



4.5L



13.5L

## You work hard for a living.

So why pay any more than you have to for fuel costs and engine maintenance? For low cost of ownership and proven reliability, make sure your engine is a John Deere from MSI.

Our John Deere electronically controlled engines offer benefits that weren't possible before: advanced diagnostics, cleaner engines, performance advantages, and engine protection.

### Features You Can Count On

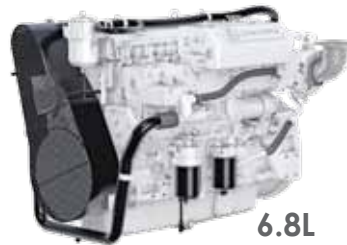
John Deere PowerTech 4.5L, 6.8L, 9.0L and 13.5L engines are built for long life and outstanding performance with the features you want:

- Water-cooled exhaust manifold for cooler, quieter performance
- Internal coolant passages minimize leaks by eliminating hoses and fittings
- Low-friction, high-ring pistons for good fuel economy
- Strong, heavy-duty crankshaft
- High-capacity heat exchanger works through adverse conditions
- Keel-cooler option for application flexibility
- Compact design for easy installation
- Replaceable wet liners, precision-joint connecting rod/cap joint, and replaceable valve seats make rebuilding easy.
- Dipstick and oil fill on either side, for faster maintenance
- Poly-vee belt drive increases durability and reduces maintenance
- Standard balancer shafts eliminate vibration in 4-cylinder engines

### Accessories and Options

We offer a wide variety of accessories and options that let you equip your John Deere engine for propulsion, generator set, or any number of auxiliary applications.

- SAE flywheel and housing options
- Fuel systems with multiple ratings
- 3-5 percent or isochronous governors for gen sets
- Keel-cooled or heat-exchanger-cooled
- Engine isolators with optional mounting legs
- Auxiliary drives and front PTO
- 12- and 24-volt electrics
- Wet or dry exhaust elbows
- Prewired instrument panel
- Long-life dry-type washable air filters
- Closed crankcase vent



6.8L



9.0L

**Check your rating and find the right John Deere engine for you.**

**M1:** For propulsion applications that operate up to 24 hours a day at uninterrupted full power. These applications typically operate for over 3,000 hours per year. The M1 rating includes ISO8665 “standard power” and the SAEJ1228 “crankshaft power” ratings.

**M2:** For propulsion applications that utilize full power up to 16 hours of each 24-hour period of operation. These applications typically operate at full power as much as 65 percent of the time, and accumulate up to 3,000 hours per year.

**M3:** For propulsion applications that utilize full power in up to four hours of each 24-hour period of operation. These applications typically operate at full power as much as 35 percent of the time, and accumulate up to 2,000 hours per year.

**M4:** For propulsion applications that utilize full power for no more than an hour in each 12-hour period of operation. These applications typically operate at full power only 15 percent of the time, and accumulate up to 800 hours per year.

**M5:** For propulsion applications that utilize full power up to 30 minutes in each 6-hour period of operation. These applications typically operate at full power only 8 percent of the time, and accumulate up to 300 hours per year.

*“John Deere had the best package in the 100-kW range. Fuel efficiency has been great.”*

-Bob Bekoff, Canal Boats, Florida

Model	4045TFM85	4045AFM85	6068AFM85	6068SFM85
Fuel System (E,M)	E	E	E	E
EPA Tier	3	3	3	3
<b>Rated Power</b>				
M1		119 kW (160hp) @2300	172 kW (230 hp) @ 2300	186 kW (249 hp) @ 2400
M2		134 kW (180hp) @2500	198 kW (265 hp) @ 2400	209 kW (280 hp) @ 2500
M3	---	149 kW (200hp) @2500	224 kW (300 hp) @ 2500	239 kW (321 hp) @ 2600
M4	---	168 kW (225hp) @2600	246 kW (330 hp) @ 2600	265 Kw (355 hp) @ 2700
M5	---	---	---	298 Kw (400 hp) @ 2800
<b>Generator Set</b>				
1500 kVA (kWe)	68 (54)	98 (78)	153 (122)	185 (148)
1800 kVA (kWe)	81 (65)	121 (99)	183 (150)	215 (172)
Model	6090AFM85	6090SFM85	6135AFM85	6135SFM85
Fuel System (E,M)	E	E	E	E
EPA Tier	3	3	3	3
<b>Rated Power</b>				
M1	213 kW (285 hp) @ 2100	242 kW (325 hp) @ 2100	272 kW (365 hp) @ 1800	317 kW (425 hp) @ 1800
M2	242 kW (325 hp) @ 2200	280 kW (375 hp) @ 2200	317 kW (425 hp) @ 1900	373 kW (500 hp) @ 1900
M3	280 kW (375 hp) @ 2300	317 kW (425 hp) @ 2300	373 kW (500 hp) @ 2000	429 kW (575 hp) @ 2000
M4	317 kW (425 hp) @ 2400	373 kW (500 hp) @ 2400	429 kW (575 hp) @ 2100	485 kW (650 hp) @ 2100
M5	---	410 kW (550 hp) @ 2500	---	559 kW (750 hp) @ 2200
<b>Generator Set</b>				
1500 kVA (kWe)	214 (171)	185 (148)	305 (244)	368 (294)
1800 kVA (kWe)	244 (200)	305 (244)	366 (300)	458 (366)

DFM = Naturally Aspirated TFM = Turbocharged AFM = Jacketwater Aftercooled SFM = Seawater Aftercooled

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