

Technical data
DRF450-60S5K
Lifting data

Lifting capacity at load centre L4	kg	45000 – 42000
Lifting capacity at load centre L5	kg	30000 – 30000
Lifting speed , unloaded – at 70% of rated load	m/s	0.42 - 0.25
Lowering speed , unloaded – at rated load	m/s	0.36 - 0.36

Driving data

Travelling speed forward , unloaded – at rated load	km/h	25 – 21
Travelling speed backward , unloaded – at rated load	km/h	25 – 21
Gradeability at 2 km/h , unloaded – at rated load	%	38 – 20
Max. gradeability, unloaded – at rated load	%	38– 36
Drawbar pull	kN	362
Stability according to EN 1459		

Weight of truck

Service weight	kg	69400
Axle load front at load centre L4, unloaded – at rated load	kg	34600 – 100600
Axle load front at load centre L5, unloaded – at rated load	kg	39000– 92200
Axle load front at driving position according to EN 1459 and rated load	kg	88800
Axle load rear at load centre L4, unloaded – at rated load	kg	34800 – 13800
Axle load rear at load centre L5, unloaded – at rated load	kg	30400 –7200
Axle load rear at driving position according to EN 1459 and rated load	kg	25600

Engine

Manufacturer - type designation		Volvo TWD 1240 VE
Fuel – type of engine		Diesel 4-stroke
Power according to ISO 3046 – at speed	KW – r/min	246 – 2000
Torque according to ISO 3046 – at speed	Nm – r/min	1751 – 1200
Number of cylinders – compression		6 – 18.5 : 1
Alternator, type – power	W	AC – 1920
Starting battery, voltage – capacity	V - Ah	2 x 12 – 140
Fuel consumption, normal driving	l/h	18

Transmission

Manufacturer – type designation		Dana-15.7TE32418
Clutch, type		Torque converter
Gearbox, type		Hydrodynamic
Number of gears, forward – reverse		4-4
Driving axle, type		Differential and hub reduction

Wheels

Type, front - rear		Pneumatic
Dimension, front - rear		18,00x25-18,00x25, PR40 E4
Number of wheels, front - rear (* driven)		4* - 2
Pressure	MPa	1.0

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	21
Noise level according to DIN 45635 part 36, cabin - overhead guard	dB(A)	70
Fuel volume	l	550
Hydraulic oil volume	l	600
Overload protection		Electronic

Dimensions

Beam angle, max	°	α	60
Attachment rotation, CW – CCW	°	β	195 – 105
Min. aisle width for 90° stacking with 20' containers	mm	A1	11200
Min. aisle width for 90° stacking with 40' containers	mm	A2	13600
Sideshift $\pm a$	mm	V1	± 800
Track (c-c), front – rear	mm	S	3030 – 2600
Ground clearance, min.	mm		250

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