

TECHNICAL DATA : SMV 22-1200 C

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|---|----------------|--|-----|
| LIFTING DATA | | | |
| Lifting capacity / Load center (up to 9 000 mm / standard mast) | kg / mm | 22 000 / 1 200 | |
| Lifting speed, unloaded / at rated load | m/s | 0,3 / 0,25 | |
| Lowering speed, unloaded / at rated load | m/s | 0,4 / 0,4 | |
| DRIVING DATA | | | |
| Drive speed forward, unloaded / at rated load | km/h | 29 / 27 | |
| Drive speed reverse, unloaded / at rated load | km/h | 29 / 27 | |
| Incline (driving ability) at rated load at 0 km/h/at 2 km/h | % | 37 / 28 | |
| Towing (power ability) at rated load at 0 km/h/at 2 km/h | kN | 196 / 147 | |
| SERVICE WEIGHT / AXLE PRESSURE | | | |
| Service weight | kg | 32 000 | |
| Axle pressure front, unloaded / at rated load | kg | 16 700 / 50 500 | |
| Axle pressure rear, unloaded / at rated load | kg | 15 300 / 3 500 | |
| ENGINE (electronic controlled) | | | |
| Engine make / model name | | Volvo TAD-871-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 / 1 200 | |
| Displacement / No. of cylinders / type | L / / | 7,7 / 6 / Inline | |
| Fuel consumption, normal driving | L/h | 8 – 12 | |
| Alternator, type/power | W / Amp | AC / 3 080 / 110 | |
| Starting battery, voltage/capacity | V / Ah | 2 x 12 / 140 | |
| TRANSMISSION (electronic controlled) | | | |
| Transmission make / model name | | ZF 4WG-191-B | |
| Monitoring / reverse protection / CanBus | | Yes / yes / yes | |
| Clutch, type | | Torque converter | |
| Transmission type / type of shift gear | | Softshift – Powershift / Automatic | |
| No. of gears, forward/reverse | | 4 / 3 | |
| DRIVE AXLE & STEER SYSTEM | | | |
| Drive axle make / model name | | Kessler D91 | |
| Drive axle type / drive axle width | / mm | Differential + hub reduction / 3 000 | |
| Service 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 make / type | | Konecranes / double acting single cylinder | |
| Steering system | | Hydraulic servo assisted / power steering | |
| 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) | 14.00 x 24" (PR 24) / 14.00 x 24" (PR 24) | |
| Rim dimension front / rear | Inch | 10.00 x 24"/HD / 10.00 x 24"/HD | |
| 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 | | Yes / yes | |
| Hydraulic oil pressure mast | MPa | 22 | |
| TANK VOLUMES | | | |
| Diesel tank volume | L | 336 | |
| Hydraulic tank volume | L | 368 | |
| LIFTING EQUIPMENT | | | |
| Lift mast make / model | | Konecranes / Duplex standard | |
| Lift mast type / design | | 2-stage / free visibility | |
| Fork carriage make / model | | Konecranes / integral double forks | |
| Fork carriage type | | Hydraulic side shift & fork positioning | |
| OTHERS | | | |
| Noise level (inside Cab / Lm) | DIN 45635 | dB(A) | 68 |
| 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 Industrial Trucks | ISO 1074 | | Yes |
| Safety of Industrial Trucks | EN ISO 3691-1 | | Yes |

