

Technical data

DCD80-45E7

Lifting data

Lifting capacity, rated - at max. lifting height	kg	8000-8000
Lifting speed, unloaded - at rated load	m/s	0,6-0,55
Lowering speed, unloaded - at rated load	m/s	0,6-0,6

Driving data

Travelling speed forward, unloaded - at rated load	km/h	27-26
Travelling speed backward, unloaded - at rated load	km/h	27-26
Gradeability at 2 km/h, unloaded - at rated load	%	29-23
Max. gradeability, unloaded - at rated load	%	33-26
Drawbar pull	kN	119
Stability according to EN 1726		

Weight of truck

Service weight	kg	35700
Axle load front, unloaded - at rated load	kg	23000-35400
Axle load rear, unloaded - at rated load	kg	12700-8300

Engine

Manufacturer - type designation		Volvo-TWD731VE
Fuel - type of engine		Diesel - 4 stroke
Power according to ISO 3046 - at speed	kW-r/min	167-2200
Torque according to ISO 3046 - at speed	Nm-r/min	893-1300-1450
Number of cylinders - compression		6-17,7:1
Alternator, type - power	W	AC-1540
Starting battery, voltage - capacity	V-Ah	2x12-140
Fuel consumption, normal driving	l/h	12-14

Transmission

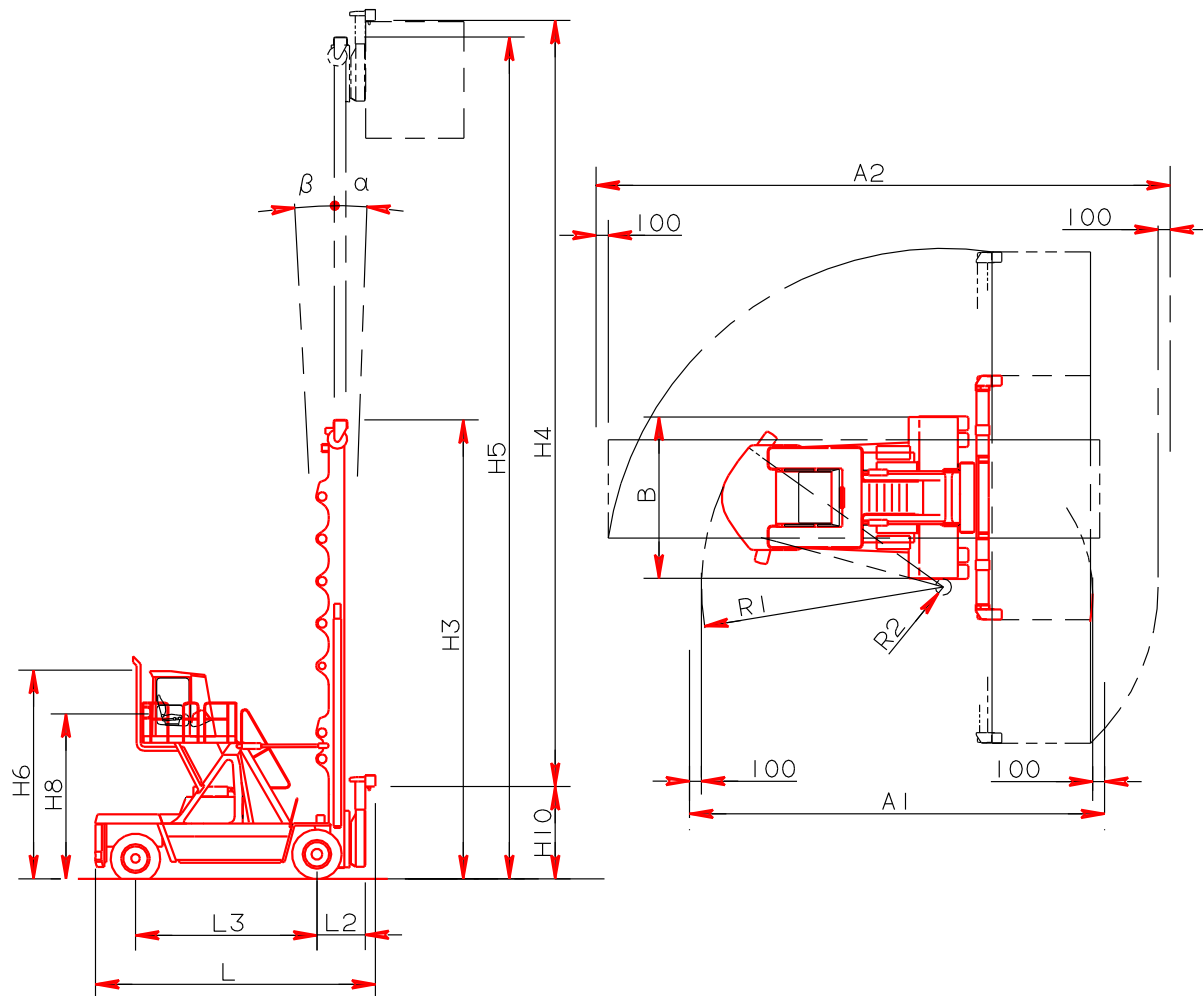
Manufacturer - type designation		Clark-13,7HR32000
Clutch, type		Torque converter
Gearbox, type		Powershift
Number of gears, forward - reverse		3-3
Driving axle, type		Differential and hub reduction

Wheels

Type, front - rear		Pneumatic
Dimension, front - rear		12.00x24-12.00x24
Number of wheels, front - rear (* driven)		4*-2
Pressure	MPa	0,9

Steering and brake system

Steering system - manoeuvring		Servo assisted - Steering wheel
Driving brake system, type - affected wheels		Wet disc brakes - Drive wheel
Parking brake system, type - affected wheels		Spring brake - Drive wheel
Max. hydraulic pressure	MPa	16,5
Noise level according to DIN 45635 part 36, cabin	dB(A)	72
Fuel volume	l	380
Hydraulic oil volume	l	320



Dimensions

Lifting height	H4	mm	16500
Height under twist-lock, min.	H10	mm	2180
Tilting of lifting mast, forward - backward	α - β	°	2-3
Turning radius	R1-R2	mm	6000-200
Min. aisle for 90° stacking with 20' container	A1	mm	10000
Min. aisle for 90° stacking with 40' container	A2	mm	14000
Mast height, min. - max.	H3-H5	mm	10150-18400
Height of machine	H6	mm	5320
Length of truck	L	mm	7050
Width of truck	B	mm	4000
Load centre	L4	mm	1220
Sideshift $\pm$	V1	mm	600
Distance front axle / front edge of attachment	L2	mm	1225
Wheel base	L3	mm	4500
Track (c-c), front - rear	S	mm	3300-2240
Ground clearance, min.		mm	250
Height of seat	H8	mm	4050
Number of containers, 8' 6" - 9' 6"			7-6