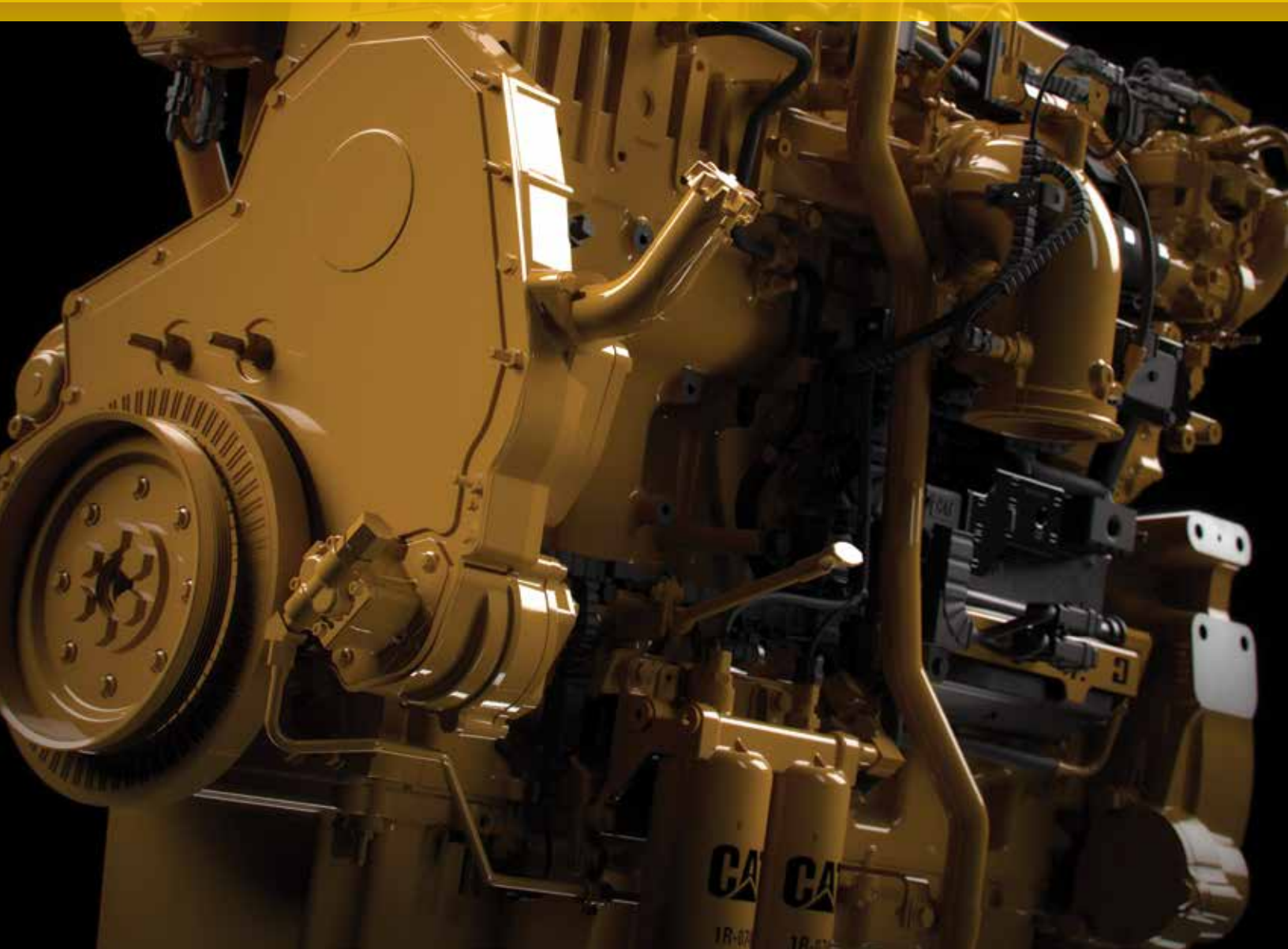


Industrial Power Systems

Fueled By Innovation



Any Job, Anywhere

Count on a trusted partner no matter where your work takes you. Cat® engines and power systems are at work in applications from the blistering heat of the Sahara to the extreme cold of the Arctic. Cat equipment is on the job around the world on construction sites and mining operations, in agriculture and forestry, and in a wide range of industries:

- Material handling
- Aircraft ground support
- Auxiliary power
- Compressors
- Mobile lighting systems
- Turf and landscaping

BUILT FOR IT.™



A Legacy of Advancement

Caterpillar has been a leader in diesel engine design and manufacturing since 1931, driven by your specific needs, to pioneer important innovations in diesel technology including:



- The first use of turbocharging in production engines, machines, and trucks



- Development and refinement of electronic engine control, producing the advanced Cat ADEM™ A4 controllers used in Cat engines today



- Precision fuel injection using Cat Common Rail, HEUI™, and MEUI™ (Hydraulically and Mechanically actuated, Electronically controlled Unit Injector) fuel systems




- Cat ACERT™ Technology, a revolutionary diesel engine innovation, enhances overall engine performance while reducing emissions




Innovation In Action

We redesigned the industrial engine product line for U.S. EPA Tier 4 Interim, EU Stage IIIB with space claim factored in for U.S. EPA Tier 4 Final, EU Stage IV. With millions of engine working hours in a wide variety of applications since the U.S. EPA Tier 4 Interim product introductions, you can be confident in the quality and value of your U.S. EPA Tier 4 Final, EU Stage IV Cat engine investment.

Today's Cat engine lineup uses ACERT Technology and advanced aftertreatment systems to meet emission standards and deliver the power and performance to take on any challenge.



C0.5	Cylinders	In-Line 2
	Bore x Stroke	67 x 72 mm (2.6 x 2.8 in)
	Displacement	0.5 liters (31 in³)
	Power	4.1-10.2 bkW/5.5-13.7 bhp 2800-3600 rpm (NA)
C0.7	Cylinders	In-Line 3
	Bore x Stroke	67 x 72 mm (2.6 x 2.8 in)
	Displacement	0.76 liters (46.4 in³)
	Power	8.8-15.3 bkW/11.8-20.5 bhp 2200-3600 rpm (NA)
C1.1	Cylinders	In-Line 3
	Bore x Stroke	77 x 81 mm (3.0 x 3.2 in)
	Displacement	1.1 liters (69 in³)
	Power	9.8-21.0 bkW/13.1-28.2 bhp 1800-3400 rpm (NA)
C1.5	Cylinders	In-Line 3
	Bore x Stroke	84 x 90 mm (3.3 x 3.5 in)
	Displacement	1.496 liters (91 in³)
	Power	18.4-30.0 bkW/24.7-40.2 bhp 2100-3000 rpm (NA, T)
C1.6	Cylinders	In-Line 4
	Bore x Stroke	77 x 81 mm (3.0 x 3.2 in)
	Displacement	1.5 liters (92 in³)
	Power	24.6 & 26.5 bkW/33 & 35.5 bhp 2800-3000 rpm (NA)
C1.7	Cylinders	In-Line 3
	Bore x Stroke	84 x 100 mm (3.3 x 3.9 in)
	Displacement	1.66 liters (101 in³)
	Power	23.6 & 26.1 bkW/31.6 & 35.0 bhp 2400-2600 rpm (NA)
C2.2	Cylinders	In-Line 4
	Bore x Stroke	84 x 100 mm (3.3 x 3.9 in)
	Displacement	2.2 liters (135 in³)
	Power	31.0-45.5 bkW/41.6-61.0 bhp 2200-3300 rpm (NA, T, TA)



C3.4B	Cylinders	In-Line 4
	Bore x Stroke	99 x 110 mm (3.9 x 4.3 in)
	Displacement	3.4 liters (207.5 in³)
	Power	45-90 bkW/60.3-120.7 bhp 2200-2500 rpm (NA, T)
C4.4	Cylinders	In-Line 4
	Bore x Stroke	105 x 127 mm (4.1 x 5.0 in)
	Displacement	4.4 liters (269 in³)
	Power	54-83 bkW/72.4-111.3 bhp 2200-2400 rpm (NA, T, TA)
C4.4 ACERT	Cylinders	In-Line 4
	Bore x Stroke	105 x 127 mm (4.1 x 5.0 in)
	Displacement	4.4 liters (269 in³)
	Power	61.5-129.4 bkW/82.5-173.5 bhp 2200 rpm (T, TA, TTA)
C6.6 ACERT	Cylinders	In-Line 6
	Bore x Stroke	105 x 127 mm (4.1 x 5.0 in)
	Displacement	6.6 liters (402.8 in³)
	Power	89-205 bkW/119.3-274.9 bhp 1800-2500 rpm (TA)
C7 ACERT	Cylinders	In-Line 6
	Bore x Stroke	110 x 127 mm (4.33 x 5.0 in)
	Displacement	7.2 liters (442 in³)
	Power	168-224 bkW/225-300 bhp 1800-2200 rpm
C7.1	Cylinders	In-Line 6
	Bore x Stroke	105 x 135 mm (4.13 x 5.3 in)
	Displacement	7.01 liters (427.7 in³)
	Power	105-162 bkW/140-220 bhp 1950-2200 rpm
C7.1 ACERT	Cylinders	In-Line 6
	Bore x Stroke	105 x 135 mm (4.13 x 5.3 in)
	Displacement	7 liters (427.7 in³)
	Power	116-225 bkW/156-302 bhp 2200 rpm

Includes ratings which meet highly regulated and/or lesser or non regulated emission standards.



C9 ACERT	Cylinders	In-Line 6
	Bore x Stroke	112 x 149 mm (4.41 x 5.87 in)
	Displacement	8.8 liters (537 in³)
	Power	205-280 bkW/275-375 bhp 1800-2200 rpm
C9.3 ACERT	Cylinders	In-Line 6
	Bore x Stroke	115 x 149 mm (4.53 x 5.87 in)
	Displacement	9.3 liters (567.5 in³)
	Power	224-298 bkW/300-400 bhp 1800-2200 rpm
C11 ACERT	Cylinders	In-Line 6
	Bore x Stroke	130 x 140 mm (5.12 x 5.51 in)
	Displacement	11.1 liters (677 in³)
	Power	242-336 bkW/325-450 bhp 1800-2100 rpm
3406C	Cylinders	In-Line 6
	Bore x Stroke	137.2 x 165.1 mm (5.4 x 6.5 in)
	Displacement	14.6 liters (893 in³)
	Power	298-347 bkW/400-465 bhp 1800-2100 rpm
C13 ACERT	Cylinders	In-Line 6
	Bore x Stroke	130 x 157 mm (5.1 x 6.2 in)
	Displacement	12.5 liters (762.8 in³)
	Power	287-388 bkW/385-520 bhp 1800-2100 rpm
C15 ACERT	Cylinders	In-Line 6
	Bore x Stroke	137 x 171 mm (5.4 x 6.73 in)
	Displacement	15.2 liters (927.6 in³)
	Power	328-444 bkW/440-595 bhp 1800-2100 rpm (TA)
C18 ACERT	Cylinders	In-Line 6
	Bore x Stroke	145 x 183 mm (5.71 x 7.2 in)
	Displacement	18.1 liters (1104.5 in³)
	Power	429-597 bkW/575-800 bhp 1500*-2100 rpm (TA, TTA) *Includes fire pump rating



C27 ACERT	Cylinders	V-12
	Bore x Stroke	137.2 x 152.4 mm (5.4 x 6.0 in)
	Displacement	27 liters (1648 in³)
	Power	597-858 bkW/800-1150 bhp 1800-2100 rpm (TA)
C32 ACERT	Cylinders	V-12
	Bore x Stroke	145 x 162 mm (5.71 x 6.38 in)
	Displacement	32.1 liters (1959 in³)
	Power	708-1007 bkW/950-1350 bhp 1800-2100 rpm (TA)
3508/3508B	Cylinders	V-8
	Bore x Stroke	170 x 190 mm (6.7 x 7.5 in)
	Displacement	34.5 liters (2105 in³)
	Power	507-746 bkW/680-1000 bhp 1200-1800 rpm (TA)
3512/3512B/ 3512C	Cylinders	V-12
	Bore x Stroke	170 x 190 mm (6.7 x 7.5 in)
	Displacement	51.8 liters (3158 in³)
	Power	761-1119 bkW/1020-1500 bhp 1200-1800 rpm (TA)
3516/3516B	Cylinders	V-16
	Bore x Stroke	170 x 190 mm (6.7 x 7.5 in)
	Displacement	69 liters (4210 in³)
	Power	1011-1492 bkW/1355-2000 bhp 1200-1800 rpm (TA)
3606/3608 3612/3616	Cylinders	In-Line 6, In-Line 8, V-12, V-16
	Bore x Stroke	280 x 300 mm (11 x 11.8 in)
	Displacement	110.8-295.6 liters (6764-18 036 in³)
	Power	1490-4920 bkW/1998-6598 bhp 750-1000 rpm (TA)

Abbreviations:

NA=Naturally Aspirated
T=Turbocharged

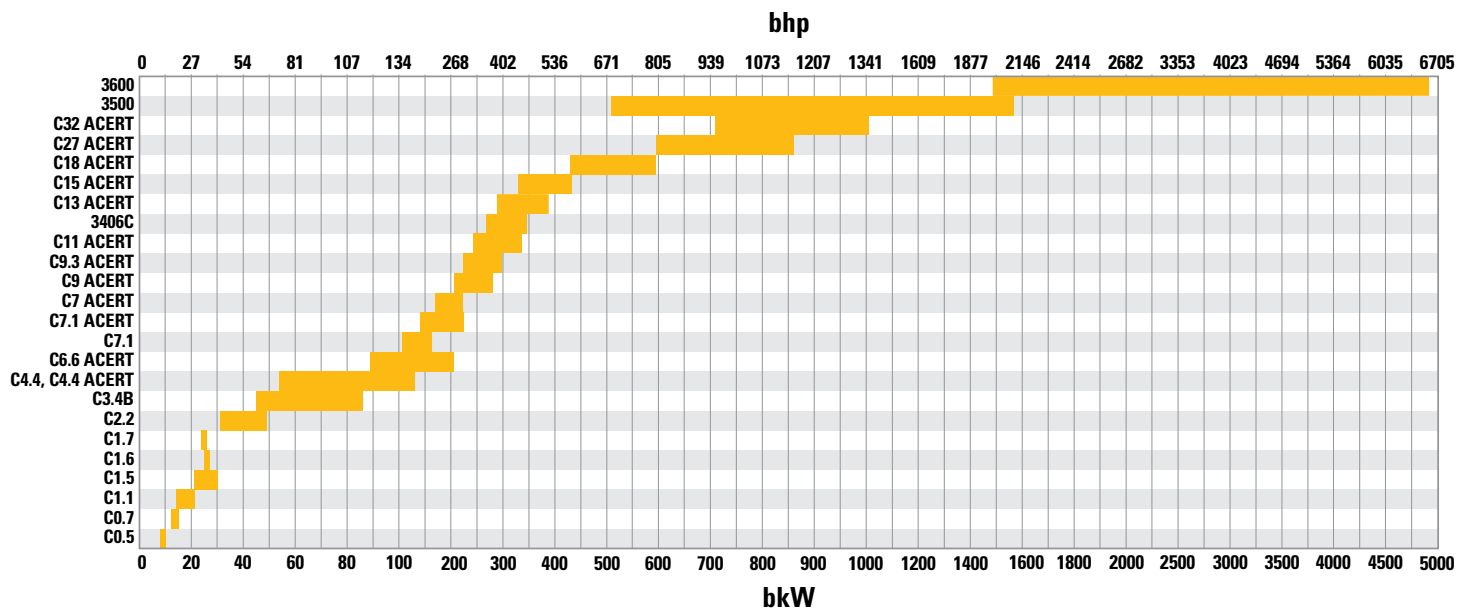
TA=Turbocharged Aftercooled
TTA=Twin or Series Turbocharged Aftercooled

Includes ratings which meet highly regulated and/or lesser or non regulated emission standards.

Cat Engine Technology Keeps Delivering

As technology advances, we make sure your engines achieve maximum performance and efficiency while retaining operational simplicity, reducing emissions, and maintaining long service life.

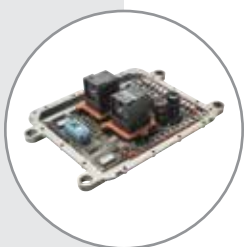
MATCH A CAT ENGINE TO YOUR APPLICATION





ACERT Technology

The development of ACERT Technology began with the search for a better way to reduce diesel engine emissions, and culminated in a revolutionary engine design breakthrough that burns fuel more precisely than ever before. Lower combustion temperatures reduce emissions and prolong the life of lighter, more power-dense engine platforms. It also varies the injection timing based on factors like engine load and speed for optimum performance under a wide range of operating conditions.



ADEM™ A4 Electronic Control Unit (ECU)

ACERT Technology is built on a refined combination of technologies that have already seen millions of hours on the job. The most important is the A4 ECU. It directs the fuel injectors to deliver fuel with incredible precision, enables customized engine speeds and idle levels for specific applications, and delivers advanced diagnostic capabilities for service and troubleshooting.



Advanced Simplicity

Cat engines with ACERT Technology truly are revolutionary, but they remain surprisingly familiar. There are no complex, new add-on systems. In fact, they retain most of the core iron and service routines from their predecessors. New components include crossflow cylinder heads for improved airflow efficiency, stronger all-steel pistons, and new leak-free connectors. Turbocharged engine platforms use wastegate turbochargers for quick response and long-term reliability. The engines meet applicable emission standards through U.S. EPA Tier 4 Final, EU Stage IV.

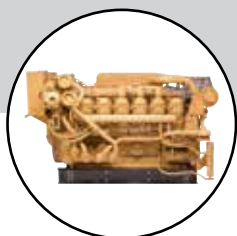
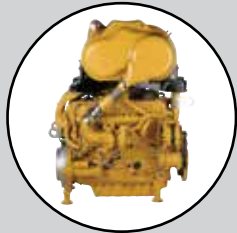
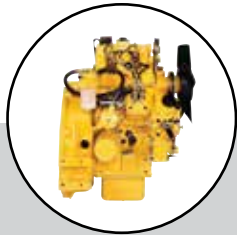


Aftertreatment

Through partnering with Caterpillar customers to understand their business and equipment requirements, we recognized that one technology solution does not fit all applications. This fundamental realization led to the design and incorporation of a comprehensive technology portfolio offering multiple combinations of electronics, fuel system, air system, and aftertreatment components – based on engine size, application, and geographic location.

Cat Engines and Power Systems for

CONSTRUCTION



Bore/Drill Rigs

C1.1 / C1.6 / C2.2 / C3.4B / C4.4 / C4.4 ACERT / C6.6 ACERT
C7 ACERT / C7.1 / C7.1 ACERT / C9 ACERT / C9.3 ACERT /
C13 ACERT / C15 ACERT / C18 ACERT

Compactors/Rollers

C0.5 / C0.7 / C1.1 / C1.6 / C2.2 / C3.4B / C4.4 / C4.4 ACERT
C6.6 ACERT / C7 ACERT / C7.1 / C7.1 ACERT / C9 ACERT
C9.3 ACERT / C11 ACERT / C13 ACERT / C15 ACERT / C18 ACERT

Mobile Earthmoving Machines

C0.5 / C0.7 / C1.1 / C1.6 / C2.2 / C3.4B / C4.4 / C4.4 ACERT
C6.6 ACERT / C7 ACERT / C7.1 / C7.1 ACERT / C9 ACERT
C9.3 ACERT / C11 ACERT / C13 ACERT / C15 ACERT
C18 ACERT / C27 ACERT / C32 ACERT / 3500 Series

Paving Equipment

C2.2 / C3.4B / C4.4 / C4.4 ACERT / C6.6 ACERT / C7 ACERT
C7.1 / C7.1 ACERT / C9 ACERT / C9.3 ACERT / C11 ACERT
C13 ACERT / C15 ACERT / C18 ACERT / C27 ACERT / C32 ACERT

Trenchers

C1.1 / C1.6 / C2.2 / C3.4B / C4.4 / C4.4 ACERT / C6.6 ACERT
C7 ACERT / C7.1 / C7.1 ACERT / C9 ACERT / C9.3 ACERT
C11 ACERT / C13 ACERT / C15 ACERT / C18 ACERT
C27 ACERT / C32 ACERT / 3500 Series

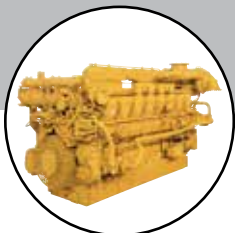
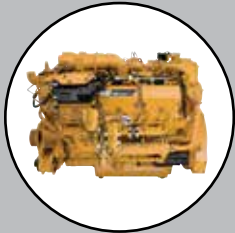
Other Construction Equipment

C1.1 / C1.6 / C2.2 / C3.4B / C4.4 / C4.4 ACERT / C6.6 ACERT
C7 ACERT / C7.1 / C7.1 ACERT / C9 ACERT / C9.3 ACERT
C11 ACERT / C13 ACERT / C15 ACERT / C18 ACERT
C27 ACERT / C32 ACERT / 3500 Series



Cat Engines and Power Systems for

MINING



Bore/Drill Rigs

C7 ACERT / C7.1 / C7.1 ACERT / C9 ACERT / C9.3 ACERT
C11 ACERT / C13 ACERT / C15 ACERT / C18 ACERT / C27 ACERT
C32 ACERT / 3500 Series

Shovels/Draglines

C9 ACERT / C9.3 ACERT / C11 ACERT / C13 ACERT / C15 ACERT
C18 ACERT / C27 ACERT / C32 ACERT / 3500 Series

Surface Hauling Equipment

C9 ACERT / C9.3 ACERT / C11 ACERT / C13 ACERT / C15 ACERT
C18 ACERT / C27 ACERT / C32 ACERT / 3500 Series

Underground Mining Equipment

C1.1 / C1.6 / C2.2 / C3.4B / C4.4 / C4.4 ACERT / C6.6 ACERT
C7 ACERT / C7.1 / C7.1 ACERT / C9 ACERT / C9.3 ACERT
C11 ACERT / C13 ACERT



Cat Engines and Power Systems for

AGRICULTURE



Ag Tractors

C6.6 ACERT / C7 ACERT / C7.1 / C7.1 ACERT / C9 ACERT
C9.3 ACERT / C11 ACERT / C13 ACERT / C15 ACERT / C18 ACERT

Combines/Harvesters

C6.6 ACERT / C7 ACERT / C7.1 / C7.1 ACERT / C9 ACERT
C9.3 ACERT / C11 ACERT / C13 ACERT / C15 ACERT

Irrigation Equipment

C1.5 / C2.2 / C3.4B / C4.4 / C4.4 ACERT / C6.6 ACERT / C7 ACERT
C7.1 / C7.1 ACERT / C9 ACERT / C9.3 ACERT / C11 ACERT
C13 ACERT / C15 ACERT / C18 ACERT / C27 ACERT

Specialty Ag Equipment

C3.4B / C4.4 / C4.4 ACERT / C6.6 ACERT / C7 ACERT / C7.1
C7.1 ACERT / C9 ACERT / C9.3 ACERT / C11 ACERT / C13 ACERT

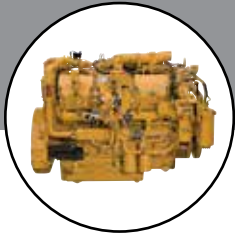
Sprayers

C4.4 / C4.4 ACERT / C6.6 ACERT / C7 ACERT / C7.1 / C7.1 ACERT
C9 ACERT / C9.3 ACERT / C11 ACERT / C13 ACERT



Cat Engines and Power Systems for

FORESTRY/WASTE



Chippers/Grinders

C1.1 / C1.6 / C2.2 / C3.4B / C4.4 / C4.4 ACERT
C6.6 ACERT / C7 ACERT / C7.1 / C7.1 ACERT / C9 ACERT
C9.3 ACERT / C11 ACERT / C13 ACERT / C15 ACERT
C18 ACERT / C27 ACERT / C32 ACERT / 3500 Series

Feller Bunchers

C4.4 / C4.4 ACERT / C6.6 ACERT / C7 ACERT / C7.1 / C7.1 ACERT

Harvesters

C4.4 / C4.4 ACERT / C6.6 ACERT / C7 ACERT / C7.1 / C7.1 ACERT

Loaders/Forwarders

C4.4 / C4.4 ACERT / C6.6 ACERT / C7 ACERT / C7.1 / C7.1 ACERT
C9 ACERT / C9.3 ACERT / C11 ACERT / C13 ACERT / C15 ACERT

Skidders

C1.5 / C2.2 / C3.4B / C4.4 / C4.4 ACERT / C6.6 ACERT / C7 ACERT
C7.1 / C7.1 ACERT

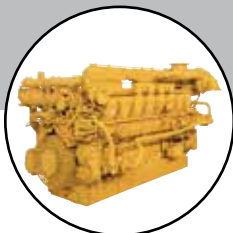
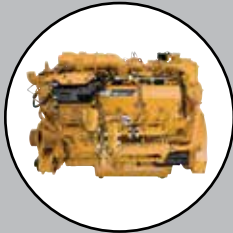
Other Forestry Equipment

C1.1 / C1.6 / C3.4B / C4.4 / C4.4 ACERT / C6.6 ACERT / C7 ACERT
C7.1 / C7.1 ACERT / C9 ACERT / C9.3 ACERT / C11 ACERT
C13 ACERT / C15 ACERT / C18 ACERT / C27 ACERT



Cat Engines and Power Systems for

MATERIAL HANDLING



Aerial Lifts

C1.5 / C2.2 / C3.4B / C4.4 / C4.4 ACERT

Chippers/Grinders (Non-Forestry)

C6.6 ACERT / C7 ACERT / C7.1 / C7.1 ACERT / C9 ACERT
C9.3 ACERT / C11 ACERT / C13 ACERT / C15 ACERT / C18 ACERT
C27 ACERT / C32 ACERT / 3500 Series

Cranes

C4.4 / C4.4 ACERT / C6.6 ACERT / C7 ACERT / C7.1 / C7.1 ACERT
C9 ACERT / C9.3 ACERT / C11 ACERT / C13 ACERT / C15 ACERT
C18 ACERT / C27 ACERT

Crushers

C4.4 / C4.4 ACERT / C6.6 ACERT / C7 ACERT / C7.1 / C7.1 ACERT
C9 ACERT / C9.3 ACERT / C11 ACERT / C13 ACERT / C15 ACERT
C18 ACERT / C27 ACERT

Dredgers

C9 ACERT / C9.3 ACERT / C11 ACERT / C13 ACERT / C15 ACERT
C18 ACERT / C27 ACERT / C32 ACERT / 3500 Series

Forklifts

C4.4 / C4.4 ACERT / C6.6 ACERT / C7 ACERT / C7.1
C7.1 ACERT / C9 ACERT / C9.3 ACERT / C11 ACERT

Pumps

Irrigation, Petroleum (Non-Fire)

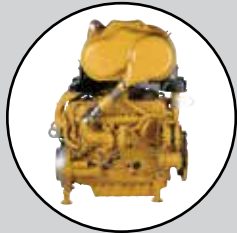
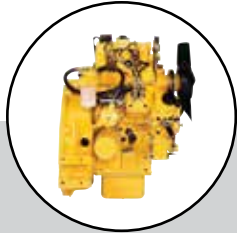
C1.1 / C1.6 / C2.2 / C3.4B / C4.4 / C4.4 ACERT / C6.6 ACERT
C7 ACERT / C7.1 / C7.1 ACERT / C9 ACERT / C9.3 ACERT / C11 ACERT
C13 ACERT / C15 ACERT / C18 ACERT / C27 ACERT / 3500 Series





Cat Engines and Power Systems for

LIGHT CONSTRUCTION/ GENERAL INDUSTRIAL



Aircraft Ground Support

C1.1 / C1.6 / C3.4B / C4.4 / C4.4 ACERT / C6.6 ACERT
C7 ACERT / C7.1 / C7.1 ACERT / C9 ACERT / C9.3 ACERT
C11 ACERT / C13 ACERT / C15 ACERT / C18 ACERT

Compressors

C2.2 / C3.4B / C4.4 / C4.4 ACERT / C6.6 ACERT / C7 ACERT
C7.1 / C7.1 ACERT / C9 ACERT / C9.3 ACERT / C11 ACERT
C13 ACERT / C15 ACERT / C18 ACERT / C27 ACERT

Hydraulic Power Units

C4.4 / C4.4 ACERT / C6.6 ACERT / C7 ACERT / C7.1 / C7.1 ACERT
C9 ACERT / C9.3 ACERT / C11 ACERT / C13 ACERT / C15 ACERT
C18 ACERT / C27 ACERT / C32 ACERT

Mobile Lighting Systems

C0.5 / C0.7 / C1.1 / C1.6 / C2.2 / C3.4B

Mobile Sweepers

C2.2 / C3.4B / C4.4 / C4.4 ACERT / C6.6 ACERT / C7 ACERT
C7.1 / C7.1 ACERT / C9 ACERT / C9.3 ACERT

Turf & Landscaping

C0.5 / C0.7 / C1.5 / C1.6 / C2.2 / C3.4B / C4.4 / C4.4 ACERT

Welders

C1.5 / C2.2 / C4.4 ACERT

Other Industrial Applications*

C0.5 / C0.7 / C1.1 / C1.6 / C2.2 / C3.4B / C4.4 / C4.4 ACERT
C6.6 ACERT / C7 ACERT / C7.1 / C7.1 ACERT / C9 ACERT
C9.3 ACERT / C11 ACERT / C13 ACERT / C15 ACERT
C18 ACERT / C27 ACERT / C32 ACERT / 3500 Series

*Includes Snow Grooming & Removal





Service Advantage

Worldwide Cat Dealer Network

Our engines are only as good as the service and support that stand behind them. Cat product support is with you anywhere you work, around the block or around the globe.

Count on the Cat dealer network for:

- Genuine Cat parts
- Repowers
- New engine installation
- Scheduled maintenance
- Customer Support Agreements
- Caterpillar Extended Service Coverage

Highly trained and experienced service technicians are ready with whatever you need, wherever and whenever you need it. They know Cat engines inside and out, so they can diagnose problems fast and keep Cat engines on the job and running at peak performance.





Industrial Service Distributor (ISD) Support

The ISD program offers equipment dealers the opportunity to become certified service outlets for the Cat engines used in their equipment. Both dealers and their customers benefit from this single-source service. When equipment manufacturers join the ISD program, their technicians gain access to training, tooling, and inventory of Cat parts, increasing product support capabilities and improving customer satisfaction.

Gas Engines

Caterpillar offers a range of gas-powered engines for irrigation and other stationary industrial applications. Like Cat diesel engines, they're built to the highest quality standards with an innovative combustion design and advanced control systems. Cat gas engines deliver optimum fuel economy on a range of fuels, while offering options like remote communications, sound-attenuated and weather-protected enclosures, fuel tank bases, silencers, starting aids, cooling systems, and other accessories. Naturally aspirated, turbocharged, and aftercooled platforms allow you to match a Cat gas engine to your job needs.





Built for Performance. Fueled by Innovation.

Your most demanding applications demand the most reliable power. Cat engines and power systems are the most advanced engines available, yet they remain easy to operate, simple to maintain, and cost-effective over a long, reliable life.

For more information on the platform that best fits your jobsite needs, contact your Cat dealer or visit cat-industrial.com today.

BUILT FOR IT.™