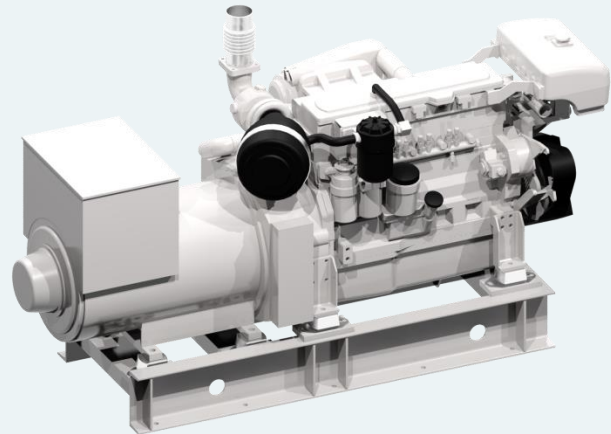


JOHN DEERE 6090AFM75

> (195-222 kW) @ 1500-1800 RPM

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



John Deere Auxiliary Engine

6090AFM75 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 freshwater 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	195 kW		222 kW	
Fuel Consumption 100%	46,8 L/h	205 g/kWh	55,5 L/h	213 g/kWh
Fuel Consumption 75%	36,3 L/h	212 g/kWh	42,7 L/h	218 g/kWh
Fuel Consumption 50%	24,8 L/h	217 g/kWh	29,4 L/h	225 g/kWh
Fuel Consumption 25%	14,3 L/h	250 g/kWh	16,5 L/h	252 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

- > Box cooler / Keel cooler
- > Radiator cooling
- > Double wall fuel pipe
- > Engine heater

JOHN DEERE 6090AFM75

General Data		Exhaust System		
Model	6090AFM75	RPM / Power	1500 / 195 kW	1800 / 222 kW
Number of cylinders	6	Exhaust temperature	430 °C	506 °C
Engine type	In-line, 4-cycle	Exhaust flow	31,8m ³ /min	39,7m ³ /min
Aspiration	Turbocharged	Max. back pressure	7,5 kPa	7,5 kPa
Bore and stroke	118 x 136 mm	Min. exhaust diameter	Dry 90 mm Wet 102 mm	Dry 90 mm Wet 102 mm
Displacement	9000 cm ³	Cooling System		
Compression ratio	16.3:1	Heat rejected	182 kW 10359 BTU/min	185 kW 10530 BTU/min
Max installation angle	Front up – 12° Front down – 0°	Radiated heat	27 kW 1514 BTU/min	30 kW 1514 BTU/min
Weight, dry	1011 kg	Coolant flow	235 L/min	282 L/min
Combustion system	Direct injection	Sea water pump flow	299 L/min	352 L/min
Oil capacity	1011 kg	Max. Suction lift	----	----
Fuel System		Coolant capacity	47.5L (Heat exchanger) - 43.5L (Keel cooling)	
Governor type	Electronic	Air System		
Fuel injection pump	High pressure common rail	Min. ventilation area	0,085 m ²	0,093 m ²
Max. Fuel height above transfer pump	2.4 m	Engine air flow	13,7 m ³ /min	15,1 m ³ /min

Dimensions with Stamford UCM274

