



G Series Diesel Forklift 16 Tonne

**THE DEPENDABLE
HEAVY LIFTER**

ERGONOMIC DESIGN WITH ROBUST CONSTRUCTION



HYDROSTATIC POWERING STEERING

- Hydrostatic power steering makes it easy to turn the heavy lifter.
- Smaller steering wheel (300 mm) takes just about 5 turns from lock - to - lock
- Articulated steer axle ensures wheel contact even on uneven surfaces.



CEV-IV COMPLIANT ENGINE FOR ECO-FRIENDLY OPERATIONS

- Equipped with powerful and efficient 6-cylinder water cooled, turbocharged CRDi engine churning out 158 HP at 2200 rpm.



ROBUST CONSTRUCTION

- Monocoque chassis with integral fuel and hydraulic tanks provides robust construction to withstand heavy duty applications.
- Heavy duty C-section mast reinforced with heavy tie bars. Designed to resist deflection in the mast caused due to off-center loading.



FOCUSED ON SAFETY AND ERGONOMICS

- Two steps and grab handles for operators to climb the truck safely with three point contact
- Parking brake and hydraulic levers placed beside the operator for comfort
- Operator cabin* provides safety to the operator while working in tough applications.



MULTIFUNCTIONAL LCD DISPLAY

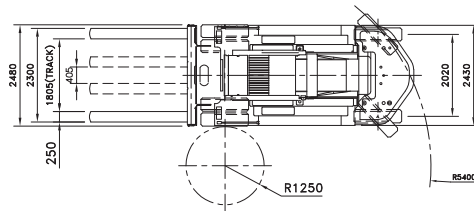
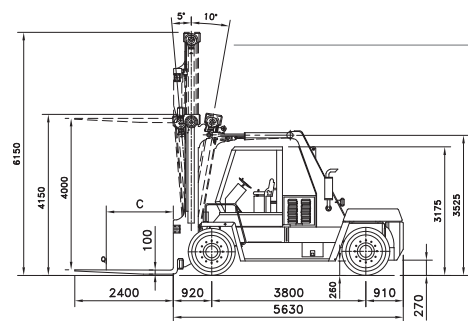
- The display screen toggles between various screens that share vital information about the operational parameters and fault codes for quick and easy diagnostics.
- Push button engine start; also prevents inadvertent re-cranking
- Onboard diagnostics is faster; more accurate troubleshooting
- 4 screens to display complete operation statistics

TECHNICAL SPECIFICATION

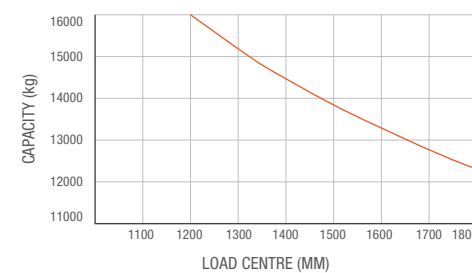
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|---------------------|-------------------------------------|--|------------------------------|------------------------------|
| Distinguishing mark | 1.1 | Manufacturer | - | Godrej |
| | 1.2 | Model | - | G 1600D |
| | 1.3 | Drive (Battery, Diesel, Petrol) | - | Diesel |
| | 1.4 | Operation (Manual, Pedestrian, Standing, Seated) | - | Seated |
| | 1.5 | Rated capacity/rated load | kg | 16000 |
| | 1.6 | Load centre distance | c (mm) | 1200 |
| | 1.8 | Load distance (Front Overhang) | x (mm) | 920 |
| | 1.9 | Wheelbase | y (mm) | 3800 |
| | Weight | 2.1 | Service weight incl. battery | kg |
| 2.3 | | Axle loading, unladen front/rear | kg | 13,120/13,420 |
| Tyres, chassis | 3.1 | Tyres | - | Cushion/ Pneumatic |
| | 3.2 | Tyre size, front | mm | 12x20"-20PR |
| | 3.3 | Tyre size, rear | mm | 12x20"-20PR |
| | 3.4 | Wheels, number front/rear | - | 4/2 |
| | 3.5 | Tread, front | b10 (mm) | 1805 |
| | 3.6 | Tread, rear | b11 (mm) | 2020 |
| Dimensions | 4.1 | Tilt of mast forward / backward | α/β (deg) | 5/10 OH Tilt |
| | 4.2 | Height, mast lowered | h1 (mm) | 4150 |
| | 4.3 | Free lift | h2 (mm) | 0 |
| | 4.4 | Lift | h3 (mm) | 4000 |
| | 4.5 | Height, mast extended* | h4 (mm) | 6150 |
| | 4.7 | Height of overhead guard (cabin) | h6 (mm) | 3175 |
| | 4.19 | Overall length | l1 (mm) | 8030 |
| | 4.2 | Length to face of forks | l2 (mm) | 5630 |
| | 4.21 | Overall width | b1 (mm) | 2480 |
| | 4.22 | Fork dimensions | s/e/l (mm) | 250/100/2400 |
| 4.25 | Fork spread (Max./ Min.) | b5 (mm) | 2300/905 | |
| 4.31 | Ground clearance, laden, below mast | m1 (mm) | 260 | |
| 4.35 | Turning radius | Wa (mm) | 5400 | |
| Performance | 5.1 | Travel speed, laden/unladen | km/h | (15/20) |
| | 5.2 | Lift speed, laden/unladen | m/s | 0.2 |
| | 5.3 | Lowering speed, laden/unladen | m/s | 0.3 |
| | 5.7 | Gradeability, laden/unladen | % | 25 |
| Engine | 7.1 | Engine manufacturer | | Ashok Leyland |
| | 7.2 | Engine power | kW | 118 (158 hp) |
| | 7.3 | Rated speed | rpm | 2200 |
| | 7.3.1 | Max. Torque | Nm/rpm | 650 Nm/ 1400-1600 rpm |
| Engine | 7.4 | No. of cylinders / displacement | no/cm3 | 6 |
| | 7.1 | Battery voltage / nominal capacity | V/Ah | 24 |
| Others | 8.1 | Type of Drive Unit | - | TT2421 2F/1R |
| | 8.1 | Fuel tank, Capacity | l | 400 |
| | 8.2 | Service Brake | - | Hydraulic Wet Disc Brakes |
| | 8.3 | Parking Brake | - | Hand operated dry disc brake |

Mast Table

| Type of Mast | Maximum Fork Height (MFH) | Overall Height Lowered (OAHL) | Overall Height Raised (OAHR) | Free Lift | Derated Capacity at MFH (kg) | Tilt angle | |
|--------------|---------------------------|-------------------------------|------------------------------|-----------|------------------------------|------------|---------|
| | | | | | | α | β |
| 2 Stage CV | 4000 | 4150 | 6150 | 0 | 16,000 | 5 | 10 |



CAPACITY CHART



* Cabin without doors



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SG:09/2023/Rev0