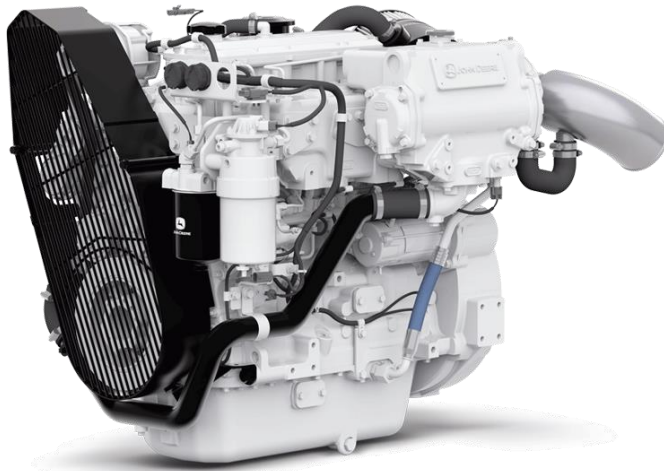




JOHN DEERE

4045SFM85 M5 Marine Diesel



Hästkrifter / kW: 315hk / 235kW
 Max rpm: 2800
 Konfiguration: Rak 4cyl, 4,5L
 Borrning och slag: mm 107 x 127
 Motortyp: In-line, 4-cykel
 Aspiration Turboladdad och luft-till-kylvätska
 Laddluftkylare
 Max längd: mm 1145
 Längd till baksidan av sprängkåpa: mm 900
 Sprängkåpa: SAE 2 och 3
 Höjd: mm 922
 Höjd, vevaxelns mittlinje till topp: mm 611
 Höjd, vevaxelns mittlinje till botten: mm 311
 Vikt, torr: kg 558

Pris: 290.500:- inkl. moms (se spec. C254726)

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.

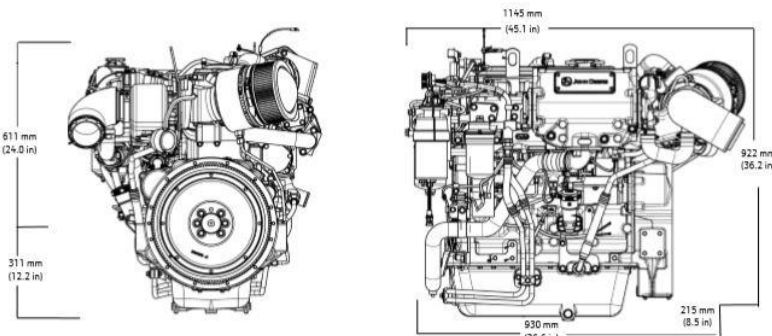
Tillförlitlig kraft och säkerhet för tuffa krav får du om du väljer John Deere.

Produktinfo:

- M5 rating (0,5h av varje 8h fullt gaspådrag)
- SAE 3 housing and SAE 11 1/2" disc
- Motorfästen
- Motorkudde 4st PC-182, 45 Sh
- 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-265 pleasure duty 1.5, 2.09 & 2.85:1	62.800:-
Bowman oljekyl (för backslag)	9.000:-
24v & 2polig el	2.350:-
Torra avgaser (istället för blöta)	13.300:-
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	4045SFM85		
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	Seawater Cooled		
Engine Crankcase Vent System	Closed		

Cooling System*

Jacket Water Heat Rejection**	153.8 kW	8756 BTU/min
Aftercooler Heat Rejection**	55.3 kW	3146 BTU/min
Max. Pressure Drop Across KC and Piping	40 kPa	5.8 psi
Coolant Flow	276 L/min	73 gal/min
Min. Coolant Pump Inlet Pressure	30.3 kPa	4.4 psi
Thermostat Start to Open	66 °C	151 °F
Thermostat Fully Open	79 °C	174 °F
Engine Coolant Capacity, HE	20 L	5.3 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	105 BTU/min
Engine Radiated Heat	31 kW	1781 BTU/min

Fuel System

ECU Description	L14	
Fuel Injection Pump	HPCR	
Governor Type	Electronic	
Volumetric Fuel Consumption	62.3 L/hr	16.5 gal/hr
Mass Fuel Consumption	53 kg/hr	117 lb/hr
Total Fuel Volumetric Flow	152 L/hr	40.2 gal/hr
Total Fuel Mass Flow	129 kg/hr	285 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	6.64 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	355 kPa	52 psi
Oil Pressure at Low Idle (600rpm)**	135 kPa	20 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	252 L/min	67 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	762 mm	30.0 in
Length to rear face of flywheel housing (SAE #3)	900 mm	35.4 in
Length maximum	1145 mm	45.1 in
Width maximum	829 mm	32.7 in
Height, crank centerline to top	611 mm	24.0 in
Height, crank centerline to bottom	311 mm	12.2 in
Weight, with oil, no coolant (includes engine, flywheel housing, flywheel, and electronics) ***	558 kg	1230 lb
Center of Gravity Location, X-axis From Rear Face of Block	286 mm	11.3 in
Center of Gravity Location, Y-axis Right of Crankshaft	8.4 mm	0.3 in
Center of Gravity Location, Z-axis Above Crankshaft	170 mm	6.7 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)	640 amps
Min. Recommended Battery Capacity, 24V @32 °F (0 °C)	570 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	17.2 m ³ /min	606 ft ³ /min
Intake Manifold Pressure	233 kPa	34.6 psi
Manifold Air Temperature	51 °C	124 °F
Maximum Manifold Air Temperature	77 °C	170.6 °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	0.11 m ²	164 in ²

Performance Data

Rated Power	235 kW	315 hp
Rated Speed	2800 RPM	
Peak Torque Speed	2000 RPM	
Low Idle Speed	600 RPM	
Rated Torque	801 Nm	591 ft-lb
Peak Torque	980 Nm	723 ft-lb
BMEP, Rated	2238 kPa	325 psi
Rated Pferdestärke (metric hp)	320 ps	
Front Drive Capacity, Intermittent	621 Nm	458 lb-ft
Front Drive Capacity, Continuous	621 Nm	458 lb-ft

Exhaust System

Exhaust Flow	41.5 m ³ /min	1465 ft ³ /min
Exhaust Flow @ gas STP	18 m ³ /min	625 ft ³ /min
Exhaust Temperature	478 °C	893 °F
Max. Allowable Exhaust Restriction	10 kPa	40 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	101.6 mm	4.0 in
Min. Exhaust Pipe Diameter, Wet	127 mm	5.0 in

