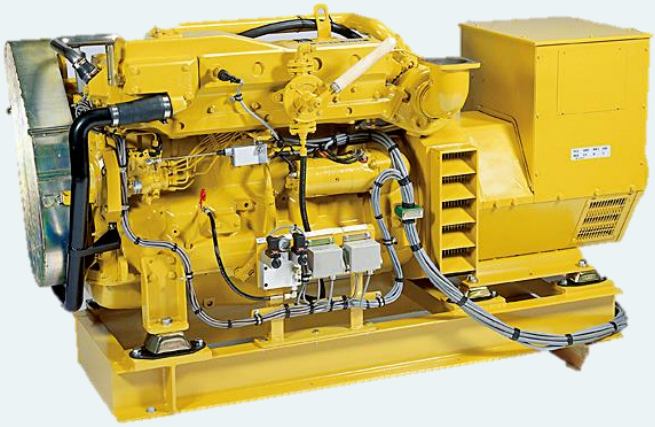
JOHN DEERE 6068TFM50

> (89-115 KW) @ 1500-1800 RPM



> **Water cooled exhaust manifold**
> **Low noise and vibrations**

John Deere Auxiliary Engine

6068TFM50 is a classic and robust turbo engine. It has a mechanical fuel pump can be supplied with keel cooling or heat exchanger. The exhaust manifold is water cooled, resulting in low surface temperatures and reliable operation. 12 or 24 volt electrical system, with Nogva Engine Computer Monitoring system.

Rated power and fuel consumption				
RPM / Hz	**1500 / 50**		**1800 / 60**	
Generator effect	89 kW		115 kW	
Fuel Consumption 100%	23,9 L/h	228 g/kWh	29 L/h	214 g/kWh
Fuel Consumption 75%	18,9 L/h	241 g/kWh	23 L/h	227 g/kWh
Fuel Consumption 50%	14 L/h	267 g/kWh	17 L/h	251 g/kWh
Fuel Consumption 25%	8,1 L/h	309 g/kWh	9,9 L/h	293 g/kWh

Standard equipment

> Nogva Motor Computer V2-G
> Hassler fininstiller for RPM
> 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

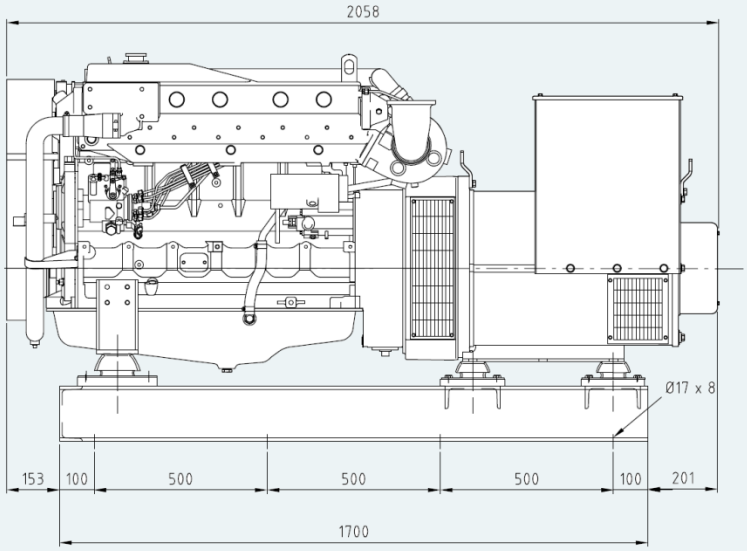
> Electronic regulation
> Box cooler / Keel cooler
> Radiator cooling
> Engine heater
> Double wall fuel pipe

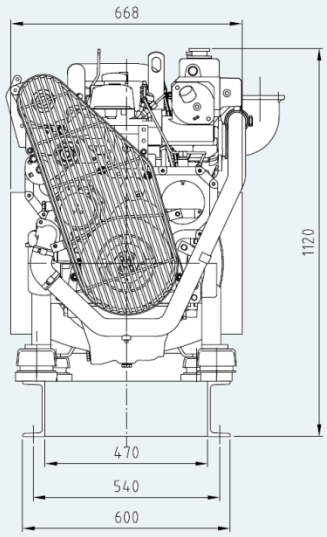
JOHN DEERE 6068TFM50

General Data	
Model	6068TFM50
Number of cylinders	6
Engine type	In-line, 4-cycle
Aspiration	Turbocharged
Bore and stroke	106 x 127 mm
Displacement	6800 cm^3
Compression ratio	17:1
Max installation angle	Front up – 9° Front down – 0°
Weight, dry	760 kg
Combustion system	Direct injection
Oil capacity	24,6 L
Fuel System	
Governor type	Mechanical
Max fuel transfer pump suction	0,9 m
Max fuel height above injection pump	1,4 m

Exhaust System		
RPM / Power	***1500 / 89 kW***	***1800 / 115 kW***
Exhaust temperature	400 °C	370 °C
Exhaust flow	$12{,}7 m^3/min$	$17 m^3/min$
Max. back pressure	7,5 kPa	7,5 kPa
Min. exhaust diameter	Dry 100mm Wet 113mm	Dry 100mm Wet 113mm
Cooling System		
Heat rejected	75 kW 4275 BTU/min	98 kW 5575 BTU/min
Radiated heat	13,1 kW 750 BTU/min	15,9 kW 900 BTU/min
Coolant flow	116 L/min	125 L/min
Sea water pump flow	68 L/min	83 L/min
Max. Suction lift	3 m	3 m
Coolant capacity	19 L	19 L
Air System		
Min. ventilation area	0,035 m^2	0,048 m^2
Engine air flow	6 m^3/min	8 m^3/min

Dimensions with Stamford UCM274E





NOGVA MOTORFABRIKK AS
N-6280 SØVIK

T: +47 70 20 84 00
F: +47 70 20 84 01

E-POST: firmapost@nogva.no
> nogva.no