

**| Volvo TAD-582-VE (160 kW) / ZF 3WG-171 | Duplex, clear view, standard - E4**
**Lifting data**

Lifting capacity, rated (kg)	7000
Lifting capacity, number of containers, 8'6" – 9'6"	4 - 4
Lifting speed L4, unloaded – at 70% of rated load (m/s)	0,60 - 0,55
Lowering speed L4, unloaded – at rated load (m/s)	0,35 - 0,40

**Driving data**

Travelling speed forward, unloaded – at rated load (km/h)	29 - 28
Travelling speed backward, unloaded – at rated load (km/h)	29 - 28
Gradeability max., unloaded – at rated load (%)	49 - 37
Gradeability at 2 km/h, unloaded – at rated load (%)	39 - 30
Drawbar pull, max. (kN)	119

**Weight of truck**

Service weight (kg)	28200
Axle load front, unloaded – at rated load (kg)	18100 - 30200
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)	9900 - 4800

**Engine**

Manufacturer / model	Volvo / TAD-582-VE
Fuel / type of engine	Diesel / 4 stroke
Emission stage / approval	EU Stage V
Number of cylinders / displacement (liter)	4 / 5,1
Power rated @ revs, ISO 3046 (kW@rpm)	160/218 / 2300
Torque max @ revs, ISO 3046 (Nm@rpm)	918 / 1380
Alternator, type - power (W)	AC - 3080
Starting battery, voltage - capacity (V – Ah)	2×12 - 145
Fuel consumption, normal driving (l/h)	7-9
DEF consumption, normal driving (% of diesel)	4-6

**Transmission**

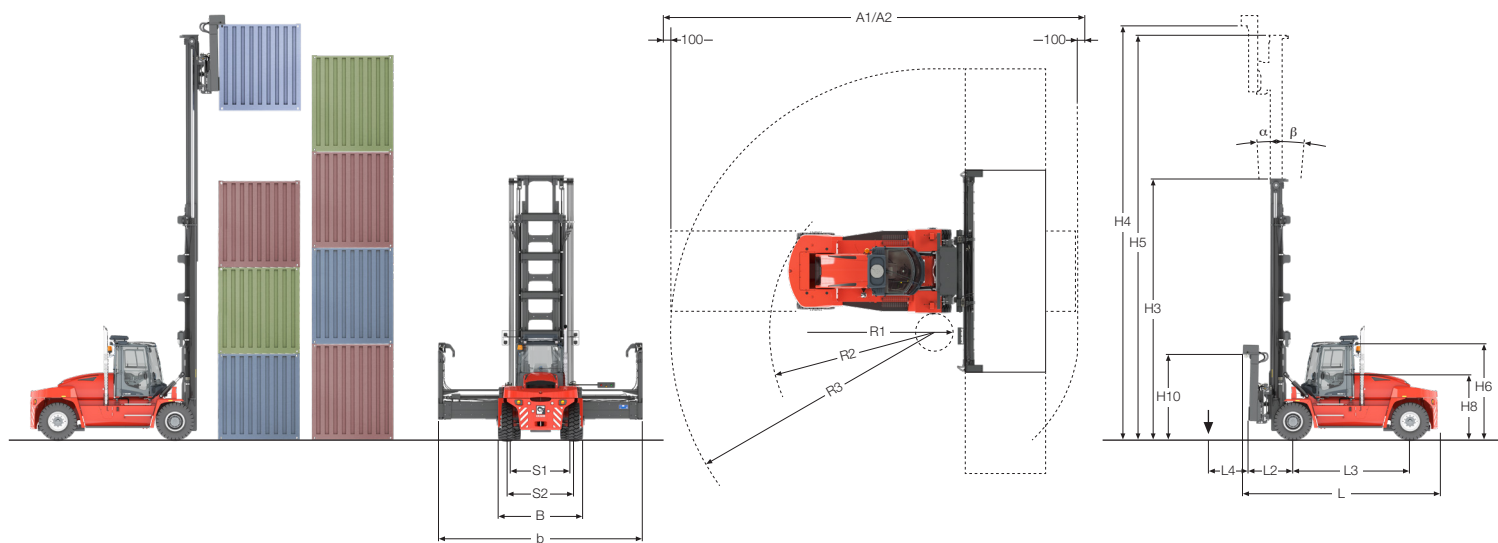
Manufacturer / model	ZF / 3WG-171
Clutch, type	Torque converter
Gearbox, type	Hydrodynamic Powershift
Number of gears, forward - reverse	3 - 3
Driving axle, manufacturer / type	Kessler D81 / Differential and hub reduction

**Wheels**

Type	Pneumatic - Pneumatic
Dimension, front – rear (inch)	12.00×20/20PR – 12.00×20/20PR
Number of wheels, front – rear (*driven)	4* - 2
Pressure (MPa)	0,9

**Miscellaneous**

Steering system, type – maneuvering	Hydraulic servo - Steering wheel
Service brake system, type – affected wheels	Oil cooled disc brakes – Drive wheel
Parking brake system, type – affected wheels	Dry, spring activated disc brakes - Drive wheel
Max. hydraulic pressure (MPa)	20,0
Noise level EN12053 with ECO modes - equivalent inside cabin LpAZ (dB(A))	71
Noise level EN12053 with ECO-modes - equivalent outside cabin LwAZ (dB(A))	109
Fuel volume (l)	300
AdBlue volume (l)	35
Hydraulic oil volume (l)	220



## Dimensions

Length of truck (mm)	L	5940
Distance between centre of front axle – front face of fork arm (mm)	L2	1330
Wheelbase (mm)	L3	3500
Load centre (mm)	L4	1200
Height of basic machine (mm)	H6	2920
Height of seat (mm)	H8	1790
Height under twistlock	H10	2120
Lifting height (mm)	H4	10000
Mast height, min. (mm)	H3	7075
Mast height, max. (mm)	H5	12075
Tilting of mast, forward - backward (°)	$\alpha$ - $\beta$	3 - 3
Width of truck (mm)	B	2900
Width over attachment (mm)	b	6064
Track (c-c), front – rear (mm)	S1-S2	2210 - 1960
Turning radius, inner / outer 20ft / outer 40ft (mm)	R1-R2-R3	9300 - 14000
Turning radius, outer – inner (mm)	R1-R2	4785 - 420
Ground clearance, min. (mm)	G	350
Max. height when tilting cab (mm)	T1	3390
Max. width when tilting cab (mm)	T2	3380
Sideshift (mm)	V1	140

The design and materials specification are subject to alternation without prior notice.  
Tolerances according to K-standard 95430.0008/0009



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