

## California Air Resources Board (CARB) Listing of Certified Tier 4 Marine Engines and Marinized Tier 4 Final Non-Road Engines

*This list reflects information compiled by CARB staff to provide commercial harbor craft owners/operators a list of Certified Tier 4 Marine Engines and Marinized Tier 4 Final Non-Road Engines. It does not constitute an endorsement of the listed engines and is intended as a resource only. This list is regularly updated by CARB staff. Manufacturers with Tier 4 engines not listed may contact [HarborCraft@arb.ca.gov](mailto:HarborCraft@arb.ca.gov) to request being added.*

**Table 1.** EPA Certified Tier 4 Marine Engines<sup>1</sup>

Manufacturer and U.S. EPA Engine Family Name (EFN)	Model	U.S. EPA Engine Category	Power Rating (kW)	Engine Weight (kg) (Dry)	Engine Specifications Links	Date Added to List <sup>2</sup>
Yanmar NYDXN20.4E6S	6AYE M-GT WS	1	670-74 9	2,418 (engine only)	<a href="#">Specifications Sheet</a>	10/11/2023
Mitsubishi PMVXN49.0DCA	S12-R	1	940	5,350 (engine only)	<a href="#">Specifications Sheet</a> <b>*Note:</b> only the S12-R is Tier 4*	10/11/2023
Cummins RCEXN38.0AAC	QSK38	1	746-1,1 19	5,270	<a href="#">Specifications Sheet</a>	10/11/2023
Cummins RCEXN60.0AAC	QSK60	1	1,491-2 ,013	10,154	<a href="#">Specifications Sheet</a>	10/11/2023
Caterpillar RCPXN78.1AT4	3512E	1	1,000-1 ,901	8,193	<a href="#">Specifications Sheet</a>	10/11/2023
Caterpillar RCPXN78.1AT4	3516E	1	1,865-2 ,525	9,620	<a href="#">Specifications Sheet</a>	10/11/2023

<sup>1</sup> [Annual Certification Data for Vehicles, Engines, and Equipment | US EPA](#)

<sup>2</sup> 2/15/24 Edit - added a column for the date each engine was added to this list of tier 4 engines.

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<b>Manufacturer and U.S. EPA Engine Family Name (EFN)</b>	<b>Model</b>	<b>U.S. EPA Engine Category</b>	<b>Power Rating (kW)</b>	<b>Engine Weight (kg) (Dry)</b>	<b>Engine Specifications Links</b>	<b>Date Added to List<sup>2</sup></b>
Caterpillar RCPXN32.1EP4	C32	1	746-10 81	3,248	<a href="#">Specifications Sheet</a>	10/11/2023
Caterpillar RCPXN296.EA4	C280- 8	2	2,460-2 530	19,000	<a href="#">Specifications Sheet</a>	10/11/2023
Caterpillar RCPXN296.EA4	C280- 12	2	3,700-4 ,060	26,035	<a href="#">Specifications Sheet</a>	10/11/2023
MTU RMDDN76.3MTS	12V-4 000M0 5	1	1,119-1 ,932	8,000 (engine only)	<a href="#">Specifications Sheet</a>	10/11/2023
MTU RMDDN76.3MTS	16V-4 000M0 5	1	1,840-2 ,576	9,300 (engine only)	<a href="#">Specifications Sheet</a>	10/11/2023
MTU RMDDN76.3MTS	20V-4 000M0 5	1	2,300-3 ,220	11,600 (engine only)	<a href="#">Specifications Sheet</a>	10/11/2023
MAN Diesel With Original Equipment manufacturer (OEM) SCR RMNBN24.2CO4	D2862 Series LE428	1	749	2,270	<a href="#">Specifications Sheet</a>	10/11/2023

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<b>Manufacturer and U.S. EPA Engine Family Name (EFN)</b>	<b>Model</b>	<b>U.S. EPA Engine Category</b>	<b>Power Rating (kW)</b>	<b>Engine Weight (kg) (Dry)</b>	<b>Engine Specifications Links</b>	<b>Date Added to List<sup>2</sup></b>
MAN Diesel With OEM SCR RMNBN24.2CO4	D2862 Series LE438	1	882	2,270	<a href="#">Specification Sheet</a>	06/27/2024
MAN Diesel With OEM SCR RMNBN24.2CO4	D2862 Series LE469	1	974	2,270 (dry engine)	<a href="#">Specification Sheet</a>	06/27/2024
MAN Diesel With OEM SCR RMNBN24.2CO4	D2862 Series LE489	1	1066	2,420 (dry engine)	<a href="#">Specification Sheet</a>	06/27/2024
MAN Diesel With OEM DOC/DPF/SCR RMNBN24.2CO5	D2862 Series Model LE44A	1	735	2270 (dry engine)	<a href="#">Contact MAN</a>	07/30/2024
MAN Diesel With OEM DOC/DPF/SCR RMNBN24.2CO5	D2862 Series Model LE43B	1	882	2270 (dry engine)	<a href="#">Contact MAN</a>	07/30/2024
MAN Diesel With OEM DOC/DPF/SCR	D2862 Series Model LE48B	1	1066	2420 (dry engine)	<a href="#">Contact MAN</a>	07/30/2024

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<b>Manufacturer and U.S. EPA Engine Family Name (EFN)</b>	<b>Model</b>	<b>U.S. EPA Engine Category</b>	<b>Power Rating (kW)</b>	<b>Engine Weight (kg) (Dry)</b>	<b>Engine Specifications Links</b>	<b>Date Added to List<sup>2</sup></b>
RMNBN24.2CO5						
Baudouin KMRBN26.4COM	6M-26.3	1	441-599	2,185	<a href="#">Specifications Sheet</a>	10/11/2023
Baudouin KMRBN26.4COM	12M-26.3	1	883-1214	3,615	<a href="#">Specifications Sheet</a>	10/11/2023
GE Wabtec RGETN15.7FBC	6L250MDC	2	1,700-1,900	19,944	<a href="#">Specifications Sheet</a>	10/11/2023
GE Wabtec RGETN15.7FBC	8L250MDC	2	2,250-2,500	23,356	<a href="#">Specifications Sheet</a>	10/11/2023
GE Wabtec RGETN15.7FBA	12V250MDC	2	3,150-3,500	27,080	<a href="#">Specifications Sheet</a>	10/11/2023
GE Wabtec RGETN15.7FBB	16V250MDC	2	4,200-4,700	35,788	<a href="#">Specifications Sheet</a>	10/11/2023
EMD 710 Series NEMDN233.TSC	8E 23	2	1,250	14,742	<a href="#">Specifications Sheet</a>	10/11/2023
EMD 710 Series NEMDN233.TSC	12E 23	2	-	19,414	<a href="#">Specifications Sheet</a>	10/11/2023

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<b>Manufacturer and U.S. EPA Engine Family Name (EFN)</b>	<b>Model</b>	<b>U.S. EPA Engine Category</b>	<b>Power Rating (kW)</b>	<b>Engine Weight (kg) (Dry)</b>	<b>Engine Specifications Links</b>	<b>Date Added to List<sup>2</sup></b>
EMD 710 Series NEMDN233.TSC	12E 23B	2	-	23,133	<a href="#">Specifications Sheet</a>	10/11/2023
EMD 710 Series NEMDN233.TSC	16E 23	2	-	22,589	<a href="#">Specifications Sheet</a>	10/11/2023

**Table 2.** Marinized EPA Certified Tier 4 Final Non-Road Engines

<b>Manufacturer and U.S. EPA Engine Family Name (EFN)</b>	<b>Model</b>	<b>U.S. EPA Category</b>	<b>Power Range (kW)</b>	<b>Engine Weight (kg) Dry</b>	<b>Engine Specifications Links</b>	<b>Date Added to List</b>
M&H Engines NJDXL06.8309	M&H Engines M4.5 John Deere 4045	1	55-129	570	<a href="#">Specifications Sheet</a>	07/15/2024
M&H Engines NJDXL06.8309	M&H Engines M6.8 John Deere 6068	1	169-224	785	<a href="#">Specifications Sheet</a>	07/15/2024
M&H Engines KJDXL09.0308	M&H Engines M9 John Deere 6090	1	205-317	1,097	<a href="#">Specification Sheet</a>	07/15/2024