

UNICARRIERS®

□ FORKLIFT □

TOTAL

WAREHOUSE

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833-868-2500

Platinum GO6 Series



Engine Powered Forklifts

Diesel

15,500 – 22,000 lbs. Capacities | Pneumatic Tire

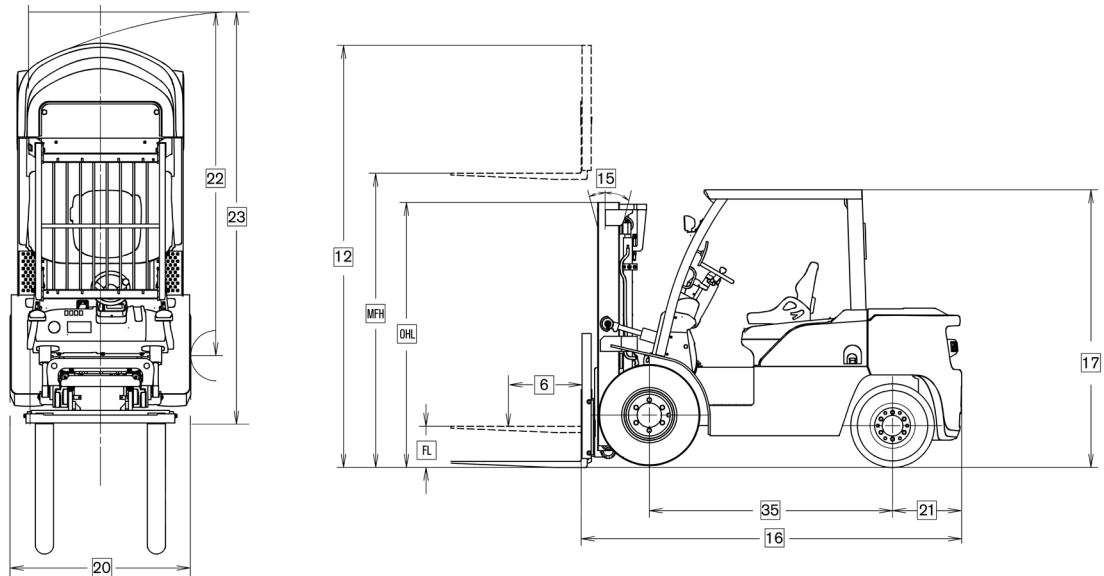


S P E C I F I C A T I O N S

MAIN TRUCK SPECIFICATIONS

| CHARACTERISTICS | 1 | Manufacturer's Name | | | UniCarriers | UniCarriers | UniCarriers |
|------------------|----|------------------------|------------------------------------|-----------------------|--------------------------------|--------------------------------|--------------------------------|
| | 2 | Model | Model designation | | FD70-2 | FD80-2 | FD100-2 |
| | 3 | Long model code | | | L1F6F70M | L1F6F80M | L1F6F100M |
| | 4 | Power Type | | | Diesel | Diesel | Diesel |
| | 5 | Rated Load Capacity | | lb (kg) | 15,500 (7000) | 17,500 (8000) | 22,000 (10,000) |
| | 6 | Load Center | Distance | in (mm) | 24 (600) | 24 (600) | 24 (600) |
| | 7 | Operator Orientation | | | Sit | Sit | Sit |
| DIMENSIONS | 8 | Tire Type | Front & rear | | Pneumatic | Pneumatic | Pneumatic |
| | 9 | Wheels | Number - front/rear(x=driven) | | 4x / 2 | 4x / 2 | 4x / 2 |
| | 10 | Mast | Maximum fork height | in (mm) | 118 (3000) | 118 (3000) | 118 (3000) |
| | 11 | | Mast lowered (OHL) | in (mm) | 98.5 (2500) | 106.3 (2700) | 112.2 (2850) |
| | 12 | | Mast extended w/ LBR | in (mm) | 174.1 (4420) | 174.1 (4420) | 170.5 (4330) |
| | 13 | | Standard freelif | in (mm) | 8.4 (210) | 8.0 (205) | 8.1 (205) |
| | 14 | Fork Size | Length x thickness x width | in (mm) | 48 x 6 x 2.8 (1220 x 150 x 70) | 48 x 6 x 2.8 (1220 x 150 x 70) | 48 x 7.1 x 3 (1220 x 180 x 75) |
| | 15 | Tilt Angle | Standard mast - fwd/back | degree | 6 / 12 | 6 / 12 | 6 / 12 |
| | 16 | Overall Dimensions | Length (to face of forks) | in (mm) | 143.3 (3640) | 156.7 (3980) | 167.1 (4245) |
| | 17 | | Height - top of OHG | in (mm) | 99.6 (2530) | 103.9 (2640) | 103.9 (2640) |
| | 18 | | Height - top of standard LBR | in (mm) | 53.7 (1365) | 53.5 (1360) | — |
| | 19 | | Width - standard carriage | in (mm) | 72.6 (1845) | 79.3 (2015) | — |
| PERFORMANCE | 20 | Overall Width | | in (mm) | 78.5 (1995) | 85.2 (2165) | 88.4 (2245) |
| | 21 | Rear Overhang | | in (mm) | 30.1 (765) | 30 (760) | 28.9 (735) |
| | 22 | Turning Radius | Minimum outside | in (mm) | 133.1 (3380) | 142.9 (3630) | 152.8 (3880) |
| | 23 | Min Right Angle Stack | Add load length & clearance | in (mm) | 157.7 (4005) | 171.2 (4350) | 180.8 (4595) |
| | 24 | Travel Speed Forward | Maximum - loaded / unloaded | mph (km/h) | 18 / 19.2 (29 / 31) | 17.7 / 19.9 (28.5 / 32) | 17.7 / 19.9 (28.5 / 32) |
| | 25 | Lifting Speed | Maximum - loaded / unloaded | fpm (mm/sec) | 98.4 / 102.4 (500 / 520) | 88.6 / 92.5 (450 / 470) | 74.8 / 78.7 (380 / 400) |
| | 26 | Lowering Speed | Maximum - loaded / unloaded | fpm (mm/sec) | 88.6 / 98.4 (450 / 500) | 88.6 / 88.6 (450 / 450) | 88.6 / 68.9 (450 / 350) |
| WEIGHT | 27 | Drawbar Pull Maximum | Full load - at 1 mph | lb (kN) | 12,300 (54.9) | 13,500 (59.8) | 14,300 (63.7) |
| | 28 | | No load - at 1 mph | lb (kN) | 4900 (21.6) | 6200 (27.5) | 7100 (31.4) |
| | 29 | Gradeability Maximum | Full load / no load - at 1 mph | % | 31 / 16 | 28 / 20 | 22 / 20 |
| | 30 | Truck Weight | No load - standard truck | lb (kg) | 21,120 (9580) | 24,810 (11,250) | 27,630 (12,530) |
| | 31 | Weight Distribution | Front axle - empty | lb (kg) | 8510 (3860) | 10,830 (4910) | 12,630 (5730) |
| | 32 | | Rear axle - empty | lb (kg) | 12,610 (5720) | 13,980 (6340) | 14,990 (6800) |
| | 33 | | Front axle - with rated load | lb (kg) | 32,350 (14,670) | 37,770 (17,130) | 44,980 (20,400) |
| CHASSIS & WHEELS | 34 | | Rear axle - with rated load | lb (kg) | 4210 (1910) | 4670 (2120) | 4700 (2130) |
| | 35 | Wheelbase | | in (mm) | 88.6 (2250) | 98.4 (2500) | 110.2 (2800) |
| | 36 | Tires | Number (front/rear) | | 4 / 2 | 4 / 2 | 4 / 2 |
| | 37 | | Front size | | 8.25 x 15 - 14 PR | 9.00 x 20 - 14 PR | 9.00 x 20 - 14 PR |
| | 38 | | Rear size | | 8.25 x 15 - 14 PR | 9.00 x 20 - 14 PR | 9.00 x 20 - 14 PR |
| | 39 | Tread - Center of Tire | Front | in (mm) | 57.9 (1470) | 63.0 (1600) | 63.0 (1600) |
| | 40 | | | | | | |
| | 41 | | Rear Tread | in (mm) | 66.9 (1700) | 66.9 (1700) | 66.9 (1700) |
| | 42 | Headroom | | in (mm) | 45.3 (1150) | 45.3 (1150) | 45.3 (1150) |
| | 43 | Counterweight Height | | in (mm) | 59.1 (1500) | 63.4 (1610) | 63.4 (1610) |
| | 44 | Floor Height | | in (mm) | 36.8 (935) | 41.1 (1045) | 41.1 (1045) |
| | 45 | Underclearance | Minimum full load/Center wheelbase | in (mm) | 6.7 (170) / 9.6 (245) | 8.5 (215) / 12.8 (325) | 9.6 (245) / 12.8 (325) |
| | 46 | Service Brake | Type | | Foot, Hydraulic Boost | Foot, Hydraulic Boost | Foot, Hydraulic Boost |
| DRIVE LINE | 47 | Parking Brake | Type | | Hand, Mechanical | Hand, Mechanical | Hand, Mechanical |
| | 48 | Battery | Voltage / Capacity (5 Hour) | | 24/70 | 24/70 | 24/70 |
| | 49 | Engine | Model | | Isuzu 4HKI-TC | Isuzu 4HKI-TC | Isuzu 4HKI-TC |
| | 50 | Rated Output | SAE gross | hp(kW)@rpm | 117 (87) @ 2000 | 117 (87) @ 2000 | 117 (87) @ 2000 |
| | 51 | Rated Torque | SAE gross | ft-lb(Nm)@rpm | 359 (487) @ 1500 | 359 (487) @ 1500 | 359 (487) @ 1500 |
| | 52 | Displacement | | cu in (L) | 317 (5.2) | 317 (5.2) | 317 (5.2) |
| | 53 | Fuel Tank | Capacity | 1 gal (L) | 37 (140) | 37 (140) | 37 (140) |
| | 54 | Transmissions | Type / # Speeds (frwd/rev) | | Automatic Powershift - 2/2 | Automatic Powershift - 2/2 | Automatic Powershift - 2/2 |
| | 55 | Operating Pressure | For attachment | (kg/cm ³) | 2844 (200) | 2844 (200) | 2844 (200) |

DIMENSIONS



MAST SPECIFICATIONS & RATED CAPACITIES

| Mast Type | Mast Name | Maximum Fork Height | Overall Height | | | Free Lift | | Tilt Angle | Rated Capacity at 24" Load Center |
|----------------------------|-----------|---------------------|----------------|----------------|--------------|--------------|--------------|------------|-----------------------------------|
| | | | Lowered | Fully Extended | | | | | FD70-2 |
| | | | | With LBR | Without LBR | With LBR | Without LBR | Fwd/ Bkwd | Dual Drive |
| | | | | in (mm) | in (mm) | in (mm) | in (mm) | in (mm) | in (mm) |
| TWO STAGE (Wide view) | 2W300 | 118 (3000) | 98.5 (2500) | 174.1 (4422) | 162.3 (4122) | 8.4 (213) | 8.4 (213) | 6/12 | 15500 (7030) |
| | 2W330 | 130 (3300) | 104.4 (2650) | 185.9 (4722) | 174.1 (4422) | 8.4 (213) | 8.4 (213) | 6/12 | 15500 (7030) |
| | 2W350 | 138 (3500) | 108.3 (2750) | 193.8 (4922) | 181.9 (4618) | 8.4 (213) | 8.4 (213) | 6/12 | 15500 (7030) |
| | 2W400 | 157 (4000) | 120.1 (3050) | 213.4 (5420) | 201.6 (5120) | 8.4 (213) | 8.4 (213) | 6/12 | 15500 (7030) |
| | 2W450 | 177 (4500) | 130.0 (3300) | 233.1 (5920) | 221.3 (5621) | 8.4 (213) | 8.4 (213) | 6/12 | 15500 (7030) |
| | 2W500 | 197 (5000) | 139.8 (3550) | 252.8 (6421) | 241.0 (6122) | 8.4 (213) | 8.4 (213) | 6/6 | 15500 (7030) |
| | 2W550 | 216 (5500) | 151.6 (3850) | 272.5 (6922) | 260.7 (6622) | 8.4 (213) | 8.4 (213) | 3/6 | 14500 (6575) |
| | 2W600 | 236 (6000) | 161.5 (4100) | 292.2 (7422) | 280.4 (7112) | 8.4 (213) | 8.4 (213) | 3/6 | 14100 (6395) |
| TWO STAGE (Full free) | 2F300 | 118 (3000) | 103.4 (2625) | 174.1 (4422) | 161.3 (4100) | 49.4 (1255) | 62.2 (1552) | 6/12 | 15500 (7030) |
| | 2F330 | 130 (3300) | 109.3 (2775) | 185.9 (4722) | 173.1 (4396) | 55.3 (1405) | 68.1 (1730) | 6/12 | 15500 (7030) |
| | 2F350 | 138 (3500) | 113.2 (2875) | 193.8 (4922) | 181.0 (4597) | 59.2 (1504) | 72.0 (1829) | 6/12 | 15500 (7030) |
| | 2F400 | 157 (4000) | 125.0 (3175) | 213.4 (5420) | 200.6 (5095) | 71.0 (1803) | 83.8 (2129) | 6/12 | 15500 (7030) |
| | 2F450 | 177 (4500) | 134.9 (3425) | 233.1 (5920) | 220.3 (5595) | 80.9 (2055) | 93.7 (2380) | 6/12 | 15500 (7030) |
| THREE STAGE (Full free) | 3F400 | 157 (4000) | 98.5 (2500) | 212.6 (5400) | 199.9 (5077) | 44.4 (1128) | 57.2 (1453) | 6/10 | 13650 (6190) |
| | 3F435 | 169 (4300) | 103.4 (2625) | 226.4 (5740) | 213.6 (5425) | 49.4 (1255) | 62.2 (1552) | 6/10 | 13650 (6190) |
| | 3F480 | 189 (4750) | 109.3 (2775) | 238.2 (6050) | 231.3 (5875) | 55.3 (1405) | 68.1 (1730) | 6/10 | 13650 (6190) |
| | 3F500 | 197 (5000) | 113.2 (2875) | 252.0 (6400) | 239.2 (6076) | 59.2 (1504) | 72.0 (1829) | 6/10 | 13650 (6190) |
| | 3F600 | 236 (6000) | 130.0 (3300) | 291.4 (7402) | 278.6 (7076) | 75.9 (1928) | 88.7 (2130) | 3/6 | 12125 (5500) |
| | 3F700 | 276 (7000) | 144.7 (3675) | 330.8 (8402) | 318.0 (8077) | 90.7 (2304) | 103.5 (2629) | 3/6 | 8150 (3700) |
| | 3F800 | 315 (8000) | 161.5 (4100) | 370.1 (9400) | 357.3 (9075) | 107.4 (2728) | 120.2 (3053) | 3/6 | 5050 (2290) |

MAST SPECIFICATIONS & RATED CAPACITIES

| Mast Type | Mast Name | Maximum Fork Height | Overall Height | | Free Lift | | Tilt Angle | | Rated Capacity at 24" Load Center |
|----------------------------|-----------|---------------------|----------------|----------------|--------------|--------------|--------------|-----------|-----------------------------------|
| | | | Lowered | Fully Extended | | With LBR | Without LBR | Fwd/ Bkwd | FD80-2 |
| | | | | With LBR | Without LBR | | | | Dual Drive |
| | | in (mm) | | in (mm) | in (mm) | in (mm) | in (mm) | deg | lb (kg) |
| TWO STAGE (Wide view) | 2W300 | 118 (3000) | 106.3 (2700) | 174.1 (4422) | 164.6 (4180) | 8.0 (203) | 8.0 (203) | 6/12 | 17500 (7940) |
| | 2W330 | 130 (3300) | 112.3 (2852) | 185.9 (4722) | 176.4 (4481) | 8.0 (203) | 8.0 (203) | 6/12 | 17500 (7940) |
| | 2W350 | 138 (3500) | 116.2 (2952) | 193.8 (4922) | 184.3 (4681) | 8.0 (203) | 8.0 (203) | 6/12 | 17500 (7940) |
| | 2W400 | 157 (4000) | 128.0 (3251) | 213.4 (5420) | 204.0 (5182) | 8.0 (203) | 8.0 (203) | 6/12 | 17500 (7940) |
| | 2W450 | 177 (4500) | 137.8 (3500) | 233.1 (5920) | 223.7 (5682) | 8.0 (203) | 8.0 (203) | 6/12 | 17500 (7940) |
| | 2W500 | 197 (5000) | 147.7 (3752) | 252.8 (6421) | 243.4 (6182) | 8.0 (203) | 8.0 (203) | 6/6 | 17500 (7940) |
| | 2W550 | 216 (5500) | 159.5 (4051) | 272.5 (6922) | 263.0 (6680) | 8.0 (203) | 8.0 (203) | 3/6 | 16300 (7395) |
| TWO STAGE (Full free) | 2W600 | 236 (6000) | 169.3 (4302) | 292.2 (7422) | 284.7 (7232) | 8.0 (203) | 8.0 (203) | 3/6 | 15400 (6985) |
| | 2F300 | 118 (3000) | 106.3 (2700) | 174.1 (4422) | 166.0 (4216) | 52.9 (1344) | 61.0 (1550) | 6/12 | 17500 (7940) |
| | 2F330 | 130 (3300) | 112.3 (2852) | 185.9 (4722) | 177.8 (4516) | 58.8 (1494) | 66.9 (1700) | 6/12 | 17500 (7940) |
| | 2F350 | 138 (3500) | 116.2 (2952) | 193.8 (4922) | 185.7 (4717) | 62.7 (1592) | 70.8 (1798) | 6/12 | 17500 (7940) |
| | 2F400 | 157 (4000) | 128.0 (3251) | 213.4 (5420) | 205.4 (5217) | 74.6 (1895) | 82.6 (2098) | 6/12 | 17500 (7940) |
| THREE STAGE (Full free) | 2F450 | 177 (4500) | 137.8 (3500) | 233.1 (5920) | 225.0 (5717) | 84.4 (2144) | 92.5 (2350) | 6/12 | 17500 (7940) |
| | 3F400 | 157 (4000) | 101.4 (2576) | 212.6 (5400) | 204.6 (5197) | 48.0 (1219) | 56.1 (1425) | 6/10 | 15450 (7000) |
| | 3F435 | 169 (4300) | 106.3 (2700) | 226.4 (5740) | 218.4 (5547) | 52.9 (1344) | 61.0 (1550) | 6/10 | 15450 (7000) |
| | 3F480 | 189 (4750) | 112.3 (2852) | 238.2 (6050) | 236.1 (5997) | 58.8 (1494) | 66.9 1700) | 6/10 | 15450 (7000) |
| | 3F500 | 197 (5000) | 116.2 (2952) | 252.0 (6400) | 243.9 (6195) | 62.5 (1590) | 70.6 (1795) | 6/10 | 15450 (7000) |
| | 3F600 | 236 (6000) | 132.9 (3376) | 291.4 (7402) | 283.3 (7196) | 79.5 (2019) | 87.5 (2222) | 3/6 | 13250 (6010) |
| | 3F700 | 276 (7000) | 147.7 (3752) | 330.8 (8402) | 322.7 (8197) | 94.2 (2393) | 102.3 (2598) | 3/6 | 9900 (4490) |
| | 3F800 | 315 (8000) | 164.4 (4176) | 370.1 (9400) | 362.1 (9197) | 111.0 (2819) | 119.0 (3023) | 3/6 | 5500 (2495) |

MAST SPECIFICATIONS & RATED CAPACITIES

| Mast Type | Mast Name | Maximum Fork Height | Overall Height | | Free Lift | | Tilt Angle | | Rated Capacity at 24" Load Center |
|--------------------------|-----------|---------------------|----------------|----------------|-------------|-----------|-------------|-----------|-----------------------------------|
| | | | Lowered | Fully Extended | | With LBR | Without LBR | Fwd/ Bkwd | FD100-2 |
| | | | | With LBR | Without LBR | | | | Dual Drive |
| | | in (mm) | | in (mm) | in (mm) | in (mm) | in (mm) | deg | lb (kg) |
| TWO STAGE (Wide view) | 2W300 | 118 (3000) | 112.2 (2850) | 170.5 (4330) | | 8.1 (205) | 8.1 (205) | 6/12 | 22000 (10000) |
| | 2W350 | 138 (3500) | 122.2 (4920) | 190.2 (4830) | | 8.1 (205) | 8.1 (205) | 6/12 | 22000 (10000) |
| | 2W400 | 157 (4000) | 133.9 (3400) | 209.8 (5330) | | 8.1 (205) | 8.1 (205) | 6/12 | 22000 (10000) |
| | 2W450 | 177 (4500) | 143.7 (3650) | 229.5 (5830) | | 8.1 (205) | 8.1 (205) | 6/12 | 22000 (10000) |
| | 2W500 | 197 (5000) | 153.5 (3900) | 249.2 (6330) | | 8.1 (205) | 8.1 (205) | 6/6 | 22000 (10000) |
| | 2W550 | 216 (5500) | 165.4 (4200) | 268.9 (6830) | | 8.1 (205) | 8.1 (205) | 3/6 | 19800 (9000) |
| | 2W600 | 236 (6000) | 175.2 (4450) | 288.6 (7330) | | 8.1 (205) | 8.1 (205) | 3/6 | 17500 (8000) |

STANDARD EQUIPMENT

- EPA/CARB certified - Isuzu Diesel Engine with electronic engine control and common rail fuel injection
- Turbocharger with intercooler
- 2-speed, automatic transmission with full floating powertrain for reduced vibration
- Engine temperature protection and warning system to safeguard your investment
- Transmission mode selector - high speed / low speed / first gear
- Heavy-duty, cushion mounted radiator w/transmission oil cooler
- Large engine oil filter
- Dual fuel filters
- Seat actuated Operator Presence System includes return-to-neutral power interrupt with parking brake and seatbelt warnings
- Full suspension seat with operator restraint system
- Tilt-adjustable steering wheel
- Cushioned rubber floor mat
- Horn, back-up alarm, and dual rearview mirrors
- OHG-mounted headlights and front turn signals
- Rear combination lights – tail, brake, and back-up
- Easi-view meter panel with LCD display and long-life LED indicators
- Hour meter and check engine warning
- Engine glow plug preheating indicator
- Engine coolant temperature gauge with low coolant level warning light
- Transmission oil temperature gauge
- Low engine oil pressure warning
- Transmission neutral indicator
- Fuel gauge with low fuel level warning
- Battery charge warning
- Air cleaner clogging warning
- Anti-restart ignition with neutral-start system
- Drive-by-wire accelerator control
- Hydrostatic power steering system
- Hydraulic boosted brakes with pressure accumulator
- 3-spool hydraulic control valve
- High air intake system with large cyclone air filter
- 5-piece overhead guard
- Dual drive tires

OPTIONAL EQUIPMENT

- Solid pneumatic tires
- Air intake pre-cleaner
- Radiator screen
- Overhead exhaust muffler
- Steering synchronized-knob position control
- Tilt cylinder boots
- Rear work light
- Strobe light

OPERATOR COMFORT & CONTROL

Enhanced comfort results from the Platinum G06 Series' Operator Comfort System, which includes a full suspension seat, cushion floor mat, pedals mounted to the chassis frame, and rubber shock absorbers located throughout the vehicle to reduce vibration from the engine and transmission to the operator. The Platinum G06 Series' floating powertrain design incorporates rubber engine/transmission supports, for additional vibration reduction.

A spacious operator compartment provides generous foot, leg and head room for a variety of driver sizes. The standard full suspension seat with soft touch hip restraints provides maximum operator comfort. Its low profile design offers ample head clearance, while front to back travel adjustment allows a comfortable, customized fit for nearly any operator height.

The Platinum G06's tilt-adjustable steering wheel helps the operator quickly find his or her ideal driving position, while its compact design offers enhanced control and handling. Hydrostatic power steering provides superior response for enhanced maneuverability, while minimizing steer effort for low operator fatigue.

Hydraulic boosted brakes offer reduced pedal effort, resulting in enhanced operator comfort and control. The electric directional control lever makes it easy to change the direction of travel. Automotive-style light and turn signal levers provide easy operation, allowing the operator to focus on the job.

ENHANCED WORK ENVIRONMENT

Several standard features are included in the Platinum G06 Series to deliver a more comfortable and productive work environment for the operator and those in the surrounding area.

For easy entry/exit, the left front pillar's assist grip, combined with a low, wide entry step, with non-skid coating, and a wide, metal traction plate second step, provide the operator with sure, comfortable footing and grip for this often repeated task.

A wide-view carriage offers improved forward visibility with improved fork tip visibility for enhanced operation. The Easi-view meter panel, with LCD display and bright, long-life LED indicators, provides the operator with excellent visibility and understanding of warning indicators.

The G06's two-speed, automatic transmission reduces shift shock due to shortened shift time lag. The standard transmission mode selector allows the operator to switch between low speed, high speed, or first gear travel.

The Platinum G06's Operator Presence System, with seat actuated power interrupt, incorporates a mast-lock which automatically locks lift and tilt operations when the operator leaves the seat, and a return to neutral feature to minimize forklift movement if the operator leaves the seat while the lift truck is still in gear. This presence system also includes warnings if either the seat belt is not engaged, or when the parking brake has not been applied prior to the operator exiting the compartment. Note, the return-to-neutral system only shifts the transmission into neutral; it does not engage the brakes.

EASE OF MAINTENANCE

Built-in diagnostics will display warning lights and gauges on the truck's instrument panel to provide truck status. Tilt cylinders grease points are conveniently located for easy lubrication. The two-piece, front and rear, floorboards are easily removed and reinstalled, without tools, promoting simple access to the transmission and hydraulic components. A wide-open clamshell hood provides a roomy area for service technicians to perform their tasks. The five-piece reinforced overhead guard simplifies replacement of individual components if necessary, saving time and money.

ADVANCED ENGINE TECHNOLOGY

Platinum G06 Series are powered by an Isuzu 4HK1-TC, 5.2-liter, industrial diesel engine. The combination of electronic fuel injection and engine turbo charging technology results in higher power and increased efficiency, with emission levels well below EPA Tier III requirements.

The engine's single overhead cam (SOHC) and 16 valve (four valves per cylinder) design maximizes the air flow into and out of the engine, providing highly efficient optimization of the fuel, air, and exhaust flow, resulting in improved fuel efficiency by increasing air intake and discharge efficiency. Maximum horsepower and torque at low rpm results in increased engine durability.

As an added safeguard for your investment, the Platinum G06 includes an engine protection and warning system to reduce engine rpm in the event of excessive heat generation. An electronically regulated, Quick Glow System results in considerably reduced glow times, providing faster engine starting in cold weather.

ELECTRONIC FUEL INJECTION

An electronic, common rail fuel injection system analyzes engine performance parameters and optimizes engine operation, resulting in enhanced productivity and lower fuel consumption. The diesel engine control module (DCM) uses a feedback loop to respond to sensor input to control engine related functions, such as proper air/fuel ratio, injection timing, and speed, based on the requirements of the application.

The common rail, high-pressure fuel injection system improves combustion efficiency by ultra high-pressure fuel injection. With common rail injection technology, the fuel injector for each cylinder is constantly provided with extremely high pressure fuel from the rail. The DCM controls the injection pulses to regulate the injection timing and the amount of fuel injected into each cylinder, for optimized fuel combustion. This electronic control offers improved fuel consumption, substantially lower emissions of nitrogen oxides (NOx) and near elimination of particulate matter.

INTERCOOLED TURBO DIESEL

The G06 Series' engine turbocharger and intercooler increases the engine's rated output for high productivity. The turbo creates more power by force-feeding compressed air to the cylinders. The turbocharger system provides constant boost pressure over the entire rpm range, for excellent torque at low speeds. To maximize the benefits of the turbo-charger, an intercooler chills the compressed air, for a denser intake charge, allowing for greater combustion and increased power output.

COOLED EXHAUST GAS RECIRCULATION (EGR) SYSTEM

The exhaust gas recirculation system (EGR) returns a measured amount of exhaust gas back to the combustion chamber, to reduce the combustion temperature and reduce the concentration of oxygen in the combustion chamber, reducing the formation of nitrogen oxide (NOx). An EGR cooler reduces the exhaust temperature prior to mixing into the intake stream, preventing loss of air charge density.

DURABLE DESIGN FEATURES

The G06 Series is built for toughness, with a robust mast, strong frame, thick steel fenders, and heavy-duty drive and steer axles. The wide-opening engine hood features gas strut supports for easy opening/closing. A detent on one strut helps keep the hood open during servicing. Insulation under the hood helps reduce noise for a more comfortable ride for the operator.

The G06 features transmission driven, triple hydraulic pumps providing enhanced efficiency, durability and accessibility. One pump is used for lifting and load handling, one pump for the power steering system, and a third pump for the hydraulically boosted brake system. A priority load sensing control valve allows excess hydraulic fluid from the steering system to supply hydraulic oil to the lift system for increased lift speeds.

The G06's superior cooling system consists of an oversized fan and wide cooling outlet, for enhanced airflow. The heavy-duty radiator, with transmission oil cooler, is rubber mounted to reduce flexing and absorb vibration for enhanced reliability. The improved cooling capacity translates into dependable cooling efficiency under heavy usage or high ambient temperatures. A cyclone air cleaner helps extend filter life, while a sensor on the dash panel will indicate inadequate airflow, to help prevent overheating.

A heavy-duty steer axle protects the steer cylinder from damage. The rear axle includes grease fittings for easy lubrication to provide longer life and steering ease.

Lift cylinders include oil return piping for reduced heat generation and extended life. The mast's rugged precision ball bearings deliver smooth operation and maximum control while telescoping. A flow control valve restricts the lowering speed of the mast in the event hose pressure is lost. Tilt lock valves give smooth mast tilt operation in both directions.

TOTAL
WAREHOUSE
www.totalwarehouse.com
833-868-2500

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—FORKLIFT—
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