

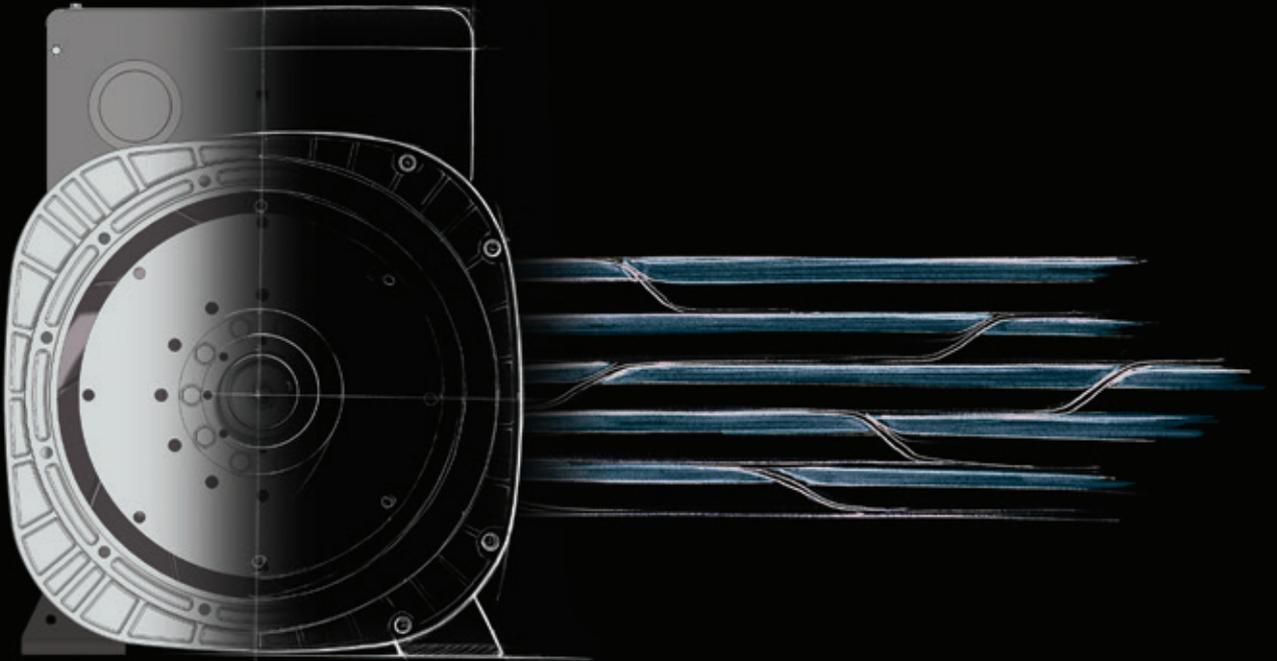
# C-TYPE

The next generation in power.



ALTERNATORS 1 - 5,000kVA  
LOW VOLTAGE | MEDIUM VOLTAGE | HIGH VOLTAGE

POWER FROM WITHIN



# Reimagining the heart of power delivery.

Drawing on over seventy years' experience in manufacturing the world's leading generators, Mecc Alte has questioned the very fundamentals of generator design. From specifiers to manufacturers and end customers, our radical new approach has led to product innovations that will benefit everyone.

We have reconsidered every aspect and variable to create a ground-breaking new family of generators.

The C-Type Series is a family of three core product lines with six to eight models in each, producing between 7.5kVA to 165kVA (50Hz) and 9kVA to 190kVA (60Hz). C-Type builds on Mecc Alte's leading design features and benefits from many years of continuous refinement – we are generators, nothing else. This generation of products has been driven by improvements that directly benefit you and your customers. By maximising performance, minimising assembly time and limiting lost operating time, the savings are very real.

The resulting host of improvements, in all aspects of performance and function, make Mecc Alte very proud to introduce the new C-Type Series.

More Powerful  
More Accessible  
More Configurable  
More Generator

## A range that breaks all the rules.

Power equipment manufacturers usually introduce small changes and improvements to their products from one year to the next. Unsurprisingly, machines in this industry have slow evolution and appear quite static in their design. We decided it was the right time to look at our products from the ground up; enough evolution, welcome to the revolution!

- Best standard specification industry-wide.
- Reduced size and weight without any compromise on power.
- Exceeding competitors by having MAUX and a digital AVR as standard, enhancing stability, control and value.
- Reduced time spent on manufacture and in your genset assembly.
- Driven by a forward-thinking approach to generator design.

# *C-TYPE*

ECP28 C

ECP32 C

ECP34 C



Efficiency is crucial for reducing energy costs, cutting operating costs and increasing life span.

## More Powerful.



**C-Type generators make the most of energy conversion to produce the maximum power-to-size ratio. This increased power density means that they really do punch above their weight!**

All C-Type generators have the advantage of the unique MAUX (Mecc Alte Auxiliary Winding) Power Boost System installed as standard. This enables every one of our C-Type generators to take an overload of >300% forced current for up to 20 seconds – perfect for motor starting requirements.

Rather than adding length and weight with a PMG (additional permanent magnet generator on the end of your generator), customers can use the appropriate C-Type for their needs, with smart sizing in fixed applications.

Connectivity possibilities are greater than ever, thanks to the C-Type's redesigned terminal board. Optional configurations can increase the number of terminal studs to suit your application meaning remote or simplified reconnections via series star to parallel star, or simplified reconnections. Both can be configured within the generator itself giving, C-Type unparalleled flexibility.

The result is a compact, efficient, lighter and more intelligent solution, all in a single package.

# ECP28 C



Easy to assemble so reducing the time to produce.

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Enhanced cooling increases the power density, giving more power whilst reducing the weight and size.

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Digital AVR as standard including software features, the recording of operating hours, alarms and conditions, intelligent soft start and digital voltage regulation.

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Unparalleled flexibility has been realised due to a redesigned terminal board and a high number of custom configurations.

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Available from 7.5kVA to 30kVA (50Hz) and 9kVA to 36kVA (60Hz) across eight models.

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MAUX Power Boost System.

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Efficiency is crucial for reducing energy costs, cutting operating costs and increasing life span.

## More Accessible.



**C-Type is now one of the simplest generators to assemble, integrate, configure and maintain with OEM equipment.**

C-Type is easier than ever to assemble, reducing your production times.

The generator does not compromise on performance with the addition of fresh new features. Special AVR access panels, using an easy flip hinge, allow for simple and safe adjustment. For the ECP32 C-Type, the drive end protection screen can be slid back for engine assembly rather than being removed totally.

It's a double-win for the end user and your operations team. C-Type's special AVR panels incorporate a quick-access flip hinge for rapid

adjustment. The panel itself has moved from its traditional position, front-facing on the driven side, to be side-facing on the non-driven side.

This overcomes potential access problems caused by obstructing engine parts or brackets, making access easy and keeping the AVR away from hot engine parts.

The left-side configuration can also be reversed to the right side, if required.

# ECP32 C



Easy to assemble so reducing the time to produce.

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The fan has been redesigned enabling cooler temperatures over longer periods.

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Brackets are now formed in aluminium contributing to better strength-to-weight ratio.

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Available from 37.5kVA to 82.5kVA (50Hz) and 45kVA to 99kVA (60Hz) across six models.

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A reduction in length means they now range from 560mm to 690mm across the six ECP32 models. Up to 17% lighter based on previous models.

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MAUX Power Boost System.

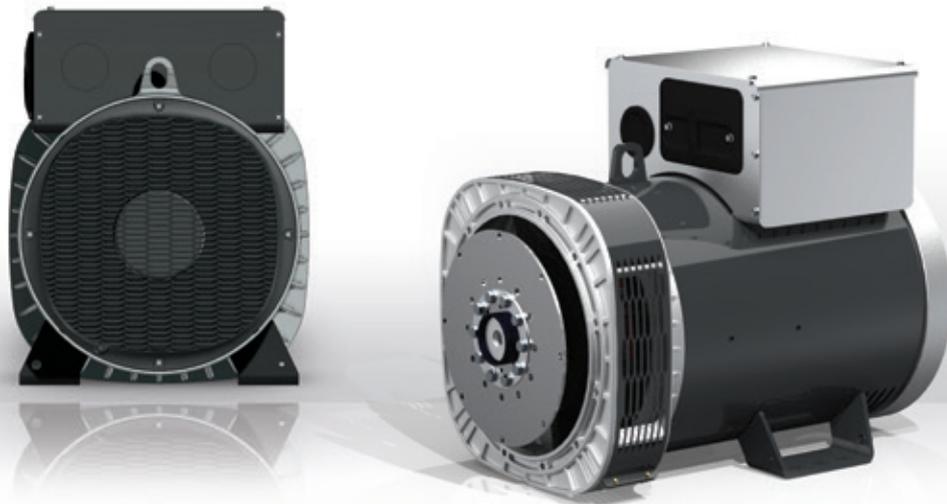
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Digital AVR as standard including software features, the recording of operating hours, alarms and conditions, intelligent soft start and digital voltage regulation.

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Efficiency is crucial for reducing energy costs, cutting operating costs and increasing life span.

# More Configurable.



**Our aim was to deliver maximum power from the smallest, lightest and strongest generators and our designers have lavished the C-Type with much more flexibility.**

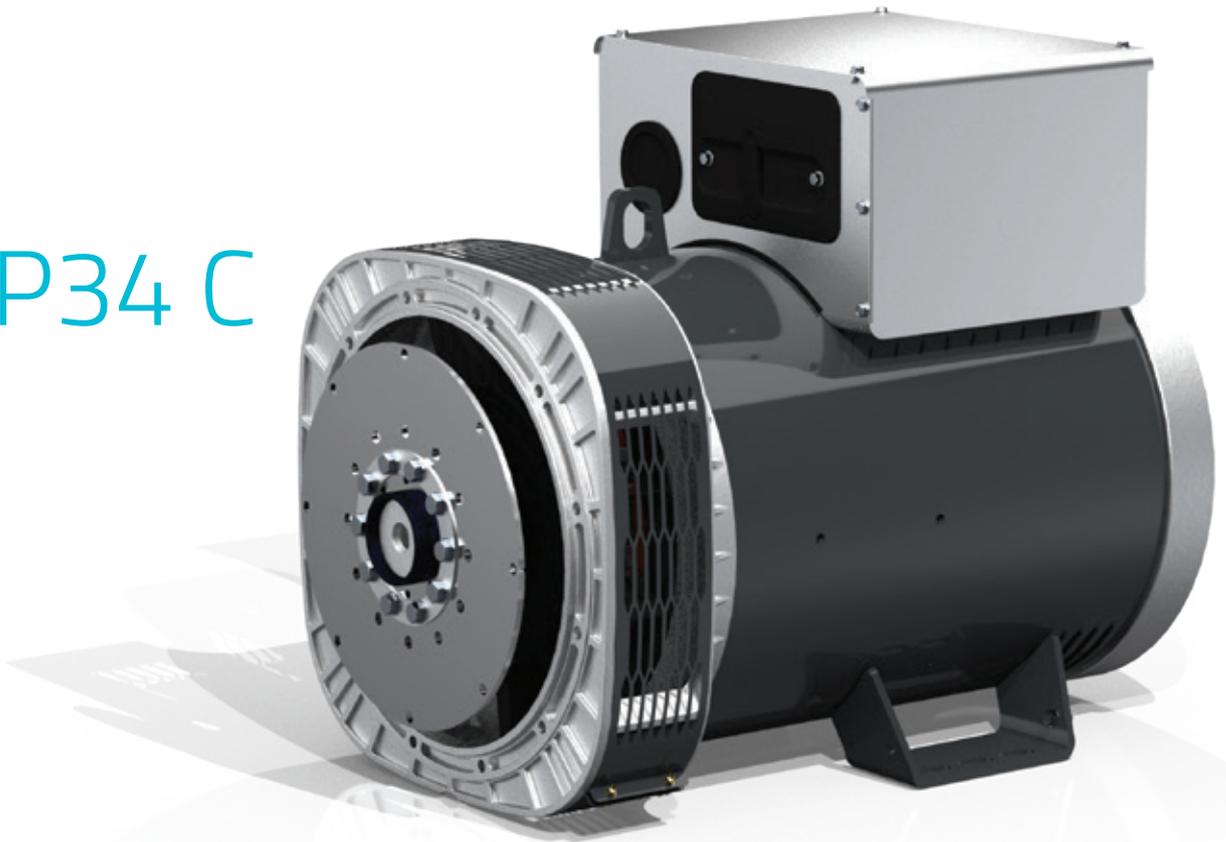
The result is outstanding performance and practicality from the most easily adjustable and maintainable family of generators on the market.

The digital regulator protection includes under/over speed, over load, short circuit protection and possibility of excitation loss function, with visual indication and optional APO output for external equipment by others. Alarm log is also available.

Through simple preset software (available from Mecc Alte website and used in conjunction with USB2DxR interface) features such as soft start and load acceptance can be enabled swiftly and easily.

Alarm reports are stored and can be downloaded using our communication software as well as real-time performance metrics. You can see precisely what is happening to your generator at all times and compare it to historic data; the internal memory is capable of storing over 100 years of data.

# ECP34 C



Easy to assemble so reducing the time to produce.

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New look and feel casing design which includes easily access to the digital AVR.

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Brackets are now formed in aluminium with a decrease of length in the front of the bracket, contributing to better strength-to-weight ratio.

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The fan has been redesigned to increase cooling effect.

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Available from 87.5kVA to 165kVA (50Hz) and from 105kVA to 198kVA (60Hz).

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A reduction in length means they now range from 688mm to 783mm across the six ECP34 models. Up to 20% reduction in length across six models.

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MAUX Power Boost System.

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Digital AVR as standard including software features, the recording of operating hours, alarms and conditions, intelligent soft start and digital voltage regulation.

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# A superior family of products to meet today's increasing demands.

Every generation of a family has something to live up to. We wanted to create a range that achieved more for customers, considerably more.

All Mecc Alte generators are built for optimal performance and longevity as standard. The next generation C-Type generators take the concept of added value a significant leap forward.

In addition to the numerous and unique new design features, we have improved reliability and performance with more efficiency, higher power output to weight ratios and superior stability. This all comes without any trade-offs.



## ECP28 C



### 4 POLE - 60Hz - 3 PHASE - 480V

Series	Model	Power H-125/40C [kVA]	Power H-163/27C [kVA]	Machine length [mm]	Total weight [kg]
ECP28 C	1VS	9	9.8	392	74
	2VS	12	13.2	392	80
	1S	15	14.4	432	88
	2S	18	19.8	432	92
	3S	21	23	432	98
	M	24	26	452	106
	L	30	33	487	122
	VL	36	39.6	532	141

## ECP32 C



4 POLE - 60Hz - 3 PHASE - 480V					
Series	Model	Power H-125/40C	Power H-163/27C	Machine length	Total weight
		[kVA]	[kVA]	[mm]	[kg]
ECP32 C	1S	45	49.4	560	159
	2S	54	59.4	560	171
	1M	60	66	630	196
	2M	75	82.4	630	221
	1L	90	99	690	255
	2L	99	108.8	690	265

## ECP34 C



4 POLE - 60Hz - 3 PHASE - 480V					
Series	Model	Power H-125/40C	Power H-163/27C	Machine length	Total weight
		[kVA]	[kVA]	[mm]	[kg]
ECP34 C	1S	105	112.2	688	302
	2S	120	132	688	348
	1M	150	165	728	370
	2M	162	178.2	728	387
	1L	180	198	783	423
	2L	198	217.8	783	440

Primary data for guidance only – official ratings published at [ctype.meccalte.com](http://ctype.meccalte.com).

# The power from within

## Italian heritage.

Established in 1947 in Vicenza, Italy, Mecc Alte has grown to become a global brand known for its focussed expertise, quality manufacturing processes and for being the world's largest completely independent producer of generators.

We are altogether unique in our industry and take immense pride in the creation and maintenance of our reputation and specialisation. We never compete with our customers. It's simply one product. One solution.

With this approach, every decision we make is focused on continuously driving mutual success throughout the supply chain. Creating an enriched and circular economy, where everyone has access to reliable and sustainable power.

## Global availability. Local service.

Our generators and product support are available anywhere in the world.

They are manufactured in Italy, the UK, China and India, with each network of factories being supported by wholly-owned subsidiaries across the globe who specialise in sales, distribution and aftersales care for all Mecc Alte products in their particular locality. This ensures a universally high and professional standard of authentically global aftersales support for all customers.

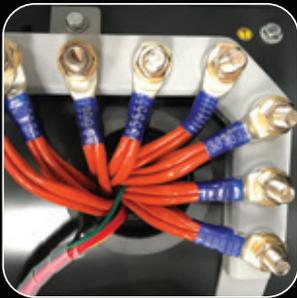
## Our commitment to excellence.

We aim for a universally high standard of quality across all facets of generator design, manufacture, supply and support. This includes the meticulous selection and testing of the components and semi-processed parts used in our assembly processes.

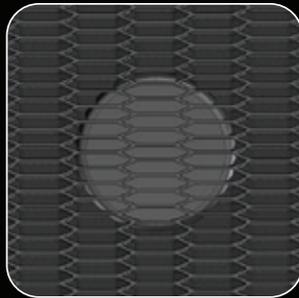


# C-TYPE

12 Wire with FastLink Terminals



Rear Bearing Built-in Dust Shield



Quick Safe Access Digital AVR



Instant Adjust with Built-in Tool



More features and better performance – that's seriously good for business.



MADE IN  
CHINA



MADE IN  
INDIA



MADE IN  
ITALY



MADE IN  
THE UK

For the very latest specifications and ratings,  
visit the Mecc Alte website: [ctype.meccalte.com](http://ctype.meccalte.com)

# C-TYPE

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