

Our energy working for you.™

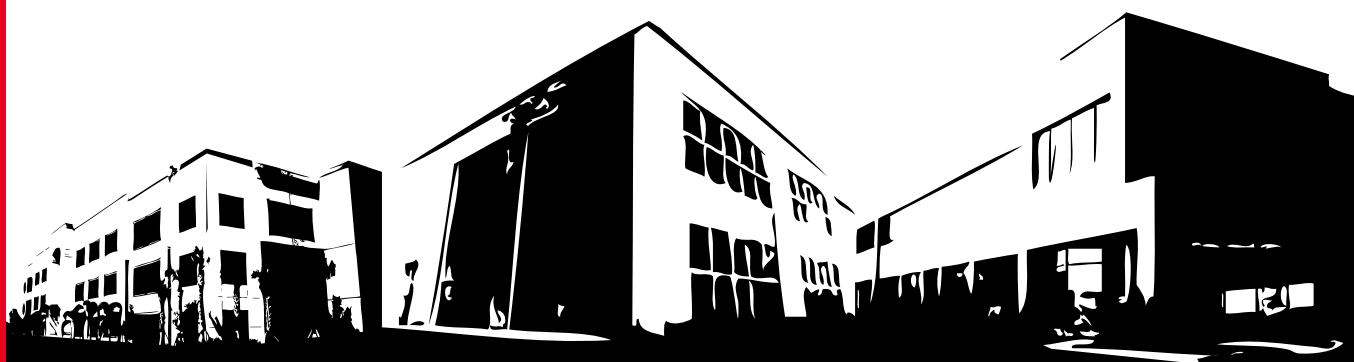


**Power
Generation**

Residential and Light Commercial

Solving all your power needs the **Cummins** way

Reliable Systems ■ Dependable People ■ Local Service



Cummins Power Generation

A Cut Above The Rest

Suitable For Residential and Commercial Use

Power outages can have serious consequences. For example, most heating systems, including those that use oil and natural gas, now depend on electricity to work. In addition, many homes now have medical equipment that requires electricity. Of course, almost no business can operate without power, and downtime is expensive.

Reliable standby and prime power systems can benefit both your home and your business in a myriad of ways. Not only do these systems protect you from the serious consequences of losing power, it also pays for itself in as little as one outage. Here at Cummins Power Generation, we offer a complete line of prime and standby power solutions for homes and businesses, such as:

- Homes, Condominiums, Apartment Complexes
 - Small Office Buildings
 - Banks
 - Convenience Stores
 - Agricultural Enterprises
 - Retail Stores
 - Restaurants
- Hotels, Motels
 - Hospitals, Medical/ Dental Clinics
 - Shopping Malls
 - Gas Stations
 - Public Buildings
 - Light Industries

Availability

Immediate Availability: A Strategic Choice

Cummins Power Generation’s consistency in product availability has established us as the most strategic choice available in today’s genset industry.

Cummins and our channel partners now stock gensets that comprise the most common regional specifications in the range of 8-200kVA, including Automatic Transfer Switches. This inventory is designed to capture any impromptu sales, effectively imprinting the Cummins Power Generation brand into the minds of users with our efficiency and accessibility.

How We Build Quality Products

Designing, producing, and delivering high quality and reliable products have always been an important commitment here at Cummins. To achieve this purpose, we at Cummins utilize Six Sigma, a business improvement tool that uses data-based analysis to identify defects and variation in a wide range of manufacturing and business processes. It is used in every part of Cummins’ business everywhere in the world, creating a common language to solve problems, and develop new products and processes.

It is what helps us identify the exact needs of our clients, allowing us to go the extra mile to provide the best possible solutions for your power requirements. This global practice ensures that our customers will always have the best quality products, allowing them to confidently buy Cummins products from any of our plants around the globe.

Power Suite™

Power Suite™ is Cummins Power Generation’s web application that is used for sizing and applying on-site power systems. With Power Suite™ 5.0, the latest version of the application will allow users to receive real-time updates on product and performance data in multiple languages and can collaborate on projects with other users.

The application consists of three components: GenSize™, the Transfer Products Selector tool and the Power Suite™ Library. **GenSize™** gives users instant results on which product would be suitable for their selected project based on the specifications. **The Transfer Products Selector** tool recommends a Cummins Power Generation transfer switch that will meet the needs of the user’s project, delivering a complete power system from a single-source provider.

These two components are integrated into the Power Suite™ Library which gives users direct access to the necessary product documentation, including product specs, data sheets, drawings and other relevant technical files. The library allows users to store files within the application. These files can be printed later or delivered electronically as a zip file.

Request a free account at powersuite.cummins.com

Codes that matter

As we move forward to achieve our goal to remain cutting edge in the power market, several of our products now confirm to the following codes and standards:

	All low voltage models are CSA certified to product class 4215-01.		This generator set is available with CE certification.
2000/14/EC	All enclosed products are designed to meet or exceed EU noise legislation 2000/14/EC step 2006.		The Gas generator set is available listed on UL2200 Stationary Engine Generator Assemblies.
ISO8528	This generator set has been designed to comply with ISO8528 regulation.	AS 3000	AS/NZS 3000:2007 Electrical Installations
	This generator set is designed in facilities certified to ISO9001 and manufactured in facilities certified to ISO9001 or ISO9002.	IEC	International Electrotechnical Commission
		NEMA	National Electrical Manufacturers Association



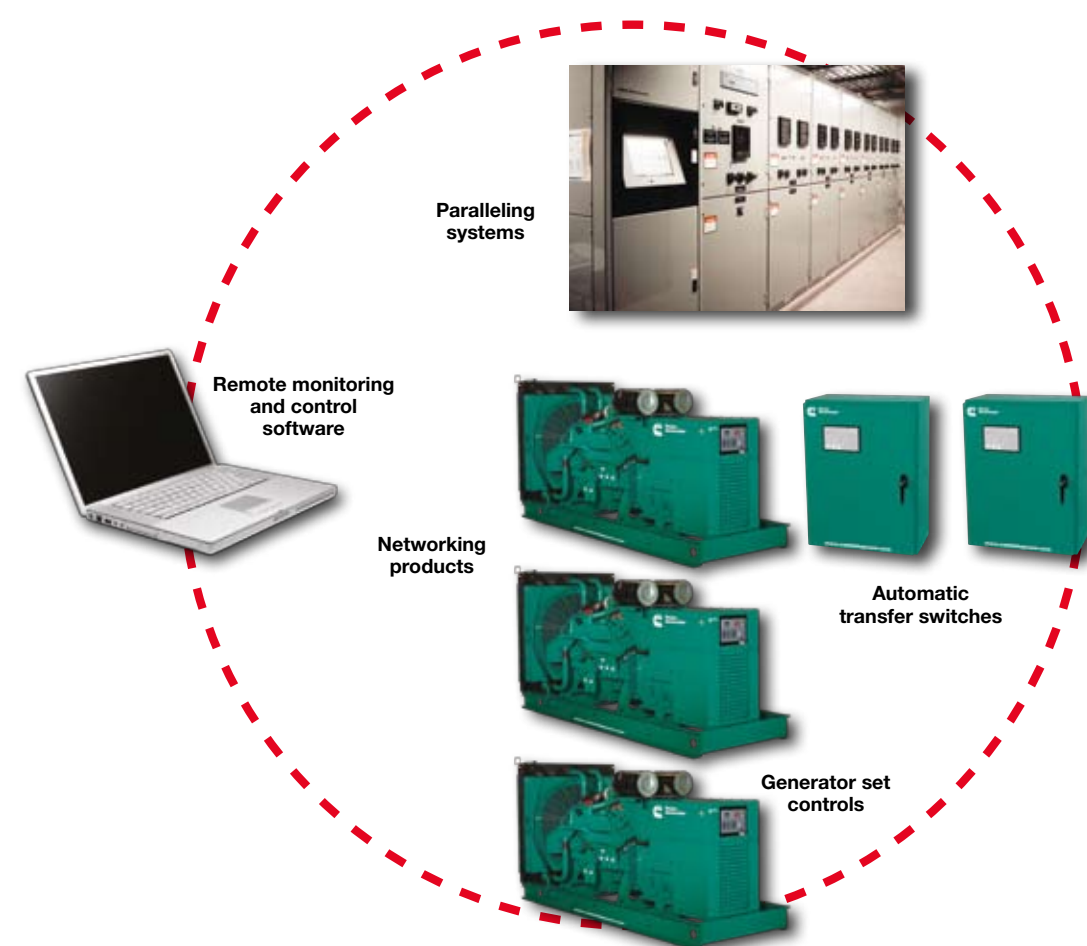
Cummins Power Generation

Global Power Leader

With 90 years experience in power generation we can match the right generating, transfer and control technologies with your power needs – be it continuous, prime, peaking, standby, cogeneration or a complete turnkey power plant.

Our global network of 600 distributions and 6000 sales and service outlets across 190 countries guarantees a face-to face relationship whenever our products are operating, providing you with fast access to reliable service, engineering expertise and parts support.

Total Solutions Provider



Cummins Power Generation is a world leader in the design and manufacturing of pre-integrated generator sets, ranging from 8 kVA to 3300 kVA. All major components – engine, alternator, transfer switches and control systems – are designed and manufactured by Cummins. Because they are designed by one manufacturer, all of the elements of our power generation systems work in harmony from the start. This integral approach – what we call the Power of One™ – gives you the peace of mind that comes from premium customer support and reliable, trouble-free operation.

What Makes Us Different?

Cummins Power Generation is more than just innovative technologies meeting your needs. The key difference is our people who live by a simple set of rules called “The Three Rs”.

Relationships:

At Cummins you are in touch with real people you can trust and rely on. Wherever and whenever you need us, we'll be there for you.

Reliability:

When you need real power you can depend on us to deliver unrivaled reliability. We do what we say we will, and more. We keep our promises.

Responsiveness:

We guarantee same-day answers, turnkey solutions, quick delivery, split-second start-up and a phone that is answered 24 hours a day, 7 days a week.

Find Peace Of Mind With Standby and Prime Power From Cummins

Cummins designs and builds complete power systems. In fact, we are a total solutions provider who offers a comprehensive set of systems and services to safeguard hospitals, airports, data centers, banks, water supplies and other critical facilities around the world. We have been a leader in providing efficient power generation products and systems for over 70 years.

Why Cummins Is The Best Choice:

- Quality engineering
- Reliability and durability
- Unique product features for convenience and easy use
- Industry-leading sound attenuation
- Emissions leadership with superior fuel efficiency
- Integrated solutions from one provider
- Largest network of factory-trained service technicians in the industry
- Broad range of features and accessories



- Low total cost of ownership over the life of the system.
- Best power quality proven by independent testing of four leading residential standby generator brands

Technology Leadership In Power Generation



Cummins generators are powered by heavy duty Cummins engines, high performance and low reactance Cummins alternators, cooling systems to perform in high ambient temperatures, fully integrated microprocessor-based control system to provide you the high quality electrical performance.

The Acoustical Testing Center (ATC), located at the of Cummins Power Generation in Fridley, Minnessota, US, is the largest engine / generator testing facility of its kind in the world. It is 23,000 sq ft of total building, being 13,000 sq ft of Hemi-Anechoic test area fully capable of testing generator sets up to 3.3MW.



Case History

Laemthong Farm



WHERE:
Laemthong Farm, Ayuddhaya-Nakornrachasima, Thailand

WHAT:
Prime & standby generator systems:

- One 11 kVA model C11D5 (Cummins engine X1.3G1)
- Twenty 16.5 kVA models C17D5 (Cummins engine X2.5G2)

PURPOSE:
To provide reliable power products and support for operations at the poultry farm.

PRIMARY CHOICE FACTORS:
Cummins Power Generation's ability to supply quality equipment that can integrate with customer's existing systems, meet customer's budget in terms of equipment and maintenance costs, make timely delivery and provide efficient after-service support with value-add services.

Cummins Power Generation Improves Power Provisions at Laemthong Poultry Farm

Laemthong Farm, located in Ayuddhaya-Nakornrachasima, Thailand, is part of the Laemthong Farm Co Ltd farm chain. Its head office is situated in Phyathai, Bangkok. The company provides a host of agricultural products and

services for Agriculture, Horticulture, Fisheries and Forestry industries.

Laemthong Farm forms part of the privately listed company business chain, specializing in agricultural services that looks after farms and livestock, and specifically looks after the growth and provision of chickens.

It is the subsidiary company of Laemthong Sahakarn Corporation, one of the top five key players in Thailand, in the agricultural and farm management sectors.

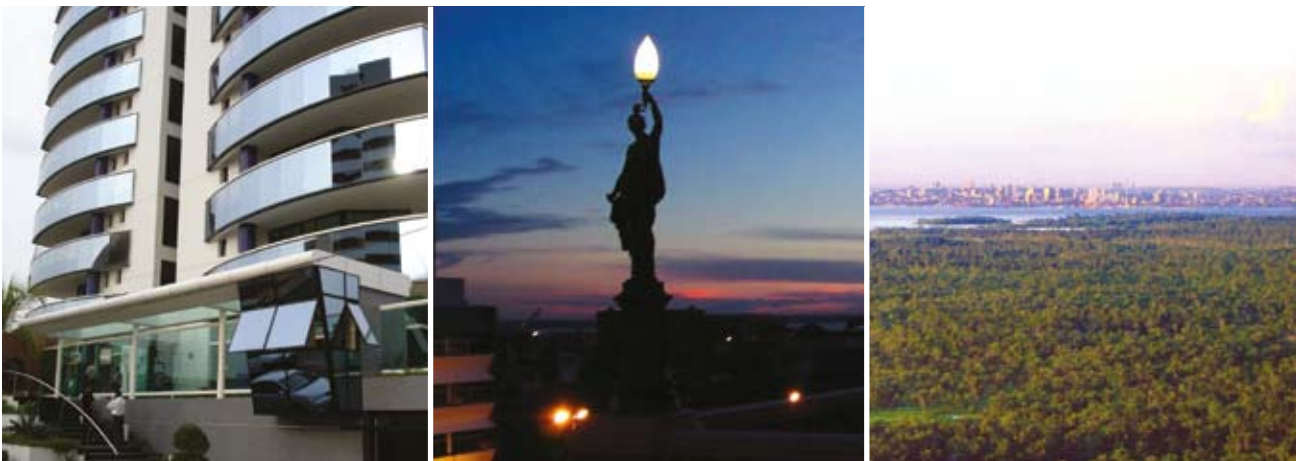
Poultry farm management, production of chicken feed pig mill plants, and food processing in the cold storage of chicken and pork form its core business. The company has 20 farms countrywide supported by a staff strength of 3,000.

Four types of Cummins genset systems were used in the farm's power upgrades, two of which came from the prime and standby power systems range. The engines used comprised one 8 kW C11D5 genset, twenty 13 kW C17D5 gensets, one 440 kW C550D5E genset and three 1MW standby C1250D5A gensets.

Not only did the installed gensets help the farm achieve their desired power specifications, they also helped reach higher efficiency levels in fuel consumption.

Case History

The Chopin Building



WHERE:
The Chopin Building located in the city of Manaus.

WHAT:
One 260 kVA model C200-D6-4 (Cummins engine 6CTAA8.3-G1).

PURPOSE:
To ensure the continuity of power supply in Chopin and the welfare and safety of its residents.

PRIMARY CHOICE FACTORS:
Cummins Power Generation's ability to provide quality products, reliable service and versatility in installing the selected system into a small space.

Rapidly Expanding City Relies on Cummins Power Generation for Unending Energy Supply

A simple city where history and modernity come together in a harmonious blend, Manaus, Brazil, has grown and changed remarkably. The city has seen major investments from the private sector spread through all six of its geographical areas.

In catering to the housing needs of an ever-increasing population, Cristal Engenharia (a luxury building developer since 1998) launched a new residential building – Chopin at Conjunto Vieirals in Manaus. In a bid to ensure continuous and

reliable power supply to Chopin, Cristal chose Cummins Power Generation for its trusty power generator systems.

The 260 kVA, 60 Hz Cummins C200-D6-4, which comes equipped with a Cummins engine (model 6CTAA8.3-G1) and a Newage alternator, was the genset of choice to be installed in the Chopin. The system is designed for operation under standby/emergency regimens with an automatic load transfer system. The installation was done in a room with noise attenuation.



Case History

Likuliku



WHERE:

Malolo Island, Fiji

WHAT:

Prime power system comprising three C250D5B generator sets

PURPOSE:

To provide a reliable power supply for facility operations at Likuliku Lagoon Resort

PRIMARY CHOICE FACTORS:

Cummins Power Generation’s ability to design and install ongoing power support that is effective, quiet, fuel-efficient, easy to control and maintained; further complemented with a proficient round-the-clock aftersales service.

Cummins Power Generation powers Fiji’s picture-perfect paradise

In the middle of the Mamanuca archipelago is one of Fiji’s most luxurious travel destinations for couples – the Likuliku Lagoon Resort, which sits in a turquoise lagoon of unparalleled beauty and tranquillity.

Establishing the power support for the remote Likuliku Resort has been anything but calm for the management team at Ahura Resorts Group. The three older generators that were originally installed were noisy, erratic and regularly overheated and the resort frequently experienced outages, creating inconvenience and frustration for the staff and guests.

During this trying period, Ahura Group’s General Manager, Steve Anstey, and Group Engineer, Jason Philp began investigations for alternative power solutions. Recalling a prior good experience with Cummins’ prime power system at his previous workplace, Jason made the recommendation based on his positive experience and the Cummins Power Generation team was contacted to offer a solution to the problems being faced.

Upon a thorough site inspection, the Cummins Power Generation team opted to install three C250D5B generators and a Cummins DMC200 Digital Master Controller. Two of the three C250D5B generators installed will run to provide support for the higher daytime peak load, automatically reducing to a single set in off peak times when one generator’s capacity is sufficient. The third generator automatically kicks in during standby, creating an overall system where no one unit is burdened with excessive usage.

Each genset is equipped with an oil reserve that enables the service interval to be extended from 250 to 500 hours, further reducing potential downtime.

Not only was the replacement power system up and running within the planned schedule, the Cummins team was professional in their service and went out their way to provide extensive aftersales monitoring and support after the system installation, ensuring that the island paradise will continue to calmly captivate its guests for many years to come.

Asia Pacific Expertise

Providing quality support and performance in the Asia Pacific region

On top of being a leader in the world’s power industry, Cummins is also recognised as an unparalleled power systems provider in the Asia Pacific region. This is clearly demonstrated through the successful completion of projects Cummins Power Generation has worked over time.

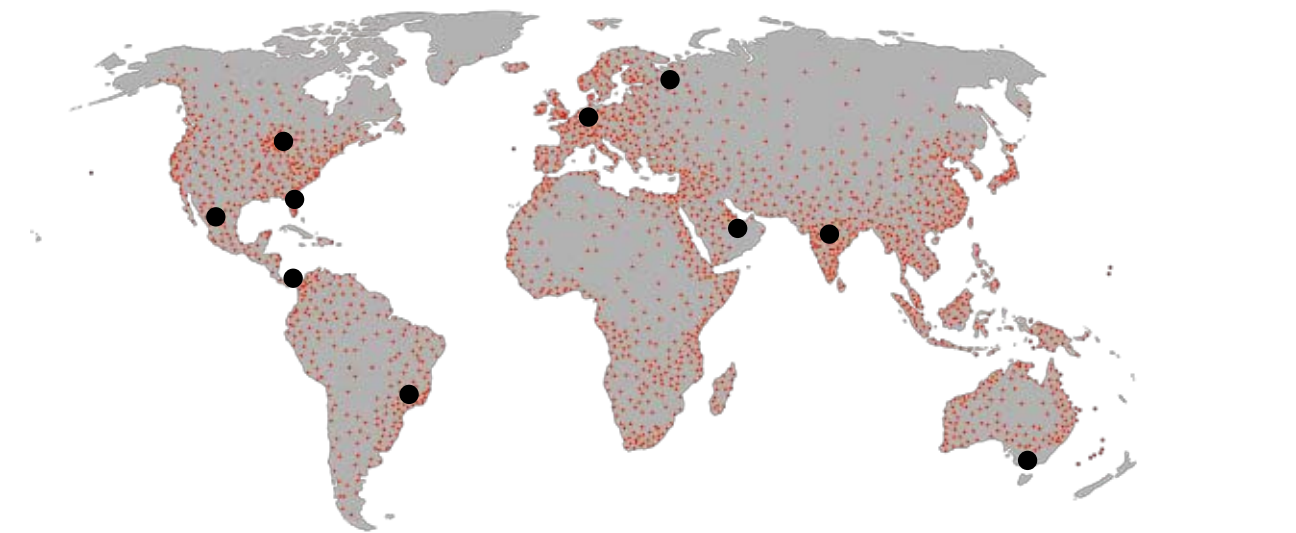
A good example is Cummins’ work with the Big C hypermart in Vietnam. Cummins was chosen for its cost-effectiveness, advanced technology and excellent after-market service. Cummins has also worked with the Four Seasons Resort in Koh Samui and the Phyathai Hospital in Bangkok, both in Thailand. In both projects, superior product performance and good customer support were the key factors that propelled the respective companies to choose Cummins Power Generation. Cummins’ successes with these projects also showcase the company’s ability to provide customized power solutions that suit the varying needs of each customer, regardless of the requirements.

Customer Success. Every Time.

One of the major factors that has propelled Cummins Power Generation forward as a key player in the power industry is its excellent customer support. In an effort to boost customer support excellence (CSE), Cummins has introduced a Management Review Group (MRG) to guide and monitor the Cummins CSE effort in its entirety. There are also a number of initiatives in place that help our employees understand, strengthen and go the extra mile to uphold our customer-focused approach and culture. At Cummins, we firmly believe that it is our customers who contribute to our daily successes. This is our way of saying Thank You.

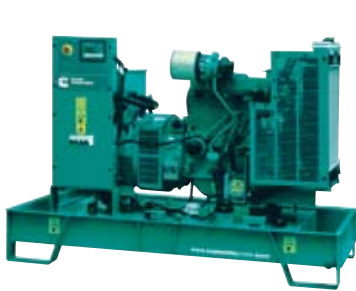
Global Company, Local Support

- 40,000 employees in 190 countries
- 88 manufacturing facilities
- 19 technical centers
- 6,500 sales and service locations
- 20 parts distribution centers
- 600 distributors
- 10 warehouses



Generator Sets

Diesel Open



C55 D5



C90 D5



C175 D5e

50Hz Model	Standby Ratings		Prime Ratings		Engine Model	Alternator Model	Controller Model	Dimensions* L x W x H (mm)	Weight Dry / Wet* (Kg)	Tank* (L)
	KVA	KW	KVA	KW						
C17 D5	16.5	13	15	12	X2.5-G2	PI044G	0500	1667 x 930 x 1224	418 / 582	150
C22 D5	22	17	20	16	X2.5-G2	PI144D	0500	1667 x 930 x 1224	418 / 582	150
C28 D5	27.5	22	25	20	X2.5-G4	PI144E	0500	1667 x 930 x 1224	442 / 605	150
C33 D5	33	26.4	30	24	X3.3-G1	PI144G	1.1	1753 x 930 x 1240	710 / 875	175
C38 D5	38	30.4	35	28	X3.3-G1	PI144H	1.1	1753 x 930 x 1240	745 / 910	175
C44 D5	44	35.2	40	31.7	S3.8-G4	UCI224C	0500	2115 x 1044 x 1518	945 / 1105	150
C55 D5	55	44	50	40	S3.8-G6	UCI224D	0500	2115 x 1044 x 1518	955 / 1120	150
C66 D5	66	52.8	60	48	S3.8-G7	UCI224F	0500	2115 x 1044 x 1518	1005 / 1165	150
C90 D5	90	72	82	65.6	6BTA5.9-G5	UCI224G	1.2	2268 x 1100 x 1575	1244 / 1555	350
C110 D5	110	88	100	80	6BTA5.9-G5	UCI274C	1.2	2268 x 1100 x 1575	1263 / 1574	350
C150 D5	150	120	136	109	6BTAA5.9-G6	UCI274E	1.2	2537 x 1090 x 1846	1635 / 1650	448
C170 D5	170	136	155	124	6BTAA5.9-G7	UCI274F	1.2	2537 x 1090 x 1846	1635 / 1650	448
C175 D5e	175	140	158	126	QSB7-G5	UCI274F	1.2	2656 x 1100 x 1658	1546 / 1572	464
C200 D5e	200	160	182	146	QSB7-G5	UCI274H	1.2	2656 x 1100 x 1658	1544 / 1670	464
C220 D5e	220	176	200	160	QSB7-G5	UCI274H	1.2	2656 x 1100 x 1658	1544 / 1670	464
C250 D5	250	200	227	182	6CTAA8.3-G2	UCI274J	1301	2686 x 1300 x 1547	1940 / 2000	376
C275 D5	275	220	250	200	QSL9-G5	UCD274K	1.2	3086 x 1360 x 1928	2295 / 2347	445
C300 D5	300	240	275	220	QSL9-G5	HC4D	1.2	3086 x 1360 x 1928	2346 / 2570	445
C330 D5	330	264	300	240	QSL9-G5	HC4D	1.2	3086 x 1360 x 1928	2346 / 2570	445

* Open generator set

60Hz Model	Standby Ratings		Prime Ratings		Engine Model	Alternator Model	Controller Model	Dimensions* L x W x H (mm)	Weight Dry / Wet* (Kg)	Tank* (L)
	KVA	KW	KVA	KW						
C12 D6	15	12	13	11	X2.5-G2	PI044G	0500	1667 x 930 x 1224	405 / 569	150
C16 D6	20	16	18	15	X2.5-G2	PI144D	0500	1667 x 930 x 1224	405 / 569	150
C20 D6	25	20	22	18	X2.5-G4	PI144E	0500	1667 x 930 x 1224	419 / 582	150
C30 D6	37.5	30	33.8	27	X3.3-G1	PI144G	1.1	1753 x 930 x 1240	710 / 875	175
C35 D6	43.8	35	40	32	X3.3-G1	PI144H	1.1	1753 x 930 x 1240	745 / 910	175
C40 D6	50	40	45	36	S3.8-G4	UCI224C	0500	2115 x 1044 x 1518	945 / 1105	150
C50 D6	62.5	50	56.3	45	S3.8-G6	UCI224D	0500	2115 x 1044 x 1518	955 / 1120	150
C60 D6	75	60	67.5	54	S3.8-G7	UCI224E	0500	2115 x 1044 x 1518	985 / 1145	150
C80 D6	100	80	91.3	73	6BTA5.9-G5	UCI224G	1.2	2268 x 1100 x 1575	1263 / 1574	350
C100 D6	125	100	113.8	91	6BTA5.9-G5	UCI274C	1.2	2268 x 1100 x 1575	1287 / 1598	350
C125 D6e	156	125	141	113	QSB7-G5	UCI274E	1.2	2656 x 1100 x 1658	1467 / 1506	464
C135 D6	169	135	153	123	6BTAA5.9-G6	UCI274E	1.2	2537 x 1090 x 1846	1635 / 1650	448
C150 D6e	188	150	169	135	QSB7-G5	UCI274F	1.2	2656 x 1100 x 1658	1546 / 1572	464
C175 D6e	219	175	200	160	QSB7-G5	UCI274H	1.2	2656 x 1100 x 1658	1544 / 1670	464
C200 D6e	250	200	225	180	QSB7-G5	UCI274H	1.2	2656 x 1100 x 1658	1544 / 1670	464
C225 D6	281	225	256	205	6CTAA8.3-G2	UCI274J	1301	2686 x 1300 x 1547	1940 / 2000	376
C250 D6	313	250	281	225	QSL9-G5	UCD274K	1.2	3086 x 1360 x 1928	2295 / 2347	445
C275 D6	344	275	313	250	QSL9-G5	HC4D	1.2	3086 x 1360 x 1928	2518 / 2570	445
C300 D6	375	300	344	275	QSL9-G5	HC4D	1.2	3086 x 1360 x 1928	2518 / 2570	445

* Open generator set

Generator Sets

Diesel Enclosed



C44 D5



C330 D5



C175 D5e



C28 D5

50Hz Model	Dimensions L x W x H (mm)	Weight Dry / Wet (Kg)	Sound level dB(A)*		Tank (L)
			1m	7m	
C8 D5	1460 x 886 x 1140	RTF / 596	69	58	100
C11 D5	1460 x 886 x 1140	RTF / 596	69	58	100
C17 D5	2082 x 930 x 1448	744 / 907	74	63	150
C22 D5	2082 x 930 x 1448	744 / 907	74	63	150
C28 D5	2082 x 930 x 1448	767 / 930	74	63	150
C33 D5	2242 x 967 x 1513	1070 / 1235	75	65	175
C38 D5	2242 x 967 x 1513	1105 / 1270	75	65	175
C44 D5	2600 x 1115 x 1795	1395 / 1525	77	68	150
C55 D5	2600 x 1115 x 1795	1410 / 1540	77	68	150
C66 D5	2600 x 1115 x 1795	1455 / 1585	77	68	150
C90 D5	3151 x 1142 x 1714	1944 / 2255	78	69	350
C110 D5	3151 x 1142 x 1714	1963 / 2274	78	69	350
C150 D5	3460 x 1090 x 2387	2390 / 2400	77	67	448
C170 D5	3460 x 1090 x 2387	2390 / 2400	79	67	448
C175 D5e	3900 x 1100 x 2072	2557 / 3160	77	69	464
C200 D5e	3900 x 1100 x 2072	2698 / 3301	77	69	464
C220 D5e	3900 x 1100 x 2072	2698 / 3301	77	69	464
C250 D5	3581 x 1360 x 2170	2700 / 3589	76	68	376
C275 D5	4254 x 1424 x 2215	3872 / 4511	77	69	445
C300 D5	4254 x 1424 x 2215	4095 / 4734	77	69	445
C330 D5	4254 x 1424 x 2215	4095 / 4734	77	69	445

* 75% load

60Hz Model	Dimensions L x W x H (mm)	Weight Dry / Wet (Kg)	Sound level dB(A)*		Tank (L)
			1m	7m	
C12 D6	2082 x 930 x 1448	730 / 894	75	65	150
C16 D6	2082 x 930 x 1448	730 / 894	75	65	150
C20 D6	2082 x 930 x 1448	744 / 907	75	65	150
C30 D6	2242 x 967 x 1513	1070 / 1235	78.6	69	175
C35 D6	2242 x 967 x 1513	1105 / 1270	78.6	69	175
C40 D6	2600 x 1115 x 1795	1395 / 1525	81	71	150
C50 D6	2600 x 1115 x 1795	1410 / 1540	81	71	150
C60 D6	2600 x 1115 x 1795	1435 / 1565	81	71	150
C80 D6	3151 x 1142 x 1714	1963 / 2274	79	70	350
C100 D6	3151 x 1142 x 1714	1987 / 2298	79	70	350
C125 D6e	3900 x 1100 x 2072	2343 / 2947	80	72	464
C135 D6	3460 x 1090 x 2387	2390 / 2400	82	73	448
C150 D6e	3900 x 1100 x 2072	2387 / 2991	79	71	464
C175 D6e	3900 x 1100 x 2072	2557 / 3160	NA	NA	464
C200 D6e	3900 x 1100 x 2072	2698 / 3301	NA	NA	464
C225 D6	3581 x 1360 x 2170	2700 / 3589	83	75	376
C250 D6	4254 x 1424 x 2215	3872 / 4511	80	72	445
C275 D6	4254 x 1424 x 2215	4095 / 4734	80	72	445
C300 D6	4254 x 1424 x 2215	4095 / 4734	80	72	445

* 75% load



PowerCommand controls provide reliable, cost-effective solutions for integrated digital paralleling.

Only generator sets from Cummins Power Generation are available with industry-leading PowerCommand controls. Standard features include not only integrated digital governing and voltage regulation, but also analogue and digital metering, digital engine monitoring systems, smart-starting systems, battery monitoring systems, AmpSentry™ true alternator protection and more.

Main Features	PowerCommand Generator Control						
	0500	1301	1.1/1.2	2100	2.2	3201	3.3
GENERAL							
AVR	-	•	•	•	•	•	•
Electronic Governing	-	•	•	•	•	•	•
Glow plug control	•	•	•	•	•	•	•
Cycle cranking	•	•	•	•	•	•	•
Full authority engine control	-	•	•	•	•	•	•
Networking (LonWorks)	-	-	-	•	-	•	-
Networking (ModBus)	-	•	•	•	-	•	-
Fault history	•	•	•	•	•	•	•
OPERATOR INTERFACE							
Manual start/stop	•	•	•	•	•	•	•
Auto/remote start	•	•	•	•	•	•	•
Exercise function	-	-	-	-	•	•	•
Auto LED	•	•	•	-	•	-	•
Not in Auto LED	•	•	•	•	•	•	•
Manual LED	•	•	•	•	•	•	•
Common Shutdown LED	•	•	•	•	•	•	•
Common Warning LED	•	•	•	•	•	•	•
Exercise LED	-	-	-	-	•	•	•
Emergency stop (local and remote)	•	•	•	•	•	•	•
Alphanumeric screen	•	•	•	•	•	•	•
Remote start input active led	•	•	•	•	•	•	•
Fault reset	•	•	•	•	•	•	•
MEASUREMENT & INSTRUMENTATION - ENGINE							
Oil Pressure	•	•	•	•	•	•	•
Oil Temperature	-	-	-	•	•	•	•
Water Temperature	•	•	•	•	•	•	•
Engine Speed	•	•	•	•	•	•	•
Hours Run	•	•	•	•	•	•	•
Number of Starts	•	•	•	•	•	•	•
Battery Voltage	•	•	•	•	•	•	•
Exhaust Temperature	-	-	-	-	-	•	-
MEASUREMENT & INSTRUMENTATION - ALTERNATOR							
3 Phase L-L & L-N Voltage & Frequency	•	•	•	•	•	•	•
3 Phase Current	•	•	•	•	•	•	•
kWh	-	-	-	•	•	•	•
Total kVA	•	•	•	•	•	•	•
Total kW & kVA	-	-	-	•	•	•	•
PF	-	-	-	•	•	•	•
Per Phase kVA, kW	-	-	-	•	•	•	•
Per Phase kVA	•	•	•	•	•	•	•
SHUTDOWN PROTECTION & INDICATOR							
Low Fuel Level	-	•	•	•	•	•	•
High Fuel Level	-	-	-	•	•	-	•
Low Oil Pressure	•	•	•	•	•	•	•
High Engine Coolant temperature	•	•	•	•	•	•	•
Failure to Crank Shutdown	•	•	•	•	•	•	•
Over Crank (Failure to Start)	•	•	•	•	•	•	•
Overspeed	-	•	•	•	•	•	•



PCC1301/PCC 1.1



PCC2100 with optional Bargraph fitted.



PCC3201



PCC 1.2/2.2



PCC 3.3

Main Features	PowerCommand Generator Control						
	0500	1301	1.1	2100	2.2	3201	3.3
SHUTDOWN PROTECTION & INDICATION - ALTERNATOR							
Under & Over Voltage	•	•	•	•	•	•	•
Under & Over Frequency	•	•	•	•	•	•	•
Overcurrent	-	•	•	•	•	•	•
Earth Leakage	-	•	•	•	•	•	•
Reverse Power	-	-	-	•	•	•	•
Reverse Var	-	-	-	•	•	•	•
THRESHOLD WARNING INDICATORS							
Low Oil Pressure	•	•	•	•	•	•	•
Low Engine Coolant Temperature	•	•	•	•	•	•	•
High Engine Coolant Temperature	•	•	•	•	•	•	•
Low Coolant Level	-	-	-	•	•	•	•
Low Battery Voltage	•	•	•	•	•	•	•
High Battery voltage	•	•	•	•	•	•	•
Battery Alternator Charge Fault	-	•	•	-	•	-	•
Over Current	-	•	•	•	•	•	•
Overload	-	•	•	-	•	-	•
PARALLELING CAPABILITY							
Auto Synchronizing (Isolated Bus)	-	-	-	-	-	•	•
kW & VAr Load Sharing Control	-	-	-	-	-	•	•
Auto Synchronizing (Utility Bus)	-	-	-	-	-	•	•
Base Load	-	-	-	-	-	•	•
Synchroscope	-	-	-	-	-	•	•
Peak Lopping	-	-	-	-	-	•	•
POWER TRANSFER FUNCTION							
Open Transition Transfer	-	-	-	-	-	•	•
Hard Closed Transition	-	-	-	-	-	•	•
Soft Closed Transition (ramping)	-	-	-	-	-	•	•
Transfer & Base Load (Utility)	-	-	-	-	-	•	•
Gen/Mains Breaker Control	-	-	-	-	-	•	•
Gen/Mains Breaker Status Protection	-	-	-	-	-	•	•
ENVIRONMENT							
Operating Temp. Range -40°C to +70°C	-	•	•	•	•	•	•
Operating Temp. User Interface -20°C to +70°C	•	•	•	•	•	•	•
Humidity up to 95% (non condensing)	•	•	•	•	•	•	•
CODES & STANDARDS							
CE Compliant	•	•	•	•	•	•	•
NFPA110	-	•	•	•	•	•	•
UL508 Listed	-	-	-	•	•	•	•
UL Certified	-	•	•	•	•	•	•
CONTROLLER INPUTS/OUTPUTS							
Digital Inputs (shutdown, warning or status)	1	2	4	4	4	4	4
Relay Outputs	1	2	2	4	4	4	4
Configurable Input/Output	-	•	•	•	•	•	•

• Standard • Option - Not Available

PowerCommand® automatic transfer switches communicate directly with the generator set controller, providing more reliable communication across the entire system.

PowerCommand automatic transfer switches feature microprocessor-based control technology for easy and reliable operation and robust, high-contact-force design to withstand thousands of switching cycles. Applications include utility-to-generator-set, utility-to-utility or generator-set-to-generator-set. Plug connections, door-mounted controls, ample access space and compatible terminal markings simplify access and service.

Cummins' automatic transfer switch offerings include the GTEC, OTEC and OTPC ranges.

The GTEC range of switches combines reliability and flexibility in a small, economical package. A powerful, economical AC solenoid operates GTEC transfer switches and a standard removable handle can be used to manually operate the switch after the power source has been properly disconnected. It is field-configurable for open or programmed transition, providing users with sync-check and backup options. The GTEC switches also come with exercise and test modes, and can also be manually operated upon proper disconnection from its power sources.

The OTEC range is designed for the operation and switching of electrical loads between primary power and standby generator sets. They are suitable for use in emergency, legally required, and optional standby applications. These switches contain a bi-directional linear motor actuator, which provides virtually friction-free, constant force, straight-line transfer switch action with no complex gears or linkages.

Designed for the operation and switching of electrical loads between primary power and standby generator sets, the OTPC range is suitable for use in emergencies and standby applications. The optically isolated logic inputs and isolation transformers, used in AC power input, provide high-voltage surge protection. This range makes communication easier as it is capable of connecting with other transfer switches, SCADA or Cummins gensets with LonWorks® protocol. In addition, the OTPC range boasts of an advanced transfer switch mechanism; its unique bi-directional linear actuator provides smooth, continuous transfer switch action during automatic operation.



Automatic Transfer Switches

Main Features	Automatic Transfer Switches		
	GTEC	OTPC	OTEC
Duty	Light	Heavy	Light
Amp Range	40 - 630	40 - 630	40 - 630
(Select the ATS to suit the largest-sized supply (amps) that will be applied to the ATS)			
Voltage Rating	up to 480 VAC	up to 600 VAC	up to 600 VAC
Phases	1 or 3	1 or 3	1 or 3
Frequency	50 or 60 Hz	50 or 60 Hz	50 or 60 Hz
Poles	2,3,4	3,4	3,4
Warranty	1 year	up to 10 years	up to 10 years
Operating Temperature Range (°C)	-30 to 60 °C	-40 to 60 °C	-40 to 60 °C
Open Transition	•	•	•
Closed Transition	-	-	-
Programmed Transition	•	•	•
Bypass Isolation - Open Transition	-	-	-
Bypass Isolation - Closed Transition	-	-	-
Bypass Isolation - Programmed Transition	-	-	-
Utility-to-Genset	•	•	•
Utility-to-Utility	-	•	-
Genset-to-Genset	•	•	-
Mechanical Interlock	•	•	•
Load Monitoring	-	•	-
WCR with Specified Circuit Breakers	25 - 65 kA	14-100 kA	14-85 kA
WCR with Current Limiting Fuses	25 - 65 kA	200 kA	200 kA
Manual Operation	Yes	Yes	Yes
Type of Control	Basic Micro	PCC L1	Basic Micro
Load Connected to Normal LED	•	•	•
Normal Source Available LED	•	•	•
Load Connected to Emergency LED	•	•	•
Emergency Source Available LED	•	•	•
Load AC Metering Bar Graph	-	•	-
Alphanumeric Display	-	•	-
Panel Security Lock	-	•	-
3-phase Voltage Sensing - Utility	•	•	•
3-phase Voltage Sensing - Generator	Single Phase	•	Single Phase
Electrical Isolation from AC - Mains	High Impedance	Transformer	High Impedance
U/V Voltage Sensing Utility	•	•	U/V Only
U/V Voltage Sensing Generator	U/V Only	•	U/V Only
Voltage Sensing Accuracy	+/-2%	+/-1%	+/-2%
U/V Frequency Sensing Utility	•	•	-
U/V Frequency Sensing Generator	U/F Only	•	-
Voltage Imbalance	-	Level 2 Cont	-
Phase Rotation	-	Level 2 Cont	-
Loss of Phase	-	•	•
Transfer Normal to Emergency (time)	0 - 300 secs	0 - 120 secs	0 - 300 secs
Re-transfer Emergency to Normal (time)	0 - 30 mins	0 - 30 mins	0 - 30 mins
Engine Start Delay (adjustable)	0 - 10 secs	0 - 120 secs	0 - 10 secs
Time Delay to Engine Stop	0 - 30 mins	0 - 30 mins	0 - 30 mins
Programmed Transition (time)	0 - 10 secs	0 - 60 secs	0 - 10 secs
Fail to Disconnect Timer (closed transition)	-	-	-
Time & Date-Stamped Event Log	-	•	-
Historical Data Display	-	•	-
Remote Monitoring/Communication	-	•	-
System Data Display	-	•	-
Elevator Signal Module	•	•	-
Load Sequencing	-	•	-
Fully-Programmable Exerciser Clock	•	•	•
Exercise Clock	•	•	•
Real-Time Clock	-	•	-
UL 1008	-	•	•
NEMA ICS10	-	•	•
IEC	•	-	-

• Standard • Option - Not Available



Accessories

Accessory kits support Cummins generator sets, as well as Transfer Switches and Controls. Upgrading and customizing your generator set with Cummins Power Generation Accessories offer you convenience, compatibility, and customer service.



Heavy Duty Air Filter

A two-stage air cleaner that removes 99.9% of the contaminants produced while performing at a rate of 15gr/CPM.



Dual Wall Fuel Tank

This storage tank is specially designed with a secondary containment, in case of a failure in the primary containment.



Fuel Tank Control

This control device offers reliable fuel transfer pump control and an automatic generator shutdown system to avoid trapped air in the injection system.



Battery Charger

12 or 24 VDC fully automatic, 4-stage charging cycle to achieve optimum battery life.



Engine Coolant Heater

When cold starting the engine, the efficient heater warms up the engine block to a temperature ranging between 80 - 100F.



Residential Muffler

The residential muffler reduces the sound attenuation level by 18-25dB(A) while the critical muffler reduces the sound attenuation level by 25-35dB(A).

Aftermarket



After-Sales Services

One of our proudest achievements lies in creating truly rewarding service experiences for those we value most – our customers. Every Cummins Power Generation customer is directed to a single point of contact as part of our aftermarket sales service offerings. This single contact point will help address all your service needs and requirements, creating easy accessibility for you.

Our global network of distributors and dealers offer Planned Maintenance Agreements (PMA), providing your business with an extra measure of protection with a complete, well-planned preventive maintenance program, which guarantees that your generator set protects your business from costly or event dangerous downtime. What sets Cummins apart is our technical support, which is available all day, every day, for all your needs, ensuring that your service experience is a truly memorable one.

What Is Infant Care and How It Serves You

Infant Care is a program that is in place to monitor all aspects of a newly released Cummins product. It was first established as a means to provide better service for all of Cummins' customers. Infant Care serves to protect customers by ensuring that parts, tools, training and information (PITTI) are readily accessible as part of a support package for Cummins' distribution/dealer channels.

The Infant Care team works to identify early product issues and this is done through proactively monitoring, reporting and analyzing returned parts and in assisting to resolve product issues quickly. Periodic communications are also issued so that the Factory and Field divisions are always aware of existing product issues and solutions. This helps drive quicker resolutions, making it easier for customers to get going.





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