



D35S-9 / D40S-9 / D45S-9 / D50C-9 / D55C-9
D40SC-9 / D45SC-9 / D50SC-9 / D55SC-9

9-SERIES FORKLIFTS

Pneumatic Diesel 3.5 to 5.5 ton capacity

Euro Stage V



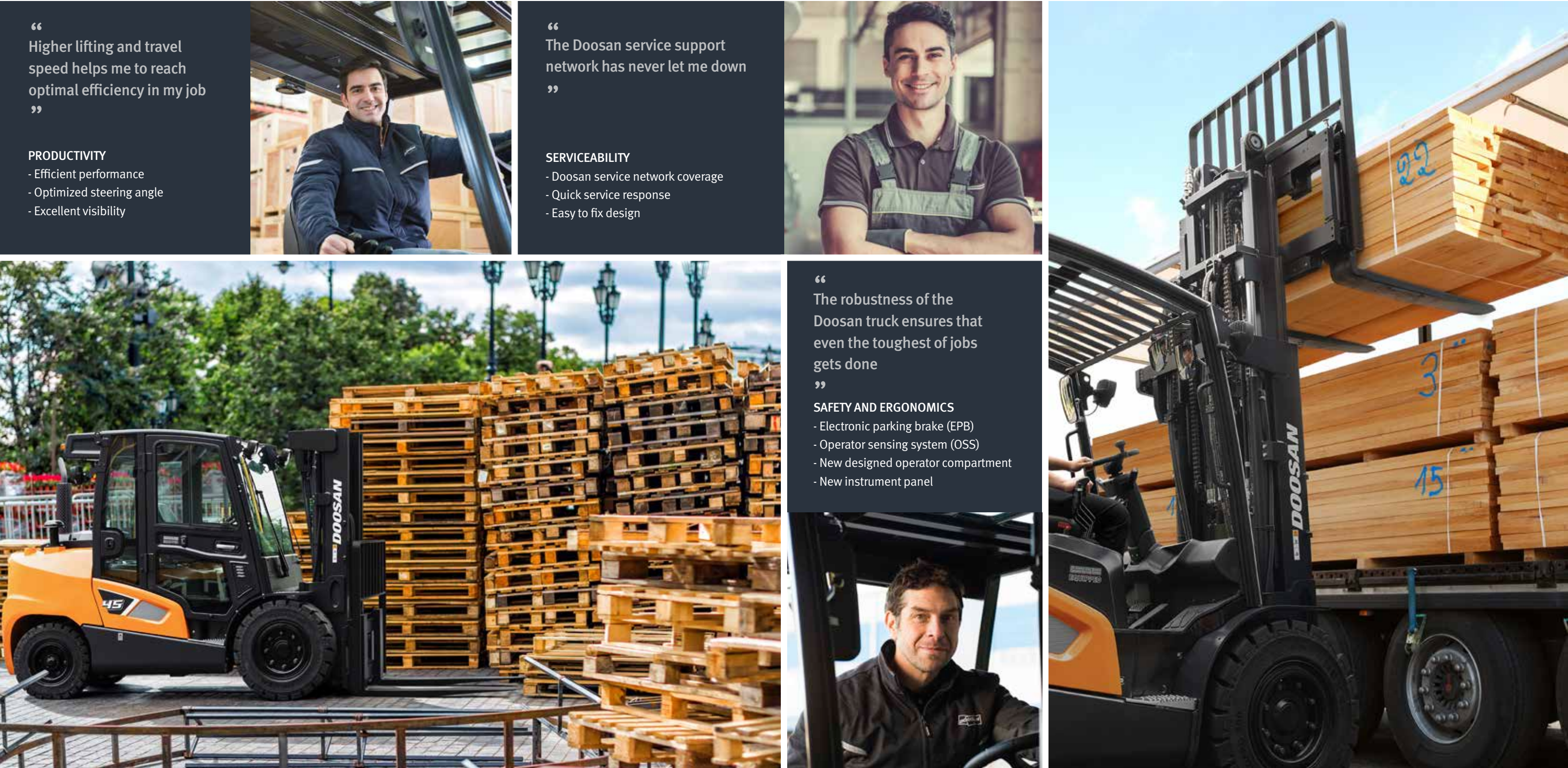
Leading the way

The new world class 9-Series forklifts from Doosan

The new 9-Series forklifts continue to follow the core Doosan tradition of delivering simple, powerful performance whilst most of all, delivering the best possible value for you.

The specially designed ergonomic operator compartment keeps the operator in complete control at all times, improving productivity and reducing stress and fatigue. The new model offers improved visibility and the latest design in ergonomic hydraulic controls. Thanks to an improved durable design and an additional stability system, Doosan’s new 9-Series exceed the highest demands for safe operation.

Extended maintenance intervals and advanced technology components reduce the overall cost of maintenance. The new engine provides an unbeatable combination of power, performance and reliability. Each parameter is fully adjustable to match every individual requirement perfectly, providing maximum control and accuracy for every function.



“
Higher lifting and travel
speed helps me to reach
optimal efficiency in my job
”

- PRODUCTIVITY**
- Efficient performance
 - Optimized steering angle
 - Excellent visibility

“
The Doosan service support
network has never let me down
”

- SERVICEABILITY**
- Doosan service network coverage
 - Quick service response
 - Easy to fix design

“
The robustness of the
Doosan truck ensures that
even the toughest of jobs
gets done
”

- SAFETY AND ERGONOMICS**
- Electronic parking brake (EPB)
 - Operator sensing system (OSS)
 - New designed operator compartment
 - New instrument panel

Features overview

Keeping you happy is our main focus, and this is guaranteed by our 9-Series internal combustion forklifts. They provide great power, excellent performance, driving comfort, durability and outstanding fuel efficiency.

MAXIMUM PRODUCTIVITY

- Fuel efficient engine
- Multi torque mode
- ODB - Oil cooled disc brakes

SAFETY

- Improved visibility
- LED lights
- Panoramic mirror
- Electronic parking brake
- Reverse lock

OPTIMAL ERGONOMICS

- Spacious leg room
- Full color LCD Display
- Air conditioner and heater (optional)

EXCELLENT RELIABILITY

- Upgraded cooling performance
- IP65 Connector
- Full floating cabin

GREAT SERVICEABILITY

- Doosan Genuine Parts
- Easy to access service components
- Service notifications
- Tool-less removable side panel and floor plate



Maximum Productivity



“Boost your productivity with Doosan”



Improved productivity

The Doosan 9-Series has an excellent driving/travel speed, drawbar pull and gradeability compared to competitors. This allows you to work very fast and efficient.

High powered, fuel efficient engine

The G2 Doosan-built diesel engine provides high torque at low RPM and is specially designed for industrial vehicles. It effectively improves forklift acceleration, drive and climb performance. It meets Euro Stage V with a DPF.



ECO

STD

High

Multi torque mode

Doosan offers 3 performance engine maps. The 9-Series gives you the opportunity to select the mode to suits your working environment the best.

1. **ECO mode**
Eco mode gives you the chance to save fuel by increasing the efficiency of fuel consumption. The truck's power is monitored to minimize fuel consumption caused by unnecessary acceleration.
2. **Standard mode**
In this mode, output is not controlled.
3. **High mode**
This mode is useful for heavy duty work. The output of the truck is increased. High mode is recommended for rental applications as it improves the workability of the truck.

ODB (Oil cooled Disk Brakes)

There are 3 to 5 double sided discs per wheel. Discs are submerged in oil, keeping them cool and limiting wear. The Doosan ODB system is completely enclosed and sealed from outside contaminants protecting the inner workings of the brake system from dirt, water, shrink wrap and broken pallets. Oil cooled disc brakes have a 5 times longer service interval than conventional shoe brakes, and are virtually maintenance free.



Safety



Improved visibility

The 9-Series have even better visibility for the operator to work safely and comfortably. The large rounded glass and cowl design provide better front and upper visibility. For even better front visibility, you can opt for the FFT wide view mast.



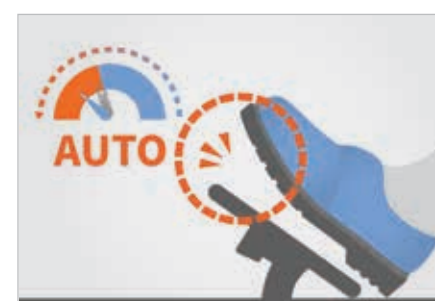
Operator sensing system (OSS)

Whenever the operator leaves the seat, the truck travel and mast lifting functions will stop. This system avoids any unintended forklift movements when the operator is not seated.



Electronic parking brake (EPB)

The parking brake helps preventing safety accidents. When you stop working and get off the truck, the parking brake is automatically activated.



Automatic deceleration

If you are unable to step on the acceleration pedal while driving, it automatically decelerates quickly to the minimum speed.



Reverse lock

Changing from moving forward to reverse is only possible if the truck speed is below 3 km/h.



Speed limit

It is possible to set a speed limit, a different limit can be set up for forward and reverse.



Seat belt sequence interlock

The seat belt needs to be fastened when the operator is seated in order to operate the truck.



LED lights

Brighter and last longer than traditional sealed beams or halogen lights.



Large panoramic mirror **OPTION**

Provides the operator with a clear view of the rear working area, improving working safely & efficiently.

Optimal ergonomics



Air conditioner and heater **OPTION**

You can work comfortably without being affected by the external environment.

- Ergonomically designed air vent layout
- Internal/external air circulation control
- Air filter to prevent dust inflow
- Air volume control (air conditioner)
- Compressor on/off control (air conditioner)



Operator comfort

The stepless steering column can be adjusted depending on the operator's driving posture, takes up less space and makes it easy for the operator to get in/out of the truck. The compact steering wheel makes driving the forklift more comfortable.



Convenience features

The document clip board and USB port are located within the reach of the operator. Other options such as a cup holder and room light are also available.



Easy Entry Grab Bar and Anti Slip Step Plate

Enables easy entry and exit. The wide anti slip step plate keeps the operator safe in every weather condition.



Spacious leg room

The knee clearance is widened and the tilt cylinder is removed from the floor plate, creating more leg room.



More headroom

The floor plate is lowered, which increases the torso clearance (+26mm). The operator has more space above the head.



Full color LCD display

5-inch is standard, 7-inch is optional. The bright and clear panel is very visible outdoors and keeps the operator informed about the conditions of the machine.



Wide seat (Sears & Grammer)

The Sears & Grammer seats are very comfortable, even if you have to operate the forklift for a long time.

“Infinite adjustability, optimized controllability and exceptional reliability makes the new Doosan 9-Series, the operator's first choice.”

Excellent reliability & Cost savings



Upgraded cooling performance

The Doosan 9-Series has a great cooling capacity. They are designed to withstand harsh environments. In addition, there are several suitable options for heavy duty applications:

- The fan speed has been increased so that the inside heat can be cooled down quickly.
- The vented side panel ensures that the indoor air is properly circulated.



















































































































































IP 65 connector

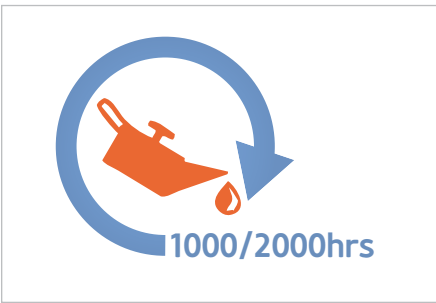
The connector is rated IP65: the quality of the electronic components has been improved and durability has been increased.



Full floating full cabin

The full floating full cabin reduces noise and vibration to a minimum. The 9-Series forklifts are very reliable and long lasting.

	D45S-7		D45S-9
Engine oil change	                 		      
Drive axle oil change	                    		       
Transmission oil change	                    		       
Adjusting tension fan belt	                    		       
Adjusting valves	                    		       
TOTAL	35 service jobs	 -71%	10 service jobs
(5 years, 5,000 hours)	10 service visits	 -50%	5 service visits



Longer Service Interval

- Engine oil : 500hr → 1,000hr
- Drive axle oil : 500hr → 2,000hr
- Transmission oil : 1,000hr → 2,000hr

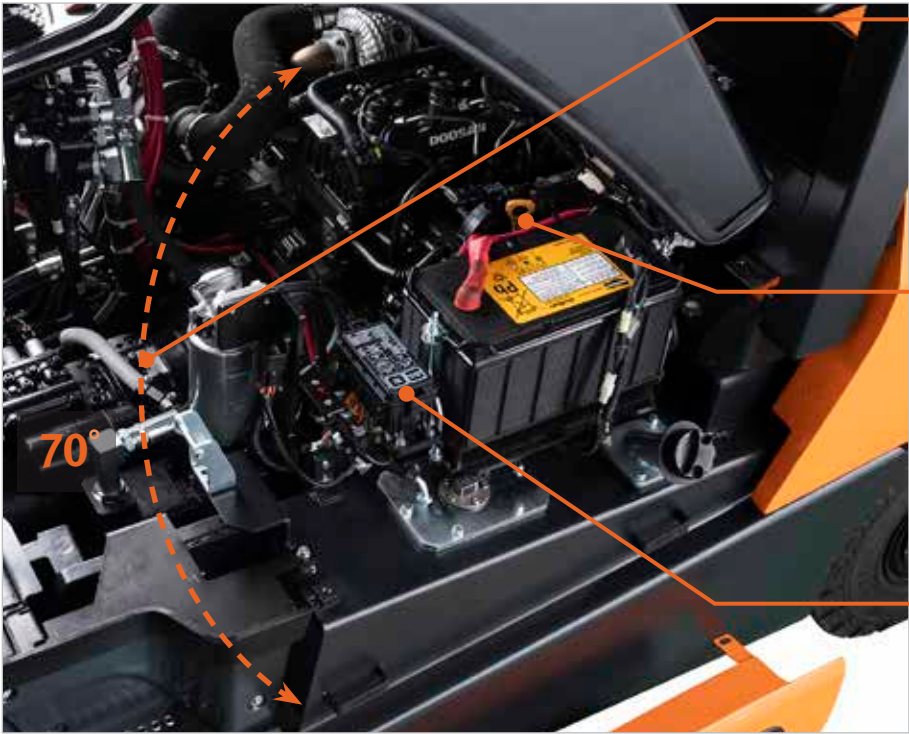
→Total 5 years of total cost of ownership (TCO) is reduced by 71%



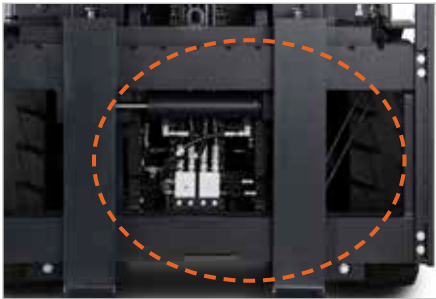
Maintenance free engine

- Adjusting clearance intake & exhaust valve: 1,000hr → No adjusting (Auto)
- Adjusting tension of fan belt : 1,000hr → No adjusting (Auto)
- Bosch fuel injector applied

Great serviceability



- Hood open angle**
The hood angle is increased to 70° to make it more comfortable to service the truck.
- Transmission oil filter and pressure check**
The transmission oil filter and pressure check port are placed on top of the transmission for easy inspection and maintenance.
- Junction box**
The electronic components are centralized so you can inspect them all at the same time.



Attachment hose
The attachment hose of the front end can be replaced individually by separating the primary/secondary section, which reduces the costs.



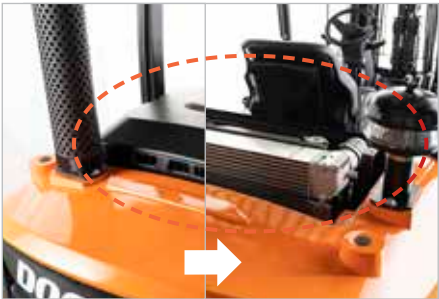
Service notification
Truck breakdown and consumable replacement cycles are notified on the display. You can easily get the service information.



Easy Diagnosis
When something goes wrong with the truck, you can easily diagnose the truck's condition with just a cable and a laptop.



Toolless removal
The floor plate and side panel can be easily detached without tools which makes inspection easier.



Radiator check
The cover on the counter weight is easy to attach and detach, making it easy to check the radiator.



Doosan Genuine Parts
The parts warehouse supplies high quality Doosan parts to your local dealer.

LIFTING YOUR DREAMS



Main Specifications

		D35S-9	D40S-9	D45S-9	D50C-9
Load Capacity	kg	3,500	4,000	4,500	5,000
Load Center	mm	600	600	600	600
Load Distance	mm	560	560	560	570
Wheelbase	mm	2,015	2,015	2,115	2,115
Height, Mast lowered	mm	2,225	2,230	2,230	2,230
Free Lift	mm	160	160	160	170
Lift	mm	3,000	3,000	3,000	3,050
Height, Mast Extended	mm	4,265	4,270	4,420	4,470
Height of Overhead Guard	mm	2,225	2,230	2,230	2,230
Height of Seat	mm	1,220	1,225	1,225	1,225
Overall Length	mm	4,160	4,200	4,480	4,530
Length to Forkface	mm	2,995	3,000	3,260	3,300
Overall Width	mm	1,370	1,455	1,455	1,455
Turning Radius	mm	2,755	2,800	2,850	2,870

D55C-9	D40SC-9	D45SC-9	D50SC-9	D55SC-9
5,500	4,000	4,500	5,000	5,500
600	500	500	500	500
570	560	560	560	570
2,115	2,015	2,015	2,115	2,115
2,230	2,225	2,230	2,230	2,230
170	160	160	160	170
3,050	3,000	3,000	3,000	3,050
4,470	4,265	4,270	4,420	4,470
2,230	2,225	2,230	2,230	2,230
1,225	1,220	1,225	1,225	1,225
4,560	4,160	4,200	4,480	4,530
3,340	2,995	3,000	3,260	3,300
1,455	1,370	1,455	1,455	1,455
2,900	2,755	2,800	2,850	2,870

Standard Features and
Optional Extras

SAFETY & STABILITY

Operator Sensing System	
Auto shift controller	
Electronic parking brake	
Automatic deceleration	
Large rear view mirror	
Reverse lock	
LED combination lights	

ERGONOMICS

Spacious Leg Room	
Small Steering Wheel	
Large Entry Grip Bar	
Anti-slip step Plate	
Adjustable steering column	
Modular Cabin - Type A,B,C	
Rear Grab Bar with Horn	
Full Cabin	

PERFORMANCE AND PRODUCTIVITY

High Powered, Fuel Efficient Engine	
Multi Torque Mode	
Emission Regulation Stage V	
Electronic Transmission	

DURABILITY & SERVICEABILITY




Dual element air cleaner	
Heavy duty radiator	
Tool-less side panel / floor plate	
Radiator cover on the counterweight	
Easy diagnosis	
Easy to access the components	
Service notification	
High speed fan	
Pre cleaner	
Vented side panel	

Standard features

Optional extras

* Remark : This list is based on factory data. Standard or optional can vary for specific countries.



-  Production Subsidiary
-  Sales Subsidiary
-  Parts Depot Center

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Authorized Dealer



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