

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 U.S. EPA-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 August 6, 2026. Manufacturers with Tier 4 Marine or marinized engines not listed may contact HarborCraft@arb.ca.gov to request being added.

Table 1. U.S EPA-Certified Tier 4 Marine Engines

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
Anglo Belgian Corporation Some models with OEM DPF/SCR SABCN0016DZC	Including 6, 8, 12, and 16-cylinder configurations	2	1032 - 4000	18,000-21,750	12/16 cyl. Specifications Sheet 6/8 cyl. Specifications Sheet	8/6/2026
Yanmar With OEM SCR NYDXN20.4E6S	6AYEM-GTWS	1	670-749	2,418 (engine only)	Specifications Sheet	10/11/2023

List of Tier 4 Marine Engines and Marinized Tier 4 Final Non-Road Engines

As of August 6, 2026

Page 2

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Mitsubishi With OEM SCR PMVXN49.0DCA	S12R Series S12R- Y4MPTAW	1	940	5,350 (engine only)	Specifications Sheet *Note: only the S12R-Y4MPTAW is Tier 4	10/11/2023
MAN With OEM SCR TMNBN29.6CO4	D3872 Series LE 435	1	1213	2,700	Specifications Sheet	8/6/2026
MAN With OEM SCR TMNBN29.6CO4	D3872 Series LE 424	1	920	2,500	Specifications Sheet	8/6/2026
MAN With OEM DOC/DPF/SCR/ ASC TMNBN29.6CO5	D3872 Series LE 427	1	920	2,500	Specifications Sheet	8/6/2026

List of Tier 4 Marine Engines and Marinized Tier 4 Final Non-Road Engines
As of August 6, 2026
Page 3

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MAN With OEM DOC/DPF/SCR/ ASC TMNBN29.6CO5	D3872 Series LE 437	1	735	2,700	Contact MAN	8/6/2026
MAN With OEM SCR TMNBN29.6CO4	D3872 Series LE 434	1	735	2,500	Contact MAN	8/6/2026
MAN With OEM SCR RMNBN24.2CO4	D2862 Series LE428	1	749	2,270	Specifications Sheet	10/11/2023
MAN With OEM SCR RMNBN24.2CO4	D2862 Series LE438	1	882	2,270	Specification Sheet	06/27/2024

List of Tier 4 Marine Engines and Marinized Tier 4 Final Non-Road Engines
As of August 6, 2026
Page 4

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

List of Tier 4 Marine Engines and Marinized Tier 4 Final Non-Road Engines

As of August 6, 2026

Page 5

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MAN With OEM DOC/DPF/SCR RMNBN24.2CO5	D2862 Series LE48B	1	1066	2,420 (dry engine)	Contact MAN	07/30/2024
Caterpillar With OEM DOC/DPF/SCRT CPXN58.6NTF	3500 Series 3512E T4 with DPF	1	1000- 1902	12,824	Specifications Sheet	8/6/2026
Caterpillar With OEM SCR RCPXN78.1AT4	3500 Series 3512E	1	1,000- 1,901	8,193	Specifications Sheet	10/11/2023
Caterpillar With OEM SCR RCPXN78.1AT4	3500 Series 3516E	1	1,865- 2,525	9,620	Specifications Sheet	10/11/2023
Caterpillar With OEM SCR RCPXN32.1EP4	C32 Series C32	1	746- 1081	3,248	C32 Marine Propulsion	10/11/2023

List of Tier 4 Marine Engines and Marinized Tier 4 Final Non-Road Engines

As of August 6, 2026

Page 6

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Caterpillar With OEM SCR RCPXN296.EA4	C280 Series C280-8	2	2,460- 2530	19,000	Specifications Sheet	10/11/2023
Caterpillar With OEM SCR RCPXN296.EA4	C280 Series C280-12	2	3,700- 4,060	26,035	Specifications Sheet	10/11/2023
Cummins With OEM SCR RCEXN38.0AAC	QSK38	1	746- 1,119	5,270	Specifications Sheet	10/11/2023
Cummins With OEM SCR RCEXN60.0AAC	QSK60	1	1,491- 2,013	10,154	Specifications Sheet	10/11/2023
MTU With OEM SCR RMDDN76.3MTS	4000 Series 20V-4000M05	1	2,300- 3,220	11,600 (engine only)	Specifications Sheet	10/11/2023

List of Tier 4 Marine Engines and Marinized Tier 4 Final Non-Road Engines
As of August 6, 2026
Page 7

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MTU With OEM SCR RMDDN76.3MTS	4000 Series 16V-4000M05	1	1,840-2,576	9,300 (engine only)	Specifications Sheet	10/11/2023
Baudouin With OEM SCR KMRBN26.4COM	26.3 Series 6M-26.3	1	441-599	2,185	Specifications Sheet	10/11/2023
Baudouin With OEM SCR KMRBN26.4COM	26.3 Series 12M-26.3	1	883-1,214	3,615	Specifications Sheet	10/11/2023
GE Wabtec¹ With OEM EGR RGETN15.7FBC	250 MDC Series 6L250MDC	2	1,700-1,900	19,944	Specifications Sheet	10/11/2023
GE Wabtec¹ With OEM EGR RGETN15.7FBC	250 MDC Series 8L250MDC	2	2,250-2,500	23,356	Specifications Sheet	10/11/2023

List of Tier 4 Marine Engines and Marinized Tier 4 Final Non-Road Engines
As of August 6, 2026
Page 8

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GE Wabtec¹ With OEM EGR RGETN15.7FBA	250 MDC Series 12V250MDC	2	3,150-3,500	27,080	Specifications Sheet	10/11/2023
GE Wabtec¹ With OEM EGR RGETN15.7FBB	250 MDC Series 16V250MDC	2	4,200-4,700	35,788	Specifications Sheet	10/11/2023
EMD With OEM SCR NEMDN233.TSC	710 Series 8E 23B	2	1,249-1,491	14,742	Specifications Sheet	10/11/2023
EMD With OEM SCR NEMDN233.TSC	710 Series 12E 23B	2	1,561-2,237	23,133	Specifications Sheet	10/11/2023
EMD With OEM SCR NEMDN233.TSC	710 Series 16E 23B	2	2,479-2,983	22,589	Specifications Sheet	10/11/2023

¹ CARB staff are aware GE Wabtec's 250 MDC Series Tier 4 marine propulsion engines are available with two different crankcase ventilation system configurations, one of which enables the engine to operate with a higher OEM-specified maximum exhaust system backpressure. Please contact GE Wabtec for engineering support when evaluating feasibility of GE Wabtec engine applications.

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 Engines² With OEM DOC/DPF/SCR NJDXL06.8309	M&H Engines M4.5 (John Deere 4045 Series)	1	55-129	570	Specifications Sheet	07/15/2024
M&H Engines² With OEM DOC/DPF/SCR NJDXL06.8309	M&H Engines M6.8 (John Deere 6068 Series)	1	169-224	785	Specifications Sheet	07/15/2024
M&H Engines² With OEM DOC/DPF/SCR KJDXL09.0308	M&H Engines M9 (John Deere 6090 Series)	1	205-317	1,097	Specification Sheet	07/15/2024

² CARB staff have received information that M&H Engine's product line may have availability limitations. Please notify CHC Program if experiencing delays.

Additional Resources:

[U.S. EPA Annual Certification Data](#)