

PLEASURE CRAFT

PRODUCTS GUIDE



AUGUST 2015



Beneath the Surface

— the perfect combination of efficiency and excitement, dependability and exhilaration.

Cat® marine engines set the standard for quality, performance, and reliability. An extensive power range and decades of experience result in **a single source for total power solutions on board**, providing electronic marine engines, generator sets, and vessel controls.

Throughout the power range, Cat engines have the power not just to accelerate, but to exhilarate. Continual advancements in electronic engine technology mean Cat marine engines **satisfy worldwide emissions regulations and still deliver a surge of adrenaline** whenever and wherever required.



Propulsion Engines

C8.7

In-line 6, 4-Stroke-Cycle Diesel

Aspiration:
Two-Stage Turbocharged,
Supercharged, Aftercooled

Bore x Stroke:
4.6 x 5.3 in (117 x 135 mm)

Displacement:
531 cu in (8.7 liter)

Weight:
2295 lb (1041 kg)



	mhp	bhp	bkW	rpm	U.S. g/h	g/bkW-hr	EPA	IMO	EU
E	650	641	478	2300	33.0	217	T3R	II	IW

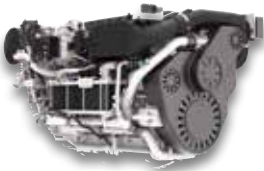
C12.9 Propulsion

In-line 6, 4-Stroke-Cycle Diesel

Aspiration:
Two-Stage Turbocharged,
Supercharged, Aftercooled

Bore x Stroke:
5.31 x 5.91 in (135 x 150 mm)

Displacement:
786.9 cu in (12.9 liter)



	mhp	bhp	bkW	rpm	U.S. g/h	g/bkW-hr	EPA	IMO	EU
E	850	838	625	2300	43.3	220.1	T3R	II	IW
E	1000	985	735	2300	50.7	218.9	T3R	II	IW

Refer to the Marine Power Products Guide (LED3457) for additional ratings and definitions.

Propulsion Engines

C9 ACERT™

In-line 6, 4-Stroke-Cycle Diesel

Aspiration:

Turbocharged-Aftercooled

Bore x Stroke:

4.4 x 5.9 in (112 x 149 mm)

Displacement:

538 cu in (8.8 liter)

Weight:

2086 lb (946 kg)



	mhp	bhp	bkW	rpm	U.S. g/h	g/bkW-hr	EPA	IMO	EU
D	510	503	375	2500	26.0	220.3	NC	II	NC
E	575	567	423	2500	29.2	221.9	NC	II	NC

C12 ACERT

In-line 6, 4-Stroke-Cycle Diesel

Aspiration:

Turbocharged-Aftercooled

Bore x Stroke:

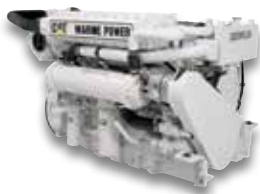
5.1 x 5.9 in (130 x 150 mm)

Displacement:

732 cu in (12 liter)

Weight:

2588 lb (1174 kg)



	mhp	bhp	bkW	rpm	U.S. g/h	g/bkW-hr	EPA	IMO	EU
E	669	660	492	2300	34.1	220.0	NC	II	NC
E	715	705	526	2300	36.5	220.3	NC	II	NC

Propulsion Engines

C18 ACERT

In-line 6, 4-Stroke-Cycle Diesel

Aspiration:
Turbocharged-Aftercooled,
Twin Turbocharged-Aftercooled

Bore x Stroke:
5.7 x 7.2 in (145 x 183 mm)

Displacement:
1106 cu in (18.1 liter)

Weight:
4000 lb (1814 kg)



	mhp	bhp	bkW	rpm	U.S. g/h	g/bkW-hr	EPA	IMO	EU
D	814	803	599	2100	41.8	221.6	T3C	II	IW
E	1015	1001	747	2300	53.8	228.9	T3CR	II	IW
E	1150	1136	847	2300	58.6	219.8	T3R	II	IW

C32 ACERT

Vee 12, 4-Stroke-Cycle Diesel

Aspiration:
Twin Turbocharged-Aftercooled

Bore x Stroke:
5.71 x 6.38 in (145 x 162 mm)

Displacement:
1959 cu in (32.1 liter)

Weight:
6780 lb (3075 kg)



	mhp	bhp	bkW	rpm	U.S. g/h	g/bkW-hr	EPA	IMO	EU
C	1470	1450	1081	2300	75.9	223.1	T3CR	II	IW
D	1622	1600	1193	2300	82.1	218.2	T3CR	II	IW
E	1825	1800	1342	2300	93.2	218.2	T3CR	II	IW
E	1925	1900	1417	2300	101.4	224.7	T3R	II	IW
E	1724	1700*	1268	2300	—	—	T3CR	II	IW

*Contact local dealer for availability.

Refer to the Marine Power Products Guide (LEDM3457) for additional ratings and definitions.

Propulsion Engines

3512C

Vee 12, 4-Stroke-Cycle Diesel

Aspiration:

Twin Turbocharged-Aftercooled

Bore x Stroke:

6.69 x 8.46 in (170 x 215 mm)

Displacement:

3574 cu in (58.6 liter)

Weight:

16,508 lb (7488 kg)



	mhp	bhp	bkW	rpm	U.S. g/h	g/bkW-hr	EPA	IMO	EU
A	1523	1502	1120	1800	75.4	213.7	T3C	II	NC
A	1835	1810	1350	1600	88.7	208.6	T3C	II	NC
B	1938*	1911	1425	1600	93.6	208.5	T3C	II	NC
B	2282*	2250	1678	1800	114.8	217.3	T3C	II	NC
C	2040*	2012	1500	1600	98.6	208.8	T3C	II	NC
C	2398*	2365	1765	1800	120.8	217.4	T3C	II	NC

*Contact local dealer for availability.

3516C

Vee 16, 4-Stroke-Cycle Diesel

Aspiration:

Twin Turbocharged-Aftercooled

Bore x Stroke:

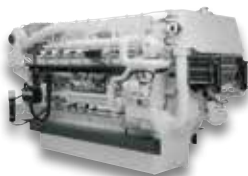
6.69 x 8.46 in (170 x 215 mm)

Displacement:

4765 cu in (78 liter)

Weight:

21,164 lb (9600 kg)



	mhp	bhp	bkW	rpm	U.S. g/h	g/bkW-hr	EPA	IMO	EU
A	2161	2131	1590	1600	103.6	207.0	T3C	II	NC
A	2480	2446	1825	1600	118.9	206.9	T3C	II	NC
B	2270	2239	1670	1600	108.9	207.0	T3C	II	NC
C	2379	2346	1750	1600	114.1	207.0	T3C	II	NC
C	2712	2675	1995	1600	129.8	206.6	T3C	II	NC

Additional 3512C and 3516C ratings are available in an IMO II only configuration.

Propulsion Engines

3512E

Vee 12, 4-Stroke-Cycle Diesel

Aspiration:

Preliminary

Twin Turbocharged-Aftercooled

Bore x Stroke:

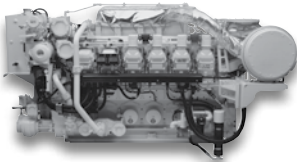
6.69 x 8.46 in (170 x 215 mm)

Displacement:

3574 cu in (58.6 liter)

Weight:

16,508 lb (7488 kg)



	mhp	bhp	bkW	rpm	U.S. g/h	g/bkW-hr	EPA	IMO	EU
A	2028	2000	1491	1600	TBD	TBD	T4C	III	
A	2282	2250	1678	1800	TBD	TBD	T4C	III	
B	2142	2112	1575	1600	TBD	TBD	T4C	III	
B	2408	2375	1771	1800	TBD	TBD	T4C	III	
C	2244	2213	1650	1600	TBD	TBD	T4C	III	
C	2585	2549	1901	1800	TBD	TBD	T4C	III	

Engines require SCR Aftertreatment.
Contact dealer for availability and technical detail.

3516E

Vee 16, 4-Stroke-Cycle Diesel

Aspiration:

Preliminary

Twin Turbocharged-Aftercooled

Bore x Stroke:

6.69 x 8.46 in (170 x 215 mm)

Displacement:

4765 cu in (78 liter)

Weight:

21,164 lb (9600 kg)



	mhp	bhp	bkW	rpm	U.S. g/h	g/bkW-hr	EPA	IMO	EU
A	2720	2682	2000	1600	TBD	TBD	T4C	III	
A	3046	3004	2240	1800	TBD	TBD	T4C	III	
B	2855	2816	2100	1600	TBD	TBD	T4C	III	
B	3195	3151	2350	1800	TBD	TBD	T4C	III	
C	2991	2950	2200	1600	TBD	TBD	T4C	III	
C	3433	3386	2525	1800	TBD	TBD	T4C	III	

Engines require SCR Aftertreatment.
Contact dealer for availability and technical detail.

Refer to the Marine Power Products Guide (LED3457) for additional ratings and definitions.

Engine Monitoring

Cat Marine Display



The Cat Marine Display is a self-contained, touch screen engine monitoring and display system that is simple to install and operate, displaying engine operating information that is easy to read and understand.

It accurately measures and displays engine operating parameters while simultaneously monitoring all engine operations for multi-engine applications. The operator is audibly alerted if an engine or transmission problem occurs. The Cat Marine Display has high resolution LCD and updated graphics for engine information, and is customizable for each user. The display's electronics are pressure sealed for increased durability and safety. The Cat Marine Display is available with a 7" or 13" screen size.

Color Marine Power Display



CMPD can monitor and display operating parameters for two engines and transmissions including diagnostics, visual alarms, and streaming video from up to four camera inputs. The user can select from seven languages, two gauge types, and daylight or night mode screens.

gplink

gplink is a satellite/cellular-based tracking, monitoring, and notification system that protects Cat powered vessels by monitoring engine operating parameters and engine diagnostic codes as well as on-board critical systems such as bilge levels, fire alarms, low batteries, and power interruption.

gplink provides immediate notification via e-mail, text and/or phone of any critical alarm or event. Trained Caterpillar technical experts can remotely access fault codes and operating conditions, review a vessel's alarm status, troubleshoot engine conditions, and potentially eliminate a service technician's preliminary visit to the vessel. The vessel owner can also view the status of the engines remotely on a phone, tablet, or computer.



Vessel Controls

Multi-Station Control System (MSCS)

MSCS provides engine and transmission control for single or dual engine applications with up to eight control stations. Control can be easily transferred from one station to another and the fully redundant backup system ensures propulsion system operation if the primary control system fails. Transmission shift logic prevents stalling the engine during quick shifting maneuvers.



Vessel Controls

Cat Three60 Precision Control For Conventional Drive Systems



The **Cat Three60 Precision Control** revolutionizes docking and slow speed maneuvering for diesel powered, conventional driveline vessels.

The system simultaneously actuates and controls engines, transmissions, and thrusters. With intuitive, easy fingertip movements, the vessel operator can instantaneously control all aspects of vessel direction and speed.

Three60 PC gives instant access to full or incremental power in any direction, immediate yet smooth shifting from forward to reverse, and propeller control down to 50 rpm.

Benefits

- Remarkably easy to learn
- “Push, twist, and go” directional maneuvering
- Superior slow-speed maneuvering
- Access to full or incremental power in any direction
- Smooth shifting from forward to reverse
- Available with Cat Extended Service Coverage for worry-free operation

Along with Cat electronically controlled marine propulsion engines, this system requires Twin Disc QuickShift transmission, throttle control, electrical harnesses and sensors, bow thruster, stern thruster (optional), and hydraulic system components.

COMING SOON!

Cat Three60 Pod 650 For Cat C8.7 Engine



This electronic control system and mechanical pod drive are specifically designed to take advantage of the powerful torque of the C8.7, providing unmatched response and performance for smooth maneuvering.

Benefits

- Instantaneously controls vessel direction and speed
- Full or incremental power available in any direction
- Optional Three60 Hold station keeping
- Remarkably easy to learn
- Intuitive directional maneuvering and smooth shifting
- Revolutionizes docking and slow-speed maneuvering
- Provides superior slow-speed vessel control

Behind the Scenes

Unmatched Worldwide Support Network



No matter where your spirit of adventure takes you, rest assured that there's a Cat dealer or one of our authorized marine dealers close at hand.

- **Expert advice and assistance**
- **State-of-the-art diagnostic tools**
- **Cat parts availability (normally 24 hours) through our renowned worldwide parts distribution network**

In short, with Caterpillar, your pleasure craft remains precisely that — a pleasure.

World-class Customer Support

Cat Concierge

Caterpillar Marine has a special relationship with selected yacht builders. As an owner of one of these yachts powered by Cat engines, you are eligible for exclusive Global Concierge Service. Trusted marine professionals are available to you at any time and in any location for inquiries, administration, maintenance, or repairs. With only one call you can receive technical assistance for any issue, large or small. The Concierge can also assist you with other available services and opportunities.

Your Concierge manages all your engine concerns with prompt, convenient service scheduling, repair supervision, and status updates. Trained technicians from the Cat dealer network perform all service and the Concierge will follow up with you to ensure you're satisfied.

All first owners of Cat powered yachts are entitled to a Free First Owner Sea Trial, conducted by a Cat dealer technician. Your Concierge can arrange this free sea trial and engine orientation service with the local Cat dealer.

As of January 2015, Concierge service is available for these yachts with Cat power:

- | | | |
|----------------|------------|--------------|
| • Azimut | • Hargrave | • Riviera |
| • Cabo | • Hatteras | • Sanlorenzo |
| • Cheoy Lee | • Horizon | • Sea Ray |
| • Christiansen | • Maritimo | • Sunseeker |
| • Grand Banks | • Princess | • Viking |

Additionally, any Cat powered yacht larger than 80' is eligible.



World-class Customer Support

First Owner Sea Trial

As an owner of a new Cat powered yacht you are entitled to a **free orientation and performance sea trial** from your local Cat dealer. This 2.5-hour per engine sea trial and orientation is completely FREE to you as the first owner of a new yacht with Cat propulsion engines.

A Caterpillar trained and certified service technician will provide information and instruction on

- Major engine components and systems
- Sensors and electrical components
- Customer programmable engine parameters
- Safe engine start-up and operation practices
- Control system start-up and operation
- Trolling mode strategy
- Slow vessel mode
- Engine diagnostics
- Fuel conservation practices
- Post-start engine room check



World-class Service

Preventive Maintenance Agreement



OPTIONAL

Preventive Maintenance Agreements (PMA) allow you more time to enjoy your vessel without concern for your engines.

The maintenance provided through the PMA keeps your engines running at maximum performance and prevents unbudgeted repair costs. Service work can be completed by any Cat Dealer or Cat Authorized Marine Dealer worldwide.

Preventive Maintenance Agreements are fully transferable and provide a documented maintenance history to assure your engines maintain maximum resale value.

Maintenance made simple:

- Genuine parts
- Caterpillar certified technicians
- Cat S•O•SSM fluid sampling

The right maintenance, right on schedule.

Worldwide Coverage

Extended Service Coverage

Platinum level Extended Service Coverage (ESC) provides coverage for the entire as-shipped engine consists from the factory (less consumables). This coverage, available for new, used, and overhauled engines, includes additional Cat parts as well as controls and displays. Components and coverage vary by application.

Two types of coverage policies are available: 300 hours or unlimited hours per year, both of these for 36, 48, or 60 months.

Up to 15 years of product protection

- 24 months of Standard Warranty
- 36 months of Extended Standard Warranty (major components)
- Concurrent Platinum New Extended Service Coverage
- 60 months of Platinum Advantage Extended Service Coverage for used engines once five years old
- 60 months of Platinum OPC Extended Service Coverage after overhaul



Generator Sets

C1.5

In-line 3, 4-Stroke-Cycle Diesel

Aspiration:
Naturally Aspirated

Bore x Stroke:
3.31 x 3.5 in (84 x 90 mm)

Displacement:
91 cu in (1.5 liter)

Weight:
703 lb (319 kg)



	ekW @ .8pf	kVA	rpm	U.S. g/h	g/bkW-hr	EPA	IMO	EU
60 Hertz	13.0	16.5	1800	1.2	268.2	T3C	NST	NST
50 Hertz	11.0	13.5	1500	1.0	264.1	T3C	NST	NST
	ekW @ 1.0pf	kVA	rpm	U.S. g/h	g/bkW-hr	EPA	IMO	EU
60 Hertz	12.0	12.0	1800	1.2	290.5	T3C	NST	NST
50 Hertz	10.0	10.0	1500	1.0	290.5	T3C	NST	NST

C2.2

In-line 4, 4-Stroke-Cycle Diesel

Aspiration:
Naturally Aspirated, Turbocharged

Bore x Stroke:
3.31 x 3.94 in (84 x 100 mm)

Displacement:
135 cu in (2.2 liter)

Weight:
857 lb (389 kg)



	ekW @ .8pf	kVA	rpm	U.S. g/h	g/bkW-hr	EPA	IMO	EU
60 Hertz	19.5	24.0	1800	1.63	242.9	T3C	NST	IW
60 Hertz	27.0	34.0	1800	2.24	241.0	T3C	NST	IW
50 Hertz	16.0	20.0	1500	1.37	248.8	T3C	NST	IW
50 Hertz	22.5	28.0	1500	1.88	242.8	T3C	NST	IW
	ekW @ 1.0pf	kVA	rpm	U.S. g/h	g/bkW-hr	EPA	IMO	EU
60 Hertz	19.0	19.0	1800	1.63	242.9	T3C	NST	IW
60 Hertz	27.0	27.0	1800	2.24	241.0	T3C	NST	IW
50 Hertz	16.0	16.0	1500	1.37	248.8	T3C	NST	IW
50 Hertz	22.5	22.5	1500	1.88	242.8	T3C	NST	IW

Generator Sets

C4.4 ACERT

In-line 4, 4-Stroke-Cycle Diesel

Aspiration:

Turbocharged-Aftercooled

Bore x Stroke:

4.13 x 5.0 in (105 x 127 mm)

Displacement:

269 cu in (4.4 liter)

Weight:

2736-3389 lb (1241-1537 kg)



	ekW @ .8pf	kVA	rpm	U.S. g/h	g/bkW-hr	EPA	IMO	EU
60 Hertz	60	75	1800	5.0	241.9	T3C	NST	CC2
60 Hertz	75	94	1800	5.9	231.3	T3C	NST	CC2
60 Hertz	99	124	1800	7.5	220.3	T3C	NST	CC2
60 Hertz	118	148	1800	8.3	204.5	T3C	NST	CC2
50 Hertz	65	81	1500	5.2	236.8	T3C	NST	CC2
50 Hertz	80	100	1500	6.2	227.5	T3C	NST	CC2
50 Hertz	99	124	1500	7.4	217.9	T3C	NST	CC2

MCS packages available.

C7.1 ACERT

In-line 6, 4-Stroke-Cycle Diesel

Aspiration:

Turbocharged-Aftercooled

Bore x Stroke:

4.13 x 5.3 in (105 x 135 mm)

Displacement:

433.3 cu in (7.01 liter)

Weight:

3634 lb (1652 kg)



	ekW @ .8pf	kVA	rpm	U.S. g/h	g/bkW-hr	EPA	IMO	EU
60 Hertz	118	148	1800	9.5	233.6	T3C	II	CC2
60 Hertz	150	188	1800	11.3	219.4	T3C	II	CC2
60 Hertz	175	219	1800	13.2	219.5	T3C	II	CC2
60 Hertz	200	250	1800	14.9	216.4	T3C	II	CC2
50 Hertz	100	125	1500	7.9	229.6	T3C	II	CC2
50 Hertz	118	148	1500	9.2	227.5	T3C	II	CC2
50 Hertz	150	188	1500	11.2	216.5	T3C	II	CC2

MCS packages available.

Remanufactured Propulsion Engines

3116

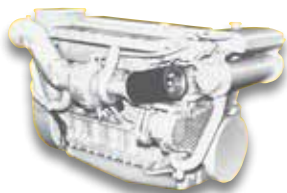
In-line 6, 4-Stroke-Cycle Diesel

Aspiration:
Turbocharged-Aftercooled

Bore x Stroke:
4.13 x 5.0 in (105 x 127 mm)

Displacement:
402 cu in (6.6 liter)

Weight:
1500 lb (681 kg)



	mhp	bhp	bkW	rpm	U.S. g/h	g/bkW-hr	IMO
E	304	300	224.0	2800	15.8	224.0	I
E	355	350	261.0	2800	19.2	233.0	I

3126

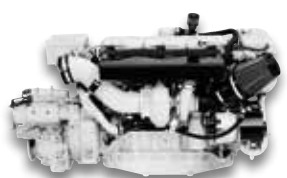
In-line 6, 4-Stroke-Cycle Diesel

Aspiration:
Turbocharged-Aftercooled

Bore x Stroke:
4.33 x 5.0 in (110 x 127 mm)

Displacement:
442 cu in (7.2 liter)

Weight:
1592 lb (722 kg)



	mhp	bhp	bkW	rpm	U.S. g/h	g/bkW-hr	IMO
E	355	350	261.0	2800	17.9	218.4	I
E	426	420	313.0	2800	22.8	231.7	I



Clear Skies Above with Cat power at work below.

All the power you need for your pleasure craft comes from one supplier with one support network. Caterpillar is customer-driven to deliver dependable, efficient power solutions backed by the most responsive support network in the world. On every continent, factory-trained professionals and genuine Cat parts are available around the clock so you get peace of mind for the life of your engine. That's what we're built to deliver.

**Learn more about the benefits of bringing Cat power aboard.
Call your local Cat dealer or visit cat.com/marine today.**

BUILT FOR IT.™

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