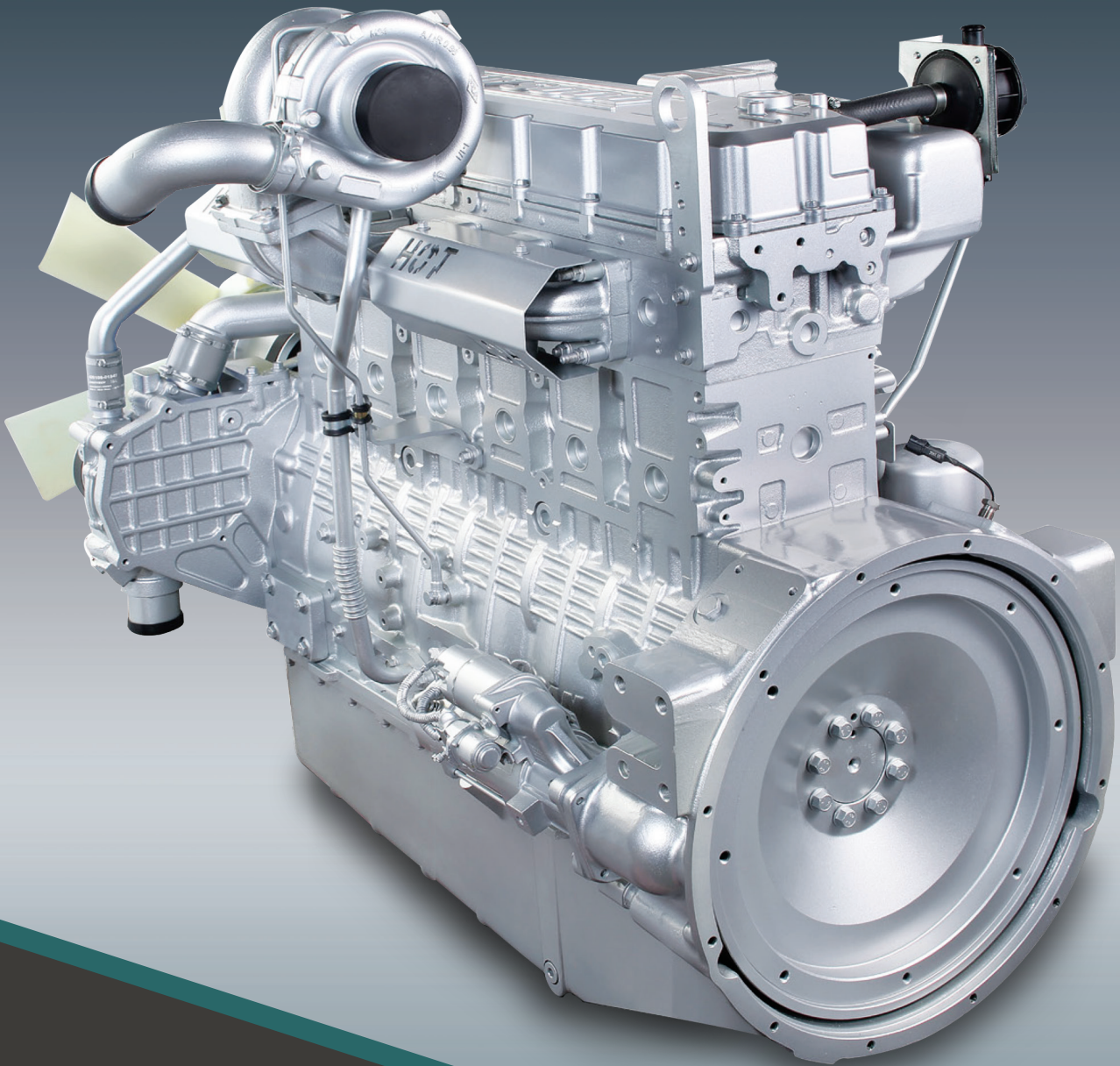


*Doosan Infracore
Engine*

Doosan DP126 Series For Power Generation



DOOSAN

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DOOSAN DP126 Series

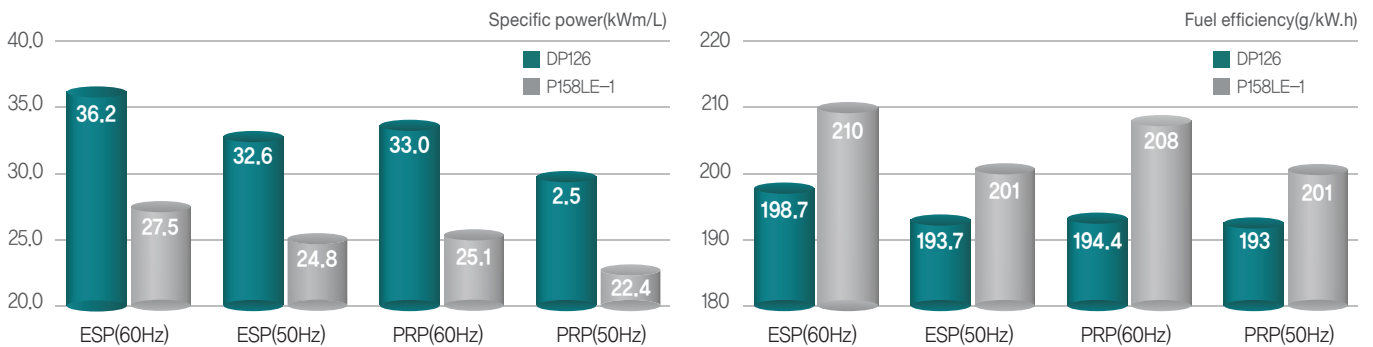
For Power Generation

Doosan Infracore, which has been engaged in engine production and development since 1958, introduces a new generator engine. The newly introduced DP126 Series has been born with the two years of effort from Doosan Infracore, the company with excellent track record of designing superb engine design techniques.

When compared to other engines in its class, which are manufactured by competitors, it displays a higher output, excellent fuel efficiency, higher safety, and easier maintenance and is expected to become the key product from Doosan Infracore.

Specification

Model	Type		Displacement (Liter)	Hz	Engine Output		Typical Generator Output			
	No. of Cyl	Aspiration			Stand-by	Prime	Stand-by		Prime	
							kWm	kWm	kWe	kVA
DP126LA	L6	TI	11.1	50Hz	321	293	287	358	260	325
				60Hz	375	346	330	412	303	378
DP126LB	L6	TI	11.1	50Hz	362	327	325	407	292	365
				60Hz	402	366	355	444	321	402



Increased output

DP126 Series is a mechanical engine that has global-level specific power, achieving the output that matches our previous V8 14.6L engine and 14L/12.4L engines from competitors.

Moreover, 50 / 60Hz conversion is possible freely without restriction of power output.

It is expected to display an additional output increase by 20% in the future when the electronic common rail type is developed.

Economic efficiency

Fuel consumption

Developed to have the lowest fuel consumption in its class.

Oil consumption

By applying impactor as a standard, oil carryover has been minimized and the oil consumption has been decreased by 50% when compared to competitors in its class.

Improved oil pan size allows operation of 500 hours without oil replenishment and oil filter replacement.

In addition, by applying an anti-drain bowl shape and anti-drain back valve oil contamination is prevented during the oil replacement.

Easy maintenance

Application of auto tensioner

By automatically adjusting the tension on the belt without supervision or modification by a user, other auxiliary machinery, including the cooling fan, can operate smoothly.

Also, timely belt replacement can be judged through the inspection of the auto tensioner.

FIE SYSTEM

- Application of Fuel & Oil Line Metal Pipe
- Application of Electric Pump Governor
- Fuel Flow through Injection Nozzle Increase
- Electric Common Rail Development Plan

INTAKE & EXHAUST SYSTEM

- Increased Turbo Charger Capacity
- Exhaust Manifold Material Change

BLOCK & LUB SYSTEM

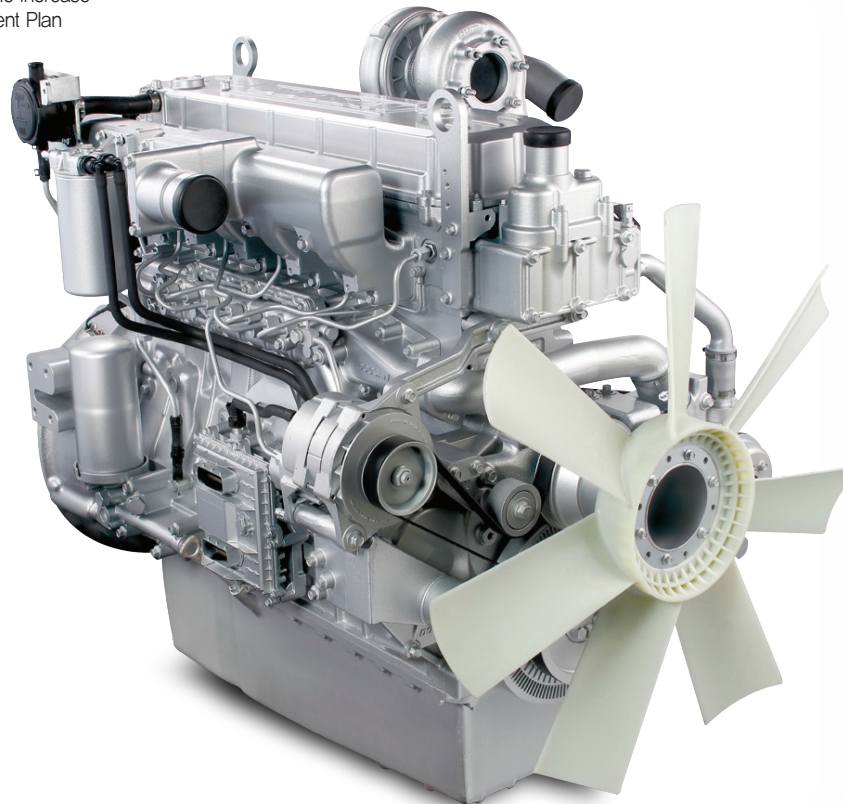
- Oil Pan Capacity Increase
Replacement Cycle 250hr → **500hr**
- Oil Filter Anti Drain Specification
- Same Mounting Location

ELECTRIC & MOVING

- Alternator Capacity Increase
45A → **80A**
- Application of Auto Tensioner & 8pk Micro V-Belt
- Application of Belt Cover
- Increased Durability of Key Components, such as Crankshaft, Con'rod, Piston, etc.

HEAD & COOLING

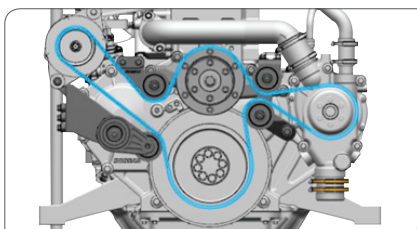
- Application of Impactor Type Breather
- Development of New Radiator
- Cooling Fan Capacity Increase



Easy maintenance

Application of Micro V-Belt

The Micro V-belt has superior bendability and additional frictional force when compared to existing V-belts on P158 engines, and the high-quality material increased the lifespan and functionality of the belt.



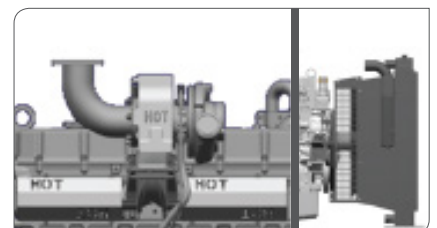
Enhanced durability

To enhance its durability, the rigidity of the main components, including the 4-valve all-in-one cylinder head, cylinder block, and crankshaft, are reinforced.

Furthermore, the durability was proven with 10,000-hour engine test.

Increased safety

Safety guards, such as belt cover, heat screen, and such, are installed to ensure the safety.





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