

3,000/3,500/4,000 lb Capacities

Engine Powered Forklift Trucks

Pneumatic Tire

MAIN VEHICLE SPECIFICATIONS

| | | | DOOSAN | DOOSAN | DOOSAN | DOOSAN | DOOSAN | DOOSAN | | |
|-------------------------------|---|--------------------------------|-------------------------------|------------------------|-----------------------------------|---------------------------------|-----------------------------------|-----------------------------------|---------------------------------|-----------------------------------|
| CHARACTERISTICS | 1 | Manufacture | | DOOSAN | DOOSAN | DOOSAN | DOOSAN | DOOSAN | DOOSAN | |
| | 2 | Model | | D15S-5 | D18S-5 | D20SC-5 | G15S-5 (TIER-3) | G18S-5 (TIER-3) | G20SC-5 (TIER-3) | |
| | 3 | Load Capacity | at rated load center | lb(kg) | 3,000 (1,500) | 3,500 (1,750) | 4,000 (2,000) | 3,000 (1,500) | 3,500 (1,750) | 4,000 (2,000) |
| | 4 | Load Center | | in(mm) | 24 (500) | 24 (500) | 24 (500) | 24 (500) | 24 (500) | 24 (500) |
| | 5 | Power type | Elec, Diesel, LPG, Gasoline | | Diesel | Diesel | Diesel | Gas, LP | Gas, LP | Gas, LP |
| | 6 | Operator type | | | driver seated | driver seated | driver seated | driver seated | driver seated | driver seated |
| | 7 | Tire type | P:Pnu, E:Solid Soft, C: Cush | | P | P | P | P | P | P |
| | 8 | Wheels (x=Driven) | Front / Rear | | X 2 / 2 | X 2 / 2 | X 2 / 2 | X 2 / 2 | X 2 / 2 | X 2 / 2 |
| DIMENSIONS | 9 | Max. Fork Height | with STD 2-stage mast | in(mm) | 129.9 (3,300) | 129.9 (3,300) | 129.9 (3,300) | 129.9 (3,300) | 129.9 (3,300) | 129.9 (3,300) |
| | 10 | Free Lift | | in(mm) | 5.3 (135) | 5.3 (135) | 5.5 (140) | 5.3 (135) | 5.3 (135) | 5.5 (140) |
| | 12 | Fork Carriage | ISO Class | | II | II | II | II | II | II |
| | 13 | Forks | Length x Width x Thickness | in (mm) | 35.4x3.9x1.4 (900x100x35) | 35.4x3.9x1.4 (900x100x35) | 35.4x3.9x1.6 (900x100x40) | 35.4x3.9x1.4 (900x100x35) | 35.4x3.9x1.4 (900x100x35) | 35.4x3.9x1.6 (900x100x40) |
| | | | Fork Spacing(Min x Max) | in (mm) | 9.5x35.6 (240x905) | 9.5x35.6 (240x905) | 9.5x35.6 (240x905) | 9.5x35.6 (240x905) | 9.5x35.6 (240x905) | 9.5x35.6 (240x905) |
| | 14 | Tilt of Mast | Forward / Backward | deg | 6 / 8 | 6 / 8 | 6 / 8 | 6 / 8 | 6 / 8 | 6 / 8 |
| | 17 | Overall Dimensions | Length to Fork Face | in(mm) | 85.4 (2,170) | 87.2 (2,215) | 88.6 (2,250) | 85.4 (2,170) | 87.2 (2,215) | 88.6 (2,250) |
| | | | Overall Width | in(mm) | 42.1 (1,070) | 42.1 (1,070) | 42.1 (1,070) | 42.1 (1,070) | 42.1 (1,070) | 42.1 (1,070) |
| | | | Mast Lowered Height | in(mm) | 86 (2,185) | 86 (2,185) | 86 (2,185) | 86 (2,185) | 86 (2,185) | 86 (2,185) |
| | | | Mast Extended Height | in(mm) | 171.5 (4,355) | 171.5 (4,355) | 171.7 (4,360) | 171.5 (4,355) | 171.5 (4,355) | 171.7 (4,360) |
| | | | Overhead Guard Height | in(mm) | 85.4 (2,170) | 85.4 (2,170) | 85.4 (2,170) | 85.4 (2,170) | 85.4 (2,170) | 85.4 (2,170) |
| | | | Seat Height | in(mm) | 39.6 (1,005) | 39.6 (1,005) | 39.6 (1,005) | 39.6 (1,005) | 39.6 (1,005) | 39.6 (1,005) |
| | 21 | Turning Radius | Minimum outside | in(mm) | 77.8 (1,977) | 79.6 (2,022) | 80.7 (2,050) | 77.8 (1,977) | 79.6 (2,022) | 80.7 (2,050) |
| 22 | Load Moment Center | | in(mm) | 15.5 (394) | 15.5 (394) | 15.7 (399) | 15.5 (394) | 15.5 (394) | 15.7 (399) | |
| 23 | Aisle 90 degree stacking(add load length & clearance) | | in(mm) | 92.9 (2,360) | 94.4 (2,398) | 95.4 (2,422) | 92.9 (2,360) | 94.4 (2,398) | 95.4 (2,422) | |
| PERFORMANCE | 24 | Travel Speed | Loaded / Unloaded | mph (km/h) | 11.8 / 12.4 (19 / 20) | 11.8 / 12.4 (19 / 20) | 11.8 / 12.4 (19 / 20) | 11.2 / 11.8 (18 / 19) | 11.2 / 11.8 (18 / 19) | 11.2 / 11.8 (18 / 19) |
| | 25 | Lifting Speed | Loaded / Unloaded | fpm (mm/s) | 118.1 / 128.0 (600 / 650) | 118.1 / 128.0 (600 / 650) | 118.1 / 128.0 (600 / 650) | 118.1 / 128.0 (600 / 650) | 118.1 / 128.0 (600 / 650) | 118.1 / 128.0 (600 / 650) |
| | 26 | Lowering Speed | Loaded / Unloaded | fpm (mm/s) | 98.4 / 88.6 (500 / 450) | 98.4 / 88.6 (500 / 450) | 98.4 / 88.6 (500 / 450) | 98.4 / 88.6 (500 / 450) | 98.4 / 88.6 (500 / 450) | 98.4 / 88.6 (500 / 450) |
| | 28 | Max. drawbar pull | Loaded at 1.0 mph (1.6km / h) | lb(kg) | 3,086.5 (1,400) | 3,086.5 (1,400) | 3,086.5 (1,400) | 3,086.5 (1,400) | 3,086.5 (1,400) | 3,086.5 (1,400) |
| | 30 | Max. gradeability | Loaded at 1.0 mph (1.7km / h) | % | 32 | 30 | 29 | 37 | 32 | 30 |
| WEIGHT | 32 | Total Service Weight, Unloaded | | lb(kg) | 6,349.3 (2,880) | 6,812.3 (3,090) | 7,165 (3,250) | 6,172.9 (2,800) | 6,635.9 (3,010) | 6,988.6 (3,170) |
| | 33 | Axle Load | Loaded, Front / Rear | lb (kg) | 8,377.6 / 1,278.7 (3,800 / 580) | 9,182.2 / 1,492.5 (4,165 / 677) | 10,020 / 1,492.5 (4,545 / 705) | 8,322.4 / 1,157.4 (3,775 / 525) | 9,127.2 / 1,366.9 (4,140 / 620) | 9,946.9 / 1,433 (4,520 / 650) |
| | | | Unloaded, Front / Rear | lb (kg) | 2,954.2 / 3,493.2 (1,340 / 1,560) | 2,844 / 4,056.5 (1,290 / 1,840) | 2,777.2 / 4,387.2 (1,260 / 1,990) | 2,910.1 / 3,273.9 (1,320 / 1,485) | 2,799.9 / 3,836 (1,270 / 1,740) | 2,722.2 / 4,265.9 (1,235 / 1,935) |
| CHASSIS | 35 | | Number of wheels(F / R) | | 2 / 2 | 2 / 2 | 2 / 2 | 2 / 2 | 2 / 2 | 2 / 2 |
| | 36 | Tires | Size, Front | | 6.50x10-12 | 6.50x10-12 | 6.50x10-12 | 6.50x10-12 | 6.50x10-12 | 6.50x10-12 |
| | | | Size, Rear | | 5.00x8-10 | 5.00x8-10 | 5.00x8-10 | 5.00x8-10 | 5.00x8-10 | 5.00x8-10 |
| | 38 | Wheel Base | Distance | in(mm) | 55.1(1,400) | 55.1(1,400) | 55.1(1,400) | 55.1(1,400) | 55.1(1,400) | 55.1(1,400) |
| | 39 | Tread Width | Front / Rear | in (mm) | 35.0 / 35.8 (890 / 910) | 35.0 / 35.8 (890 / 910) | 35.0 / 35.8 (890 / 910) | 35.0 / 35.8 (890 / 910) | 35.0 / 35.8 (890 / 910) | 35.0 / 35.8 (890 / 910) |
| | | | | | | | | | | |
| | 40 | Ground Clearance | Loaded at the lowest point | in(mm) | 4.7 (120) | 4.7 (120) | 4.7 (120) | 4.7 (120) | 4.7 (120) | 4.7 (120) |
| Loaded at center of wheelbase | | | in(mm) | 5.9 (150) | 5.9 (150) | 5.9 (150) | 5.9 (150) | 5.9 (150) | 5.9 (150) | |
| 42 | Brakes | Service | | Foot / Hyd | Foot / Hyd | Foot / Hyd | Foot / Hyd | Foot / Hyd | Foot / Hyd | |
| 43 | | Parking | | Hand / Mech | Hand / Mech | Hand / Mech | Hand / Mech | Hand / Mech | Hand / Mech | |
| POWER TRAIN | 45 | Battery | Voltage / Ampere | V / AH | 12 / 60 | 12 / 60 | 12 / 60 | 12 / 45 | 12 / 45 | 12 / 45 |
| | 49 | | Manufacturer / Model | | CUMMINS / A2300 | CUMMINS / A2300 | CUMMINS / A2300 | G420FE | G420FE | G420FE |
| | 50 | Engine | Rated Power(DIN) | HP/rpm kW/rpm | 44 / 2,400 33 / 2,400 | 44 / 2,400 33 / 2,400 | 44 / 2,400 33 / 2,400 | 47 / 2,300 35 / 2,300 | 47 / 2,300 35 / 2,300 | 47 / 2,300 35 / 2,300 |
| | | | Maximum Torque | lb · ft/rpm kg · m/rpm | 110 / 1,600 15 / 1,600 | 110 / 1,600 15 / 1,600 | 110 / 1,600 15 / 1,600 | 113 / 1,600 16 / 1,600 | 113 / 1,600 16 / 1,600 | 113 / 1,600 16 / 1,600 |
| | | | Cylinders / Displacements | in(cc) | 4 / 4 (2,290) | 4 / 4 (2,290) | 4 / 4 (2,290) | 4 / 4 (1,975) | 4 / 4 (1,975) | 4 / 4 (1,975) |
| | 55 | Transmission | Type | | powershift | powershift | powershift | powershift | powershift | powershift |
| | | | Number of Speed (Fwd / Rev) | | 1 / 1 | 1 / 1 | 1 / 1 | 1 / 1 | 1 / 1 | 1 / 1 |
| 57 | Hydraulic Pressure | System | psi(bar) | 2,552 (176) | 2,880 (199) | 3,132 (216) | 2,552 (176) | 2,880 (199) | 3,132 (216) | |
| | | Attachment | psi(bar) | 2,552 (176) | 2,880 (199) | 3,132 (216) | 2,552 (176) | 2,880 (199) | 3,132 (216) | |

Note: Specification values quoted in this specification sheet has been rounded. Performance may vary due to operation conditions.

Products and specifications are subject to improvement and change without prior notices.