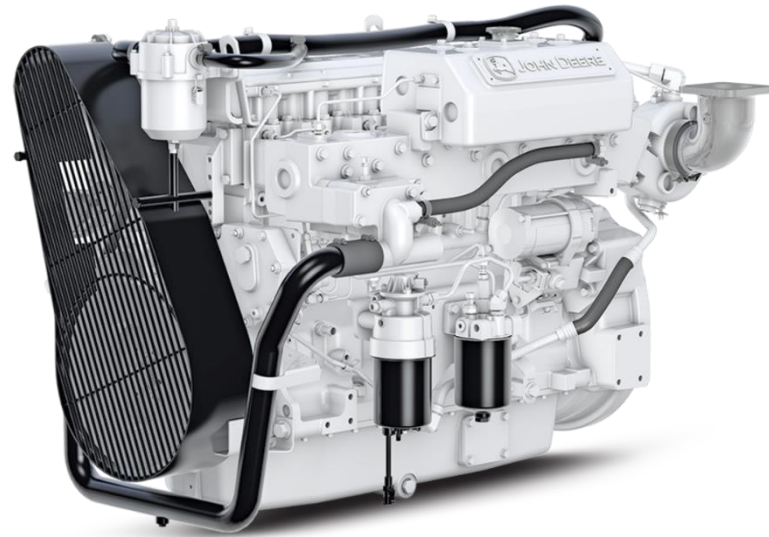




JOHN DEERE

6068AFM85 M1 Marine Diesel



Hästkrafter / kW: 230hk / 172kW

Max rpm: 2300

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 2

Höjd: mm 935

Höjd, vevaxelns mittlinje till topp: mm 644

Höjd, vevaxelns mittlinje till botten: mm 291

Vikt, torr: kg 787

Pris: 294.900:- inkl. moms (se spec. C254731)

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.

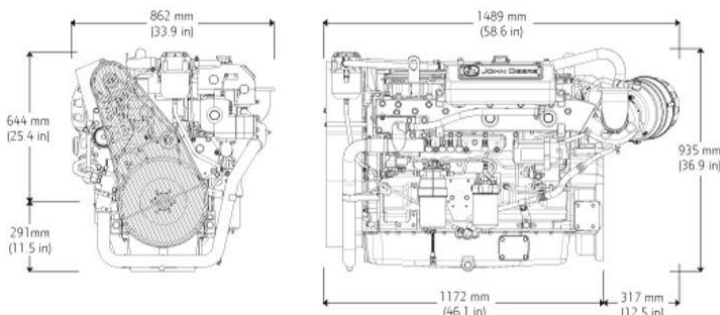
Tillförlitlig kraft och säkerhet för tuffa krav får du om du väljer John Deere.

Produktinfo:

- M1 rating obegränsat årligt användande
- SAE 2 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-360 continuous duty 3.0, 3.5, 4.0 & 5.0:1	118.000:-
Bowman oljekyl (för backslag)	10.000:-
24v & 2polig el	3.690:-
Torra avgaser (istället för blöta)	-8.850:-
Kölkyl med torra avgaser	-34.760:-
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:-



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

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

Diesel Power AB

Kungsparksvägen 21
SE-434 39 Kungsbacka

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

General Data

Model	6068AFM85		
Number of Cylinders	6		
Bore	107 mm	4.21 in	
Stroke	127 mm	5.00 in	
Displacement	6.8 L	415 in ³	
Compression Ratio	16.7:1		
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	Engine coolant		
Engine Crankcase Vent System	Closed		

Cooling System*

Engine Coolant Heat Rejection**	184 kW	10462 BTU/min
Max. Pressure Drop Across Keel Cooler	40 kPa	5.8 psi
Coolant Flow	248 L/min	66 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	34 L	9.0 gal
Engine Coolant Capacity, KC	33.5 L	8.8 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
Recommended Fuel Cooler	3 kW	166 BTU/min
Engine Radiated Heat	26 kW	1455 BTU/min

Fuel System

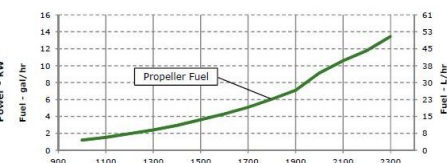
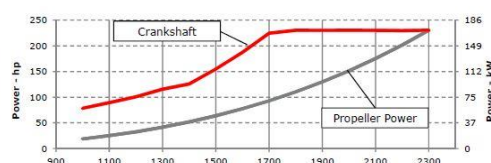
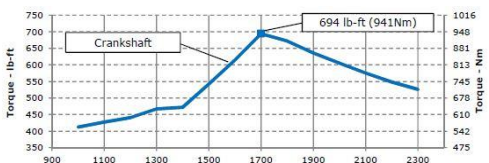
ECU Description	L14	
Fuel Injection Pump	HPCR	
Governor Type	Electronic	
Volumetric Fuel Consumption	50.9 L/hr	13.4 gal/hr
Mass Fuel Consumption	43.3 kg/hr	95 lb/hr
Total Fuel Volumetric Flow	192 L/hr	50.7 gal/hr
Total Fuel Mass Flow	163 kg/hr	360 lb/hr
Max. Fuel Inlet Restriction*	20 kPa	80 in.H2O
Max. 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	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	310 kPa	45 psi
Oil Pressure at Low Idle (800rpm)**	150 kPa	22 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***	25 deg	
Engine Angularity Limits Any Direction, Intermittent***	35 deg	

Seawater Pump System

Seawater Pump Flow	238 L/min	63 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 #2)	1172 mm	46.1 in
Length maximum	1489 mm	58.6 in
Width maximum	862 mm	33.9 in
Height, crank centerline to top	644 mm	25.4 in
Height, crank centerline to bottom	291 mm	11.5 in
Weight, with oil, no coolant (includes engine, flywheel housing, flywheel, and electronics)	787 kg	1735 lb
Center of Gravity Location, X-axis From Rear Face of Block	390 mm	15.3 in
Center of Gravity Location, Y-axis Right of Crankshaft	-14 mm	-0.6 in
Center of Gravity Location, Z-axis Above Crankshaft	186 mm	7.3 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	15.8 m ³ /min	557 ft ³ /min
Intake Manifold Pressure	161 kPa	23.4 psi
Manifold Air Temperature	91.2 °C	196 °F
Maximum Manifold Air Temperature	130 °C	266 °F
Max. Allowable Temperature Rise, Ambient	17 °C	30 °F
Air to Engine Inlet		
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	0.097 m ²	150 in ²

Performance Data

Rated Power	172 kW	230 hp
Rated Speed	2300 RPM	
Peak Torque Speed	1700 RPM	
Low Idle Speed	600 RPM	
Rated Torque	712 Nm	525 ft-lb
Peak Torque	941 Nm	694 ft-lb
BMEP, Rated	1316 kPa	191 psi
Rated Pferdestärke (metric hp)	233 ps	
Front Drive Capacity, Intermittent	907 Nm	669 lb-ft
Front Drive Capacity, Continuous	907 Nm	669 lb-ft

Exhaust System

Exhaust Flow	36 m ³ /min	1271 ft ³ /min
Exhaust Flow @ gas STP	15.3 m ³ /min	540 ft ³ /min
Exhaust Temperature	424 °C	795 °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	101.6 mm	4.0 in
Min. Exhaust Pipe Diameter, Wet	127 mm	5.0 in