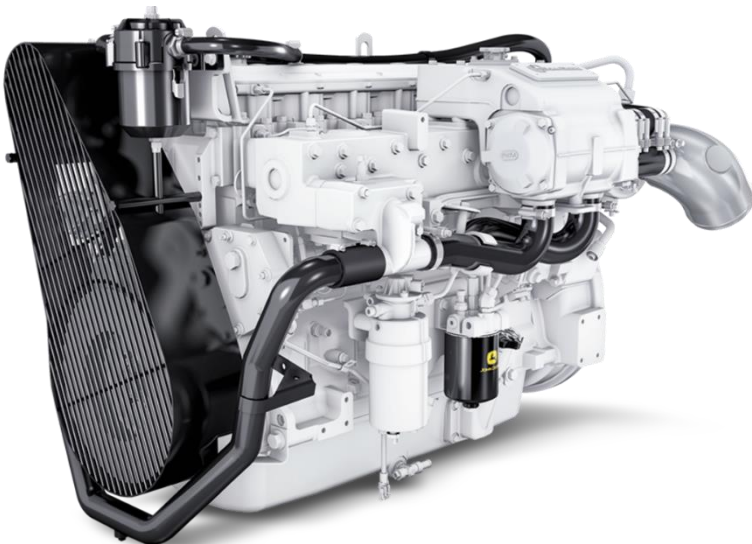




JOHN DEERE

6068SFM85 M5 Marine Diesel



Hästkrifter / kW: 400hk / 298kW
 Max rpm: 2800
 Konfiguration: Rak 6cyl, 6,8L
 Borrning och slag: mm 107 x 127
 Motortyp: In-line, 4-cykel
 Aspiration Turboladdad och luft-till-kylvätska efterkyld
 Max längd: mm 1489
 Längd till baksidan av sprängkåpa: mm 1172
 Sprängkåpa: SAE 3
 Höjd: mm 931
 Höjd, vevaxelns mittlinje till topp: mm 640
 Höjd, vevaxelns mittlinje till botten: mm 291
 Vikt, torr: kg 763

Pris: 356.900:- inkl. moms (se spec. C254738)

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 6068 sträcker sig från 154 hk till 400hk.

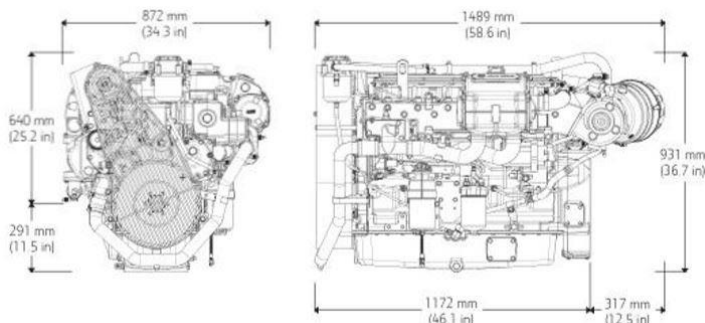
Tillförlitlig kraft och säkerhet för tuffa krav får du om du väljer John Deere.

Produktinfo:

- M5 rating (0,5h av varje 8h fullt gaspådrag)
- SAE 3 housing and SAE 11 1/2" disc
- Motorfästen
- Motorkudde 4st PC-182, 55 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)	10.000:-
24v & 2polig el	3.900:-
Torra avgaser (istället för blöta)	8.850:-
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	2.025:-
Zinkanod + plugg	266:-



Diesel Power AB

Kungsparksvägen 21
SE-434 39 Kungsbacka

Tel: +46 31-748 62 00
info@dpower.se

General Data

Model	6068SFM85		
Number of Cylinders	6		
Bore	106 mm	4.17 in	
Stroke	127 mm	5.00 in	
Displacement	6.8 L	415 in ³	
Compression Ratio	16.3:1		
Valves per Cylinder, Intake/Exhaust	2/2		
Combustion System	Direct injection		
Firing Order	1-5-3-6-2-4		
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**	231.19 kW	13159 BTU/min
Aftercooler Heat Rejection	70.15 kW	3993 BTU/min
Coolant Flow	271 L/min	72 gal/min
Min. Coolant Pump Inlet Pressure	30.3 kPa	4.4 psi
Thermostat Start to Open	81 °C	178 °F
Thermostat Fully Open	95 °C	203 °F
Engine Coolant Capacity, HE	31.5 L	8.3 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
Tank Temperature		
Absolute Max Top Tank Temperature	110 °C	230 °F
Return Fuel Heat Rejection	2 kW	130 BTU/min
Engine Radiated Heat	41 kW	2324 BTU/min

Fuel System

ECU Description	L14	
Fuel Injection Pump	HPCR	
Governor Type	Electronic	
Volumetric Fuel Consumption	81.3 L/hr	21.5 gal/hr
Mass Fuel Consumption	69.1 kg/hr	152 lb/hr
Total Fuel Volumetric Flow	192 L/hr	50.7 gal/hr
Total Fuel Mass Flow	163 kg/hr	360 lb/hr
Max. Fuel Inlet Restriction*	20 kPa	80 in.H ₂ O
Max. Fuel Inlet Pressure	20 kPa	80 in.H ₂ O
Max Fuel Return Pressure	20 kPa	80 in.H ₂ O
Normal Operation Fuel Temperature	40 °C	104 °F
Max. Fuel Inlet Temperature	100 °C	212 °F
Min. Recommended Fuel Line Inside Diameter	7.46 mm	0.29 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	415 kPa	60 psi
Oil Pressure at Low Idle (800rpm)**	180 kPa	26 psi
Max. Crankcase Pressure	2 kPa	8 in.H ₂ O
Maximum Installed Angle, Front Down	0 deg	
Maximum Installed Angle, Front Up	12 deg	
Engine Angularity Limits Any Direction, Continuous***	25 deg	
Engine Angularity Limits Any Direction, Intermittent***	35 deg	

Seawater Pump System

Seawater Pump Flow	389 L/min	103 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	1034 mm	40.7 in
Length to rear face of flywheel housing (SAE #3)	1172 mm	46.1 in
Length maximum	1489 mm	58.6 in
Width maximum	872 mm	34.3 in
Height, crank centerline to top	640 mm	25.2 in
Height, crank centerline to bottom	291 mm	11.5 in
Weight, with oil, no coolant (includes engine, flywheel housing, flywheel, and electronics)	763 kg	1682 lb
Center of Gravity Location, X-axis From Rear Face of Block	407 mm	16.0 in
Center of Gravity Location, Y-axis Right of Crankshaft	-23 mm	-0.9 in
Center of Gravity Location, Z-axis Above Crankshaft	187 mm	7.4 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)	925 amps
Min. Recommended Battery Capacity, 24V @32 °F (0 °C)	625 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	22.75 m ³ /min	803 ft ³ /min
Intake Manifold Pressure	161.6 kPa	26.5 psi
Manifold Air Temperature	36 °C	97 °F
Maximum Manifold Air Temperature	67 °C	152.6 °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	0.14 m ²	217 in ²

Performance Data

Rated Power	298 kW	400 hp
Rated Speed	2800 RPM	
Peak Torque Speed	2200 RPM	
Low Idle Speed	600 RPM	
Rated Torque	1016 Nm	750 ft-lb
Peak Torque	1230 Nm	907 ft-lb
BMEP, Rated	1878 kPa	272 psi
Rated Pferdestärke (metric hp)	405 ps	
Front Drive Capacity, Intermittent	907 Nm	669 lb-ft
Front Drive Capacity, Continuous	907 Nm	669 lb-ft

Exhaust System

Exhaust Flow	55.5 m ³ /min	1960 ft ³ /min
Exhaust Flow @ gas STP	23.9 m ³ /min	844 ft ³ /min
Exhaust Temperature	470 °C	878 °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	127 mm	5.0 in
Min. Exhaust Pipe Diameter, Wet	139.7 mm	5.5 in

