

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 maintained by CARB staff and was last updated on 8/28/2025. Manufacturers with Tier 4 engines not listed may contact HarborCraft@arb.ca.gov to request being added.

Table 1. EPA Certified Tier 4 Marine Engines¹

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 ²
Yanmar NYDXN20.4E6S	6AYE M-GT WS	1	670-749	2,418 (engine only)	Specifications Sheet	10/11/2023
Mitsubishi PMVXN49.0DCA	S12-R	1	940	5,350 (engine only)	Specifications Sheet *Note: only the S12-R is Tier 4*	10/11/2023
Cummins RCEXN38.0AAC	QSK38	1	746-1,119	5,270	Specifications Sheet	10/11/2023
Cummins RCEXN60.0AAC	QSK60	1	1,491-2,013	10,154	Specifications Sheet	10/11/2023
Caterpillar RCPXN78.1AT4	3512E	1	1,000-1,901	8,193	Specifications Sheet	10/11/2023
Caterpillar RCPXN78.1AT4	3516E	1	1,865-2,525	9,620	Specifications Sheet	10/11/2023

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

² 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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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 List²
Caterpillar RCPXN32.1EP4	C32	1	746-10 81	3,248	Specifications Sheet	10/11/2023
Caterpillar RCPXN296.EA4	C280- 8	2	2,460-2 530	19,000	Specifications Sheet	10/11/2023
Caterpillar RCPXN296.EA4	C280- 12	2	3,700-4 ,060	26,035	Specifications Sheet	10/11/2023
MTU RMDDN76.3MTS	12V-4 000M0 5	1	1,119-1 ,932	8,000 (engine only)	Specifications Sheet	10/11/2023
MTU RMDDN76.3MTS	16V-4 000M0 5	1	1,840-2 ,576	9,300 (engine only)	Specifications Sheet	10/11/2023
MTU RMDDN76.3MTS	20V-4 000M0 5	1	2,300-3 ,220	11,600 (engine only)	Specifications Sheet	10/11/2023
MAN Diesel With Original Equipment manufacturer (OEM) SCR RMNBN24.2CO4	D2862 Series LE428	1	749	2,270	Specifications Sheet	10/11/2023

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MAN Diesel With OEM SCR RMNBN24.2CO4	D2862 Series LE438	1	882	2,270	Specification Sheet	06/27/2024
MAN Diesel With OEM SCR RMNBN24.2CO4	D2862 Series LE469	1	974	2,270 (dry engine)	Specification Sheet	06/27/2024
MAN Diesel With OEM SCR RMNBN24.2CO4	D2862 Series LE489	1	1066	2,420 (dry engine)	Specification Sheet	06/27/2024
MAN Diesel With OEM DOC/DPF/SCR RMNBN24.2CO5	D2862 Series Model LE44A	1	735	2270 (dry engine)	Contact MAN	07/30/2024
MAN Diesel With OEM DOC/DPF/SCR RMNBN24.2CO5	D2862 Series Model LE43B	1	882	2270 (dry engine)	Contact MAN	07/30/2024
MAN Diesel With OEM DOC/DPF/SCR	D2862 Series Model LE48B	1	1066	2420 (dry engine)	Contact MAN	07/30/2024

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RMNBN24.2CO5						
Baudouin KMRBN26.4COM	6M-26. 3	1	441-59 9	2,185	Specifications Sheet	10/11/2023
Baudouin KMRBN26.4COM	12M-2 6.3	1	883-12 14	3,615	Specifications Sheet	10/11/2023
GE Wabtec RGETN15.7FBC	6L250 MDC	2	1,700-1 ,900	19,944	Specifications Sheet	10/11/2023
GE Wabtec RGETN15.7FBC	8L250 MDC	2	2,250-2 ,500	23,356	Specifications Sheet	10/11/2023
GE Wabtec RGETN15.7FBA	12V25 0MDC	2	3,150-3 ,500	27,080	Specifications Sheet	10/11/2023
GE Wabtec RGETN15.7FBB	16V25 0MDC	2	4,200-4 ,700	35,788	Specifications Sheet	10/11/2023
EMD 710 Series NEMDN233.TSC	8E 23	2	1,250	14,742	Specifications Sheet	10/11/2023
EMD 710 Series NEMDN233.TSC	12E 23	2	-	19,414	Specifications Sheet	10/11/2023

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EMD 710 Series NEMDN233.TSC	12E 23B	2	-	23,133	Specifications Sheet	10/11/2023
EMD 710 Series NEMDN233.TSC	16E 23	2	-	22,589	Specifications Sheet	10/11/2023

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

Manufacturer and U.S. EPA Engine Family Name (EFN)	Model	U.S. EPA Category	Power Range (kW)	Engine Weight (kg) Dry	Engine Specifications Links	Date Added to List
M&H Engines ³ NJDXL06.8309 With OEM DOC/DPF/SCR	M&H Engines M4.5 John Deere 4045	1	55-129	570	Specifications Sheet	07/15/2024
M&H Engines ³ NJDXL06.8309 With OEM DOC/DPF/SCR	M&H Engines M6.8 John Deere 6068	1	169-22 4	785	Specifications Sheet	07/15/2024
M&H Engines ³ KJDXL09.0308 With OEM DOC/DPF/SCR	M&H Engines M9 John Deere 6090	1	205-31 7	1,097	Specification Sheet	07/15/2024

³ CARB staff have received information that M&H Engine's product line may have availability limitations. Please notify CHC Program if experiencing delays.