



OFF ROAD FORKLIFT TRUCKS – SPECIFICATIONS



| TECHNICAL DATA | | | | | | |
|---------------------------------------|--------------------------------------|-------------------|--------------------------------|---------------|-------------|-----------|
| Manufacturer | | | ČZ a.s., Auto - DESTA division | | | |
| Model designation | | | DVHM 3522 TX | DVHM 3522 TXK | DV 35 T4 | DV 35 T4K |
| Power unit | Diesel | | | | | |
| Operation | Rider seat | | | | | |
| Load capacity | Q | t | 3,5 | | | |
| Load centre | c | mm | 500 | | | |
| Axle centre to fork distance | x | mm | 605 | | | |
| Wheelbase | y | mm | 2075 | | | |
| Weights | | | | | | |
| Service weight | | kg | 5360 | 5500 | 5570 | 5710 |
| Axle load with load | front | kg | 8230 | 8360 | 8120 | 8170 |
| | rear | kg | 630 | 640 | 950 | 1040 |
| Wheels and Tyres | | | | | | |
| Tyres | front / rear | (P) = pneumatic | L / L | | | |
| Tyre size | front | | 8,25 - 20 | | | |
| | rear | | 10,0 / 75 - 15,3 | | | |
| Wheels number | front / rear | (x = driven) 0 | x4 / 2 | | x4 / 2 (x2) | |
| Track width | b ₁₀ - front | mm | 1520 | | | |
| | b ₁₁ - rear | mm | 1480 | | 1890 | |
| Dimensions | | | | | | |
| Mast tilt | α/β forward / backward | degree | 6 / 15 | | | |
| Height of mast, lowered | h ₁ | mm | 2600 | | | |
| Free lift | h ₂ | mm | - | | | |
| Lift | h ₃ | mm | 3300 | | | |
| Height of mast, extended | h ₄ | mm | 4130 | | | |
| Height to top of overhead guard / cab | h ₆ | mm | 2480 | 2510 | 2480 | 2510 |
| Height of seat | h ₇ | mm | 1470 | | | |
| Height of tow coupling | h ₁₀ | mm | 850 | | | |
| Overall length | L ₁ | mm | 4325 | | | |
| Length to fork face | L ₂ | mm | 3125 | | | |
| Overall width | b ₁ | mm | 2066 | | | |
| Fork dimensions | t – thickness | mm | 50 | | | |
| | b – width | mm | 100 | | | |
| | l – length | mm | 1200 | | | |
| Fork carriage width | b ₃ | mm | 1400 | | | |
| Ground clearance | m ₁ – the lowest point | mm | 180 | | | |
| | m ₂ – centre of wheelbase | mm | 380 | | | |
| Aisle width | Ast - 1000x1200 pallet crosswise | mm | 5555 | | 5905 | |
| | Ast - 800x1200 pallet lengthwise | mm | 5755 | | 6105 | |
| Turning radius | Wa | mm | 3750 | | 4100 | |
| Minimum pivot point distance | b ₁₃ | mm | 2010 | | 2490 | |
| Performance | | | | | | |
| Travel speed | with / without load | km/h | 28 / 28 | | | |
| Lift speed | with / without load | m/s | 0,45 / 0,50 | | | |
| Lower speed | with / without load | m/s | 0,50 / 0,35 | | | |
| Tractive force | with load | kN | 10 | | | |
| | without load | kN | 10 | | | |
| Climbing ability | with load | % | 35 | | | |
| | without load | % | 35 | | | |
| Acceleration time (15 m distance) | | s | 5,4 | | | |
| Brakes | pedal service brake | | Hydraulic | | | |
| | hand parking brake | | Mechanic | | | |
| Drive | | | | | | |
| Engine | manufacturer / type | | ZETOR / 7701.14 | | | |
| Engine output | to ISO 1585 | kW | 39 | | | |
| Rated speed | | min ⁻¹ | 1950 | | | |
| Number of cylinders / cubic capacity | | cm ³ | 4 / 3595 | | | |
| Fuel consumption | (to VDI 2198 cycle) | l/h | 3,6 | | | |
| Other | | | | | | |
| Steering | type | | Hydrostatic | | | |
| Operating pressure | for optional equipment | bar | 160 | | | |
| Clutch | type | | Hydrodynamic torque converter | | | |
| Number of speed gears | forward/ backward | | 4/4 | | | |
| Transmission | type | | Powershift | | | |
| Battery | voltage/ capacity | V/Ah | 12/ 120 | | | |
| Mean noise level at driver's ear | (to BITA RP 20) | dB(A) | 85 | | | |

The manufacturer retains the right to technical alternations.