

**ARTISON Diesel forklift trucks 4,0 - 5,0 to.**

**Specification**

|                         |                  |                             |                                      |                                 |                  |                  |                  |             |
|-------------------------|------------------|-----------------------------|--------------------------------------|---------------------------------|------------------|------------------|------------------|-------------|
| Characteristics         | 1                | Manufacturer                |                                      | ARTISON                         | ARTISON          | ARTISON          |                  |             |
|                         | 2                | Model                       | Manufacturer's designation           | FD40                            | FD45             | FD50             |                  |             |
|                         | 3                | Capacity                    | Q Load                               | kg                              | 4000             | 4500             | 5000             |             |
|                         | 4                | Load center                 | C Distance                           | mm                              | 600              | 600              | 600              |             |
|                         | 5                | Engine type                 | Diesel, Battery, Gasoline, LPG       |                                 | Diesel           | Diesel           | Diesel           |             |
|                         | 6                | Driving position            | Pedestrian, Stand, Sit               |                                 | Sit              | Sit              | Sit              |             |
|                         | 7                | Tires                       | S=Solide, P=Pneumatic                | front/near                      | P(S)/P(S)        | P(S)/P(S)        | P(S)/P(S)        |             |
|                         | 8                | Weels (X=drive wheel)       | Number                               | front/near                      | 2x2              | 2x2              | 2x2              |             |
| Dimensions              | 9                |                             | h3 lift                              | mm                              | 3300             | 3300             | 3300             |             |
|                         | 10               | Lift at 2-stage mast        | h2 Standard free lift                | mm                              | 80               | 80               | 80               |             |
|                         | 11               |                             | h5 Optioal free lift                 |                                 | 1490             | 1490             | 1490             |             |
|                         | 12               |                             | Forks carrier                        | h8 Height of protection lattice | mm               | 1220             | 1220             | 1220        |
|                         | 13               | Fork size                   | Thickness(s)xWidth(e)xLength(l)      | mm                              | 50x150x1220      | 50x150x1220      | 50x150x1220      |             |
|                         | 14               | Mast tilting angle          | Forward( ) / Back ( )                | deg                             | 6°/12°           | 6°/12°           | 6°/12°           |             |
|                         | 15               | Dimensions                  | L2 Lenght to face of forks           | mm                              | 3110             | 3160             | 3310             |             |
|                         | 16               |                             | B Total width (std/wide tread)       | mm                              | 1450/1680        | 1450/1680        | 1450/1680        |             |
|                         | 17               |                             | h1 Height mast lowered               | mm                              | 2340             | 2340             | 2340             |             |
|                         | 18               |                             | h4 Height mast extened               | mm                              | 4520             | 4520             | 4520             |             |
|                         | 19               |                             | h6 Overhead guard height             | mm                              | 2330             | 2330             | 2330             |             |
|                         | 20               |                             | h7 Seat height                       | mm                              | 1220             | 1220             | 1220             |             |
|                         | 21               |                             | Turning radius                       | R                               | mm               | 2850             | 2900             | 3050        |
| 22                      | Load distance    | X From center of front axle | mm                                   | 570                             | 570              | 570              |                  |             |
| 23                      | working width    | Ast 800x1200/1000x1200      | mm                                   | 4420/4620                       | 4520/4720        | 4670/4870        |                  |             |
| Weight and Performance  | 24               | Speeds                      | Travel speed with load (H/L)         | km/h                            |                  |                  |                  |             |
|                         | 25               |                             | Travel speed without load (H/L)      | km/h                            | 21/23            | 21/23            | 21/23            |             |
|                         | 26               |                             | Lift speed: with/witout load         | m/s                             | 0.45/0.50        | 0.44/0.50        | 0.40/0.50        |             |
|                         | 27               |                             | Lowering speed:with/without load     | m/s                             | 0.40/0.40        | 0.40/0.40        | 0.40/0.40        |             |
|                         | 28               | Pulling power               | With load/without load               | N                               | 37400/18630      | 37385/18630      | 33203/18630      |             |
|                         | 29               | Path capacity               | with load (H/L)                      | %                               | 36               | 38               | 38               |             |
|                         | 30               |                             | without load (H/L)                   | %                               | 21               | 23               | 23               |             |
|                         | 31               | Service weight              |                                      | kg                              | 6420             | 6550             | 6700             |             |
|                         | 32               | Axle loading                | With load                            | kg                              | 8787/1633        | 10065/985        | 10782/918        |             |
|                         | 33               |                             | Without load                         | kg                              | 2625/3795        | 2692/3858        | 2718/3982        |             |
| Wheels and Tires        | 34               | Wheels                      | Number                               |                                 | 2/2              | 2/2              | 2/2              |             |
|                         | 35               | Wheels                      | Size                                 | front                           | 300x15-20PR      | 300x15-20PR      | 300x15-20PR      |             |
|                         | 36               |                             | rear                                 | 7.00x12-12PR                    | 7.00x12-12PR     | 7.00x12-12PR     |                  |             |
|                         | 37               | Wheelbase                   | y                                    | mm                              | 2000             | 2050             | 2200             |             |
|                         | 38               | Track                       | front/rear                           | mm                              | 1150(1380)1190   | 1150(1380)1190   | 1150(1380)1190   |             |
|                         | 39               | Ground clearance            | With load: m1 at lowest point        | mm                              | 140              | 140              | 140              |             |
|                         | 40               |                             | With load: m2 center of wheelbase    | mm                              | 230              | 230              | 230              |             |
|                         | 41               | Service brake               | Mechanical/Hydraulic                 |                                 | Hydraulic        | Hydraulic        | Hydraulic        |             |
| 42                      | Parking brake    | Operation                   |                                      | Hand                            | Hand             | Hand             |                  |             |
| Power unit Transmission | 43               | Battery                     | Type                                 |                                 | 95E41R (N100)    | 95E41R (N100)    | 95E41R (N100)    |             |
|                         | 44               |                             | Voltage                              | V                               | 12               | 12               | 12               |             |
|                         | 45               |                             | Capacity                             | (AH/5HR)                        | 100              | 100              | 100              |             |
|                         | 46               |                             | Weight                               | kg                              | 26.4             | 26.4             | 26.4             |             |
|                         | 47               | Dimension                   |                                      | mm                              | 410Lx175Bx233H   | 410Lx175Bx233H   | 410Lx175Bx233H   |             |
|                         | 48               | Engine                      | Manufacturer                         |                                 | PERKINS / Nissan | PERKINS / Nissan | PERKINS / Nissan |             |
|                         | 49               |                             | Model                                |                                 | 1004-42 / TD42   | 1004-42 / TD42   | 1004-42 / TD42   |             |
|                         | 50               |                             | Output                               | kw                              | 64 / 63          | 64 / 63          | 64 / 63          |             |
|                         | 51               |                             | Speed (full load governed)           | rpm                             | 2600 / 2850      | 2600 / 2850      | 2600 / 2850      |             |
|                         | 52               |                             |                                      |                                 |                  | 4 / 6            | 4 / 6            | 4 / 6       |
|                         |                  |                             | Number of cylinders/<br>displacement |                                 | -/cc             | 4230 / 4169      | 4230 / 4169      | 4230 / 4169 |
|                         | 53               |                             | Fuel consumption                     |                                 | g/HPh            | 225/1700         | 225/1700         | 225/1700    |
|                         | 54               | Transmission                | Type                                 |                                 | Powershift       | Powershift       | Powershift       |             |
| 55                      | Service pressure |                             | kg/cm <sup>2</sup>                   | 160                             | 160              | 160              |                  |             |

This is only for your reference and not subject to notice in advance if there is any modification.

**Ast = X+R+b+a**

**b = Load Lenght**

**a = Clearence (200 mm)**

