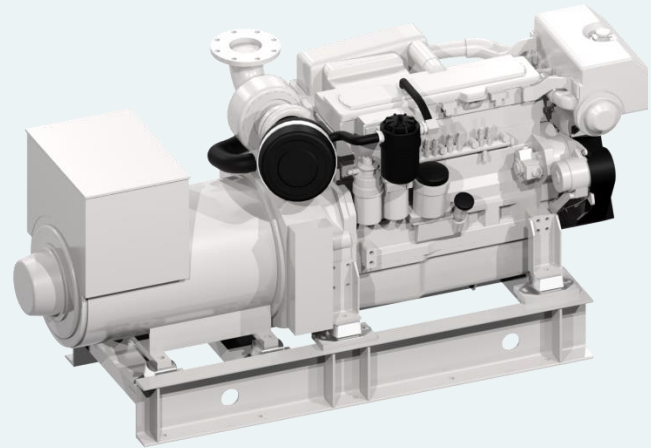


JOHN DEERE 6090SFM75

> (222-278 kW) @ 1500-1800 RPM

- > Common Rail Fuel System
- > Water cooled exhaust manifold
- > Low noise and vibrations



John Deere Auxiliary Engine

6090SFM75 is a modern common rail engine optimized for low emissions and low fuel consumption. The engine has a water cooled turbocharger and exhaust manifold, the charge air cooler is seawater cooled and this results in low surface temperatures for reliable operation. 24 volt electrical system with Nogva Motor Computer monitoring system.

Rated power and fuel consumption				
<i>RPM / Hz</i>	1500 / 50		1800 / 60	
Generator effect	222 kW		278 kW	
Fuel Consumption 100%	55,2 L/h	211 g/kWh	69,1 L/h	211 g/kWh
Fuel Consumption 75%	42,0 L/h	214 g/kWh	51,2 L/h	209 g/kWh
Fuel Consumption 50%	28,5 L/h	218 g/kWh	34,8 L/h	213 g/kWh
Fuel Consumption 25%	15,5 L/h	237 g/kWh	19,2 L/h	235 g/kWh
Emission rating	Tier 2			

Standard equipment

- > Nogva Motor Computer V2-G
- > Electronic regulation
- > 2-pole electrical system
- > Heat exchanger
- > Exhaust compensator
- > Silencer
- > Bilge pump for lub.oil
- > Engine brackets
- > Water cooled manifold
- > Vibration isolators
- > Base frame in steel
- > Heat elements in generator
- > With droop transformer for parallel operation
- > Closed crankcase ventilation with filter

Optional equipment

- > Double wall fuel pipe
- > Engine heater

JOHN DEERE 6090SFM75

General Data		Exhaust System		
Model	6090AFM75	RPM / Power	1500 / 222 kW	1800 / 278 kW
Number of cylinders	6	Exhaust temperature	430 °C	430 °C
Engine type	In-line, 4-cycle	Exhaust flow	31,8m ³ /min	54m ³ /min
Aspiration	Turbocharged	Max. back pressure	7,5 kPa	7,5 kPa
Bore and stroke	118,4 x 136 mm	Min. exhaust diameter	Dry 90 mm Wet 102 mm	Dry 127 mm Wet 140 mm
Displacement	9000 cm ³	Cooling System		
Compression ratio	16:1	Heat rejected	214 kW 12181 BTU/min	255 kW 14515 BTU/min
Max installation angle	Front up – 12° Front down – 0°	Radiated heat	31 kW 1760 BTU/min	38 kW 2180 BTU/min
Weight, dry	1066 kg	Coolant flow	216 L/min	282 L/min
Combustion system	Direct injection	Sea water pump flow	231 L/min	276 L/min
Oil capacity	----	Max. Suction lift	3 m	3 m
Fuel System		Coolant capacity	----	----
Governor type	Electronic	Air System		
Fuel injection pump	High pressure common rail	Min. ventilation area	0,090 m ²	0,141 m ²
Max. Fuel height above transfer pump	2,4 m	Engine air flow	14,6 m ³ /min	22,9 m ³ /min

Dimensions

