inline – 7,700
Power according to ISO 3046 – at revs (kW – rpm)	160 / 1500-2100
Torque according to ISO 3046 – at revs (Nm – rpm)	1060 / 1000-1500
Alternator, power (V/A)	AC, 3640 (28 × 130)
Starting battery, voltage – capacity (V – Ah)	2×12 - 135-145
Fuel consumption, normal driving (l/h)	5 - 15
Transmission	
Manufacturer - type designation	Dana / TE-14300
Clutch, type	Torque converter
Gearbox, type	Automatic Powershift
Number of gears, forward – reverse	3 - 3
Driving axle, manufacturer – type	Kessler D81-ND wide axle, differential and hub red
Wheels	
Type	Pneumatic / Diagonal / E4
Dimension, front – rear (inch)	12.00×24 - 12.00×24
Rim dimension, front – rear (inch)	8.50×24 - 8.50×24
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)	19,0
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
Hydraulic oil volume (l)	320



Dimensions

Length of truck (mm)	L	6900
Wheelbase (mm)	L3	4550
Load centre (mm)	L4	1220
Height of basic machine (mm)	H6	4540
Height of seat (mm)	H8	3400
Lifting height (mm)	H4	21200
Mast height, min. (mm)	H3	11540
Mast height, max. (mm)	H5	21040
Tilting of mast, forward - backward (°)	α - β	3 - 3
Width of truck (mm)	B	4050
Width over attachment, min-max (mm)	B1-B2	6085 - 12220
Track (c-c), front - rear (mm)	S1-S2	3270 - 2450
Turning radius, inner / outer 20ft / outer 40ft (mm)	R1-R2-R3	1150 / 6750 / 9350
Min. aisle width for 90° stacking, 20ft container - 40ft container (mm)	A1-A2	10600 - 14200
Ground clearance, min. (mm)	G	250
Sideshift (mm)	V1	±600
Mechanic Pile Slope (MPS), side tilt levelling in end-beams (mm)	P1	0 - 250
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 the 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

Kalmar is part of Cargotec. Cargotec's sales totalled approximately EUR 3,5 billion in 2016 and it employs over 11.000 people. Cargotec's class B shares are quoted on Nasdaq Helsinki Ltd under symbol CGCBV.
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