

**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                      |                             | 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/ displacement |                                 |                  | 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)**

