



SUPPORT. ON A WHOLE NEW LEVEL.



56 - 75 kVA Diesel Generator Sets
Powered by Cat[®] C3.3 Engine

BUILT FOR IT.™



READY-TO-RUN DEPENDABLE POWER



FILTERS

Cartridge-type, industrial-quality air filters and canister-type oil and fuel filters are easily replaceable which means easier service.

CONTROL PANEL

Standard EMCP 4.1 control panel is fully equipped with all necessary engine gauges, AC meters, protective relays, and warnings for most installations. Optional EMCP 4.2 is available for additional functionality.

WIRING

DC-engine wiring and AC-generator wiring are separated to allow for added safety and contained within individual fluid resistant looms to ensure reliability. Each loom terminates at the control panel with industrial-grade multi-pin connector for ease of service. Mechanically held plug and socket attachments provide fast, convenient inspection and replacement of systems. Looms are "keyed" to prevent incorrect installation when service is required.

CIRCUIT BREAKERS

Fully rated mainline circuit breaker housed in vibration-isolated sheet steel enclosure, with removable cover plate, mounted integrally with generator set. Oversized electrical stub-up area is located directly below circuit breaker and can be terminated both vertically and horizontally which provides installation flexibility.

VOLTAGE REGULATOR

Fully sealed regulator accurately maintains load voltage at $\pm 0.5\%$ from no load to full load providing a steady voltage level which is important for any associated sensitive equipment.



The 56 - 75 kVA power range provides the full Caterpillar offering from the industry leading Cat engine (C3.3) through to the EMCP 4.1 control panel, to deliver all the durability and reliability you need.

Choose from prime power or standby service, available with a wide range of configurations and variety of options.

RUNNING TIME

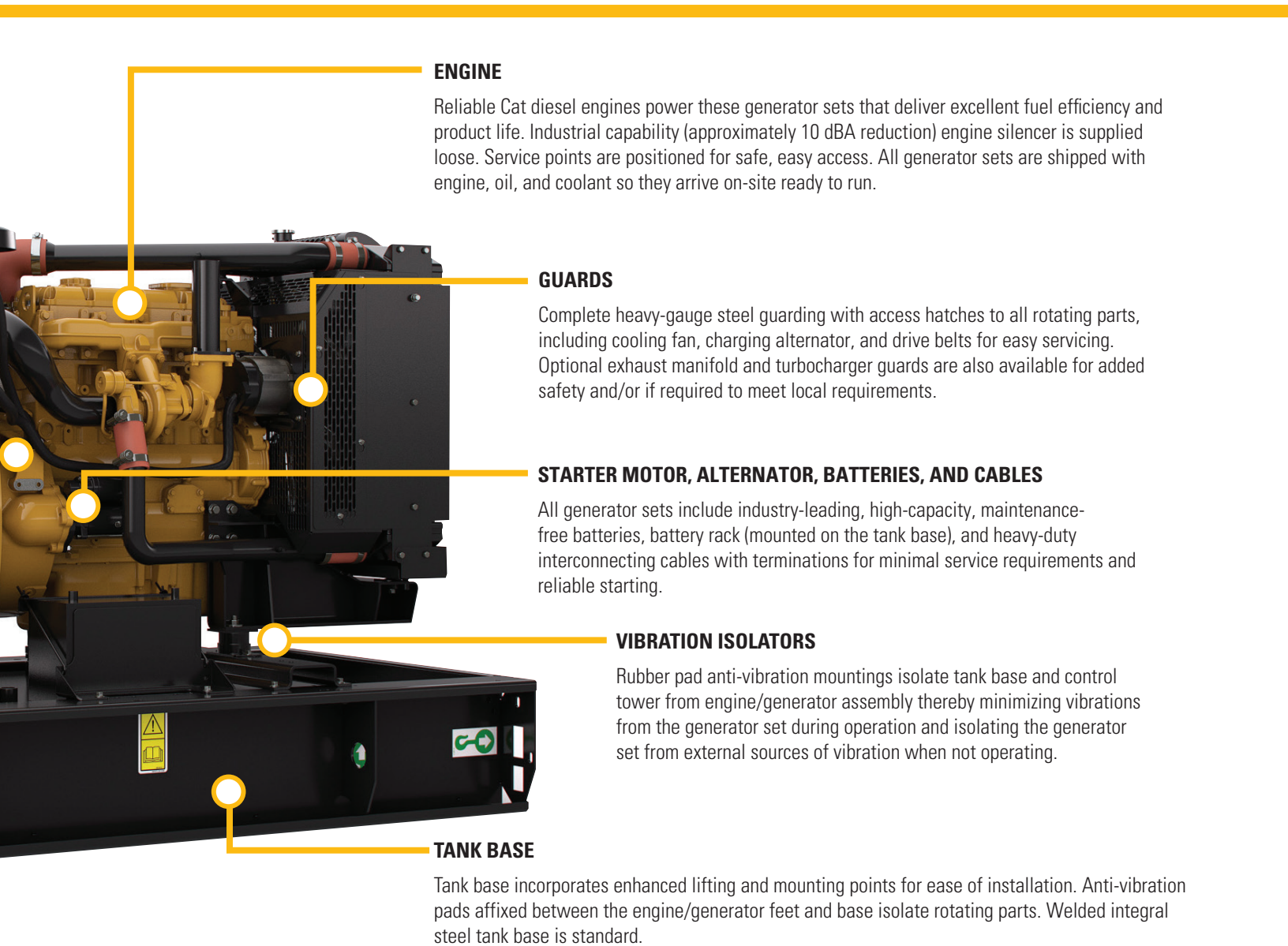
Our fuel tanks provide a minimum of eight hours of performance at 100 percent of the rated load in prime applications which allows operations to continue for an entire work shift or for the duration of most outages without interruption.

MODULAR DESIGN

In segmenting our generator sets into smaller modular parts, customers can easily upgrade their generator set to better meet their specific needs and/or local requirements.

INSTALLATION FOOTPRINT

Smaller, more compact, generator sets mean lower installation costs and less required space.



ENGINE

Reliable Cat diesel engines power these generator sets that deliver excellent fuel efficiency and product life. Industrial capability (approximately 10 dBA reduction) engine silencer is supplied loose. Service points are positioned for safe, easy access. All generator sets are shipped with engine, oil, and coolant so they arrive on-site ready to run.

GUARDS

Complete heavy-gauge steel guarding with access hatches to all rotating parts, including cooling fan, charging alternator, and drive belts for easy servicing. Optional exhaust manifold and turbocharger guards are also available for added safety and/or if required to meet local requirements.

STARTER MOTOR, ALTERNATOR, BATTERIES, AND CABLES

All generator sets include industry-leading, high-capacity, maintenance-free batteries, battery rack (mounted on the tank base), and heavy-duty interconnecting cables with terminations for minimal service requirements and reliable starting.

VIBRATION ISOLATORS

Rubber pad anti-vibration mountings isolate tank base and control tower from engine/generator assembly thereby minimizing vibrations from the generator set during operation and isolating the generator set from external sources of vibration when not operating.

TANK BASE

Tank base incorporates enhanced lifting and mounting points for ease of installation. Anti-vibration pads affixed between the engine/generator feet and base isolate rotating parts. Welded integral steel tank base is standard.

ENGINEERED TO ENDURE.

The selection of sound-attenuated enclosures for the 56 - 75 kVA power range all deliver superior durability, security, and convenience.

Built to endure, these enclosures are manufactured with corrosion-resistant galvanized steel components and are finished with scratch- and rust-resistant powder coated paint along with high-grade thermoplastic components, which are weather resistant and UV stable.

For safety and security, the control panel viewing window and access doors for the fuel fill and battery are lockable.

Installation and service are made easy with oversized hinged or lift-off doors, excellent cable access, purpose-designed drag points in the base, and a single-point lifting eye.

NOISE ABSORPTION AND SOUND ATTENUATION

Noise absorbent materials help make our sound attenuated generator set enclosures among the quietest on the market. Smart design minimizes noise breakout for sound levels that are typically less than 70 dBA@7 meters.

INTERNAL EXHAUST SILENCER SYSTEM

The internal silencer system enhances generator set safety, aesthetics, and silencer life on the full range of enclosures for our 56 - 75 kVA generator sets.

CONVENIENT ACCESS

To allow for faster, easier maintenance, all regularly serviced parts are located on one side and covered by oversized hinged or lift-off doors. A tower control with a full height hinged door and removable gland plate allows full access to cable from both vertical and horizontal directions. Fuel pipe installation is through dedicated access holes located on the side wall of the base tank which greatly simplifies installation. Base frame drag points and an internal single-point lift allow for easy handling.

CORROSION & DAMAGE RESISTANCE

The 56 - 75 kVA range also features zinc phosphate and polyester powder coating. This range of enclosures have air handling units and corner posts (Level 2 only) made from UV stable thermoplastic, a non-corrosive, robust material, providing additional protection against the elements and during transit. All enclosures for this range have a base frame that is designed to overhang around the enclosure for maximum protection against handling damage.



WHEN IT COMES TO PROVIDING YOU WITH DEPENDABLE POWER, CATERPILLAR HAS GOT IT COVERED. . .

With four years Extended Service Coverage offered on every generator set in the 56 - 75 kVA range, you get all the durability and reliability you need, with unrivaled support built-in.

56 - 75 kVA SOUND ATTENUATED LEVEL 1 ENCLOSURE

Offering a cost effective, robust and secure enclosure with competitive sound attenuation (63 - 72.6 dBA for 50 Hz models at 7m / 67.2 - 73.2 dBA for 60 Hz models at 7m) this is one of the options available for models within the 30 - 220 kVA range of generator sets.



Providing reliable energy solutions for every kind of business, the 56 - 75 kVA power range is designed, engineered and manufactured for optimal performance – even in the most demanding conditions – to deliver dependable, clean, economical power.

Backed with a promise, every standby generator set comes with four years Extended Service Coverage (ESC), protecting your initial investment and providing peace of mind. Also available as an option for prime powered applications, your ESC provides additional protection throughout and beyond your Caterpillar warranty period and is fully extendable and flexible to meet your ongoing needs, for a lifetime of support.

Committed to your success, your local Cat dealer is always on hand to provide a comprehensive suite of full lifecycle services beginning with the prompt delivery of your ready-to-run generator set.



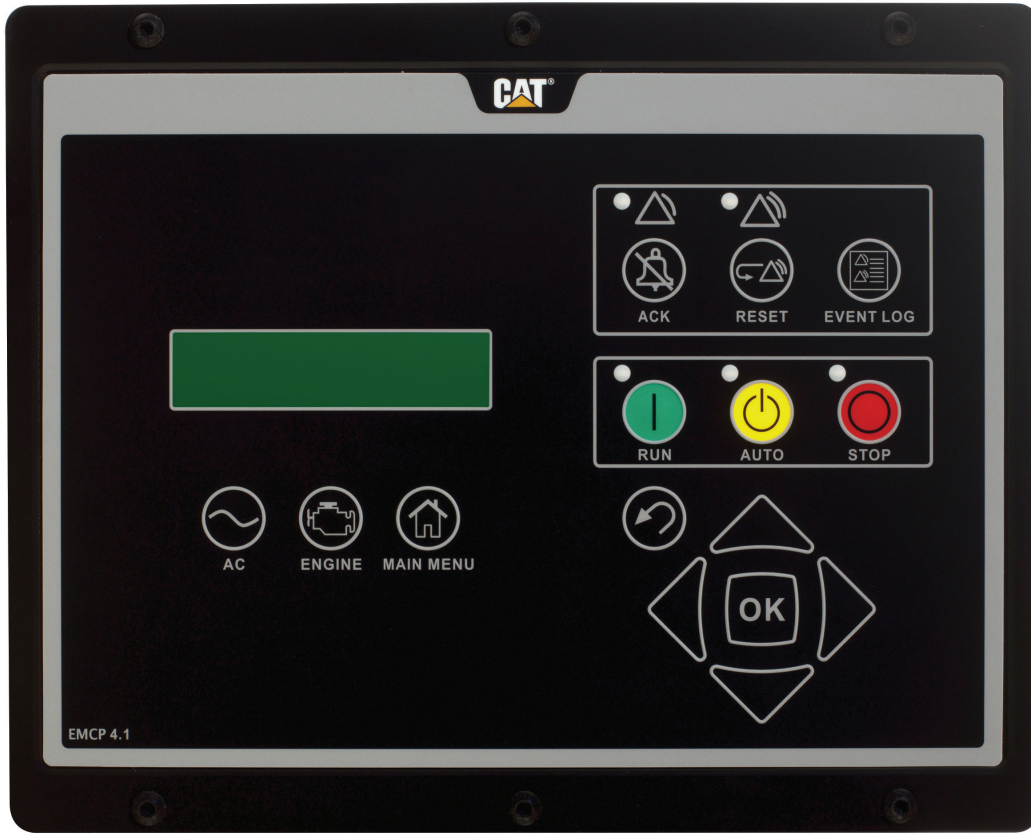
Generator Set Model	Feature Code	Voltage Code	Prime		Standby		Length		Width		Height		Weight	
			(kVA)	(kW)	(kVA)	(kW)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(kg)	(lb)
DE56AE0	C03DG70	50H0380	45	36	49	39	1680	66.1	760	29.9	1333	52.5	814	1795
	C03DG71	60H0220	50	40	56	45								
	C03DG72	60H0208	50	40	56	45								
DE75AE0	C03DG73	50H0380	60	48	65	52	1680	66.1	760	29.9	1333	52.5	811	1788
	C03DG74	60H0220	68	55	75	60								
	C03DG75	60H0208	68	55	75	60								

Standard Features

- Engine lubricating oil
- Air cleaner with single disposable element
- EMCP 4.1 control panel
- Radiator and cooling fan with guards
- Coolant drain line with valve
- Oil drain line with valve
- Cat Extended Life Coolant
- Base, formed steel with single-wall integral 8-hour fuel tank
- 12V battery with rack & cables
- IP23 protection for generator
- 3-pole circuit breaker
- Industrial silencer (10 dBA)

Optional Features

- Extended Service Coverage
- Sound attenuated Level 1 enclosure (galvanized)
- CE Certification
- EMCP 4.2 control panel
- Skid base for open and Level 1 enclosed generator sets
- Residential silencer (25 dBA)
- Coolant heater
- Low coolant level shutdown
- Low fuel level alarm
- Neutral Earth Link
- Static battery charger



CAT CONTROL PANEL OFFERINGS

Our EMCP 4.1 control panel provides AC metering, protective relaying as well as engine and generator control and monitoring. Our EMCP 4.2 control panel offers you the same plus optional instrumentation, shutdowns/alarms, and state-of-the-art communication for remote monitoring and control — commanding up to eight generator sets with one virtual computer screen control panel.

Each has the modular flexibility of being easily interchanged, with similar dimensions and hardware. The EMCP 4.2 also allows for open protocol communication to ensure remote monitoring compatibility with most building management or supervisory control systems.

EMCP 4.1
Digital control panel with advanced protection

EMCP 4.2
Digital control panel with advanced protection and remote communications



We're here to provide dependable power for all your operations. Your Cat dealer is equipped with a full range of products, services, and invaluable expertise to keep the generator set you trust today the one you trust 20 years from now.

To find your nearest dealer, go to www.cat.com



Learn more at cat.com

*Contact your local Cat dealer for complete specifications.

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