Marine Applications







CONNECTION.

IT'S WHERE THE REAL POWER LIVES.

Explore the latest ways people are integrating John Deere power solutions. JohnDeere.com/PowerConnect

Nothing Runs Like A Deere[™]

John Deere PowerTech[™] engines are as powerful and dependable in the water as they are on the land. Our marine propulsion, generator, and auxiliary engines share the same reputation for performance and reliability that their agricultural and industrial counterparts have enjoyed for decades. They are built for long life, reliable performance, fuel efficiency, quiet operation, ease of access to major parts, and simplified integration. But don't just take our word for it. Find out why John Deere is the powerful and reliable choice.

Engine identification Model designation key

6135 SFM	85	
	Emissions 50 70, 85 Engine type	Non-emissions regulated Emissions regulated
	— M	Marine
	User type F	OEM (John Deere Power Systems)
	Air intake syst	tem
	D T A S	Naturally aspirated Turbocharged Turbocharged and aftercooled, air-to-engine coola Turbocharged and aftercooled, air-to-seawater*
	Ĥ	Turbocharged and aftercooled, air-to-air
111 11 11 11 11 11 11	Displacement	5
	135	13.5 liters
	090	9.0 liters
	068	6.8 liters
	045	4.5 liters
	- Number of cy	linders

A John Deere marine engine model designated as 6135SFM85 is a 6-cylinder, 13.5-liter turbocharged and aftercooled, air-to-seawater engine that is emissions regulated.

*S engines can be modified to be turbocharged and aftercooled, air-to-engine coolant, in dual-circuit keel-cooled applications. Contact your John Deere engine distributor.

Meeting regulations around the world

John Deere marine engines comply with international, European, and United States emissions standards for regulated vessels.

- Environmental Protection Agency (EPA) Marine Tier 3 regulations for vessels flagged in the United States
- European Union (EU) Stage V requirements for select generator drive ratings on inland waterway applications
- EU Nonroad Mobile Machinery (NRMM 97/68/EC as amended), whose standards are also recognized by the Central Commission for Navigation of the Rhine (CCNR)
- EU Recreational Craft Directive II (RCD 2)
- International Maritime Organization (IMO) Tier 2
- Engine International Air Pollution Prevention (EIAPP) certificates issued by the EPA or American Bureau of Shipping (ABS) are available for select engine models
- China Stage II marine emissions standards for select generator drive ratings on vessels that are registered in China and operate in Chinese territorial waters

Visit your John Deere marine dealer or engine distributor for details. Go to DealerLocator.Deere.com to find the location nearest you.

Engines for non-regulated territories

In addition to the engines for various emissions regulations mentioned, John Deere offers engines for the non-regulated regions throughout the world.

Marine classification societies

John Deere provides a full line of marine engines designed to meet the requirements of the various marine classification societies.



Propulsion engines — more power in the water

Marine propulsion M and H ratings

Ratings are based on the ISO 8665/SAE J1225 standard power rating and the ISO 3046/SAE J1995 crankshaft power rating. The M and H rating definitions are provided as a guide to help in the selection of the engine that best fits the application requirements. It is recommended to consult a John Deere marine dealer or engine distributor to verify the optimal rating for the specific application.

M1	The M1 rating is for marine propulsion applications that may operate up to 24 hours per day at uninterrupted full power and have load factors* greater than 65 percent.	Possible applications: Line haul tugs and towboats, fish and shrimp trawlers/draggers, and displacement hull fishing boats.
M2	The M2 rating is for marine propulsion applications that typically operate 3,000 – 5,000 hours per year and have load factors* up to 65 percent. This rating is for applications that are in continuous use and use full power for no more than 16 hours of each 24 hours of operation. The remaining time of operation is at or below cruising [†] speed.	Possible applications: Short-range tugs and towboats, long-range ferryboats, large passenger vessels, and offshore displacement hull fishing boats.
M3	The M3 rating is for marine propulsion applications that typically operate 2,000 – 4,000 hours per year and have load factors* up to 50 percent. This rating is for applications that use full power for no more than 4 hours out of each 12 hours of operation. The remaining time of operation is at or below cruising [†] speed.	Possible applications: Coastal fishing boats, offshore crew boats, research boats, short-range ferryboats, and dinner cruise boats.
M4	The M4 rating is for marine propulsion applications that typically operate 1,000 – 3,000 hours per year and have load factors* below 40 percent. This rating is for applications that use full power no more than one hour out of each 12 hours of operation. The remaining time of operation is at or below cruising [†] speed.	Possible applications: Inshore crew boats, charter fishing boats, pilot boats, dive boats, and planing hull commercial fishing boats.
M5	The M5 rating is for marine recreational propulsion and certification for light-duty commercial Tier 3 applications that typically operate up to 1,000 hours per year and have load factors* below 35 percent. This rating is for applications that use full power for no more than 30 minutes out of each eight hours. The remaining time of operation is at or below cruising [†] speed.	Possible applications: Recreational boats, tactical military vessels, and rescue boats.
Н	The H rating is for hybrid vessels that require a variable-speed generator drive engine to develop electrical power for any combination of electric propulsion, energy storage, hotel load, and auxiliary electric loads. The engine is designed for load factors up to 70 percent.	Possible applications: Recreational and commercial vessels.

*Load factor is the actual fuel burned over a period of time divided by the full-power fuel consumption for the same period of time. For example, if an engine burns 160 liters of fuel during an eight-hour run, and the full-power fuel consumption is 60 liters per hour, the load factor is 160 liters / (60 liters per hour x 8 hours) = 33.3 percent. ¹Cruising is any operating time where the engine speed is at least 200 rpm less than the maximum attainable engine speed.

Propulsion power ratings - IMO exempt and non-certified engines

Engine	Power rating	I																									
4045DFM70	60 kW (80 hp)																										
4045TFM50	90 – 112 kW (120 – 15	50 hp)																									
6068TFM50	115 – 168 kW (154 – 2	25 hp)																									
	o change. Please contact	kW	0	25	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450	475	500	525	550	575	600
your John Deere man distributor for detail		hp	0	34	67	101	134	168	201	235	268	302	335	369	402	436	469	503	536	570	603	637	670	704	738	771	805

Propulsion power ratings - IMO and EPA compliant engines

Engine	Power ratin	g																								
4045TFM85	75 – 93 kW (100 – 1	125 hp)																								
4045AFM85	119 – 168 kW (160 –	225 hp)																								
4045SFM85	205 – 235 kW (275 –	· 315 hp)																								
6068AFM85	172 – 246 kW (230 –	330 hp)																								
6068SFM85	186 – 298 kW (249 –	400 hp)																								
6090AFM85	213 – 317 kW (285 –	425 hp)																								
6090SFM85	242 – 410 kW (325 –	550 hp)																								
6135AFM85	272 – 429 kW (365 –	575 hp)																								
6135SFM85	317 – 559 kW (425 –	750 hp)																								
	o change. Please contact	kW	0	25	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450	475	500	525 5	50 5	75 60
your John Deere man distributor for detail		hp	0	34	67	101	134	168	201	235	268	302	335	369	402	436	469	503	536	570	603	637	670	704 7	38 7	71 80

Propelled performance

John Deere engines give you an effective blend of pure power and rugged durability. From 60 to 559 kW (80 to 750 hp), our complete, high-horsepower lineup offers the right engines for your needs. The result? John Deere engines build power faster for cruising at higher speeds with lower rpm. Boost your vessel's performance in wind, swells, tides, or currents with reliable power that's ready when you are.

Engine model	E	missior	ıs	Rat pov	ted wer	Rated speed	Rated fuel consumption					
moder	IMO	EPA	RCD	kW	hp	rpm	L/hr	gal/hr				
IMO exempt an	d non-c	ertified	engines									
4045DFM70												
M2	ΕX	-	-	60	80	2500	17.5	4.6				
4045TFM50												
M2*	ΕX	-	-	90	120	2400	22.7	6.0				
M3*	ΕX	-	-	101	135	2500	26.3	6.9				
M4	ΕX	-	-	112	150	2600	29.7	7.8				
6068TFM50												
M1	EX	-	-	115	154	2300	29.6	7.8				
M2	-	-	-	130	175	2400	34.7	9.2				
M3	-	-	-	149	200	2500	38.8	10.3				
M4	-	-	-	168	225	2600	44.3	11.7				

EX = MARPOL Annex VI exempt *Not available in all countries.



Engine	E	missior	าร		ted ver	Rated speed		d fuel mption
model	IMO	EPA	RCD	kW	hp	rpm	L/hr	gal/h
10 and EPA c	ompliant	engines	5					
045TFM85								
M1	EX	Tier 3	RCD 2	75	100	2400	21.4	5.7
M2	EX	Tier 3	RCD 2	93	125	2500	29	8
045AFM85								
M1	Tier 2	Tier 3	RCD 2	119	160	2300	33.2	8.8
M2	Tier 2	Tier 3	RCD 2	134	180	2400	37	10
M3	Tier 2	Tier 3	RCD 2	149	200	2500	44	12
M4	Tier 2	Tier 3	RCD 2	168	225	2600	49	13
045SFM85								
M4	Tier 2	Tier 3	RCD 2	205	275	2600	54	14
M5	Tier 2	Tier 3	RCD 2	235	315	2800	62	16
068AFM85								
M1	Tier 2	Tier 3	RCD 2	172	230	2300	50.9	13.4
M2	Tier 2	Tier 3	RCD 2	198	265	2400	58.0	15.0
M3	Tier 2	Tier 3	RCD 2	224	300	2500	65.0	17.0
M4	Tier 2	Tier 3	RCD 2	246	330	2600	71.0	19.0
068SFM85	1.161.2	1101.5	NOD 2	2.0	550	2000	7.1.0	1510
M1	Tier 2	Tier 3	RCD 2	186	249	2400	51.0	13.0
M2	Tier 2	Tier 3	RCD 2	209	280	2500	57.0	15.0
M3	Tier 2	Tier 3	RCD 2	239	321	2600	63.0	17.0
M4	Tier 2	Tier 3	RCD 2	265	355	2700	69.0	18.0
M5	Tier 2	Tier 3	RCD 2	298	400	2800	81.0	21.0
090AFM85	THEFE	There	INCE 2	250	100	2000	01.0	21.0
M1	Tier 2	Tier 3	RCD 2	213	285	2100	64.6	17.1
M2	Tier 2	Tier 3	RCD 2	242	325	2200	71.0	19.0
M3	Tier 2	Tier 3	RCD 2	280	375	2300	81.0	21.0
M4	Tier 2	Tier 3	RCD 2	317	425	2400	91.0	24.0
090SFM85	Hel Z		I NCD 2	11	423	2400	51.0	24.0
M1	Tier 2	Tier 3	RCD 2	242	325	2100	65.4	17.3
M2	Tier 2	Tier 3	RCD 2	242	375	2200	78.0	21.0
M3	Tier 2	Tier 3	RCD 2	317	425	2300	87.0	23.0
M4	Tier 2	Tier 3	RCD 2	373	500	2400	107.0	28.0
M5	Tier 2	Tier 3	RCD 2	410	550	2500	116.0	31.0
H	Tier 2	Tier 3	-	242	325	2000	63.2	16.7
35AFM85	l nei Z			242	ر ےر	2000	05.2	10.7
M1	Tier 2	Tier 3	RCD 2	272	365	1800	76.7	20.3
M2	Tier 2	Tier 3	RCD 2	317	425	1900	86.0	20.5
M3	Tier 2	Tier 3	RCD 2	373	500	2000	102.0	25.0
M4	Tier 2	Tier 3	RCD 2	429	575	2100	102.0	31.0
35SFM85	L Hei Z			429	درر	2100	119.0	0.10
M]	Tier 2	Tier 3	RCD 2	317	425	1800	79.5	21.0
M2	Tier 2	Tier 3	RCD 2	373	500	1900	94.0	25.0
M3	Tier 2	Tier 3	RCD 2	429	575	2000	111.0	29.0
M4	Tier 2	Tier 3	RCD 2	429	650	2000	124.0	33.0
IVI4	l ner Z	l ner 3	κυΖ	405	טכס ן	2100	124.0	0.دد ا

EX = MARPOL Annex VI exempt

Specifications are subject to change.







Generator drive and constant-speed auxiliary engines — the strong silent type

Power that never lets you down

John Deere is a trusted provider of generator drive engines worldwide. For reliable power from 40 to 416 kW (54 to 558 hp), John Deere generator drive and constant-speed auxiliary engines deliver quiet operation and low vibration. The water-cooled exhaust manifolds provide cool, quiet performance. And all 4-cylinder models have internal balance shafts to reduce vibration.

Marine generator drive engine ratings

The marine generator engine rating is the power available under normal varying electrical load factors* for an unlimited number of hours per year in commercial applications. This rating incorporates a 10 percent overload capability, and conforms to ISO 8528 prime power. Average load over a 24-hour period shall not exceed 67 percent of the prime rating, of which no more than two hours are between 100 percent and 110 percent of the prime rating.

This rating is used for applications that require constant speed in auxiliary applications.

*Load factor is the actual fuel burned over a period of time divided by the full-power fuel consumption for the same period of time. For example, if an engine burns 160 liters of fuel during an eight-hour run, and the full-power fuel consumption is 60 liters per hour, the load factor is 160 liters / (60 liters per hour x 8 hours) = 33.3 percent.

Meeting regulations in Europe and Asia

Select generator drive engine ratings meet European Union (EU) Stage V requirements for inland waterway applications and China Stage II marine emissions standards for vessels that are registered in China and operate in Chinese territorial waters.

S00 rpm/50 Hz M0 verified engines 4045DFM70 EX - 40 54 45 4045DFM70 EX - 57 76 64 6068AFM850 EX - 57 76 64 6068AFM850 EX - 89 119 102 6068AFM85* EX - 117 157 133 MO and EPA compliant engines - 117 157 133 4045TFM85** EX Tier3 61 82 69 4045AFM85** EX Tier3 129 173 146 6068AFM85' Tier2 - 139 187 160 6068AFM85 Tier2 - 195 261 219 6090AFM85 Tier2 - 222 297 250 6135AFM85 Tier2 - 334 447 375 800 rpm/60 Hz MO exempt and non-certified engines - 71 95 <th></th>									
IMO EPA kW hp kVA 500 rpm/50 Hz	Prime power ratings								
MO exempt and non-certified engines 4045DFM70 EX - 40 54 45 4045DFM70 EX - 57 76 64 6068TFM50 EX - 57 76 64 6068AFM85* EX - 89 119 102 6068AFM85* EX - 117 157 133 MO and EPA compliant engines - - 117 157 133 4045TFM85** EX Tier3 61 82 69 4045AFM85** EX Tier3 129 173 146 6068AFM85' Tier2 - 139 187 160 6068AFM85' Tier2 - 195 261 219 6090AFM85 Tier2 - 222 297 250 6135AFM85 Tier2 - 278 373 313 6135AFM85 Tier2 - 334 447 375	kWe								
4045DFM70 EX - 40 54 45 4045TFM50 EX - 57 76 64 6068TFM50 EX - 89 119 102 6068AFM85* EX - 117 157 133 MOand EPA compliant engines - - 117 157 133 4045TFM85** EX Tier3 61 82 69 4045AFM85** EX Tier3 89 120 102 6068AFM85* EX Tier3 129 173 146 6068AFM85* Tier2 - 139 187 160 6068AFM85 Tier2 - 195 261 219 6090AFM85 Tier2 - 222 297 250 6135AFM85 Tier2 - 234 447 375 800 rpm/60 Hz - 466 62 50 4045DFM70 EX - 71									
4045TFM50 EX - 57 76 64 6068TFM50 EX - 89 119 102 6068AFM85* EX - 117 157 133 4045TFM85** EX - 117 157 133 4045TFM85** EX Tier 3 61 82 69 4045AFM85** EX Tier 3 89 120 102 6068AFM85* EX Tier 3 129 173 146 6068AFM85* Tier 2 - 139 187 160 6068AFM85 Tier 2 - 139 187 160 6068SFM85 Tier 2 - 139 187 160 6068SFM85 Tier 2 - 222 297 250 6135AFM85 Tier 2 - 234 447 375 800 rpm/60 Hz - 404 SDFM70 EX - 46 62 50 4045TFM50									
6068TFM50 EX - 89 119 102 6068AFM85* EX - 117 157 133 MO and EPA compliant engines - 117 157 133 4045TFM85** EX Tier 3 61 82 69 4045AFM85** EX Tier 3 89 120 102 6068AFM85* EX Tier 3 129 173 146 6068AFM85* Tier 2 - 139 187 160 6068AFM85 Tier 2 - 195 261 219 6090AFM85 Tier 2 - 222 297 250 6135AFM85 Tier 2 - 2334 447 375 800 pm/60 Hz HO exem	36								
6068AFM85* EX - 117 157 133 MO and EPA compliant engines 4045TFM85*1 EX Tier 3 61 82 69 4045TFM85*1 EX Tier 3 89 120 102 6068AFM85' EX Tier 3 89 120 102 6068AFM85' EX Tier 3 129 173 146 6068AFM85' Tier 2 - 139 187 160 6068AFM85' Tier 2 - 195 261 219 6090SFM85 Tier 2 - 222 297 250 6135AFM85 Tier 2 - 234 447 375 800 pm/60 Hz - 4045DFM70 EX - 46 62 50 4045DFM70 EX - 46 62 50 - 4045DFM70 EX - 115 154 124 - MO exempt and non-certified engines - -	51								
MO and EPA compliant engines Tier 3 61 82 69 4045TFM85*1 EX Tier 3 61 82 69 4045AFM85*1 EX Tier 3 89 120 102 6068AFM851 EX Tier 3 129 173 146 6068AFM851 EX Tier 2 - 139 187 160 6068SFM85 Tier 2 - 139 187 160 6068SFM85 Tier 2 - 195 261 219 6090AFM85 Tier 2 - 222 297 250 6135AFM85 Tier 2 - 278 373 313 6135SFM85 Tier 2 - 278 373 313 6135AFM85 Tier 2 - 334 447 375 800 rpm/60 Hz - 4045DFM70 EX - 71 95 80 6068TFM50 EX - 115 154 124 <tr< td=""><td>82</td></tr<>	82								
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	106								
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$									
6068AFM85' EX Tier 3 129 173 146 6068AFM85' Tier 2 - 139 187 160 6068AFM85' Tier 2 - 139 187 160 6068SFM85 Tier 2 - 168 226 188 6090AFM85 Tier 2 - 222 297 250 6135AFM85 Tier 2 - 278 373 313 6135SFM85 Tier 2 - 334 447 375 800 rpm/60 Hz - 334 447 375 800 rpm/60 Hz - - 71 95 80 6068TFM50 EX - 71 95 80 6068TFM50 EX - 115 154 124 MO and EPA compliant engines - 4045TF285 Tier 2 Tier 3 71 95 74 4045TF285 Tier 2 Tier 3 110 148 124 4045AF	55								
GO68AFM85' Tier 2 - 139 187 160 GO68AFM85' Tier 2 - 168 226 188 GO90AFM85 Tier 2 - 168 226 188 GO90AFM85 Tier 2 - 195 261 219 GO90AFM85 Tier 2 - 222 297 250 G135AFM85 Tier 2 - 278 373 313 G135SFM85 Tier 2 - 334 447 375 800 rpm/60 Hz - - 334 447 375 800 rpm/60 Hz - - 71 95 80 4045DFM70 EX - 46 62 50 4045TFM50 EX - 115 154 124 MO and EPA compliant engines - - 115 154 124 4045TF285 Tier 2 Tier 3 71 95 74 4045AFM85 Tier 2	82								
GOBORTMOS Tier 2 - 168 226 188 GOBASTM85 Tier 2 - 195 261 219 GOBASTM85 Tier 2 - 195 261 219 GOBASTM85 Tier 2 - 222 297 250 G13SAFM85 Tier 2 - 278 373 313 G13SSFM85 Tier 2 - 334 447 375 BOO rpm/60 Hz - - 334 447 375 BOO rpm/60 Hz - - 71 95 80 GO68TFM50 EX - 71 95 80 GO668TFM50 EX - 115 154 124 MO and EPA compliant engines - 4045TFM85 EX Tier 3 74 99 81 4045TFM85 EX Tier 3 71 95 74 4045AFM85 Tier 2 Tier 3 110 148 124	117								
6090AFM85 Tier 2 - 195 261 219 6090SFM85 Tier 2 - 222 297 250 6135AFM85 Tier 2 - 278 373 313 6135SFM85 Tier 2 - 334 447 375 800 rpm/60 Hz - - 334 447 375 800 rpm/60 Hz - - 334 447 375 800 rpm/60 Hz - - 466 62 50 4045DFM70 EX - 466 62 50 4045TFM50 EX - 115 154 124 MO and EPA compliant engines - - 115 154 124 4045TFM85 EX Tier 3 71 95 74 4045TF285 Tier 2 Tier 3 110 148 124 4045TF285 Tier 2 Tier 3 117 157 123 6068AFM85 EX	125								
6090SFM85 Tier 2 - 222 297 250 6135AFM85 Tier 2 - 278 373 313 6135SFM85 Tier 2 - 334 447 375 800 rpm/60 Hz - 334 447 375 800 rpm/60 Hz - - 334 447 375 800 rpm/60 Hz - - 466 62 50 4045DFM70 EX - 466 62 50 4045DFM70 EX - 71 95 80 6068TFM50 EX - 115 154 124 MO and EPA compliant engines - - 115 154 124 4045TF285 Tier 2 Tier 3 71 95 74 4045AFM85 Tier 2 Tier 3 110 148 124 4045AFH285 Tier 2 Tier 3 117 157 123 6068AFM85 EX Tier 3	150								
6135AFM85 Tier 2 - 278 373 313 6135SFM85 Tier 2 - 334 447 375 800 rpm/60 Hz - 334 447 375 MO exempt and non-certified engines - 466 62 50 4045DFM70 EX - 466 62 50 4045DFM70 EX - 71 95 80 6068TFM50 EX - 71 95 80 6068TFM50 EX - 115 154 124 MO and EPA compliant engines - 4045TF285 Tier 2 Tier 3 71 95 74 4045TF285 Tier 2 Tier 3 71 95 74 99 81 4045TF285 Tier 2 Tier 3 110 148 124 4045AFM85 Tier 2 Tier 3 117 157 123 6068AFM85 EX Tier 3 129 173 146	175								
61355FM85 Tier 2 - 334 447 375 800 rpm/60 Hz MO exempt and non-certified engines 4045DFM70 EX - 46 62 50 4045DFM70 EX - 46 62 50 4045DFM70 EX - 71 95 80 6068TFM50 EX - 115 154 124 MO and EPA compliant engines - 4045TFM85 EX Tier 3 71 95 74 4045TF285 Tier 2 Tier 3 71 95 74 4045TF285 Tier 2 Tier 3 110 148 124 4045HF285 Tier 2 Tier 3 110 148 124 4045HF285 Tier 2 Tier 3 129 173 146 6068AFM85 Tier 2 Tier 3 166 223 188 6068SFM85 Tier 2 Tier 3 195 262 218	200								
800 rpm/60 Hz MO exempt and non-certified engines 4045DFM70 EX - 46 62 50 4045DFM70 EX - 71 95 80 6068TFM50 EX - 71 95 80 6068TFM50 EX - 115 154 124 MO and EPA compliant engines 4045TFM85 EX Tier 3 74 99 81 4045TF285 Tier 2 Tier 3 71 95 74 4045AFM85 Tier 2 Tier 3 110 148 124 4045AFK85 Tier 2 Tier 3 117 157 123 6068AFM85 EX Tier 3 129 173 146 6068AFM85 Tier 2 Tier 3 166 223 188 6068SFM85 Tier 2 Tier 3 195 262 218	250								
MO exempt and non-certified engines 4045DFM70 EX - 46 62 50 4045DFM70 EX - 71 95 80 6068TFM50 EX - 71 95 80 6068TFM50 EX - 115 154 124 MO and EPA compliant engines - - 74 99 81 4045TFM85 EX Tier 3 74 99 81 4045TF285 Tier 2 Tier 3 71 95 74 4045AFM85 Tier 2 Tier 3 110 148 124 4045HF285 Tier 2 Tier 3 117 157 123 6068AFM85 EX Tier 3 129 173 146 6068AFM85 Tier 2 Tier 3 166 223 188 6068SFM85 Tier 2 Tier 3 195 262 218	300								
4045DFM70 EX - 46 62 50 4045TFM50 EX - 71 95 80 6068TFM50 EX - 115 154 124 MO and EPA compliant engines - 115 154 124 4045TFM85 EX Tier 3 74 99 81 4045TF285 Tier 2 Tier 3 71 95 74 4045AFM85 Tier 2 Tier 3 110 148 124 4045AFM85 Tier 2 Tier 3 117 157 123 6068AFM85 EX Tier 3 129 173 146 6068AFM85 Tier 2 Tier 3 166 223 188 6068SFM85 Tier 2 Tier 3 195 262 218									
4045TFM50 EX - 71 95 80 6068TFM50 EX - 115 154 124 MO and EPA compliant engines - 115 154 124 4045TFM85 EX Tier 3 74 99 81 4045TF285 Tier 2 Tier 3 71 95 74 4045AFM85 Tier 2 Tier 3 110 148 124 4045AFM85 Tier 2 Tier 3 117 157 123 6068AFM85 EX Tier 3 129 173 146 6068AFM85 Tier 2 Tier 3 166 223 188 6068SFM85 Tier 2 Tier 3 195 262 218									
6068TFM50 EX - 115 154 124 MO and EPA compliant engines - 115 154 124 4045TFM85 EX Tier 3 74 99 81 4045TF285 Tier 2 Tier 3 71 95 74 4045AFM85 Tier 2 Tier 3 110 148 124 4045AFM85 Tier 2 Tier 3 117 157 123 6068AFM85 EX Tier 3 129 173 146 6068AFM85 Tier 2 Tier 3 166 223 188 6068SFM85 Tier 2 Tier 3 195 262 218	40								
MO and EPA compliant engines Tier 3 74 99 81 4045TFM85 EX Tier 3 71 95 74 4045TF285 Tier 2 Tier 3 110 148 124 4045AFM85 Tier 2 Tier 3 110 148 124 4045HF285 Tier 2 Tier 3 117 157 123 6068AFM85 EX Tier 3 129 173 146 6068AFM85 Tier 2 Tier 3 166 223 188 6068SFM85 Tier 2 Tier 3 195 262 218	64								
4045TFM85 EX Tier 3 74 99 81 4045TF285 Tier 2 Tier 3 71 95 74 4045AFM85 Tier 2 Tier 3 110 148 124 4045AFM85 Tier 2 Tier 3 117 157 123 6068AFM85 EX Tier 3 129 173 146 6068AFM85 Tier 2 Tier 3 166 223 188 6068SFM85 Tier 2 Tier 3 195 262 218	99								
4045TF285 Tier 2 Tier 3 71 95 74 4045AFM85 Tier 2 Tier 3 110 148 124 4045AFM85 Tier 2 Tier 3 110 148 124 4045HF285 Tier 2 Tier 3 117 157 123 6068AFM85 EX Tier 3 129 173 146 6068AFM85 Tier 2 Tier 3 166 223 188 6068SFM85 Tier 2 Tier 3 195 262 218									
4045AFM85 Tier 2 Tier 3 110 148 124 4045AFM85 Tier 2 Tier 3 117 157 123 6068AFM85 EX Tier 3 129 173 146 6068AFM85 Tier 2 Tier 3 166 223 188 6068SFM85 Tier 2 Tier 3 195 262 218	65								
4045HF285 Tier 2 Tier 3 117 157 123 6068AFM85 EX Tier 3 129 173 146 6068AFM85 Tier 2 Tier 3 166 223 188 6068SFM85 Tier 2 Tier 3 195 262 218	60								
6068AFM85 EX Tier 3 129 173 146 6068AFM85 Tier 2 Tier 3 166 223 188 6068SFM85 Tier 2 Tier 3 195 262 218	99								
6068AFM85 Tier 2 Tier 3 166 223 188 6068SFM85 Tier 2 Tier 3 195 262 218	99								
6068SFM85 Tier 2 Tier 3 195 262 218	117								
	150								
	175								
6090AFM85 Tier 2 Tier 3 222 297 250	200								
6090HFM85 - Tier 3 238 319 249	200								
6090SFM85 Tier 2 Tier 3 278 373 313	250								
6135AFM85 Tier 2 Tier 3 334 447 375	300								
6135HFM85 - Tier 3 416 558 436	350								
6135SFM85 Tier 2 Tier 3 416 558 469	375								

EX = MARPOL Annex VI exempt Specifications are subject to change. *Meets Marine EU Stage V. ¹Meets China Stage II.

Variable-speed auxiliary engines — ready when you are

We've got you covered

John Deere provides a full line of reliable and fuel-efficient variable-speed auxiliary engines to help you meet U.S. Environmental Protection Agency Marine Tier 3 emissions regulations* and marine classification societies. See your John Deere marine dealer or engine distributor for complete specifications. Log on to **DealerLocator.Deere.com** to find the service dealer nearest you.

Dry-exhaust or wet-exhaust manifolds

John Deere PowerTech[™] radiator-cooled, dry-exhaust manifold engines (TF and HF models) are engineered to run vessel auxiliaries such as pumps, winches, deck cranes, and hydraulics. With displacements from 4.5 to 13.5 liters and power ratings from 74 to 448 kW (99 to 600 hp), meeting EPA Marine Tier 3 requirements has never been easier.

John Deere PowerTech radiator-cooled, wet-exhaust manifold marine engines (HFM models) are rated to provide dependable auxiliary power for oceangoing vessels and other applications that require type approval for marine classification societies. With power ratings from 242 to 373 kW (325 to 500 hp), these engines are ready to work.

Engine model	Emis	sions	Rated	power	Rated speed		
model	IMO	EPA	kW	hp	rpm		
IMO and EPA c	ompliant en	gines					
4045TF285	Tier 2	Tier 3	74	99	2200		
6068HF485	Tier 2	Tier 3	187	251	2200		
6090HFM85	-	Tier 3	242	325	2000		
6090HF485	Tier 2	Tier 3	280	375	2200		
6135HFM85	-	Tier 3	373	500	2000		
6135HF485	Tier 2	Tier 3	448	600	2100		





*Not available in all countries. Specifications are subject to change

Parts and accessories



- quickly and easily
- rebuilding easy

easy installation and seamless operation. This complete

- temperature, and hour meter gauges



A lifetime of support

You can rely on us

With installation assistance, standard and extended warranties, and an extensive worldwide parts and service network, John Deere provides ongoing support for the life of your engine.

Easy to install

- Compact design for easy installation
- Front PTO with electronic clutch to drive pumps and accessories
- SAE flywheel and housing options
- Wet- or dry-exhaust elbows
- Keel-cooled or heat exchanger configurations

Warranty support when you need it

Every John Deere marine engine comes with a solid 2-year/2,000-hour standard warranty. Register your engine and enable your John Deere dealer to respond should you need a warrantable repair.* Registering your engine gives us the information needed to stock the right service parts, maintenance products, and servicing tools. Register the warranty for your engine at JohnDeere.com/OEMWarranty.

Extend your protection

Avoid unexpected repair costs with the protection of a John Deere marine engine extended warranty plan — up to 5 years or 3,000 hours for marine engines with less than an M5 power rating. No preapproval of warrantable failure claims is necessary. Simply call or visit any authorized John Deere dealership for fast, reliable service. Our extended warranty plans protect the engine as well as any components and accessories installed by John Deere and our engine distributors.

I NEED THE RIGHT PARTS. AT THE RIGHT PRICE. RIGHT NOW.

Whether you've got a brand new John Deere engine, one that's been working for years, or a mixed fleet — John Deere is ready to keep you up and running. You can rely on us for your choice of genuine John Deere parts, remanufactured components, and all-makes products. Find your closest John Deere engine distributor or dealer at **DealerLocator.Deere.com**. Ask them about the parts you need, or visit **PartsCatalog.Deere.com**.

JOHN DEERE



John Deere PowerAssist[™] app

Retrieve serial-specific information for your John Deere engine. Just scan or enter your John Deere engine serial number to access option codes, manuals, part numbers, ECU information, and much more. Download this free app today!

Don't have a mobile device? Go to **JohnDeere.com/EngineSupport** and sign in to the engine information search online product database.

*See specific OEM product warranty language for applicable terms and conditions. Refer to the John Deere new marine engine warranty for complete warranty coverage details.



Worldwide locations

North America, South America, and Caribbean

John Deere Power Systems 3801 West Ridgeway Avenue P.O. Box 5100 Waterloo, IA 50704-5100 Phone: 800-533-6446 (U.S.) Phone: 319-292-6060 (Outside the U.S.) Fax: 319-292-5075 Email: JDPower@JohnDeere.com

Mexico and Central America

Industrias John Deere S.A. de C.V. Boulevard Diaz Ordaz No. 500 Garza Garcia, Nuevo Leon 66210 Mexico Phone: +52-81-8288-1212 Fax: +52-81-8288-8284 Email: MexWeb@JohnDeere.com

Europe, Africa, Middle East, Australia, and New Zealand

John Deere Power Systems Orléans-Saran Unit 1, rue John Deere – B.P. 11013 45401 Fleury-les-Aubrais Cedex France Phone: +33-2-38-82-61-19 Fax: +33-2-38-84-62-66 Email: JDMarineEngine@JohnDeere.com

Asia

John Deere Asia (Singapore) Pte. Ltd. #06-02/03 Alexandra Point 438 Alexandra Road 119958 Singapore Phone: +65-6879-8800 Fax: +65-6278-0363 Email: JDAsiaEngines@JohnDeere.com







The Power Behind The Brands Specifications and/or prices are subject to change without notice. Every effort is made to produce sales literature and price lists that are accurate and current.

John Deere - Supported by Barrus



E. P. Barrus Ltd., Glen Way, Launton Road, Bicester, Oxfordshire, OX26 4UR Tel: 01869 363687 www.barrus.co.uk jamie.mcnicol@barrus.co.uk