

# FORK LIFT FTF 18-12



|           |  |          |  |
|-----------|--|----------|--|
| <b>1</b>  | <b>Lifting capacities</b>                      |          |  |
| 1.1       | Lift capacities at load center C               | kg       | 18000                                      |
| 1.2       | Load center "C"                                | mm       | 1225                                       |
| 1.3       | Lift height with simplex mast                  | mm       | 4000                                       |
| 1.4       | Lifting speed (unloaded/at rated load)         | m/s      | 0,36/0,33                                  |
| 1.5       | Lowering speed (unloaded/at rated load)        | m/s      | 0,25/0,26                                  |
| 1.6       | Mast Tilt Forward/Backward                     | °        | 6/12                                       |
| <b>2</b>  | <b>Driving speed</b>                           |          |  |
| 2.1       | Drive speed forward (unloaded/at rated load)   | km/h     | 25/24                                      |
| 2.2       | Drive speed reverse (unloaded/ at rated load)  | km/h     | 25/24                                      |
| 2.3       | Max incline (unloaded/ at rated load)          | %        | 26/24                                      |
| 2.4       | Towbar pull max                                | kN       | 150  |
| <b>3</b>  | <b>Weight</b>                                  |          |  |
| 3.1       | Service weight                                 | kg       | 26500                                      |
| 3.2       | Axle pressure front (unloaded / at rated load) | kg       | 12000/40000                                |
| 3.3       | Axle pressure rear (unloaded / at rated load)  | kg       | 14500/4500                                 |
| 3.4       | Stability factor                               |          | 1,45                                       |
| <b>4</b>  | <b>Engine</b>                                  |          |  |
| 4.1       | Engine make / model name                       |          | Volvo/TAD 582 VE                           |
| 4.2       | Emission approval EU/US                        |          | Stage 5                                    |
| 4.3       | Fuel   |          | Diesel                                     |
| 4.4       | Max Power at rpm                               | kW / rpm | 160kW at 2000rpm                           |
| 4.5       | Max Torque at rpm                              | Nm / rpm | 925Nm at 1380rpm                           |
| 4.6       | N° cylinders / Displacement                    | N/cc     | 4/5130                                     |
| 4.7       | Specific fuel consumption                      | l/h      | 10 - 15                                    |
| 4.8       | Alternator type/power/capacity                 | /W/Amp   | AC/3080/110                                |
| 4.9       | Battery (N°, Voltage, Capacity)                | /V/Ah    | 2, 12V, 88A                                |
| <b>5</b>  | <b>Transmission</b>                            |          |  |
| 5.1       | Brand / model                                  |          | ZF 3WG171                                  |
| 5.2       | Type   |          | Hydrodynamic                               |
| 5.3       | N° of gears Fw/ Rw                             |          | 3/3  |
| <b>6</b>  | <b>Drive Axle</b>                              |          |  |
| 6.1       | Make /model                                    |          | Kessler D81                                |
| 6.2       | Type/ width                                    | mm       | Rigido/2500                                |
| <b>7</b>  | <b>Steering Axle</b>                           |          |  |
| 7.1       | Make /model                                    |          | OMCI/ASF253                                |
| 7.2       | Steering system                                |          | Double acting single cylinder              |
| <b>8</b>  | <b>Brake System</b>                            |          |  |
| 8.1       | Machine brakes                                 |          | Wet disc brakes-hydraulic operated         |
| 8.2       | Parking brakes                                 |          | Dry disc                                   |
| <b>9</b>  | <b>Wheels</b>                                  |          |  |
| 9.1       | Number of Wheels (front + rear) and type       |          | 4+2 Pneumatic                              |
| 9.2       | Tire pressure (front + rear)                   | Bar      | 10   |
| 9.3       | Tire dimensions and ply rating (front + rear)  |          | 12.00-24 (PR20)                            |
| 9.4       | Rim dimensions (front + rear)                  |          | 8,5-00-24                                  |
| <b>10</b> | <b>Hydraulic System</b>                        |          |  |
| 10.1      | Pumps (number/ type/ Brand)                    |          | One triple gear pumps Parker               |
| 10.2      | Hydraulic oil cooling system                   |          | High efficiency radiator with electric fan |
| 10.3      | Max working pressure                           | Bar      | 220  |
| <b>11</b> | <b>Cabin</b>                                   |          |  |
| 11.1      | Type   |          | Closed cabin with air conditioning         |
| 11.2      | Internal Noise Level EN12053                   | db       | 72   |
| <b>12</b> | <b>Tanks capacity</b>                          |          |  |
| 12.1      | Hydraulic oil                                  | l        | 350  |
| 12.2      | Fuel diesel                                    | l        | 260  |
| 12.3      | Ad-Blue  | l        | 25   |
| <b>13</b> | <b>Forks</b>                                   |          |  |
| 13.1      | Type   |          | "Terminal west"                            |
| 13.2      | Sizes (Lenght x width x thickness)             | mm       | 2450x250x100                               |
| 13.3      | Fork translation and positioner                | mm       | +/- 410                                    |

