

TECHNICAL DATA : SMV 2115 TC3

LIFTING DATA			
Lift capacities (at load center LC1 / LC2 / LC3)	kg	21 000 / 15 000 / 5 000	
Lift capacities (at load center LC1 / LC2 / LC3 at max lifting height)	kg	21 000 / 15 000 / 5 000	
Load centers (LC1 / LC2 / LC3)	mm	1 750 / 3 850 / 6 350	
Lifting speed, unloaded / at 40 % load / at rated load	m/s	0,4 / 0,38 / 0,24	
Lowering speed, unloaded / at rated load	m/s	0,45 / 0,45	
DRIVING DATA			
Drive speed forward, unloaded / at rated load	km/h	24 / 22	
Drive speed reverse, unloaded / at rated load	km/h	24 / 22	
Incline (driving ability) at rated load at 0 km/h/at 2 km/h	%	31 / 21	
Towing (power ability) at rated load at 0 km/h/at 2 km/h	kN	190 / 147	
SERVICE WEIGHT / AXLE PRESSURE			
Service weight	kg	54 600	
Axle pressure front at load center LC1, unloaded / at rated load	kg	29 500 / 60 100	
Axle pressure front at load center LC2, unloaded / at rated load	kg	34 600 / 62 200	
Axle pressure rear at load center LC1, unloaded / at rated load	kg	25 100 / 15 500	
Axle pressure rear at load center LC2, unloaded / at rated load	kg	20 000 / 7 400	
Axle pressure in driving position, front/rear (at rated load)	kg	/	
ENGINE (electronic controlled)			
Engine make / model name		Volvo TAD871-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	185 / 2 200	
Torque ISO 3046 / at speed	Nm / rpm	1 160 / 1 500	
Displacement / No. of cylinders / type	L	7,7 / 6 / Inline	
Fuel consumption, normal driving	L/h	10 – 14	
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)		ZF 4WG-191-B / 4 + 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 D91	
Drive axle type / drive axle width	/ mm	Differential + hub reduction / 3 400	
Driving brake system, type / affected wheels		Oil cooled Wet Disc Brakes / drive wheels	
Parking brake system, type / affected wheels		Dry disc 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	0,9 / 0,9	
Tire dimensions (Ply rating) front / rear	Inch (No)	16.00 x 25" (PR 32) / 16.00 x 25" (PR 32)	
Rim dimension front / rear	Inch	11.25 x 25" / 11.25 x 25"	
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	24 / 15	
TANK VOLUMES			
Diesel tank volume	L	430	
Hydraulic tank volume	L	600	
LIFT EQUIPMENT & SPREADER			
Spreader make / type		ELME 817-MPS / Toplift (container)	
Spreader functions		20-40 ft containers	
Spreader locking containers / lifting eyes		4 x top twist locks / 4 x in corners	
Sideshift stroke / rotation / pile slope type (pile slope stroke)	mm / deg /	± 800 / +195 : -105 / Manual MPS / (± 2,0)	
OTHERS			
Safety, Monitoring & overload system / programmable / colour		Electronic system EMC / yes / yes	
Manual sliding cabin / stroke		Yes / 1 800	
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)	110
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

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