

TECHNICAL DATA : SMV 4632 TC5 (FD)

| Machine type | | SMV 4632 TC5 (FD) |
|---|-----------|---|
| LOAD HANDLING DATA | | |
| Lifting capacity (LC1 /LC2 /LC3) | kg | 46 000 / 32 000 / 17 000 |
| Lifting capacity (LC1 /LC2 /LC3) at max lifting height | kg | 45 000 / 32 000 / 17 000 |
| Load center (LC1 /LC2 /LC3) | mm | 2 000 / 3 850 / 6 350 |
| Lifting speed, unloaded / at 40% of rated load / at 70% of rated load | m/s | 0,38 / 0,36 / 0,24 |
| Lowering speed, unloaded / at rated load | m/s | 0,38 / 0,41 |
| DRIVING DATA | | |
| Drive speed forward, unloaded / at rated load | km/h | 26 / 25 |
| Drive speed reverse, unloaded / at rated load | km/h | 17 / 16 |
| Incline (driving ability) at rated load at 0 km/h / at 2 km/h | % | 27 / 32 |
| Towing (power ability) at rated load at 0 km/h / at 2 km/h | kN | 265 / 311 |
| SERVICE WEIGHT / AXLE LOADS | | |
| Service weight | kg | 70 600 |
| Axle loads front LC1, unloaded / at rated load | kg | 35 700 / 101 900 |
| Axle loads front LC2, unloaded / at rated load | kg | 39 800 / 95 100 |
| Axle loads front LC3, unloaded / at rated load | kg | 45 300 / 81 300 |
| Axle loads rear LC1, unloaded / at rated load | kg | 34 900 / 14 700 |
| Axle loads rear LC2, unloaded / at rated load | kg | 30 800 / 7 500 |
| Axle loads rear LC3, unloaded / at rated load | kg | 25 300 / 6 300 |
| Axle loads in driving position, front/rear (at rated load) | kg | 90 100 / 26 500 |
| ENGINE | | |
| Engine make, model name | | Volvo TAD883-VE |
| Emission approval EU / US | | Stage V |
| Monitoring / emission controlled / CanBus | | Yes / yes / yes |
| Fuel / type of engine | | Diesel / 4-stroke CI |
| Rated power ISO 3046 / max speed | kW / rpm | 235 / 1 750 (2 200) |
| Rated torque ISO 3046 / at speed | Nm / rpm | 1 330 / 1 400 |
| Displacement / No. of cylinders / configuration | L // | 7,7 / 6 / Inline |
| Fuel consumption, normal operations | L/h | 12 - 15 |
| Alternator, type / power / amperage | W / Amp | AC / 3 080 / 110 |
| Starting battery, voltage / capacity | V / Ah | 2 x 12 / 140 |
| TRANSMISSION | | |
| Transmission make, model name | | DANA HVT R2-20 |
| Monitoring / reverse protection / CanBus | | Yes / yes / yes |
| Clutch, type | | Rubber-Steel Coupling |
| Transmission type / type of shift gear | | Hydromechanical Variabel Transmission / Automatic |
| No. of gears, forward / reverse | | 3/2 |
| DRIVE AXLE & STEER SYSTEM | | |
| Drive axle make, model name | | Kessler D102 |
| Drive axle type | | Differential + hub reduction |
| Service brake, type / affected wheels | | Oil cooled Wet Disc Brakes / drive wheels |
| Parking brake, type / affected wheels | | Dry disc brake / spring applied / 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 | 1,0 / 1,0 |
| Tire dimensions (Ply rating) front / rear | Inch (No) | 18.00 x 25" (PR 40) / 18.00 x 25" (PR 40) |
| Rim dimension front / rear | Inch | 13.00 x 25" / 13.00 x 25" |
| HYDRAULIC SYSTEM | | |
| Hydraulic pump make, model name | | Parker P2-series |
| Hydraulic system / pump type | | Load sensing system / variable axial piston pump |
| Power-on-demand / Low energy / Separate tanks | | Yes / yes / yes (hydraulics & Brakes) |
| Hydraulic oil pressure boom / spreader | MPa | 29 / 15 |
| TANK VOLUMES | | |
| Fuel tank volume | L | 650 |
| Hydraulic tank volume | L | 850 |
| LIFTING EQUIPMENT & SPREADER | | |
| Spreader make / type | | ELME 817-MPS / Toplift (container) |
| Spreader functions | | 20-40 ft containers |
| Spreader locking containers + trailer / lifting eyes | | 4 x top twist locks / 4x in the corners |
| Sideshift stroke / rotation / pile slope type (pile slope stroke) | | ±800 mm / +195 - 105 manual MPS (±2 deg) |
| OTHERS | | |
| Noise level (inside Cab / Lm), DIN 45635 | dB(A) | 64 |
| Noise level (inside Cab/ LpAZ), EN 12053 (EU + EFTA only) | dB(A) | 73 |
| Maximum Noise level (outside Lwa), 2000/14/EC (EU + EFTA only) | LWA | 108 |
| Sliding cabin / stroke | | Manual / 2 900 mm |
| NORMS & STANDARDS | | |
| Stability of Industrial Trucks ISO 13562 | | Yes |
| Safety of Industrial Trucks EN ISO 3691-2 | | Yes |

