



TECHNICAL SPECIFICATIONS

Pneumatic Forklift Trucks

CD15S / CD18S-5 & CD20SC-5
CG15S / CG18S-5 & CG20SC-5
1,500kg to 2,000kg Capacity

PRO5
SERIES



1,500/1,750/2,000 kg Capacities

Engine Powered Forklift Trucks

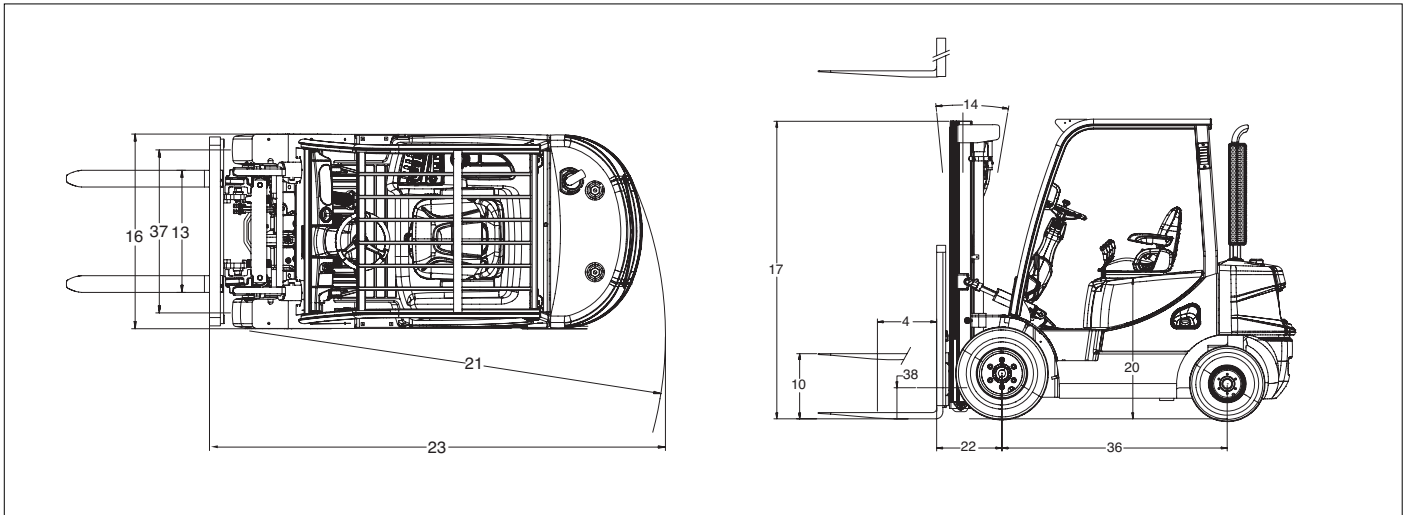
Pneumatic Tyre

MAIN VEHICLE SPECIFICATIONS

| | | | | CD15S-5 | CD18S-5 | CD20SC-5 | CG15S-5 | CG18S-5 | CG20SC-5 | |
|-----------------|---|--------------------------------|-------------------------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|
| CHARACTERISTICS | 2 | Model | | CD15S-5 | CD18S-5 | CD20SC-5 | CG15S-5 | CG18S-5 | CG20SC-5 | |
| | 3 | Load Capacity | at rated load centre | kg | 1,500 | 1,750 | 2,000 | 1,500 | 1,750 | 2,000 |
| | 4 | Load Centre | | mm | 500 | 500 | 500 | 500 | 500 | 500 |
| | 5 | Power type | Elec, Diesel, LPG, Gasoline | | Diesel | Diesel | Diesel | LP | LP | LP |
| | 6 | Operator type | | | driver seated | driver seated | driver seated | driver seated | driver seated | driver seated |
| | 7 | Tyre 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 | mm | 3,300 | 3,300 | 3,300 | 3,300 | 3,300 | 3,300 |
| | 10 | Free Lift | | mm | 135 | 135 | 140 | 135 | 135 | 140 |
| | 12 | Fork Carriage | ISO Class | | II | II | II | II | II | II |
| | 13 | Forks | Length x Width x Thickness | mm | 1050x100x35 | 1050x100x35 | 1050x100x40 | 1050x100x35 | 1050x100x35 | 1050x100x40 |
| | | | Fork Spacing(Min x Max) | mm | 240x905 | 240x905 | 240x905 | 240x905 | 240x905 | 240x905 |
| | 14 | Tilt of Mast | Forward/Backward | deg | 6 / 8 | 6 / 8 | 6 / 8 | 6 / 8 | 6 / 8 | 6 / 8 |
| | 15 | Overall Dimensions | Length to Fork Face | mm | 2,170 | 2,215 | 2,250 | 2,170 | 2,215 | 2,250 |
| | | | Overall Width | mm | 1,070 | 1,070 | 1,070 | 1,070 | 1,070 | 1,070 |
| | | | Mast Lowered Height | mm | 2,185 | 2,185 | 2,185 | 2,185 | 2,185 | 2,185 |
| | | | Mast Extended Height | mm | 4,355 | 4,355 | 4,360 | 4,355 | 4,355 | 4,360 |
| | | | Overhead Guard Height | mm | 2,170 | 2,170 | 2,170 | 2,170 | 2,170 | 2,170 |
| | 19 | Seat Height | | mm | 1,005 | 1,005 | 1,005 | 1,005 | 1,005 | 1,005 |
| | 21 | Turning Radius | Minimum outside | mm | 1,977 | 2,022 | 2,050 | 1,977 | 2,022 | 2,050 |
| 22 | Load Moment Centre | | mm | 394 | 394 | 399 | 394 | 394 | 399 | |
| 23 | Aisle 90 degree stacking(add load length & clearance) | | mm | 2,360 | 2,398 | 2,422 | 2,360 | 2,398 | 2,422 | |
| PERFORMANCE | 24 | Travel Speed | Loaded/Unloaded | km/h | 19 / 20 | 19 / 20 | 19 / 20 | 18 / 19 | 18 / 19 | 18 / 19 |
| | 25 | Lifting Speed | Loaded/Unloaded | mm/s | 600 / 630 | 600 / 630 | 600 / 630 | 600 / 650 | 600 / 650 | 600 / 650 |
| | 26 | Lowering Speed | Loaded/Unloaded | mm/s | 500 / 450 | 500 / 450 | 500 / 450 | 500 / 450 | 500 / 450 | 500 / 450 |
| | 28 | Max. drawbar pull | Loaded at 1.0 mph (1.6km/h) | kg | 1,400 | 1,400 | 1,400 | 1,440 | 1,430 | 1,420 |
| | 30 | Max. gradeability | Loaded at 1.0 mph (1.7km/h) | % | 32 | 30 | 29 | 35.5 | 31.0 | 28.5 |
| WEIGHT | 32 | Total Service Weight, Unloaded | | kg | 2,880 | 3,090 | 3,250 | 2,800 | 3,010 | 3,170 |
| | 33 | Axle Load | Loaded, Front/Rear | kg | 3,800 / 580 | 4,165 / 677 | 4,545 / 705 | 3,775 / 525 | 4,140 / 620 | 4,520 / 650 |
| | | | Unloaded, Front/Rear | kg | 1,340 / 1,560 | 1,290 / 1,840 | 1,260 / 1,990 | 1,320 / 1,485 | 1,270 / 1,740 | 1,235 / 1,935 |
| CHASSIS | 35 | | Number of wheels(F/R) | | 2 / 2 | 2 / 2 | 2 / 2 | 2 / 2 | 2 / 2 | 2 / 2 |
| | 36 | Tyres | 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 | mm | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 |
| | 39 | Tread Width | Front/Rear | mm | 890 / 910 | 890 / 910 | 890 / 910 | 890 / 910 | 890 / 910 | 890 / 910 |
| | 40 | Ground Clearance | Loaded at the lowest point | mm | 120 | 120 | 120 | 120 | 120 | 120 |
| | | | Loaded at centre of wheelbase | mm | 150 | 150 | 150 | 150 | 150 | 150 |
| 42 | Brakes | Service | | Foot / Hyd | Foot / Hyd | Foot / Hyd | Foot / Hyd | Foot / Hyd | Foot / Hyd | |
| | | Parking | | Hand / Mech | Hand / Mech | Hand / Mech | Hand / Mech | Hand / Mech | Hand / Mech | |
| 43 | | | | | | | | | | |
| 45 | Battery | Voltage/Ampere | V/AH | 12 / 60 | 12 / 60 | 12 / 60 | 12 / 45 | 12 / 45 | 12 / 45 | |
| POWER TRAIN | 49 | Manufacturer/Model | | Kubota/V2403 | Kubota/V2403 | Kubota/V2403 | HMC/G424(E) | HMC/G424(E) | HMC/G424(E) | |
| | | | | | | | | | | |
| | 50 | Engine | Rated Power(DIN) | HP/rpm | 45.8 / 2,400 | 45.8 / 2,400 | 45.8 / 2,400 | 45.5 / 2,450 | 45.5 / 2,450 | 45.5 / 2,450 |
| | | | | kW/rpm | 34.2 / 2,400 | 34.2 / 2,400 | 34.2 / 2,400 | 33.9 / 2,450 | 33.9 / 2,450 | 33.9 / 2,450 |
| | 51 | | Maximum Torque | kg . m/rpm | 15.9 / 1,600 | 15.9 / 1,600 | 15.9 / 1,600 | 15.1 / 1,600 | 15.1 / 1,600 | |
| 52 | | Cylinders/Displacements | cc | 4 / 2,434 | 4 / 2,434 | 4 / 2,434 | 4 / 2,359 | 4 / 2,359 | 4 / 2,359 | |
| 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 | bar | 176 | 199 | 216 | 176 | 199 | 216 | |
| | | Attachment | bar | 176 | 199 | 216 | 176 | 199 | 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.

MAST SPECIFICATIONS and RATED CAPACITIES



CD/CG15S-5

| Mast type | Maximum Fork Height | Maximum Lowered Height | Fully Extended Height | Free Lift | Rated Load Capacities | | |
|-----------|---------------------|------------------------|-----------------------|--------------------|-----------------------|-----|-----------------|
| | | | | | CD/CG15S-5 | | |
| | | | | | Tilt Angle | | Load Capacities |
| | | | With Load Backrest | With Load Backrest | FWD | BWD | LC 500mm |
| | mm | mm | mm | mm | deg | deg | kg |
| STD | 3000 | 2035 | 4055 | 135 | 6 | 8 | 1500 |
| | 3300 | 2185 | 4355 | 135 | 6 | 8 | 1500 |
| | 3500 | 2285 | 4555 | 135 | 6 | 8 | 1500 |
| | 3700 | 2385 | 4755 | 135 | 6 | 8 | 1500 |
| | 4000 | 2585 | 5055 | 135 | 6 | 8 | 1500 |
| FF | 4500 | 2835 | 5555 | 135 | 6 | 8 | 1500 |
| | 2700 | 1885 | 3755 | 880 | 6 | 8 | 1500 |
| | 3000 | 2035 | 4055 | 1030 | 6 | 8 | 1500 |
| FFT | 3300 | 2185 | 4355 | 1180 | 6 | 8 | 1500 |
| | 4000 | 1915 | 5055 | 910 | 6 | 8 | 1500 |
| | 4500 | 2080 | 5555 | 1075 | 6 | 8 | 1475 |
| | 4750 | 2165 | 5805 | 1160 | 6 | 8 | 1425 |
| | 5000 | 2280 | 6055 | 1275 | 6 | 5 | 1400 |
| | 5500 | 2515 | 6555 | 1510 | 6 | 5 | 1275 |
| | 6000 | 2680 | 7055 | 1675 | 6 | 5 | 975 |

CD/CG18S-5

| Mast type | Maximum Fork Height | Maximum Lowered Height | Fully Extended Height | Free Lift | Rated Load Capacities | | |
|-----------|---------------------|------------------------|-----------------------|--------------------|-----------------------|-----|-----------------|
| | | | | | CD/CG18S-5 | | |
| | | | | | Tilt Angle | | Load Capacities |
| | | | With Load Backrest | With Load Backrest | FWD | BWD | LC 500mm |
| | mm | mm | mm | mm | deg | deg | kg |
| STD | 3000 | 2035 | 4055 | 135 | 6 | 8 | 1750 |
| | 3300 | 2185 | 4355 | 135 | 6 | 8 | 1750 |
| | 3500 | 2285 | 4555 | 135 | 6 | 8 | 1750 |
| | 3700 | 2385 | 4755 | 135 | 6 | 8 | 1750 |
| | 4000 | 2585 | 5055 | 135 | 6 | 8 | 1750 |
| FF | 4500 | 2835 | 5555 | 135 | 6 | 8 | 1750 |
| | 2700 | 1885 | 3755 | 880 | 6 | 8 | 1750 |
| | 3000 | 2035 | 4055 | 1030 | 6 | 8 | 1750 |
| FFT | 3300 | 2185 | 4355 | 1180 | 6 | 8 | 1750 |
| | 4000 | 1915 | 5055 | 910 | 6 | 8 | 1750 |
| | 4500 | 2080 | 5555 | 1075 | 6 | 8 | 1750 |
| | 4750 | 2165 | 5805 | 1160 | 6 | 8 | 1500 |
| | 5000 | 2280 | 6055 | 1275 | 6 | 5 | 1575 |
| | 5500 | 2515 | 6555 | 1510 | 6 | 5 | 1200 |
| | 6000 | 2680 | 7055 | 1675 | 6 | 5 | 900 |

CD/CG20SC-5

| Mast type | Maximum Fork Height | Maximum Lowered Height | Fully Extended Height | Free Lift | Rated Load Capacities | | |
|-----------|---------------------|------------------------|-----------------------|--------------------|-----------------------|-----|-----------------|
| | | | | | CD/CG20SC-5 | | |
| | | | | | Tilt Angle | | Load Capacities |
| | | | With Load Backrest | With Load Backrest | FWD | BWD | LC 500mm |
| | mm | mm | mm | mm | deg | deg | kg |
| STD | 3000 | 2035 | 4060 | 140 | 6 | 8 | 2000 |
| | 3300 | 2185 | 4360 | 140 | 6 | 8 | 2000 |
| | 3500 | 2285 | 4560 | 140 | 6 | 8 | 2000 |
| | 3700 | 2385 | 4760 | 140 | 6 | 8 | 2000 |
| | 4000 | 2585 | 5060 | 140 | 6 | 8 | 2000 |
| FF | 4500 | 2835 | 5560 | 140 | 6 | 8 | 1675 |
| | 2700 | 1885 | 3760 | 880 | 6 | 8 | 2000 |
| | 3000 | 2035 | 4060 | 1030 | 6 | 8 | 2000 |
| FFT | 3300 | 2185 | 4360 | 1180 | 6 | 8 | 2000 |
| | 4000 | 1915 | 5060 | 910 | 6 | 8 | 2000 |
| | 4500 | 2080 | 5560 | 1075 | 6 | 8 | 1700 |
| | 4750 | 2165 | 5810 | 1160 | 6 | 5 | 1750 |
| | 5000 | 2280 | 6060 | 1275 | 6 | 5 | 1525 |
| | 5500 | 2515 | 6560 | 1510 | 6 | 5 | 1150 |
| | 6000 | 2680 | 7060 | 1675 | 6 | 5 | 850 |



PRO5 SERIES



CG15S / CG18S-5 & CG20SC-5
1,500kg 1,750kg 2,000kg
LP, Gas, Pneumatic Tyre



CD15S / CD18S-5 & CD20SC-5
1,500kg 1,750kg 2,000kg
Diesel, Pneumatic Tyre

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