

JOHN DEERE 4045TFM50

> (57-71 kW) @ 1500-1800 O/MIN

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



John Deere Auxiliary Engine

4045TFM50 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				
<u>RPM / Hz</u>	1500 / 50		1800 / 60	
Generator effect	57 kW		71 kW	
Fuel Consumption 100%	14,4 L/h	215 g/kWh	17,6 L/h	211 g/kWh
Fuel Consumption 75%	10,6 L/h	211 g/kWh	13,4 L/h	214 g/kWh
Fuel Consumption 50%	7,5 L/h	224 g/kWh	9,7 L/h	232 g/kWh
Fuel Consumption 25%	4,3 L/h	256 g/kWh	5,6 L/h	268 g/kWh

Standard equipment

- > Diesel automatics D1
- > 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
- > Nogva Motor Computer

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General Data		Exhaust System		
Model	4045TFM50	RPM / Power	1500 / 57 kW	1800 / 71 kW
Number of cylinders	4	Exhaust temperature	413 °C	411 °C
Engine type	In-line, 4-cycle	Exhaust flow	8,5m ³ /min	10,5m ³ /min
Aspiration	Turbocharged	Max. back pressure	7,5 kPa	7,5 kPa
Bore and stroke	106 x 127 mm	Min. exhaust diameter	Dry 50mm Wet 63mm	Dry 50mm Wet 63mm
Displacement	4500 cm ³	Cooling System		
Compression ratio	17.2:1	Heat rejected	40 kW 2275 BTU/min	49 kW 2800 BTU/min
Max installation angle	Front up – 12° Front down – 0°	Radiated heat	7,2 kW 410 BTU/min	8,8 kW 500 BTU/min
Weight, dry	462 kg	Coolant flow	116 L/min	125 L/min
Combustion system	Direct injection	Sea water pump flow	68 L/min	83 L/min
Oil capacity	14 L	Max. Suction lift	3 m	3 m
Fuel System		Coolant capacity	14 L	14 L
Governor type	Mechanical	Air System		
Max fuel transfer pump suction	0,9 m	Min. ventilation area	0,022 m ²	0,026 m ²
Max fuel height above injection pump	1,4 m	Engine air flow	4 m ³ /min	5 m ³ /min

Dimensions with Stamford UCM224G

