**MAIN SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Model</th>
<th>Load Capacity</th>
<th>Load Center</th>
<th>Overall Width A</th>
<th>Turning Radius (outside) B</th>
<th>Overhead Guard Height C</th>
<th>Length to Fork Face D</th>
</tr>
</thead>
<tbody>
<tr>
<td>8FG10</td>
<td>1,000 kg</td>
<td>500 mm</td>
<td>1,045 mm</td>
<td>1,910 mm</td>
<td>2,080 mm</td>
<td>2,245 mm</td>
</tr>
<tr>
<td>8FD10</td>
<td>1,500 kg</td>
<td>500 mm</td>
<td>1,070 mm</td>
<td>1,990 mm</td>
<td>2,080 mm</td>
<td>2,290 mm</td>
</tr>
<tr>
<td>8FG15</td>
<td>1,500 kg</td>
<td>500 mm</td>
<td>1,070 mm</td>
<td>2,010 mm</td>
<td>2,080 mm</td>
<td>2,315 mm</td>
</tr>
<tr>
<td>8FD15</td>
<td>1,750 kg</td>
<td>500 mm</td>
<td>1,150 mm</td>
<td>2,200 mm</td>
<td>2,110 mm</td>
<td>2,560 mm</td>
</tr>
<tr>
<td>8FG18*</td>
<td>2,000 kg</td>
<td>500 mm</td>
<td>1,240 mm</td>
<td>2,430 mm</td>
<td>2,170 mm</td>
<td>2,795 mm</td>
</tr>
<tr>
<td>8FD18*</td>
<td>2,500 kg</td>
<td>500 mm</td>
<td>1,155 mm</td>
<td>2,280 mm</td>
<td>2,110 mm</td>
<td>2,635 mm</td>
</tr>
<tr>
<td>8FG20</td>
<td>2,500 kg</td>
<td>500 mm</td>
<td>1,155 mm</td>
<td>2,090 mm</td>
<td>2,085 mm</td>
<td>2,445 mm</td>
</tr>
<tr>
<td>8FD20</td>
<td>3,000 kg</td>
<td>500 mm</td>
<td>1,255 mm</td>
<td>2,130 mm</td>
<td>2,085 mm</td>
<td>2,520 mm</td>
</tr>
<tr>
<td>8FGJ35</td>
<td>3,500 kg</td>
<td>500 mm</td>
<td>1,290 mm</td>
<td>2,490 mm</td>
<td>2,180 mm</td>
<td>2,865 mm</td>
</tr>
</tbody>
</table>

**ENGINE SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Model</th>
<th>Piston Displacement</th>
<th>Rated Horsepower/r.p.m.</th>
<th>Rated Torque/r.p.m.</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOYOTA 4Y</td>
<td>2,237 cc</td>
<td>162/1,800</td>
<td>40/2,400</td>
</tr>
<tr>
<td>8FG20*</td>
<td>2,486 cc</td>
<td>167/1,600</td>
<td>216/1,600</td>
</tr>
<tr>
<td>8FD20*</td>
<td>3,469 cc</td>
<td>110/1,350</td>
<td>100/1,350</td>
</tr>
<tr>
<td>8FGK20*</td>
<td>2,486 cc</td>
<td>167/1,600</td>
<td>40/2,400</td>
</tr>
<tr>
<td>8FDK20*</td>
<td>3,469 cc</td>
<td>110/1,350</td>
<td>100/1,350</td>
</tr>
</tbody>
</table>

NOTE: *Powershift models

(   ) for 30(32)-8FG30.8FGJ35

Model TOYOTA 1DZ-ll

Diesel

Piston Displacement | Rated Horsepower/r.p.m. | Rated Torque/r.p.m.
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>2,486 cc</td>
<td>167/1,600</td>
<td>216/1,600</td>
</tr>
</tbody>
</table>

NOTE: [     ] for 60(62)-8FD20.25.30

C

D

A

B

The data in this brochure is determined based on our standard testing condition. The performance may vary depending on the actual specification and condition of the vehicle as well as the condition of the operating area. Availability and specifications depend on region and are subject to change without notice. Due to photography and printing, color of actual vehicle may vary from this brochure. Some photos have been computer-enhanced. Please consult your Toyota representative for details. Photographs may include optional equipment.
The Mastery of True Potential

Mastery of any undertaking can only be achieved if there is true potential and unwavering dedication to excellence. To Toyota, the 8 Series is the proud culmination of 50 years in the pursuit of mastery in the development and manufacture of forklifts.

All who experience the level of mastery in the 8 Series will be inspired to reach for higher goals.

Here, Toyota integrated outstanding comfort and excellent operability into a operator’s compartment that realizes operator friendliness. The 8 Series is also equipped with high technology that contributes to the creation of a safe workplace.

Outstanding Comfort and Visibility

The 8 Series provides the comfort and visibility for long hours of efficient operation.

Efficiency-Boosting Operability

The operator’s compartment is carefully designed to ensure maximum forklift control from minimum operator effort.

Top-Class Stability

Toyota’s System of Active Stability (SAS), Operator Presence Sensing (OPS) system and Travel and Load Handling Control provide innovative, high-tech stability to the 8 Series.

Environmental Friendliness

Low noise and exhaust emissions make the 8 Series environmentally friendly.

Built-in Reliability and Serviceability

Designed to be tough and easy to maintain.
Comfort is a Toyota tradition. With the 8 Series, it starts from the time you enter. Grab the large assist grip, place your foot on the wide, low step and slide into the operator’s seat that provides comfort, support and retention. Once you have been seated and wrapped your hands around the small-diameter steering wheel you will intuitively feel that everything you need for operating the forklift is within natural reach. You will also instantly realize that you have a clear view of the forks and load. This comfort sets the stage for reaching the true potential of the forklift from Toyota.

True Potential Through Outstanding Comfort and Visibility

Features and equipment may vary depending on market.

Easy Entry and Exit
A large assist grip, a deep, wide step and a spacious opening team up for easy entry onto the forklift.

Comfort and Support ORS* Seat
ORS: Operator Restraint System

Outstanding Visibility
The overhead guard, mast and instrument panel have been designed to provide excellent visibility of the fork tips at the most frequently used lift heights.

Wide Floor Space
The spacious floor area enables a more relaxed operating position that contributes to comfort.
True Potential Through Outstanding Operability

Toyota used the latest technology to reexamine forklift operation in its search for enhanced operability. Motion-capture technology monitored every aspect of operator movement looking for ways to make operation more efficient. Based on these findings, well-thought-out design changes were combined to make the 8 Series ready to transform every action of the operator into smooth and efficient operation.

Operator-Friendly Steering Wheel

The small-diameter steering wheel teams up with the full hydraulic power steering system to provide excellent maneuverability. The steering column offers step-less adjustment to accommodate a wide range of operator preferences.

Foot-Activated Parking Brake (Powershift models)

The operator simply depresses the parking brake pedal to set it without changing operating position. A conveniently located handle is used to release it.

Rear-Pillar Assist Grip / Swivel Seat

The seat swivels to the right to facilitate operation in reverse. The seat also swivels to the left to make it easier to enter and exit the forklift. An optionally available rear-pillar assist grip with a horn button enhances comfort by offering easy horn operation while traveling in reverse.

Features and equipment vary depending on markets.
True Potential Through Outstanding Stability

At Toyota, safety is top priority in the quest for attaining true potential. Here, the state-of-the-art technology found in the System of Active Stability (SAS), which earned high praise on the 7 Series, helps to reduce the potential for accidents. Other innovative functions, such as the Operator Presence Sensing System (OPS) and optional Travel and Load Handling Control are ready to assist in protecting the operator and the load. Toyota’s continuous efforts toward safety provide you with a solid foundation for outstanding stability.

Active Control Rear Stabilizer SAS

With SAS

Operator Presence Sensing System

This system uses a switch sensor built into the operator’s seat to detect the presence of the operator. If the operator is not in the normal operating position, travel power is interrupted and load handling operations are stopped to prevent unintentional movements.

Note: OPS does not operate the brakes. Always set the parking brake before leaving the vehicle.

Travel and Load Handling Control

1. Lift-Height and Load-Sensing Vehicle Speed Control (Powershift models)
   This feature limits the maximum speed if the operator attempts to travel while carrying loads at high lift heights.

2. Lift-Height and Load-Sensing Sudden Start Off Prevention Feature (Powershift models)
   This feature ensures that the position of the steering wheel unvaryingly corresponds with the position of the rear steer wheels.

3. Lift-Height and Load-Sensing Vehicle Speed Control (Powershift models)
   This feature limits maximum speed to a preset level when the switch on the Multifunction Display is pressed. This can be useful at locations such as customer worksites that have different speed rules for outdoor and indoor operations.

4. Maximum Speed Limitation
   This feature enables to limit maximum speed to a preset level. This helps operators maintain certain speed limits in the work area while freeing them from the need to control acceleration, and also reduces the need for forklift managers to monitor the speed of the forklifts.

5. Automatic Idle-Up Device
   The idle revolution of the engine is automatically increased during lifting operations so that loads will be slowly lifted up without depressing the accelerator. It provides easy and proper load handling operation.

The following should be noted in regard to Travel and Load Handling Control.
On up grade, the set speed may not be reached due to engine output. Also on down grade, gravity may cause preset speed to be exceeded. Although maximum speed and sudden acceleration are reduced in relation to load height and weight, this does not eliminate the possibility of tip-over. Toyota’s advanced technology helps reduce the potential of forklift instability. However, the operator is ultimately responsible for safe operation.
True Potential Through Outstanding Environmental Friendliness

The 8 Series is easy to get along with. It is specially designed to provide the operator and all those working nearby with a pleasant work environment. Low noise operation, low exhaust emissions and low vibration all mean that the 8 Series will hardly be noticed as it diligently enhances productivity at the workplace. And the 8 Series demonstrates that Toyota is continuing to make progress in eliminating harmful chemicals from the components of its forklifts, making them even more environmentally friendly.

Low-Noise Design
Meet your silent partner. Thick-sealing under the floorboards and the use of sound-absorbing and sound-proofing materials all work together to give the 8 Series low-noise operation.

Low-Vibration Design
Carefully designed engine and drive train mounts dramatically reduce the amount of vibration felt at the floorboard and steering wheel.

3-Way Catalytic Converter System
Electronic control is used on the 4Y engine to regulate the fuel injection and ignition systems. This is combined with the 3-Way Catalytic Converter System to filter out carbon monoxide (CO), hydrocarbon (HC) and nitrogen oxide (NOx) gases.

Diesel Particulate Filter DPF-II
It uses an enhanced filtering system to provide excellent black smoke particle elimination. The DPF-II provides the additional benefits of easier starting and longer filter life.

Environmentally Friendly Design
The 8 Series is free of asbestos, mercury and cadmium. The amount of lead and hexavalent chromium has also been dramatically reduced in order to minimize the affect on the environment.
True Potential Through Outstanding Reliability & Serviceability

Reliability is what Toyota forklifts have proven themselves to provide under harsh conditions the world over. This is because Toyota is always committed to boosting reliability. The use of resin parts has been reduced as much as possible along with other steps to enhance durability. The result is a forklift that will offer an extended life.

Cooling System
- Ample cooling raises reliability by preventing overheating. The size of the opening in the counterweight has been increased to optimize air flow through the engine compartment and power unit.

Tilt Cylinder Boots
- Each boot covers the exposed portion of the rod for the tilt cylinder, protecting it and the oil seals.

Water-Resistant Connectors
- Connectors for most electrical components are highly water-resistant, increasing the reliability of the electrical system.

Long Life Tire
- Wear resistant tires help reduce running costs and provide extended life.

Engine Hood
- The wide-opening engine hood provides easy access for inspection or servicing.

Brake Fluid
- Simply lift up the cover on the panel to check the brake fluid.

Floorboard
- A two-piece design makes the floorboard easier to lift and handle. Remove these two pieces for wide open access to the engine and power train.

Hood Latch
- The easy-to-operate latch provides quick access to the engine compartment.

Scheduled-Maintenance Hour Warning Indicator
- When the set time for maintenance is reached, this feature provides visible and audible notification.

No tools are needed to remove the radiator cover. The fasteners can easily be turned by hand to enable quick inspections or servicing.

Ample cooling raises reliability by preventing overheating. The size of the opening in the counterweight has been increased to optimize air flow through the engine compartment and power unit.

Serviceability can help boost the reliability of a forklift and extend its service life. The 8 Series has been designed so that anyone can easily inspect it. If service is needed, easy access can help to reduce downtime.
From the Chief Engineer

From the Chief Engineer on the development of the 8 Series, we were in the challenge of developing a model based on the specific needs of the user, on top of the present position of the 7 Series. We started from the starting point and took a solid base of the 7 Series to throw away anything that was not needed. This is the basis of the 8 Series in bringing out the true potential in all areas and aspects.

The 8 Series stands ready to bring out the true potential in all owners and operators.

The development and design of the 8 Series was done at the Toyota Takahama Plant in Aichi, Japan. During the development stage, state-of-the-art technology was used to get a better understanding of operator movement during forklift operation. This data was carefully analyzed and used to enhance the design of the operator compartment.

This field of ergonomics is inseparably linked to the concept of work efficiency. The ability of the operator to work in comfort is an extremely important aspect of productivity. The ability to move freely and comfortably is crucial to productivity.

We have also developed a forklift with top-class emissions performance. This will reduce the output of undesirable substances over the lifetime of the truck, while simultaneously providing productivity for years and years to come. The result is a remarkable forklift series that will be ever experience on the job.

The 8 Series represents a multi-pronged approach. In the manufacturing process, we reduced and eliminated the use of materials that are environmentally sensitive. They covered the smallest details – including each screw used in the forklift’s construction – to ensure the development of best-of-breed forklift units that truly satisfy customer needs.

They re-evaluated the designs from scratch, from the 7 Series, with an in-depth rethinking of every aspect of the forklift. This new design represents an evolution of the Toyota 8 Series, which has established over the years.

I believe we have created a series of forklifts that further enhance the reputation that Toyota has already established. The 8 Series is designed to make the greatest contribution to customer profitability.

The 8 Series is a forklift that has been employed in the present design. We have been able to realize significant improvements in visibility and operator operating space. We have also developed a forklift with top-class emissions performance. This will reduce the output of undesirable substances over the lifetime of the truck, while simultaneously providing productivity for years and years to come.

The ability of the operator to work in comfort is an extremely important aspect of productivity. The ability to move freely and comfortably is crucial to productivity.

We have also developed a forklift with top-class emissions performance. This will reduce the output of undesirable substances over the lifetime of the truck, while simultaneously providing productivity for years and years to come. The result is a remarkable forklift series that will be ever experience on the job.

The 8 Series represents a multi-pronged approach. In the manufacturing process, we reduced and eliminated the use of materials that are environmentally sensitive. They covered the smallest details – including each screw used in the forklift’s construction – to ensure the development of best-of-breed forklift units that truly satisfy customer needs.

They re-evaluated the designs from scratch, from the 7 Series, with an in-depth rethinking of every aspect of the forklift. This new design represents an evolution of the Toyota 8 Series, which has established over the years.

I believe we have created a series of forklifts that further enhance the reputation that Toyota has already established. The 8 Series is designed to make the greatest contribution to customer profitability.

The 8 Series is a forklift that has been employed in the present design. We have been able to realize significant improvements in visibility and operator operating space. We have also developed a forklift with top-class emissions performance. This will reduce the output of undesirable substances over the lifetime of the truck, while simultaneously providing productivity for years and years to come.

The ability of the operator to work in comfort is an extremely important aspect of productivity. The ability to move freely and comfortably is crucial to productivity.

We have also developed a forklift with top-class emissions performance. This will reduce the output of undesirable substances over the lifetime of the truck, while simultaneously providing productivity for years and years to come. The result is a remarkable forklift series that will be ever experience on the job.

The 8 Series represents a multi-pronged approach. In the manufacturing process, we reduced and eliminated the use of materials that are environmentally sensitive. They covered the smallest details – including each screw used in the forklift’s construction – to ensure the development of best-of-breed forklift units that truly satisfy customer needs.

They re-evaluated the designs from scratch, from the 7 Series, with an in-depth rethinking of every aspect of the forklift. This new design represents an evolution of the Toyota 8 Series, which has established over the years.

I believe we have created a series of forklifts that further enhance the reputation that Toyota has already established. The 8 Series is designed to make the greatest contribution to customer profitability.

The 8 Series is a forklift that has been employed in the present design. We have been able to realize significant improvements in visibility and operator operating space. We have also developed a forklift with top-class emissions performance. This will reduce the output of undesirable substances over the lifetime of the truck, while simultaneously providing productivity for years and years to come.

The ability of the operator to work in comfort is an extremely important aspect of productivity. The ability to move freely and comfortably is crucial to productivity.

We have also developed a forklift with top-class emissions performance. This will reduce the output of undesirable substances over the lifetime of the truck, while simultaneously providing productivity for years and years to come. The result is a remarkable forklift series that will be ever experience on the job.

The 8 Series represents a multi-pronged approach. In the manufacturing process, we reduced and eliminated the use of materials that are environmentally sensitive. They covered the smallest details – including each screw used in the forklift’s construction – to ensure the development of best-of-breed forklift units that truly satisfy customer needs.

They re-evaluated the designs from scratch, from the 7 Series, with an in-depth rethinking of every aspect of the forklift. This new design represents an evolution of the Toyota 8 Series, which has established over the years.

I believe we have created a series of forklifts that further enhance the reputation that Toyota has already established. The 8 Series is designed to make the greatest contribution to customer profitability.

The 8 Series is a forklift that has been employed in the present design. We have been able to realize significant improvements in visibility and operator operating space. We have also developed a forklift with top-class emissions performance. This will reduce the output of undesirable substances over the lifetime of the truck, while simultaneously providing productivity for years and years to come.

The ability of the operator to work in comfort is an extremely important aspect of productivity. The ability to move freely and comfortably is crucial to productivity.

We have also developed a forklift with top-class emissions performance. This will reduce the output of undesirable substances over the lifetime of the truck, while simultaneously providing productivity for years and years to come. The result is a remarkable forklift series that will be ever experience on the job.

The 8 Series represents a multi-pronged approach. In the manufacturing process, we reduced and eliminated the use of materials that are environmentally sensitive. They covered the smallest details – including each screw used in the forklift’s construction – to ensure the development of best-of-breed forklift units that truly satisfy customer needs.

They re-evaluated the designs from scratch, from the 7 Series, with an in-depth rethinking of every aspect of the forklift. This new design represents an evolution of the Toyota 8 Series, which has established over the years.

I believe we have created a series of forklifts that further enhance the reputation that Toyota has already established. The 8 Series is designed to make the greatest contribution to customer profitability.

The 8 Series is a forklift that has been employed in the present design. We have been able to realize significant improvements in visibility and operator operating space. We have also developed a forklift with top-class emissions performance. This will reduce the output of undesirable substances over the lifetime of the truck, while simultaneously providing productivity for years and years to come.

The ability of the operator to work in comfort is an extremely important aspect of productivity. The ability to move freely and comfortably is crucial to productivity.

We have also developed a forklift with top-class emissions performance. This will reduce the output of undesirable substances over the lifetime of the truck, while simultaneously providing productivity for years and years to come. The result is a remarkable forklift series that will be ever experience on the job.

The 8 Series represents a multi-pronged approach. In the manufacturing process, we reduced and eliminated the use of materials that are environmentally sensitive. They covered the smallest details – including each screw used in the forklift’s construction – to ensure the development of best-of-breed forklift units that truly satisfy customer needs.

They re-evaluated the designs from scratch, from the 7 Series, with an in-depth rethinking of every aspect of the forklift. This new design represents an evolution of the Toyota 8 Series, which has established over the years.

I believe we have created a series of forklifts that further enhance the reputation that Toyota has already established. The 8 Series is designed to make the greatest contribution to customer profitability.

The 8 Series is a forklift that has been employed in the present design. We have been able to realize significant improvements in visibility and operator operating space. We have also developed a forklift with top-class emissions performance. This will reduce the output of undesirable substances over the lifetime of the truck, while simultaneously providing productivity for years and years to come.

The ability of the operator to work in comfort is an extremely important aspect of productivity. The ability to move freely and comfortably is crucial to productivity.

We have also developed a forklift with top-class emissions performance. This will reduce the output of undesirable substances over the lifetime of the truck, while simultaneously providing productivity for years and years to come. The result is a remarkable forklift series that will be ever experience on the job.

The 8 Series represents a multi-pronged approach. In the manufacturing process, we reduced and eliminated the use of materials that are environmentally sensitive. They covered the smallest details – including each screw used in the forklift’s construction – to ensure the development of best-of-breed forklift units that truly satisfy customer needs.

They re-evaluated the designs from scratch, from the 7 Series, with an in-depth rethinking of every aspect of the forklift. This new design represents an evolution of the Toyota 8 Series, which has established over the years.

I believe we have created a series of forklifts that further enhance the reputation that Toyota has already established. The 8 Series is designed to make the greatest contribution to customer profitability.

The 8 Series is a forklift that has been employed in the present design. We have been able to realize significant improvements in visibility and operator operating space. We have also developed a forklift with top-class emissions performance. This will reduce the output of undesirable substances over the lifetime of the truck, while simultaneously providing productivity for years and years to come.

The ability of the operator to work in comfort is an extremely important aspect of productivity. The ability to move freely and comfortably is crucial to productivity.

We have also developed a forklift with top-class emissions performance. This will reduce the output of undesirable substances over the lifetime of the truck, while simultaneously providing productivity for years and years to come. The result is a remarkable forklift series that will be ever experience on the job.