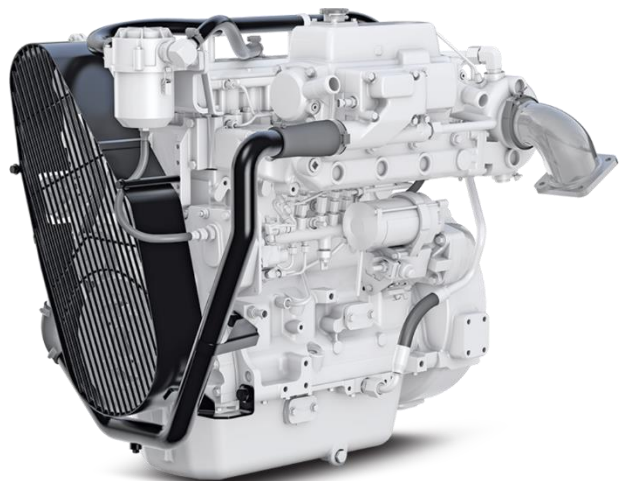




JOHN DEERE

4045AFM85 M4 Marine Diesel



Hästkrifter / kW: 225hk / 168kW
 Max rpm: 2600
 Konfiguration: Rak 4cyl, 4,5L
 Borrning och slag: mm 107 x 127
 Turbo
 Air-to-coolant aftercooled
 Max längd: mm 1105
 Längd till baksidan av sprängkåpa: mm 890
 Sprängkåpa: SAE 3
 Höjd: mm 964
 Höjd, vevaxelns mittlinje till topp: mm 654
 Höjd, vevaxelns mittlinje till botten: mm 310
 Vikt, torr: kg 578

Pris: 249.500:- inkl. moms (se spec. nr: C254962)

John Deere motorer är tillförlitliga, tysta, bränslesnåla och ger utmärkt manövreringsförmåga tack vare högt vridmoment redan från låga varvtal.

John Deere har sedan 1949 tillverkat över 5 miljoner dieselmotorer för marin och offroad applikationer.

Motorerna levereras skräddarsydda med flera valmöjligheter för elsystem, generatorstorlek, svänghjulsåpa, kylningstyp och placering av servicepunkter.

Sortimentet på John Deere 4045 sträcker sig från 60 hk till 315hk.

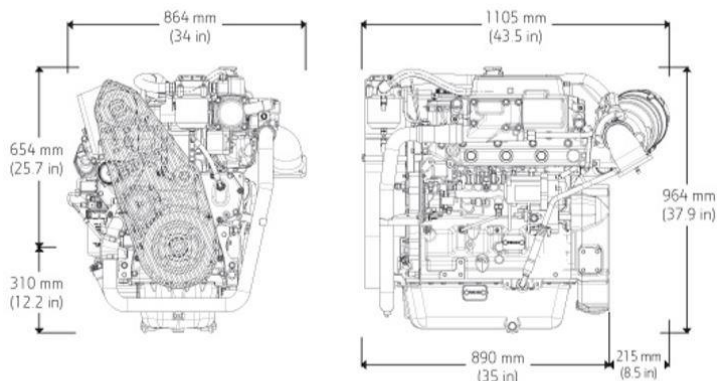
Tillförlitlig kraft och säkerhet för tuffa krav får du om du väljer John Deere.

Produktinfo:

- M4 rating
- SAE 3 housing and SAE 11 1/2" disc
- Motorfästen
- Motorkudde 4st
- Instrument panel (Generation II Marine Electronics)
- Kablage ECU till instrumentpanel, 9m (Gen II M. E.)
- Kablage Motor till ECU, 3 ft (1M) (Gen II M. E.)
- Kickback Start and Transfer Pump Relay, 12-volt
- 12V
- Blöta avgaser med värmeväxlare

Tillval & tillbehör:

Backslag TM-170 pleasure duty 1.5 & 2.04:1	40.200:-
Bowman oljekyl (för backslag)	9.000:-
24v & 2polig el	3.350:-
Torra avgaser (istället för blöta)	- 4.970:-
Kölkyl med torra avgaser	- 16.500:-
Motorolja 20L JD Plus II 15W-40	1.700:-
Kylarvätska 20L Cool-Gard II PG 20 I, färdigbl.	1.830:-
Oljefilter	300:-
Bränslefilter kit (primary and final filter 2 & 10mic	1.150:-
Impellerkit	2.020:-
Zinkanod + plugg	266:-



Dimensions shown in mm (in) may vary according to options selected. Contact your distributor for more information.

Diesel Power AB

Kungsparksvägen 21
SE-434 39 Kungsbacka

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info@dpower.se

Alla priser är inkl. moms, vi friskriver oss ev. felskrivningar

General Data

Model	4045AFM85		
Number of Cylinders	4		
Bore	107 mm	4.21 in	
Stroke	127 mm	5.00 in	
Displacement	4.5 L	275 in ³	
Compression Ratio	16.7:1		
Valves per Cylinder, Intake/Exhaust	2/2		
Combustion System	Direct Injection		
Firing Order	1-3-4-2		
Engine Type	In line, 4 Cycle		
Aspiration	Turbocharged and Aftercooled		
Aftercooling System	Engine coolant		
Engine Crankcase Vent System	Closed		

Cooling System*

Engine Coolant Heat Rejection**	172 kW	9790 BTU/min
Max. Pressure Drop Across Keel Cooler	40 kPa	5.8 psi
Coolant Flow	230 L/min	61 gal/min
Min. Coolant Pump Inlet Pressure	30.3 kPa	4.4 psi
Thermostat Start to Open	71 °C	160 °F
Thermostat Fully Open	83 °C	182 °F
Engine Coolant Capacity, HE	17 L	4.4 gal
Engine Coolant Capacity, KC	20 L	5.2 gal
Min. Coolant Fill Rate	12 L/min	3.2 gal/min
Min. Pressure Cap	110.3 kPa	16 psi
Max. External Coolant Restriction	40 kPa	5.8 psi
Normal Operation Max Top Tank Temperature	100 °C	212 °F
≤ 5% of Total Operating Time Top Tank Temperature	100-110 °C	212-230 °F
Absolute Max Top Tank Temperature	110 °C	230 °F
Recommended Fuel Cooler	2 kW	121 BTU/min
Engine Radiated Heat	12 kW	694 BTU/min

Fuel System

ECU Description	L14	
Fuel Injection Pump	HPCR	
Governor Type	Electronic	
Volumetric Fuel Consumption	48.6 L/hr	12.8 gal/hr
Mass Fuel Consumption	41.3 kg/hr	91 lb/hr
Total Fuel Volumetric Flow	152 L/hr	40.0 gal/hr
Total Fuel Mass Flow	129 kg/hr	284 lb/hr
Max. Fuel Inlet Restriction*	20 kPa	80 in.H2O
Max. Fuel Inlet Pressure	20 kPa	80 in.H2O
Max Fuel Return Pressure	20 kPa	80 in.H2O
Normal Operation Fuel Temperature	40 °C	104 °F
Max. Fuel Inlet Temperature	100 °C	212 °F
Min. Recommended Fuel Line Inside Diameter	6.63 mm	0.26 in
Min. Recommended Fuel Line Size	5 (-) AN	
Primary Fuel Filter	10 mic	
Secondary Fuel Filter	2 mic	

Lubrication System

Oil Pressure at Rated Speed	436 kPa	63 psi
Oil Pressure at Low Idle (800rpm)**	213 kPa	31 psi
Max. Crankcase Pressure	2 kPa	8 in.H2O
Maximum Installed Angle, Front Down	0 deg	
Maximum Installed Angle, Front Up	12 deg	
Engine Angularity Limits Any Direction, Continuous***	35 deg	
Engine Angularity Limits Any Direction, Intermittent***	45 deg	

Seawater Pump System

Seawater Pump Flow	246 L/min	65 gal/min
Max. Suction Lift	3 m	9.8 ft
Max. Outlet Pressure	140 kPa	20 psi
Max. Inlet Restriction	30 kPa	4 psi

Physical Data

Length to rear face of block	752 mm	29.6 in
Length to rear face of flywheel housing (SAE #3)	890 mm	35.0 in
Length maximum	1105 mm	43.5 in
Width maximum	864 mm	34.0 in
Height, crank centerline to top	654 mm	25.7 in
Height, crank centerline to bottom	310 mm	12.2 in
Weight, with oil, no coolant (includes engine, flywheel housing, flywheel, and electronics)	578 kg	1274 lb
Center of Gravity Location, X-axis From Rear Face of Block	273 mm	10.8 in
Center of Gravity Location, Y-axis Right of Crankshaft	4.78 mm	0.2 in
Center of Gravity Location, Z-axis Above Crankshaft	227 mm	8.9 in
Max. Allowable Static Bending Moment At Rear Face of Flywheel Housing (for installations up to 5-G)	814 Nm	600 lb-ft
Thrust Bearing Load Limit, Forward Continuous	2.2 kN	495 lbf
Thrust Bearing Load Limit, Forward Intermittent	4 kN	899 lbf
Thrust Bearing Load Limit, Rearward Continuous	1 kN	225 lbf
Thrust Bearing Load Limit, Rearward Intermittent	2 kN	450 lbf

Electrical System

Min. Recommended Battery Capacity, 12V @32 °F (0 °C)	625 amps
Min. Recommended Battery Capacity, 24V @32 °F (0 °C)	500 amps
Starter Rolling Current, 12V @32 °F (0 °C)	920 amps
Starter Rolling Current, 24V @32 °F (0 °C)	600 amps
Min. Voltage at ECU during Cranking, 12V	6 volts
Min. Voltage at ECU during Cranking, 24V	10 volts
Max. Allowable Start Circuit Resistance, 12V	0.002 ohms
Max. Allowable Start Circuit Resistance, 24V	0.0012 ohms
Electrical Component Maximum Temperature Limit	125 °C 257 °F
Maximum ECU Temperature	105 °C 221 °F

Air Intake System

Engine Air Flow	15.19 m ³ /min	536.4 ft ³ /min
Intake Manifold Pressure	242.4 kPa	35.2 psi
Manifold Air Temperature	107 °C	225 °F
Maximum Manifold Air Temperature	130 °C	266 °F
Max. Allowable Temperature Rise, Ambient Air to Engine Inlet	17 °C	30 °F
Max. Air Intake Restriction, Clean Air Cleaner	3 kPa	12 in.H ₂ O
Max. Air Intake Restriction, Dirty Air Cleaner	6.25 kPa	25 in.H ₂ O
Min. Ventilation Area	0.093 m ²	145 in ²

Performance Data

Rated Power	168 kW	225 hp
Rated Speed	2600 RPM	
Peak Torque Speed	2100 RPM	
Low Idle Speed	600 RPM	
Rated Torque	714 Nm	527 ft-lb
Peak Torque	681 Nm	502 ft-lb
BMEP, Rated	2003 kPa	290 psi
Rated Pferdestärke (metric hp)	228 ps	
Front Drive Capacity, Intermittent	621 Nm	458 lb-ft
Front Drive Capacity, Continuous	621 Nm	458 lb-ft

Exhaust System

Exhaust Flow	33.4 m ³ /min	1180 ft ³ /min
Exhaust Flow @ gas STP	15.6 m ³ /min	551 ft ³ /min
Exhaust Temperature	415 °C	779 °F
Max. Allowable Exhaust Restriction	7.5 kPa	30 in.H ₂ O
Max. Shear on Turbocharger Exhaust Outlet	11 kg	24.3 lb
Max. Bending Moment on Turbocharger Exhaust Outlet	7 Nm	15.4 lb-ft
Min. Exhaust Pipe Diameter, Dry	114.3 mm	4.5 in
Min. Exhaust Pipe Diameter, Wet	127 mm	5.0 in

