



PNEUMATIC TIRE FORKLIFT

22,000–40,000 LB CAPACITY TIER 4 DIESEL PNEUMATIC TIRE MODELS

THE BIG TRUCK TO HANDLE BIG JOBS.



DESIGNED TO EXCEED EXPECTATIONS.

BUILT FROM THE GROUND UP TO RAISE THE GAME.

The new Mitsubishi Forklift Trucks FD100L6P - FD180L6P lineup of large, diesel pneumatic forklifts provide versatile and reliable solutions for the toughest applications the market has to offer.

Spanning 7 different capacities, 4 different wheelbases and 3 load center options, these new forklifts are customizable and equipped to lift your operations. Enhanced reliability, ergonomics and serviceability features will help to increase uptime, improve the operator experience and ultimately lower your total cost of ownership, providing the return on investment that you have come to expect from Mitsubishi Forklift Trucks.

Built For Stability:

The design of the counterweight and its low profile are intended to provide several benefits to your operation after extensive, thorough testing. Additionally, advantages in increased residual capacity allow for more confident operation of the truck, ultimately leading to more work getting done.

Performance You Can Count On:

From the reliability of the rugged, robust mast and chassis to the hydraulic system to the trusted Cummins B4.5 Tier 4 Final diesel engine, these forklifts bring all the tools to the jobsite. Performance isn't defined by engine output alone (and it certainly isn't lacking here), so this truck has been built with heavy duty, thicker components for greater strength and reliability.

Full Access Serviceability:

The best trucks in the world deserve the best care in the world. The one-piece engine hood allows complete and simple access for daily inspections so that the operator can ensure everything is ready before climbing into their office and firing up the engine to get to work. Additionally, all major powertrain components can be fully accessed after opening the side-tilting cab with the standard, easy-to-use manual pump tilt or optional power tilt.



Key applications:

- Lumber
- Concrete and stone
- Fabricated metals
- Industrial machinery
- Building materials
- Steel and pipe

STANDARD EQUIPMENT

Mast and Carriage

- Durable, threaded stub shaft design
- Robust, spherical roller bearings
- Heavy duty 6 x 6 lift chain
- Maintenance free sliding pads
- Double sealed hydraulic cylinders

Chassis

- Modular design for commonality across models
- Cold rolled frame rails with tall rib and wide flanges
- Pre-welded and machine bored front end
- Low profile counterweight
- Bolt-on components for easy repair and service in the field (tanks, steps, fenders and counterweight)
- Fully side-tilting cab

Drive Train

- Engine: Cummins B4.5 Tier 4 Final Diesel
- Transmission: ZF 3WG161 (3 Forward/3 Reverse)
- Drive Axle: Kessler D61/D81

Operator Compartment

- Easy to read 4.3" color display
- 3 available cabin options
- Excellent visibility in all directions
- Adjustable steering wheel and seat

Hydraulics

- Robust, economical gear pump
- O-ring Face Seal (ORFS) couplings
- Double sealed cylinders
- Standard 10/14 tilt angles

Electrical System

- 24 volt system
- LED worklights
- LED rear brakelights
- Easily accessible electrical panel
- Advanced 2-way CAN-bus communication



| CHARACTERISTICS | | | | FD100L6P | | FD120L6P | | FD127L6P | |
|--------------------|---|--------|--------------|----------------------------------|------------------|----------------------------------|------------------|----------------------------------|------------------|
| 1 | Rated capacity / rated load | | lbs. kg | 22,000 | 10,000 | 26,000 | 12,000 | 28,000 | 12,700 |
| 2 | Load center distance | L4 | in mm | 24 | 600 | 24 | 600 | 24 | 600 |
| 3 | Tire type, front / rear | | | Pneumatic | | Pneumatic | | Pneumatic | |
| 4 | Number of wheels, front / rear (x = driven wheels) | | | 4x / 2 | | 4x / 2 | | 4x / 2 | |
| DIMENSIONS | | | | | | | | | |
| 5 | Height of mast lowered | H3 | in mm | 165.2 | 4,195 | 165.2 | 4,195 | 165.2 | 4,195 |
| 6 | Lift height | H4 | in mm | 196.9 | 5,000 | 196.9 | 5,000 | 196.9 | 5,000 |
| 7 | Height of mast extended | H5 | in mm | 263.6 | 6,695 | 263.6 | 6,695 | 263.6 | 6,695 |
| 8 | Truck height – cabin roof | H6 | in mm | 117.5 | 2,985 | 117.5 | 2,985 | 117.5 | 2,985 |
| 9 | Seat height | H8 | in mm | 69.7 | 1,770 | 69.7 | 1,770 | 69.7 | 1,770 |
| 10 | Height when tilting cab | T1 | in mm | 126.8 | 3,220 | 126.8 | 3,220 | 126.8 | 3,220 |
| 11 | Width when tilting cab | T2 | in mm | 137.8 | 3,500 | 137.8 | 3,500 | 137.8 | 3,500 |
| 12 | Truck length (to face of forks) | L | in mm | 188.9 | 4,800 | 188.9 | 4,800 | 188.9 | 4,800 |
| 13 | Truck width | B | in mm | 100 | 2,540 | 100 | 2,540 | 100 | 2,540 |
| 14 | Mast tilt, = forward / = backward | / | degrees | 14 / 10 | | 14 / 10 | | 14 / 10 | |
| 15 | Fork dimensions, width / thickness / length | b | in mm | 7.9 / 2.7 / 48 | 200 / 70 / 1,220 | 7.9 / 2.7 / 48 | 200 / 70 / 1,220 | 7.9 / 2.7 / 48 | 200 / 70 / 1,220 |
| 16 | Fork carriage width | b3 | in mm | 98.4 | 2,500 | 98.4 | 2,500 | 98.4 | 2,500 |
| 17 | Width over fork arms, minimum / maximum | V | in mm | 93 / 23.6 | 2,360 / 600 | 93 / 23.6 | 2,360 / 600 | 93 / 23.6 | 2,360 / 600 |
| 18 | Turning radius | R1 | in mm | 164.6 | 4,180 | 164.6 | 4,180 | 164.6 | 4,180 |
| 19 | Minimum aisle width for 90° stacking with forks | A1 | in mm | 258.5 | 6,565 | 258.5 | 6,565 | 258.5 | 6,565 |
| PERFORMANCE | | | | | | | | | |
| 20 | Lifting speed – unloaded / 70% | | fpm m/s | 69 / 59 | 0.35 / .030 | 69 / 59 | 0.35 / 0.30 | 69 / 59 | 0.35 / 0.30 |
| 21 | Lowering speed – unloaded / at rated load | | fpm m/s | 79 / 79 | 0.40 / 0.40 | 79 / 79 | 0.40 / 0.40 | 79 / 79 | 0.40 / 0.40 |
| 22 | Travel speed – unloaded / at rated load | | mph km/h | 18.6 / 17.4 | 30 / 28 | 18.6 / 17.4 | 30 / 28 | 18.6 / 17.4 | 30 / 28 |
| 23 | Maximum gradeability – at 1.2 mph, unloaded / at rated load | | % | 75 / 41 | | 73 / 38 | | 69 / 36 | |
| 24 | Gradeability – at 1.2 mph, unloaded / at rated load | | % | 56 / 32 | | 54 / 30 | | 52 / 28 | |
| 25 | Drawbar pull (max) | | lbs. kN | 23,605 | 105 | 23,605 | 105 | 23,605 | 105 |
| 26 | Noise level, inside LpAZ*, Essential cabin / outside | | (dB(A)) | 76 / 107 | | 76 / 107 | | 76 / 107 | |
| ENGINE | | | | | | | | | |
| 27 | Manufacturer's designation | | | Cummins B4.5 (Turbo-Intercooler) | | Cummins B4.5 (Turbo-Intercooler) | | Cummins B4.5 (Turbo-Intercooler) | |
| 28 | Fuel, type of engine | | | Diesel, 4-stroke | | Diesel, 4-stroke | | Diesel, 4-stroke | |
| 29 | Rating ISO 3046 / at revs | | HP kW/rpm | 165 | 123 / 2,200 | 165 | 123 / 2,200 | 165 | 123 / 2,200 |
| 30 | Peak torque ISO 3046 / at revs | | lb-ft Nm/rpm | 563 | 763 / 1,200 | 563 | 763 / 1,200 | 563 | 763 / 1,200 |
| 31 | Number of cylinders / displacement | | cu in cm³ | 275 | 4 / 4,506 | 275 | 4 / 4,506 | 275 | 4 / 4,506 |
| 32 | Fuel consumption, normal driving | | l/h | 7-9 | | 7-9 | | 7-9 | |
| 33 | Emission standard | | | EU Stage V / USA Tier 4 Final | | EU Stage V / USA Tier 4 Final | | EU Stage V / USA Tier 4 Final | |
| WEIGHT | | | | | | | | | |
| 34 | Service weight | | lbs kg | 39,022 | 17,700 | 39,904 | 18,100 | 41,227 | 18,700 |
| 35 | Axle loading, front – unloaded / loaded | | lbs kg | 22,267 / 36,156 | 10,100 / 16,400 | 22,267 / 62,170 | 10,100 / 28,200 | 22,267 / 65,036 | 10,100 / 29,500 |
| 36 | Axle loading, rear – unloaded / loaded | | lbs kg | 16,535 / 4,850 | 7,500 / 2,200 | 17,858 / 3,968 | 8,100 / 1,800 | 18,740 / 3,968 | 8,500 / 1,800 |
| CHASSIS | | | | | | | | | |
| 37 | Tire size, front / rear | | inch | 12,00x20/20PR | | 12,00x20/20PR | | 12,00x20/20PR | |
| 38 | Track width, front / rear | S | in mm | 73 / 77 | 1,855 / 1,960 | 73 / 77 | 1,855 / 1,960 | 73 / 77 | 1,855 / 1,960 |
| 39 | Tire pressure | | psi MPa | 130 | 0.9 | 130 | 0.9 | 130 | 0.9 |
| 40 | Sideshift ± @ width over forks | V1 / V | in mm | 17.3 / 58.3 | 440 / 1,480 | 17.3 / 58.3 | 440 / 1,480 | 17.3 / 58.3 | 440 / 1,480 |
| 41 | Wheelbase | L3 | in mm | 118 | 3,000 | 118 | 3,000 | 118 | 3,000 |
| 42 | Ground clearance, laden, below mast | | in mm | 9.8 | 250 | 9.8 | 250 | 9.8 | 250 |
| 43 | Ground clearance, machine | | in mm | 13.7 | 350 | 13.7 | 350 | 13.7 | 350 |
| OTHER | | | | | | | | | |
| 44 | Operating pressure for hydraulics | | psi MPa | 1,740 | 12 | 1,960 | 13.5 | 2,030 | 14 |
| 45 | Hydraulic oil tank, capacity | | gal l | 58 | 220 | 58 | 220 | 58 | 220 |
| 46 | Fuel tank, capacity | | gal l | 45 | 170 | 45 | 170 | 45 | 170 |
| 47 | AdBlue tank, capacity | | gal l | 4 | 15 | 4 | 15 | 4 | 15 |

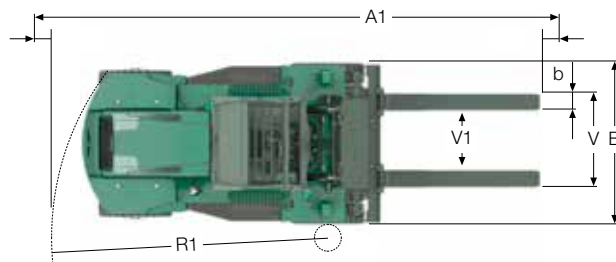
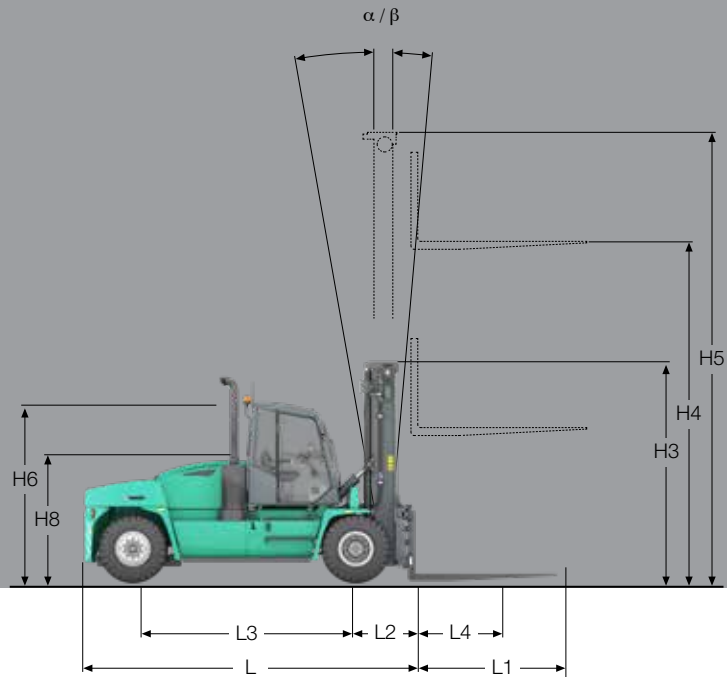
| | FD140L6P | | FD150L6P | | FD100L12P | | FD120L12P | | FD150L12P | |
|----|----------------------------------|-------------------|----------------------------------|-------------------|----------------------------------|-------------------|----------------------------------|-------------------|----------------------------------|-------------------|
| 1 | 31,000 | 14,000 | 33,000 | 15,000 | 22,000 | 10,000 | 26000 | 12,000 | 33,000 | 15,000 |
| 2 | 24 | 600 | 24 | 600 | 48 | 1,200 | 48 | 1,200 | 48 | 1,200 |
| 3 | Pneumatic | | Pneumatic | | Pneumatic | | Pneumatic | | Pneumatic | |
| 4 | 4x / 2 | | 4x / 2 | | 4x / 2 | | 4x / 2 | | 4x / 2 | |
| 5 | 165.2 | 4,195 | 165.2 | 4,195 | 165.2 | 4,195 | 165.2 | 4,195 | 165.2 | 4,195 |
| 6 | 196.9 | 5,000 | 196.9 | 5,000 | 196.9 | 5,000 | 196.9 | 5,000 | 196.9 | 5,000 |
| 7 | 263.6 | 6,695 | 263.6 | 6,695 | 263.6 | 6,695 | 263.6 | 6,695 | 263.6 | 6,695 |
| 8 | 117.5 | 2,985 | 117.5 | 2,985 | 117.5 | 2,985 | 117.5 | 2,985 | 117.5 | 2,985 |
| 9 | 69.7 | 1,770 | 69.7 | 1,770 | 69.7 | 1,770 | 69.7 | 1,770 | 69.7 | 1,770 |
| 10 | 126.8 | 3,220 | 126.8 | 3,220 | 126.8 | 3,220 | 126.8 | 3,220 | 126.8 | 3,220 |
| 11 | 137.8 | 3,500 | 137.8 | 3,500 | 137.8 | 3,500 | 137.8 | 3,500 | 137.8 | 3,500 |
| 12 | 199.8 | 5,075 | 199.8 | 5,075 | 199.8 | 5,075 | 209.6 | 5,325 | 219.5 | 5,575 |
| 13 | 100 | 2,540 | 100 | 2,540 | 100 | 2,540 | 100 | 2,540 | 100 | 2,540 |
| 14 | 14 / 10 | | 14 / 10 | | 14 / 10 | | 14 / 10 | | 14 / 10 | |
| 15 | 7.9 / 3.9 / 48 | 200 / 100 / 1,220 | 7.9 / 3.9 / 48 | 200 / 100 / 1,220 | 9.8 / 3.9 / 96 | 250 / 100 / 2,440 | 9.8 / 3.9 / 96 / | 250 / 100 / 2,440 | 9.8 / 3.9 / 96 | 250 / 100 / 2,440 |
| 16 | 98.4 | 2,500 | 98.4 | 2,500 | 98.4 | 2,500 | 98.4 | 2,500 | 98.4 | 2,500 |
| 17 | 93 / 23.6 | 2,360 / 600 | 93 / 23.6 | 2,360 / 600 | 93 / 23.6 | 2,360 / 700 | 93 / 23.6 | 2,360 / 700 | 93 / 23.6 | 2,360 / 700 |
| 18 | 171.7 | 4,360 | 171.7 | 4,360 | 171.7 | 4,360 | 188.4 | 4,785 | 203.7 | 5,175 |
| 19 | 266.7 | 6,775 | 266.7 | 6,775 | 314.8 | 7,995 | 330 | 8,380 | 347 | 8,810 |
| 20 | 69 / 59 | 0.35 / 0.30 | 69 / 59 | 0.35 / 0.30 | 69 / 59 | 0.35 / 0.30 | 69 / 59 | 0.35 / 0.30 | 69 / 59 | 0.35 / 0.30 |
| 21 | 79 / 79 | 0.40 / 0.40 | 79 / 79 | 0.40 / 0.40 | 79 / 79 | 0.40 / 0.40 | 79 / 79 | 0.40 / 0.40 | 79 / 79 | 0.40 / 0.40 |
| 22 | 18.6 / 17.4 | 30 / 28 | 18.6 / 16.8 | 30 / 27 | 18.6 / 17.4 | 30 / 28 | 18.6 / 17.4 | 30 / 28 | 18.6 / 16.8 | 30 / 27 |
| 23 | 67 / 34 | | 64 / 32 | | 67 / 39 | | 62 / 35 | | 55 / 30 | |
| 24 | 50 / 27 | | 48 / 25 | | 50 / 31 | | 47 / 27 | | 42 / 24 | |
| 25 | 23,605 | 105 | 23,605 | 105 | 23,605 | 105 | 23,605 | 105 | 23,605 | 105 |
| 26 | 76 / 107 | | 76 / 107 | | 76 / 107 | | 76 / 107 | | 76 / 107 | |
| 27 | Cummins B4.5 (Turbo-Intercooler) | | Cummins B4.5 (Turbo-Intercooler) | | Cummins B4.5 (Turbo-Intercooler) | | Cummins B4.5 (Turbo-Intercooler) | | Cummins B4.5 (Turbo-Intercooler) | |
| 28 | Diesel, 4-stroke | | Diesel, 4-stroke | | Diesel, 4-stroke | | Diesel, 4-stroke | | Diesel, 4-stroke | |
| 29 | 165 | 123 / 2,200 | 165 | 123 / 2,200 | 165 | 123 / 2,200 | 165 | 123 / 2,200 | 165 | 123 / 2,200 |
| 30 | 563 | 763 / 1,200 | 563 | 763 / 1,200 | 563 | 763 / 1,200 | 563 | 763 / 1,200 | 563 | 763 / 1,200 |
| 31 | 275 | 4 / 4,506 | 275 | 4 / 4,506 | 275 | 4 / 4,506 | 275 | 4 / 4,506 | 275 | 4 / 4,506 |
| 32 | 7-9 | | 7-9 | | 7-9 | | 7-9 | | 7-9 | |
| 33 | EU Stage V / USA Tier 4 Final | | EU Stage V / USA Tier 4 Final | | EU Stage V / USA Tier 4 Final | | EU Stage V / USA Tier 4 Final | | EU Stage V / USA Tier 4 Final | |
| 34 | 42,109 | 19,100 | 43,652 | 19,800 | 42,109 | 19,100 | 44,754 | 20,300 | 48,722 | 22,100 |
| 35 | 22,708 / 68,784 | 10,300 / 31,200 | 22,708 / 71,871 | 10,300 / 32,600 | 23,149 / 59,966 | 10,500 / 27,200 | 23,590 / 66,580 | 10,700 / 30,200 | 24,031 / 76,500 | 10,900 / 34,700 |
| 36 | 19,400 / 4,189 | 8,800 / 1,900 | 20,944 / 4,850 | 9,500 / 2,200 | 18,960 / 4,189 | 8,600 / 1,900 | 21,164 / 4,630 | 9,600 / 2,100 | 24,692 / 5,291 | 11,200 / 2,400 |
| 37 | 12,00x20/20PR | | 12,00x20/20PR | | 12,00x20/20PR | | 12,00x20/20PR | | 12,00x20/20PR | |
| 38 | 73 / 77 | 1,855 / 1,960 | 73 / 77 | 1,855 / 1,960 | 73 / 77 | 1,855 / 1,960 | 73 / 77 | 1,855 / 1,960 | 73 / 77 | 1,855 / 1,960 |
| 39 | 130 | 0.9 | 130 | 0.9 | 130 | 0.9 | 130 | 0.9 | 130 | 0.9 |
| 40 | 17.3 / 58.3 | 440 / 1,480 | 17.3 / 58.3 | 440 / 1,480 | 16.3 / 60.2 | 415 / 1,530 | 16.3 / 60.2 | 415 / 1,530 | 16.3 / 60.2 | 415 / 1,530 |
| 41 | 128 | 3,250 | 128 | 3,250 | 128 | 3,250 | 138 | 3,500 | 148 | 3,750 |
| 42 | 9.8 | 250 | 9.8 | 250 | 9.8 | 250 | 9.8 | 250 | 9.8 | 250 |
| 43 | 13.7 | 350 | 13.7 | 350 | 13.7 | 350 | 13.7 | 350 | 13.7 | 350 |
| 44 | 2,250 | 15.5 | 2,395 | 16.5 | 1,815 | 12.5 | 2,175 | 15.0 | 2,465 | 17.0 |
| 45 | 58 | 220 | 58 | 220 | 58 | 220 | 58 | 220 | 58 | 220 |
| 46 | 45 | 170 | 45 | 170 | 45 | 170 | 45 | 170 | 45 | 170 |
| 47 | 4 | 15 | 4 | 15 | 4 | 15 | 4 | 15 | 4 | 15 |

| CHARACTERISTICS | | | FD160L6P | | FD160L9P | | FD160L12P | | | |
|--------------------|---|--------|----------|--------|----------------------------------|-------------------|----------------------------------|-------------------|----------------------------------|-------------------|
| 1 | Rated capacity / rated load | | lbs. | kg | 36,000 | 16,000 | 36,000 | 16,000 | 36,000 | 16,000 |
| 2 | Load center distance | L4 | in | mm | 24 | 600 | 36 | 900 | 48 | 1,200 |
| 3 | Tire type, front / rear | | | | Pneumatic | | Pneumatic | | Pneumatic | |
| 4 | Number of wheels, front / rear (x = driven wheels) | | | | 4x / 2 | | 4x / 2 | | 4x / 2 | |
| DIMENSIONS | | | | | | | | | | |
| 5 | Height of mast lowered | H3 | in | mm | 165.2 | 4,195 | 165.2 | 4,195 | 165.2 | 4,195 |
| 6 | Lift height | H4 | in | mm | 196.9 | 5,000 | 196.9 | 5,000 | 196.9 | 5,000 |
| 7 | Height of mast extended | H5 | in | mm | 263.6 | 6,695 | 263.6 | 6,695 | 263.6 | 6,695 |
| 8 | Truck height – cabin roof | H6 | in | mm | 117.5 | 2,985 | 117.5 | 2,985 | 117.5 | 2,985 |
| 9 | Seat height | H8 | in | mm | 69.7 | 1,770 | 69.7 | 1,770 | 69.7 | 1,770 |
| 10 | Height when tilting cab | | in | mm | 126.8 | 3,220 | 126.8 | 3,220 | 126.8 | 3,220 |
| 11 | Width when tilting cab | | in | mm | 137.8 | 3,500 | 137.8 | 3,500 | 137.8 | 3,500 |
| 12 | Truck length (to face of forks) | L | in | mm | 209.6 | 5,325 | 209.6 | 5,325 | 219.5 | 5,575 |
| 13 | Truck width | B | in | mm | 100 | 2,540 | 100 | 2,540 | 100 | 2,540 |
| 14 | Mast tilt, α = forward / β = backward | α / β | degrees | | 14 / 10 | | 14 / 10 | | 14 / 10 | |
| 15 | Fork dimensions, width / thickness / length | b | in | mm | 9.8 / 3.9 / 96 | 200 / 100 / 1,220 | 9.8 / 3.9 / 72 | 250 / 100 / 1,830 | 9.8 / 3.9 / 96 | 250 / 100 / 2,440 |
| 16 | Fork carriage width | | in | mm | 98.4 | 2,500 | 98.4 | 2,500 | 98.4 | 2,500 |
| 17 | Width over fork arms, minimum / maximum | V | in | mm | 93 / 23.6 | 2,360 / 600 | 93 / 23.6 | 2,360 / 700 | 93 / 23.6 | 2,360 / 700 |
| 18 | Turning radius | R1 | in | mm | 188.4 | 4,785 | 188.4 | 4,785 | 203.7 | 5,175 |
| 19 | Minimum aisle width for 90° stacking with forks | A1 | in | mm | 282 | 7,160 | 305.5 | 7,760 | 347 | 8,810 |
| PERFORMANCE | | | | | | | | | | |
| 20 | Lifting speed – unloaded / 70% | | fpm | m/s | 69 / 59 | 0.35 / 0.30 | 69 / 59 | 0.35 / 0.30 | 69 / 59 | 0.35 / 0.30 |
| 21 | Lowering speed – unloaded / at rated load | | fpm | m/s | 79 / 79 | 0.40 / 0.40 | 79 / 79 | 0.40 / 0.40 | 79 / 79 | 0.40 / 0.40 |
| 22 | Travel speed – unloaded / at rated load | | mph | km/h | 18.6 / 16.8 | 30 / 27 | 18.6 / 16.8 | 30 / 27 | 18.6 / 16.8 | 30 / 27 |
| 23 | Maximum gradeability – at 1.2 mph, unloaded / at rated load | | % | | 65 / 31 | | 57 / 29 | | 52 / 28 | |
| 24 | Gradeability – at 1.2 mph, unloaded / at rated load | | % | | 49 / 24 | | 43 / 23 | | 40 / 22 | |
| 25 | Drawbar pull (max) | | lbs. | kN | 23,605 | 105 | 23,605 | 105 | 23,605 | 105 |
| 26 | Noise level, inside LpAZ*, Essential cabin / outside | | (dB(A)) | | 76 / 107 | | 76 / 107 | | 76 / 107 | |
| ENGINE | | | | | | | | | | |
| 27 | Manufacturer's designation | | | | Cummins B4.5 (Turbo-Intercooler) | | Cummins B4.5 (Turbo-Intercooler) | | Cummins B4.5 (Turbo-Intercooler) | |
| 28 | Fuel, type of engine | | | | Diesel, 4-stroke | | Diesel, 4-stroke | | Diesel, 4-stroke | |
| 29 | Rating ISO 3046 / at revs | | HP | kW/rpm | 165 | 123 / 2,200 | 165 | 123 / 2,200 | 165 | 123 / 2,200 |
| 30 | Peak torque ISO 3046 / at revs | | lb-ft | Nm/rpm | 563 | 763 / 1,200 | 563 | 763 / 1,200 | 563 | 763 / 1,200 |
| 31 | Number of cylinders / displacement | | cu in | cm³ | 275 | 4 / 4,506 | 275 | 4 / 4,506 | 275 | 4 / 4,506 |
| 32 | Fuel consumption, normal driving | | l/h | | 7-9 | | 7-9 | | 7-9 | |
| 33 | Emission standard | | | | EU Stage V / USA Tier 4 Final | | EU Stage V / USA Tier 4 Final | | EU Stage V / USA Tier 4 Final | |
| WEIGHT | | | | | | | | | | |
| 34 | Service weight | | lbs | kg | 43,211 | 19,600 | 47,620 | 21,600 | 50,927 | 23,100 |
| 35 | Axle loading, front – unloaded / loaded | | lbs | kg | 22,929 / 74,075 | 10,400 / 33,600 | 23,369 / 77,603 | 10,600 / 35,200 | 24,692 / 80,690 | 11,200 / 36,600 |
| 36 | Axle loading, rear – unloaded / loaded | | lbs | kg | 20,283 / 4,410 | 9,200 / 2,000 | 24,251 / 5,291 | 11,000 / 2,400 | 26,235 / 5,512 | 11,900 / 2,500 |
| CHASSIS | | | | | | | | | | |
| 37 | Tire size, front / rear | | inch | | 12,00x20/20PR | | 12,00x20/20PR | | 12,00x20/20PR | |
| 38 | Track width, front / rear | | in | mm | 73 / 77 | 1,855 / 1,960 | 73 / 77 | 1,855 / 1,960 | 73 / 77 | 1,855 / 1,960 |
| 39 | Tire pressure | | psi | MPa | 130 | 0.9 | 145 | 1.0 | 145 | 1.0 |
| 40 | Sideshift ± @ width over forks | V1 / V | in | mm | 17.3 / 58.3 | 440 / 1,480 | 16.3 / 60.2 | 415 / 1,530 | 16.3 / 60.2 | 415 / 1,530 |
| 41 | Wheelbase | L3 | in | mm | 138 | 3,500 | 138 | 3,500 | 148 | 3,750 |
| 42 | Ground clearance, laden, below mast | | in | mm | 9.8 | 250 | 9.8 | 250 | 9.8 | 250 |
| 43 | Ground clearance, machine | | in | mm | 13.7 | 350 | 13.7 | 350 | 13.7 | 350 |
| OTHER | | | | | | | | | | |
| 44 | Operating pressure for hydraulics | | psi | MPa | 2,465 | 17.0 | 2,540 | 17.5 | 2,610 | 18.0 |
| 45 | Hydraulic oil tank, capacity | | gal | l | 58 | 220 | 58 | 220 | 58 | 220 |
| 46 | Fuel tank, capacity | | gal | l | 45 | 170 | 45 | 170 | 45 | 170 |
| 47 | AdBlue tank, capacity | | gal | l | 4 | 15 | 4 | 15 | 4 | 15 |

| FD180L6P | | |
|----------|----------------------------------|-------------------|
| 1 | 40,000 | 18,000 |
| 2 | 24 | 600 |
| 3 | Pneumatic | |
| 4 | 4x / 2 | |
| | | |
| 5 | 165.2 | 4,195 |
| 6 | 196.9 | 5,000 |
| 7 | 263.6 | 6,695 |
| 8 | 117.5 | 2,985 |
| 9 | 69.7 | 1,770 |
| 10 | 126.8 | 3,220 |
| 11 | 137.8 | 3,500 |
| 12 | 209.6 | 5,325 |
| 13 | 100 | 2,540 |
| 14 | 14 / 10 | |
| 15 | 9.8 / 3.9 / 48 | 250 / 100 / 1,220 |
| 16 | 98.4 | 2,500 |
| 17 | 93 / 23.6 | 2,360 / 700 |
| 18 | 188.4 | 4,785 |
| 19 | 282 | 7,160 |
| | | |
| 20 | 69 / 59 | 0.35 / 0.30 |
| 21 | 79 / 79 | 0.40 / 0.40 |
| 22 | 18.6 / 16.8 | 30 / 27 |
| 23 | 60 / 28 | |
| 24 | 45 / 22 | |
| 25 | 23,605 | 105 |
| 26 | 76 / 107 | |
| | | |
| 27 | Cummins B4.5 (Turbo-Intercooler) | |
| 28 | Diesel, 4-stroke | |
| 29 | 165 | 123 / 2,200 |
| 30 | 563 | 763 / 1,200 |
| 31 | 275 | 4 / 4,506 |
| 32 | 7-9 | |
| 33 | EU Stage V / USA Tier 4 Final | |
| | | |
| 34 | 45,857 | 20,800 |
| 35 | 22,929 / 80,690 | 10,400 / 36,600 |
| 36 | 22,928 / 4,850 | 10,400 / 2,200 |
| | | |
| 37 | 12,00x20/20PR HD | |
| 38 | 73 / 77 | 1,855 / 1,960 |
| 39 | 145 | 1.0 |
| 40 | 16.3 / 60.2 | 415 / 1,530 |
| 41 | 138 | 3,500 |
| 42 | 9.8 | 250 |
| 43 | 13.7 | 350 |
| | | |
| 44 | 2,755 | 19.0 |
| 45 | 58 | 220 |
| 46 | 45 | 170 |
| 47 | 4 | 15 |

Call-out numbers shown in the diagram below correspond to the first column of the specifications chart.

FD100L6P- FD180L6P



SAFETY STANDARDS

These trucks meet American National Standards Institute/Industrial Truck Standards Development Foundation, ANSI/ITSDF B56.1. Users should be aware of, and adhere to, applicable codes and regulations regarding operator training, use, operation and maintenance of powered industrial trucks, including:

- ANSI/ITSDF B56.1.
- NFPA 505, fire safety standard for powered industrial trucks -type designations, areas of use, maintenance and operation.
- Occupational Safety and Health Administration (OSHA) regulations that may apply.

Specifications, equipment, technical data, photos and illustrations based on information at time of printing and subject to change without notice. Some products may be shown with optional equipment.

FD100L6P-FD180L6P

22,000-40,000 LB CAPACITY PNEUMATIC TIRE FORKLIFT

Delivering Exceptional Value

More Than 296,000 Parts To Keep You Running

Mitsubishi Forklift Trucks offers several parts programs, all designed to bring you top performance and convenience for your material handling needs.

Support To Fit Your Operation

Find out why more companies are relying on Mitsubishi forklift truck dealers to keep their fleet operating at top performance. Our efficiency provides customers with a better return on investment, and qualified service technicians, diverse parts inventory and unparalleled selection of service options can help reduce your total cost of ownership.

Extensive Dealer Network

The Mitsubishi forklift truck dealer network is dedicated to finding the right forklift solution for your business. With more than 300 dealer locations, you can rely on your local dealer to provide the service you need when you need it most.



Manufactured with superior quality and exceptional value, Mitsubishi forklift trucks are supported by an extensive dealer and field support network located throughout North and South America. Don't forget to ask your local Mitsubishi forklift truck dealer about details on factory retail programs, financing plans and additional options and dealer services like planned maintenance and operator training.