

**G-SERIES DIESEL FORKLIFT 42.0-48.0 TON**

| General                  | 1                        | Model                                      |                                      | FD420   | FD450        | FD480        |              |         |
|--------------------------|--------------------------|--|--------------------------------------|---------|--------------|--------------|--------------|---------|
|                          | 2                        | Power Type                                 |                                      | Diesel  | Diesel       | Diesel       |              |         |
| 3                        | Rated Capacity           |  | kg                                   | 42000   | 45000        | 48000        |              |         |
| 4                        | Load Centre              |  | mm                                   | 1200    | 1200         | 1200         |              |         |
| Characteristic&Dimension | 5                        | Lift Height                                |                                      | mm      | 4000         | 4000         |              |         |
|                          | 6                        | Fork Size                                  | L×W×T                                | mm      | 2440x300x135 | 2440x300x135 | 2440x300x135 |         |
|                          | 7                        | Mast Tilt Angle                            | F/R                                  | Deg     | 5°/10°       | 5°/10°       | 5°/10°       |         |
|                          | 8                        | Front Overhang (Wheel center to fork face) |                                      | mm      | 1240         | 1240         | 1240         |         |
|                          | 9                        | Ground Clearance (Bottom of mast)          |                                      | mm      | 305          | 305          | 305          |         |
|                          | 10                       | Overall Dimension                          | Length to face of fork(Without fork) |         | mm           | 7600         | 7800         |         |
|                          | 11                       |  | Overall Width                        |         | mm           | 4220         | 4220         |         |
|                          | 12                       |  | Mast Lowered Height                  |         | mm           | 4550         | 4550         |         |
|                          | 13                       |  | Mast Extended Height(With backrest)  |         | mm           | 6485         | 6485         |         |
|                          | 14                       | Overhead Guard Height                      |                                      | mm      | 3660         | 3660         | 3660         |         |
| 15                       | Turning Radius (outside) |  | mm                                   | 7500    | 7500         | 7500         |              |         |
| 16                       | Min. insecting aisle     |  | mm                                   | 11300   | 11300        | 11300        |              |         |
| Performance              | 17                       | Speed                                      | Travel (Empty load)                  |         | km/h         | 24           | 24           | 24      |
|                          | 18                       |  | Lifting(Full load)                   |         | mm/s         | 220          | 220          | 220     |
|                          | 19                       | Max.Gradeability                           |                                      | %       | 20           | 20           | 20           |         |
| Chassis                  | 20                       | Tire                                       | Front                                |         | 18.00-25     | 18.00-25     | 18.00-25     |         |
|                          | 21                       |  | Rear                                 |         | 18.00-25     | 18.00-25     | 18.00-25     |         |
|                          | 22                       | Wheelbase                                  |                                      | mm      | 5500         | 5500         | 5500         |         |
|                          | 23                       | Service weight                             |                                      | kg      | 53000        | 55000        | 60000        |         |
| Power&Transmission       | 24                       | Battery                                    | Voltage/Capacity                     |         | V/Ah         | 24/180       | 24/180       | 24/180  |
|                          | 25                       | Engine                                     | Model                                |         |              | TAD942VE     |              |         |
|                          | 26                       |  | Manufacture                          |         |              | VOLVO        |              |         |
|                          | 27                       |  | Rated output/r.p.m.                  |         | kw           | 250/2100     |              |         |
|                          | 28                       |  | Rated torque/r.p.m.                  |         | N·m          | 1617/1400    |              |         |
|                          | 29                       |  | No. of Cylinder                      |         |              | 6            |              |         |
|                          | 30                       |  | Bore×Stroke                          |         | mm           | 120 x 138    |              |         |
|                          | 31                       |  | Displacement                         |         | cc           | 9420         |              |         |
|                          | 32                       |  | Fuel Tank Capacity                   |         | L            | 550/630      | 550/630      | 550/630 |
|                          | 33                       | Transmission                               | Type                                 |         | Hydraulic    | Hydraulic    | Hydraulic    |         |
|                          | 34                       |  | Stage                                | FWD/RVS | 3/3          | 3/3          | 3/3          |         |
|                          | 35                       | Operating Pressure for Attachment          |                                      | Mpa     | 17.5         | 17.5         | 19           |         |

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