

TECHNICAL DATA : SMV 2518 TB3

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| LIFTING DATA Lift capacities (at load center LC1 / LC2 / LC3) Lift capacities (at load center LC1 / LC2 / LC3 at max lifting height) Load centers (LC1 / LC2 / LC3) Lifting speed, unloaded / at 40 % load / at rated load Lowering speed, unloaded / at rated load | kg kg mm m/s m/s | 25000 / 18000 / 8000 25000 / 18000 / 8000 1750 / 3850 / 6350 0,40 / 0,38 / 0,24 0,45 / 0,45 |
| DRIVING DATA Drive speed forward, unloaded / at rated load Drive speed reverse, unloaded / at rated load Incline (driving ability) at rated load at 0 km/h/at 2 km/h Towing (power ability) at rated load at 0 km/h/at 2 km/h | km/h km/h % kN | 24 / 22 24 / 22 31 / 21 190 / 147 |
| SERVICE WEIGHT / AXLE PRESSURE Service weight Axle pressure front at load center LC1, unloaded / at rated load Axle pressure front at load center LC2, unloaded / at rated load Axle pressure rear at load center LC1, unloaded / at rated load Axle pressure rear at load center LC2, unloaded / at rated load Axle pressure in driving position, front/rear (at rated load) | kg kg kg kg kg kg | 50000 24500 / 60900 27800 / 60900 25500 / 14100 22200 / 7100 0 / 0 |
| ENGINE (electronic controlled) Engine make / model name Emission approval EU / US Monitoring / emission controlled / CanBus Fuel / type of engine / intercooler Power ISO 3046 / at speed Torque ISO 3046 / at speed Displacement / No. of cylinders / type Fuel consumption, normal driving Alternator, type/power / capacity Starting battery, voltage/capacity | kW / rpm Nm / rpm L L/h / W / Amp V / Ah | Volvo TAD-722-VE/HT EU Stage II / US Tier 2 Yes / yes / yes Diesel / 4-stroke / yes 180 / 2300 1050 / 1400 7,2 / 6-cylinder / Inline 10 – 14 AC / 1540 / 55 2 x 12 / 140 |
| TRANSMISSION (electronic controlled) Transmission make / model / amount of gears (forward /reverse) Monitoring / reverse protection / CanBus / Clutch, type Transmission type / type of shift gear | | Dana TE-17300 / 3 + 3 gears Yes / yes / yes / Torque converter Softshift – Powershift / Automatic |
| DRIVE AXLE & BRAKE SYSTEM Drive axle make / model name Drive axle type / drive axle width Driving brake system, type / affected wheels Parking brake system, type / affected wheels | / mm | Kessler D91 Differential + hub reduction / 3410 Oil cooled Wet Disc Brakes / drive 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) Tire pressure front / rear Tire dimensions (Ply rating) front / rear Rim dimension front / rear | MPa Inch (No) Inch | 4*+2 / pneumatic 0,9 / 0,9 16.00 x 25" (PR 32) / 16.00 x 25" (PR 32) 11.25 x 25" / 11.25 x 25" |
| HYDRAULIC SYSTEM Hydraulic pump make / model name Hydraulic system / pump type Power-on-demand / Low energy / Separate oil tanks Hydraulic oil pressure mast / spreader | MPa / MPa | Parker & Hannifin / P2-series Load sensing system / variable piston pump Yes / yes / hydraulics & brakes 24 / 15 |
| TANK VOLUMES Diesel tank volume Hydraulic tank volume | L L | 430 600 |
| LIFT EQUIPMENT & SPREADER Spreader make / type Spreader functions Spreader locking containers / lifting eyes Sideshift stroke / rotation / pile slope type (pile slope stroke) | mm / deg / | ELME 327-SPEC-MPS / Toplift (container) 20ft container 4 x top twist locks / 4 x in corners ± 800 / +195 : -105 / Manual MPS |
| OTHERS Safety, Monitoring & overload system / programmable / colour Manual sliding cabin / stroke Noise level (inside Cab / Lm) Noise level (inside Cab/ LpAZ) Noise level (outside at 7 m/ Lwa) | / mm dB(A) dB(A) dB(A) | Electronic system EMC / yes / yes Yes / 1800 68 75 110 |
| NORMS & STANDARDS Machine Directive in Europe Stability of Industrial Trucks Safety of Industrial trucks | 98 / 37 EC ISO 1074 EN 1551 | Yes Yes Yes |

