

## MODEL VARIATION

1-J3.5 Ton Models



The model shown is 8FD25

3.5-5 Ton Models



The model shown is 8FD35

6-8 Ton Models



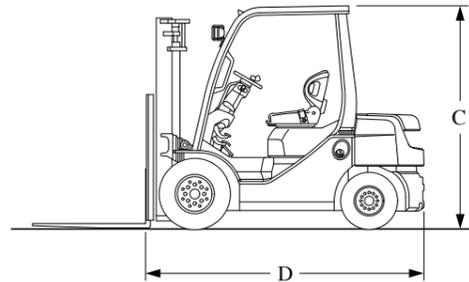
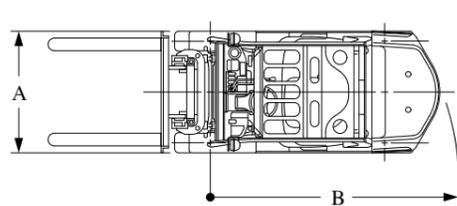
The model shown is 8FD70

## MAIN SPECIFICATIONS

Model		8FG10 8FD10	8FG15 8FD15	8FG18 8FD18	8FGK20 8FDK20	8FG20 8FD20	8FGK25 8FDK25	8FG25 8FD25	8FGK30 8FDK30	8FG30 8FD30	8FGJ35 8FDJ35
Engine Model	Gasoline	4Y	4Y	4Y	4Y	4Y	4Y	4Y	4Y	4Y	4Y
	Diesel	1DZ-II	1DZ-II	1DZ-II	1DZ-II	1DZ-II,2Z	1DZ-II	1DZ-II,2Z	1DZ-II	1DZ-II,2Z	1DZ-II,2Z
Load Capacity	kg	1,000	1,500	1,750	2,000	2,000	2,500	2,500	3,000	3,000	3,500
Load Center	mm	500	500	500	500	500	500	500	500	500	500
Overall Width	A	mm	1,045	1,070	1,070	1,155	1,155	1,155	1,255	1,240	1,290
Turning Radius (outside) B	mm	1,910	1,990	2,010	2,040	2,200	2,090	2,280	2,130	2,430	2,490
Overhead Guard Height C	mm	2,080	2,080	2,080	2,085	2,110	2,085	2,110	2,085	2,170	2,180
Length to Fork Face D	mm	2,240	2,285	2,310	2,360	2,550	2,420	2,620	2,505	2,775	2,845

Model		8FG35N 8FD35N	8FG40N 8FD40N	8FGM40N 8FDM40N*	8FG45N 8FD45N	8FG50N 8FD50N	8FG60N 8FD60N	8FG70N 8FD70N	8FG80N 8FD80N
Engine Model	Gasoline	1FS	1FS	1FS	1FS	1FS	1FS	1FS	1FS
	Diesel	14Z-II	14Z-II	14Z-II	14Z-II	14Z-II	14Z-II	14Z-II	14Z-II
Load Capacity	kg	3,500	4,000	4,000	4,500	5,000	6,000	7,000	8,000
Load Center	mm	600	600	600	600	600	600	600	600
Overall Width	A	mm	1,350	1,350	1,450	1,450	1,965	1,965	1,965
Turning Radius (outside) B	mm	2,610	2,660	2,750	2,750	2,810	3,230	3,280	3,320
Overhead Guard Height C	mm	2,210	2,210	2,300	2,300	2,300	2,310	2,310	2,310
Length to Fork Face D	mm	2,925	2,980	3,110	3,110	3,170	3,490	3,545	3,590

\*Availability of the model may vary depending on the region.



The model shown is 8FG25

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 market 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.



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TOYOTA MATERIAL HANDLING INTERNATIONAL

CAT.8FG/8FD10-80(E)2404/5/Printed in Japan/No.711470E0

ENGINE POWERED FORKLIFT  
8FG/8FD 1.0 to 8.0 ton

TOYOTA



SERIES



# LIFTING ON TO THE FUTURE

Excellent reliability, durability, stability, and operability cultivated by Toyota – the 8 Series has all this, and can enhance efficiency at your worksite.

## ENGINE POWERED FORKLIFT **8SERIES** 8FG/8FD 1.0to8.0ton

Environment

Durability

Stability

Operability



Features and equipment may vary depending on market.



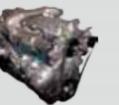
# Built with Toyota Engine - tough, reliable, and environmentally friendly

The 8 Series deploys a high-reliability Toyota engine, with the power and durability to support all your operations.

Uncompromising and ample functioning is also delivered by Toyota engines.



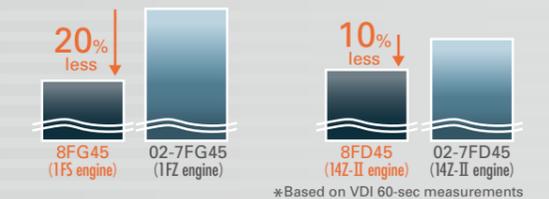
## Line-up of Reliable Toyota Engines

Diesel			
	<b>TOYOTA 1DZ-II</b>	<b>TOYOTA 2Z</b>	<b>TOYOTA 14Z-II</b>
	1-K2.5ton models	2-J3.5ton models	2-J3.5ton models, 3.5-5ton models, 6-8ton models
Rated Power	40kW /2,400rpm	44kW /2,600rpm	49kW/2,200rpm, 56kW /2,100rpm, 66kW /2,400rpm
Rated Torque	167Nm/1,600rpm	216Nm/1,600rpm	269Nm /1,600rpm, 325Nm /1,000rpm
Displacement	2,486cc	3,469cc	5,204cc

Gasoline		
	<b>TOYOTA 4Y</b>	<b>TOYOTA 1F5</b>
	1-K3ton models	3-J3.5ton models, 3.5-5ton models, 6-8ton models
Rated Power	40kW /2,400rpm	43kW /2,600rpm, 65kW /2,350rpm, 69kW /2,550rpm
Rated Torque	162Nm/1,800rpm	276Nm/1,600rpm
Displacement	2,237cc	3,685cc

### Low Fuel Consumption

With new engine(gasoline models) and Load-sensing power steering, 8FG/D35-80 achieves low fuel consumption.



### NEW Load-sensing Power Steering (LSPS) 3.5 - 8 ton models

This adjusts the amount of power-steering fluid according to the load burden on the rear axle, reducing energy loss and helping to enhance fuel economy.

### NEW Eco-mode 1 - 3 ton gasoline models **STD** 3.5 - 8 ton gasoline models **OPT** diesel models

This restricts acceleration for traveling and load handling, further helping to improve fuel efficiency.  
 Note: This is included in Multifunction Display II

### NEW 2-stator Torque-converter and Transmission 3.5 - 8 ton models

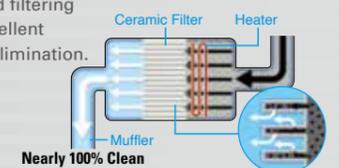
A 2-stator torque-converter is used to achieved optimal drive power and travel speed with no gear-change. The high-efficiency torque-converter and transmission help to reduce fuel consumption.

### NEW Engine Auto Stop 1 - 3 ton gasoline models **STD** 3.5 - 8 ton gasoline models **OPT** diesel models

This feature automatically stops the engine if the operator sets the parking brake but forgets to turn off the engine and leaves seat longer than a preset time. This contributes to lower fuel consumption.  
 Note: This is included in Multifunction Display II.  
 Make sure to follow proper parking process when parking the forklift. (e.g. turn off the engine)

### Diesel Particulate Filter DPF-II **OPT**

This uses an enhanced filtering system to provide excellent black smoke particle elimination.



Features and equipment may vary depending on market.



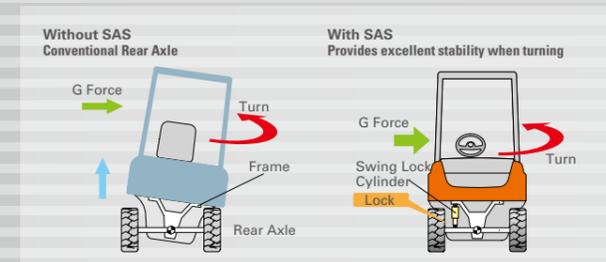
# Toyota's original safety technology to boost work efficiency

The 8 Series incorporates Toyota's own innovative safety equipment, including SAS and OPS. These features provide stable and smooth operation, and can even help boost work efficiency.



## System of Active Stability SAS

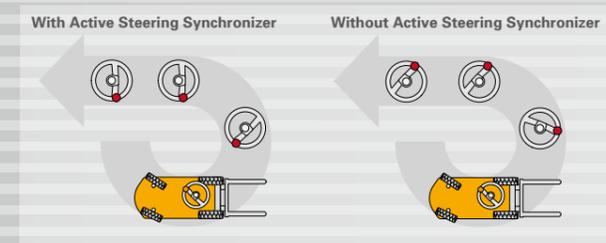
### Active Control Rear Stabilizer



An onboard computer monitors the movement of the forklift and locks the swing of the rear axle when necessary, such as during turns.

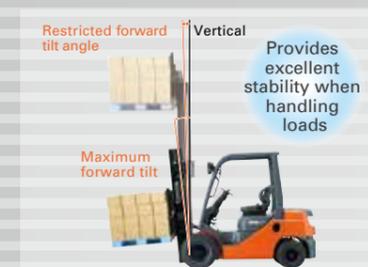
Note: This function is not installed when the forklift is equipped with dual front tires. (Includes 6-8ton models)

### Active Steering Synchronizer

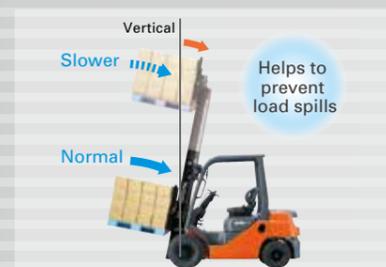


This feature ensures that the angle of the steering wheel corresponds to the angle of the rear steered wheels.

### Active Mast Function Controller



**Active Mast Front-tilt Angle Control**  
The angle of the forward mast tilt is automatically controlled to match the lift height and load weight, helping to prevent load spills or tip-overs.

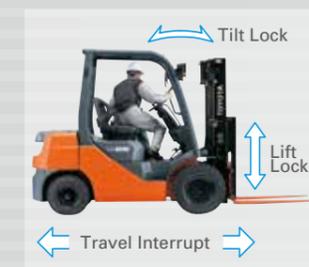


**Active Mast Tilt Speed Control**  
Helps to prevent load spills by automatically controlling mast tilt speed at high mast height.



**Automatic Fork-leveling Control**  
Pressing a switch during forward tilt automatically stops the forks at a level position. This makes load-handling operations easier, helping to achieve high productivity.

## Operator Presence Sensing System OPS

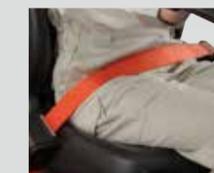


This system uses a switch sensor built into the operator's seat to detect the presence of the operator. If the operator is not in the proper operating position, travel power is interrupted and load handling operations are stopped.  
Note: OPS does not operate the brakes. Always set the parking brake before leaving the forklift.

### Key-lift InterLock

This locks fork-lifting down operation when the key switch is off, preventing fork descent in the event of inadvertent lever operation.

### NEW Orange Seat Belt OPT



The color of the seat belt will be orange, making it easier to confirm if the seat belt is securely fastened.

## Travel and Load-handling Control

### Maximum Speed Limitation OPT

This feature enables to limit the maximum speed to a preset level. This helps operators maintain certain speed limits in the work area.

### Low-speed Setting OPT

This feature limits the maximum speed to a preset level when the switch is pressed. This can be useful at locations such as customer worksites that have different speed rules for outdoor and indoor operations.

### Lift-height and Load-sensing Vehicle Speed Control

1 - J3.5 ton models OPT

This feature limits the maximum speed depending on lift-height and load weight, thereby helping to reduce the likelihood of instability.

### Lift-height and Load-sensing Sudden Start Off Prevention Feature

1 - J3.5 ton models OPT

This feature suppresses sudden acceleration of the vehicle to help to reduce the risk of load spills when starting to the forklift after loading at high lift height.

### Automatic Idle-up Device

1 - J3.5 ton models OPT

The idle revolution of the engine is automatically increased during lifting operations so that loads will be smoothly lifted without depressing the accelerator.

\*Selection of these features requires installation of additional options as well. For details, please see the option chart on page 13.  
Note: The vehicle may not reach or may exceed set speed. This feature does not eliminate the possibility of tip-over, but helps reduce the potential of forklift instability.

Features and equipment may vary depending on market.



# Outstanding visibility for high performance

The 8 Series, designed from a workplace perspective, provides a clear view of the fork tips and areas around the forklift. This outstanding visibility supports safe and accurate operation.



**Upward visibility**  
An optimally designed overhead guard provides a good upward view.

**Forward visibility**  
Optimal mast width and hose layout ensure a clear view of the front of the forklift.

**Fork-tip visibility**  
Equipped with a small-diameter steering wheel, optimally positioned display, and an angled lower stay for the backrest, the 8 Series achieves excellent visibility of the fork tips.



**Panoramic Mirror** OPT  
3.5 - 8 ton models

The mirror makes it easier for an operator to ensure wide backward visibility.



**Swivel Seat** OPT

The seat swivels 17.5 degrees to the right, enabling the operator to maintain a comfortable posture when reversing. The seat also swivels 20 degrees to the left, makes getting off even easier.



**Rear-pillar Assist Grip** OPT

This assist grip with horn button supports the driving position and offers easy horn operation while traveling in reverse.

Features and equipment may vary depending on market.



# Designed for outstanding operability and operator comfort

You find an outstanding comfort as soon as you get on the 8 Series. A compact but roomy body, a small-diameter steering wheel, and other operator-friendly design features of the 8 Series provide you with comfortable and efficient operation.



## Easy Entry and Exit



**Large Assist Grips**  
Large assist grips are used to enable operators of all sizes get on and off smoothly.

## Low and Wide Step

Along with adopting a low height for the step, it has also been made wider, facilitating frequency entry and exit.



## Wide Floor Space

The spacious floor space enables a more relaxed operating position that contributes to comfort.



## ORS Seat

The ORS seat can be adjusted 150 mm and supports a comfortable operating posture by means of side wings and a seatbelt.  
\*ORS: Operator Restraint System



## Small-diameter Steering Wheel

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



## Foot-activated Parking Brake

1-J3.5 ton Powershift models  
Activate  
Release

## Parking Brake

The 8 Series uses a double-action parking brake that has a release button to prevent inadvertent disengagement. The 8FG/D10 to J35 Powershift models use a foot-operated parking brake that can be engaged with just a single foot-press.

## Easy-down System

1-J3.5 ton V mast models

When the forks are lowered, this system controls the speed of descent before the forks touch with the ground, contributing to reducing the noise of impact.

## Mini Lever **OPT**

These small, easy-to-operate levers provide total load handling operation and travel direction selection. A fatigue-reducing armrest is provided.



## Joystick **OPT**

Both lift and tilt operations are controlled by a single lever. Simultaneous lifting and tilting can be operated.

Features and equipment may vary depending on market.

## Cabin with Folding Door **1 - J3.5 ton models OPT** Steel Cabin **3.5 - 8 ton models OPT**

This helps ensure comfort by shielding the operator against low temperatures, wind, and precipitation in cold climates.



The model shown is the 8FG25.



# Features for high durability and reliability

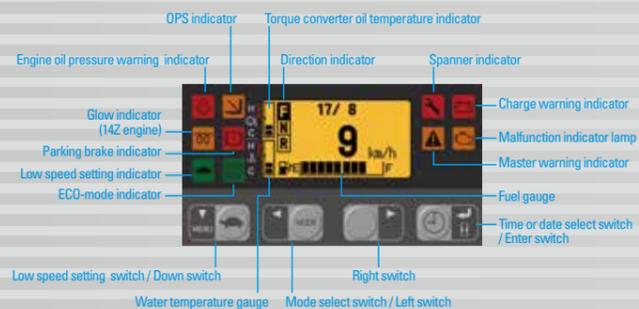
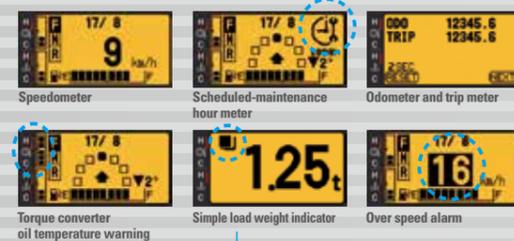
High water resistance, self-protective features such as an engine-protection function, and other features of the 8 Series boost reliability and durability. What's more, the 8 Series is equipped with many ease-of-service features. These all help extend vehicle life.



## NEW Multifunction Display II

1-3 ton gasoline models **STD**  
3.5-8 ton gasoline models **OPT**  
1-8 ton diesel models

The Multifunctional Display II offers useful information for operations. The following are some of the display screens. Necessary instrumentation, such as the fuel meter, water temperature indicator and hour meter are shown in an easy-to-monitor digital format.



## Engine-protection Function

3.5-8 ton gasoline models

When the engine controller detects a malfunction such as high engine water temperature, this function automatically restricts engine output or stops the engine and informs the operator by the combination meters, to help prevent further malfunction.

## Torque-converter Interlock **OPT**

3.5-8 ton models

When the operator attempts switchback during high-speed travel, this automatically shifts the vehicle into neutral. After vehicle speed is reduced to below a preset level, the vehicle changes its driving direction. This reduces excessive strain on the torque converter, and also reduces tire wear due to wheelspin.



## Radiator Cover

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



## Water-resistant Connectors

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



## Floorboard of Two-piece Design

The rear boards can be removed without using tools, providing easy access during daily operator checks.



## NEW Blue Light **OPT**

A blue spot light appears on the ground to inform pedestrians of the forklift's presence, and helps prevent accidents.



LED Headlights | LED Rear Working Lights



LED Front Combination Lights



LED Rear Combination Lights

- LED Headlights **OPT**
- LED Rear Working Lights **OPT**
- NEW LED Front Combination Lights **OPT**
- NEW LED Rear Combination Lights **OPT**

Power-saving, long-life LED lights are available for the headlights and rear working lights.

Features and equipment may vary depending on market.



**STANDARD EQUIPMENT**

- Wide Visible Mast ● Load backrest (V and FSV masts) ● Easy-down system (8FG/D10-J35 V mast) ● Alternator with IC regulator
- Intake heater (8FD10-J35 2Z engine models, 8FD35-80 Diesel models) ● Super glow control system (8FD10-J35 1DZ-II engine models)
- Sedimenter (8FD10-J35 Diesel models, 8FD35-80 Diesel models) ● Same key for multiple forklifts ● 2-stator T/C (8FG/D35-80) ● Tilt cylinder boots ● Radiator screen(8FG/D35-80)
- Cyclone air cleaner with snorkel air intake ● Electric throttle Body control system (8FG35-80 Gasoline models) ● Distributor Less Ignition system (8FG10-J35 Gasoline models, 8FG35-80 Gasoline models)
- Engine protection system (8FG35-80 Gasoline models) ● Electronic fuel injection system (8FG35-80 Gasoline models) ● Radiator reservoir tank ● System of Active Stability(SAS)
- Operator Presence Sensing System (OPS) ● Double-action parking brake (8FG/D35-80) / Foot-activated parking brake (8FG/D10-J35) ● Assist grip ● Neutral safety switch
- Electrical shift control (Powershift models) ● Full hydraulic power steering ● Tilt steering column ● Overhead guard sheet ● Overhead guard ● Hidden tilt cylinder ● Engine hood damper (Lockable)
- Jack point ● Drawbar pin ● Engine hood insulation ● Headlights ● Headlights guard ● Rear combination lights ● Integrated light & turn signal switch ● Hour meter ● Engine water temperature indicator
- Fuel meter ● Engine oil pressure warning light ● Charge warning lights ● Pre-heat indicator light (8FD10-J35 Diesel models, 8FD35-80 Diesel models)
- Sedimenter warning light (8FD10-J35 Diesel models, 8FD35-80 Diesel models) ● Electric horn ● Cup holder ● ORS seat ● T/C oil cooler ● Seat belt (black)
- Combination meter.(8FD10-J35 Diesel models, 8FG/D35-80) ● 3-way Catalytic Converter System(8FG10-J35 Gasoline models) ● Multifunction Display II(8FG10-J35 Gasoline models)

**MAIN OPTIONS**

ITEM	8FG/8FD10-J35		8FG/8FD35N-50N		8FG/8FD60N-80N		NECESSARY OPTION (Option must be chosen with)
	Gasoline	Diesel	Gasoline	Diesel	Gasoline	Diesel	
<b>Environment</b>							
Eco-mode (Multifunction Display II)	○	-	●	-	●	-	
Engine Auto Stop (Multifunction Display II)	○	-	●	-	●	-	
Catalytic Muffler	○	●	●	●	●	●	
3-way Catalytic Converter System	○	-	●	-	●	-	
Diesel Particulate Filter DPF-II	-	●	-	●	-	●	
LPG Fuel System	●	-	●	-	●	-	
LPG Remaining Fuel Warning Device	●	-	●	-	●	-	
Spark Guard Net	●	●	●	●	●	●	
Upswept Exhaust	●	●	●	●	●	●	
<b>Safety &amp; Stability</b>							
System of Active Stability (SAS)	○	○	○	○	○	○	
Fan Guard	-	-	●	●	●	●	
Yellow Strobe Light On Overhead Guard	●	●	●	●	●	●	
LED Yellow Beacon	●	●	●	●	●	●	
Front Combination Lights	-	-	●	●	●	●	
Headlights w/ front combination lights	●	●	●	●	●	●	
Rear Combination Lights	○	○	○	○	○	○	
Back-up Buzzer	●	●	●	●	●	●	
Blue Light	●	●	●	●	●	●	
Rear-view Mirrors (Right and left sides)	●	●	●	●	●	●	
Panoramic Mirror	-	-	●	●	●	●	
Orange Seat Belt	●	●	●	●	●	●	
Seat Belt Interlock	●	●	●	●	●	●	
<b>Travel and Load-handling Control</b>							
Maximum Speed Limitation	●	●	●	-	●	-	8FD10-J35: Multifunction Display II
Low-speed Setting	●	●	●	-	●	-	8FG35-50: Multifunction Display II (For Low-speed Setting)
Lift-height and Load-sensing Vehicle Speed Control	●	●	-	-	-	-	
Lift-height and Load-sensing Sudden Start Off Prevention Feature	●	●	-	-	-	-	
Automatic Idle-up Device	●	●	-	-	-	-	
<b>Operability &amp; Comfort</b>							
Rear-pillar Assist Grip	●	●	●	●	●	●	
Swivel Seat	●	●	●	●	●	●	
Suspension Seat with Damper	●	●	●	●	●	●	
Mini Lever*1	●	●	●	●	●	●	Multifunction Display II (except for 8FG10-J35)
Joystick*1	●	●	●	●	●	●	
Steel Cabin	-	-	●	●	●	●	
Cabin with Folding Door	-	-	-	-	-	-	
Deluxe Cabin	● (Only 2-J35)	● (Only 2-J35)	●	●	●	●	
Front Windshield with Wiper and Washer	●	●	●	●	●	●	
Canvas Cabin with Wiper and Washer	●	●	●	●	●	●	
Heater	●	●	●	●	●	●	Heater, Cabin option
Defroster	●	●	●	●	●	●	Cabin option, Front Windshield option
Front Wiper Standard Type/ Front Wiper Long Type	-	-	●	●	●	●	
Floor Mat / Urethane Floor Mat	● / ●	● / ●	● / -	● / -	● / -	● / -	
Mast Tilt Indication	●	●	●	●	●	●	
Document Box	●	●	●	●	●	●	
Fork noise reducer	●	●	●	●	●	●	
Fork Vibration Damper	●	●	●	●	●	●	
2-stator Torque-converter	-	-	○	○	○	○	
LSD (Limited-Slip Differential)	● (Only 2, 25)	● (Only 2, 25)	-	-	-	-	
<b>Durability</b>							
Torque-converter Interlock	-	-	●	●	●	●	Multifunction Display II
Fully Oil Charged Lift Cylinder	●	●	●	●	●	●	
Tilt Cylinder Hole Boots	●	●	●	●	●	●	
Power Steering Cylinder Boots	●	●	●	●	●	●	
Long Life Coolant 50%	●	●	●	●	●	●	
LED Head Lights / LED Rear Working Light	●	●	●	●	●	●	
LED Front Combination Lights	●	●	●	●	●	●	
LED Rear Combination Lights	●	●	●	●	●	●	
Head Lights Guard (for Front Combination Lights)	-	-	●	●	●	●	Front Combination Lights
Anti-restart Ignition Key Switch	●	●	●	●	●	●	
<b>Service &amp; Management</b>							
Multifunction Display II	○	-	●	●	●	●	
Key off Head Lights off System	●	●	●	●	●	●	
Key-less Ignition Switch	●	●	●	●	●	●	
Fuel Tank Cap with Key	●	●	●	●	●	●	
<b>Special Edition</b>							
High-capacity Cooling Spec	●	●	●	●	●	●	
Cooling Fan Booster	-	-	●	●	●	●	
Cold Area Package	-	● (Only 2Z)	-	-	-	-	
Low-noise Model	●	●	●	●	●	●	
Rust-proof Model	●	●	●	●	●	●	
Cyclone Air Cleaner (Dual Elements)	●	●	●	●	●	●	
Pre-Cleaner	●	●	●	●	●	●	
Plate Fin Type Radiator	-	-	●	●	-	-	
Radiator Screen	●	●	○	○	○	○	
Heavy Duty Mast*1	-	-	● (Only 3.5, 4)	● (Only 3.5, 4)	-	-	Vmast,4or5 way valve
High-capacity Alternator	●	●	●	●	●	●	
High-capacity Battery	●	●	●	●	●	●	
Low Height Headguard (2200mm)	-	-	● (Only 4.5,5)	● (Only 4.5,5)	-	-	
Front Mud Guard	-	-	●	●	-	-	
Dust Proof Spec of Hydraulic System	-	-	●	●	-	-	
Bio Diesel Fuel Spec	-	-	●	●	-	-	

\*1Excludes 8FG/DM40N



**8FG/8FD**  
**1.0 to 3.5 ton**

Features and equipment may vary depending on market.



**8FG/8FD**  
**3.5 to 5.0 ton**

Features and equipment may vary depending on market.



**8FG/8FD**  
**6.0 to 8.0 ton**

Features and equipment may vary depending on market.