

TECHNICAL DATA : SMV 4538 CC5

LIFTING DATA		
Lift capacities (at load center LC1 / LC2 / LC3)	kg	45 000 / 38 000 / 23 000
Lift capacities (at load center LC1 / LC2 / LC3 at max lifting height)	kg	39 000 / 38 000 / 23 000
Lift capacities in trailer legs (at load center LC1)	kg	45 000
Load centers (LC1 / LC2 / LC3)	mm	1 800 / 3 850 / 6 350
Lifting speed, unloaded / at 40 % load / at rated load	m/s	0,37 / 0,34 / 0,22
Lowering speed, unloaded / at rated load	m/s	0,35 / 0,4
DRIVING DATA		
Drive speed forward, unloaded / at rated load	km/h	24 / 21
Drive speed reverse, unloaded / at rated load	km/h	18 / 17
Incline (driving ability) at rated load at 0 km/h/at 2 km/h	%	34 / 21
Towing (power ability) at rated load at 0 km/h/at 2 km/h	kN	397 / 266
SERVICE WEIGHT / AXLE PRESSURE		
Service weight	kg	90 000
Axle pressure front at load center LC1, unloaded / at rated load	kg	48 000 / 109 200
Axle pressure front at load center LC2, unloaded / at rated load	kg	53 700 / 116 100
Axle pressure front at load center LC3, unloaded / at rated load	kg	60 400 / 105 800
Axle pressure rear at load center LC1, unloaded / at rated load	kg	42 000 / 25 800
Axle pressure rear at load center LC2, unloaded / at rated load	kg	36 300 / 11 900
Axle pressure rear at load center LC3, unloaded / at rated load	kg	29 600 / 7 200
Axle pressure in driving position, front/rear (at rated load)	kg	105 600 / 29 400
ENGINE (electronic controlled)		
Engine make / model name		Volvo TAD-1171-VE
Emission approval EU / US		Stage 4 / Tier 4f
Monitoring / emission controlled / CanBus		Yes / yes / yes
Fuel / type of engine / intercooler		Diesel / 4-stroke / yes
Power ISO 3046 / max speed	kW / rpm	265 / 2 000
Torque ISO 3046 / at speed	Nm / rpm	1 785 / 1 265
Displacement / No. of cylinders / type	L	10,8 / 6 / Inline
Fuel consumption, normal driving	L/h	15 - 18
Alternator, type/power / capacity	/ W / Amp	AC / 3 080 / 110
Starting battery, voltage/capacity	V / Ah	2 x 12 / 140
TRANSMISSION (electronic controlled)		
Transmission make / model / amount of gears (forward /reverse)		Dana TE-30 / 5 + 3 gears
Monitoring / reverse protection / CanBus / Clutch, type		Yes / yes / yes / Torque converter
Transmission type / type of shift gear		Softshift - Powershift / Automatic
DRIVE AXLE & BRAKE SYSTEM		
Drive axle make / model name		Kessler D106
Drive axle type / drive axle width	/ mm	Differential + hub reduction / 4 160
Driving brake system, type / affected wheels		Oil cooled Wet Disc Brakes / drive wheels
Parking brake system, type / affected wheels		Dry disk brake / spring release / drive wheels
STEER AXLE & STEER SYSTEM		
Steer axle type / steering system		Double acting cylinder / hydraulic servo assisted
WHEELS		
Number of wheels, front + rear / type (*driven)		4*+2 / pneumatic
Tire pressure front / rear	MPa	1,0 / 1,0
Tire dimensions (Ply rating) front / rear	Inch (No)	18.00 x 33" (PR 36) / 18.00 x 33" (PR 40)
Rim dimension front / rear	Inch	13.00 x 33" / 13.00 x 33"
HYDRAULIC SYSTEM		
Hydraulic pump make / model name		Parker & Hannifin / P2-series
Hydraulic system / pump type		Load sensing system / variable piston pump
Power-on-demand / Low energy / Separate oil tanks		Yes / yes / hydraulics & brakes
Hydraulic oil pressure mast / spreader	MPa / MPa	25 / 15
TANK VOLUMES		
Diesel tank volume	L	650
Hydraulic tank volume	L	850
LIFT EQUIPMENT & SPREADER		
Spreader make / type		ELME 857-HPS / Combilift (container & trailer)
Spreader functions		20-30-35-40 ft containers / trailer bottom lift
Spreader locking containers + trailer / lifting eyes		4 top twist locks + 4 lift legs-shoes / 4 corners
Sideshift stroke / rotation / pile slope type (pile slope stroke)	mm/deg/deg	± 800 / +195 : -105 / Hydraulic HPS (±6,0)
OTHERS		
Safety, Monitoring & overload system / programmable / colour		Electronic system EMC / yes / yes
Hydraulic sliding cabin / stroke	/ mm	Yes / 2 900 (Stepless)
Noise level (inside Cab / Lm)	DIN 45635	dB(A) 66
Noise level (inside Cab/ LpAZ)	EN 12053	dB(A) 75
Noise level (outside at 7 m/ Lwa)	2005/88/EC	dB(A) 111
NORMS & STANDARDS		
Machine Directive in Europe	2006 / 42 / EC	Yes
Stability of Container Handling Trucks	ISO 13562	Yes
Safety of Industrial trucks	EN 1459:1998	Yes

