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**mecc alte**

**POWER**  
FROM WITHIN

**mecc alte**

**POWER**  
FROM WITHIN

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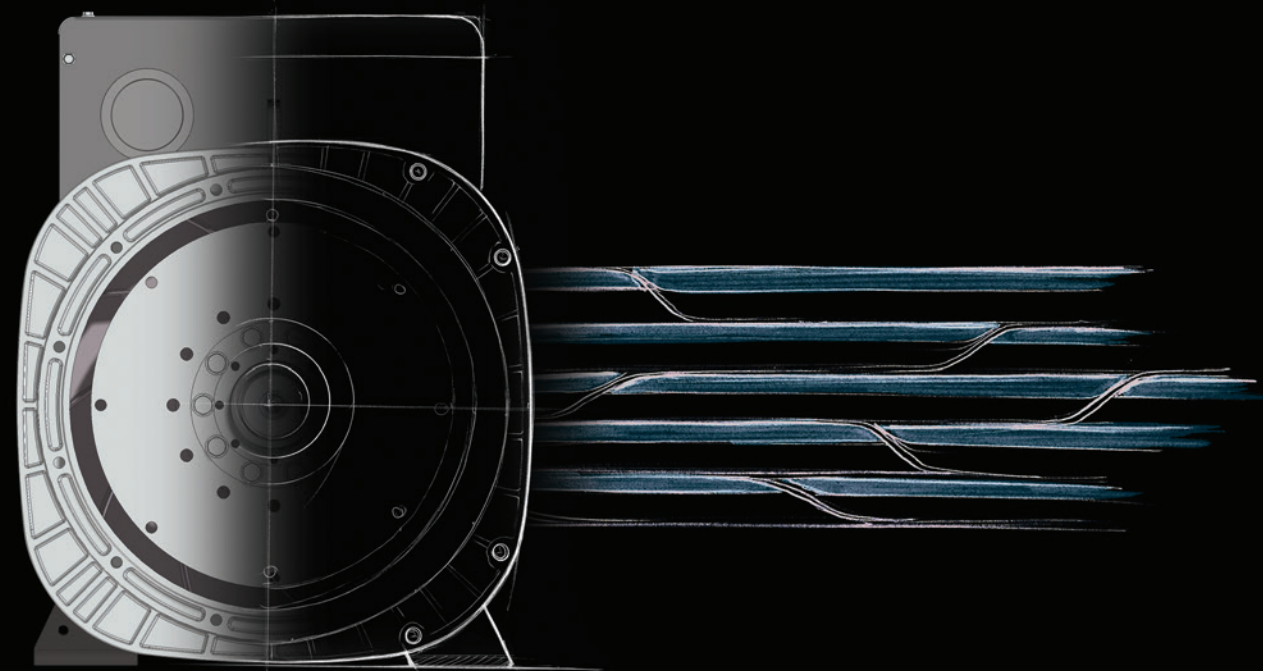
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Introducing the next generation of C-Type.

C-4 TYPE





## Reimagining the heart of power delivery.

Drawing on over seventy years' experience in manufacturing the world's leading alternators, Mecc Alte has questioned the very fundamentals of alternator 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 alternators.

The C-Type series is a family of product lines producing between 7 kVA to 370kVA across the range (50Hz). C-Type builds on Mecc Alte's leading design features and benefits from many years of continuous refinement – we are alternators, 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.

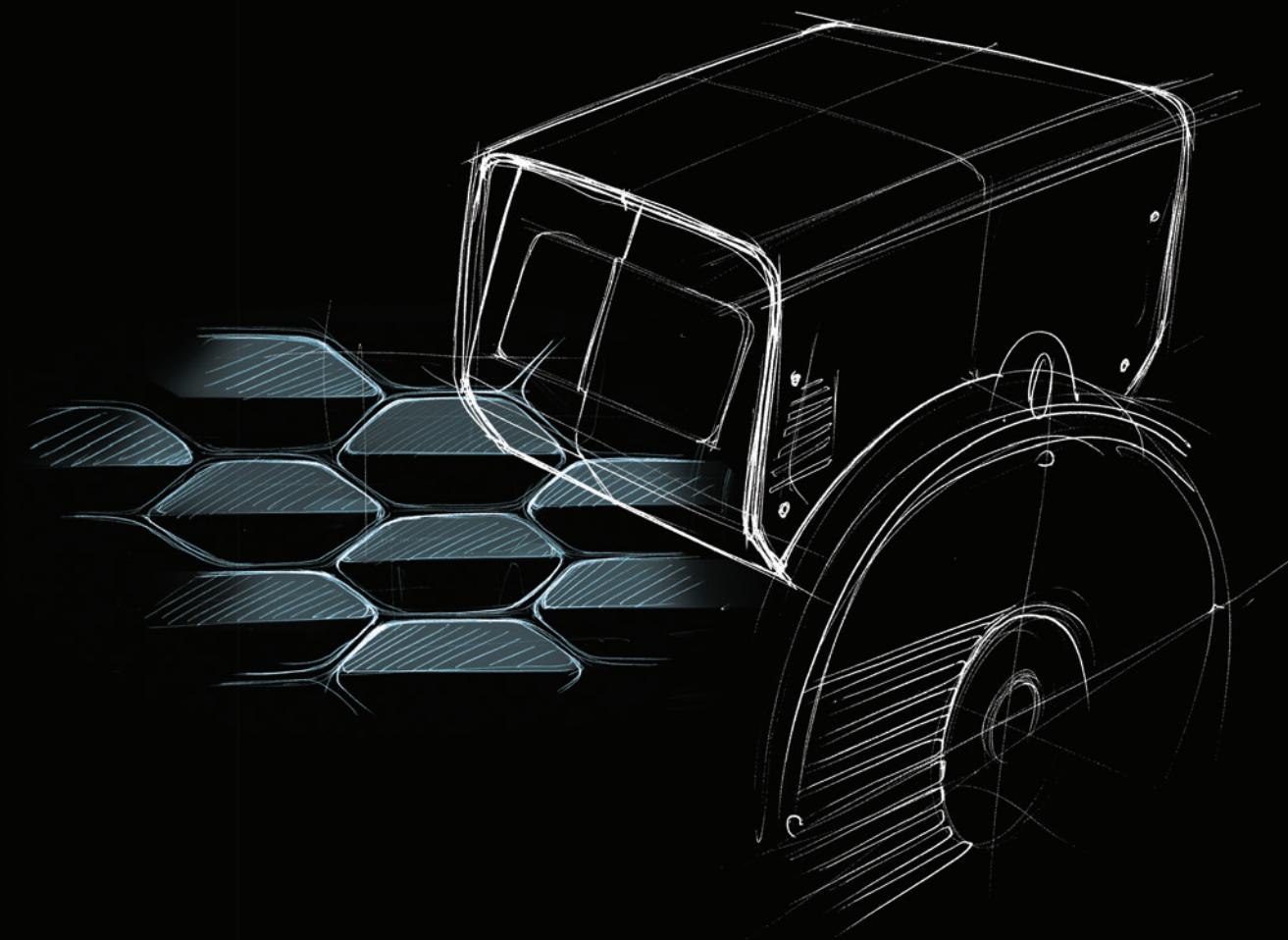
More Powerful  
More Accessible  
More Configurable  
More Alternator



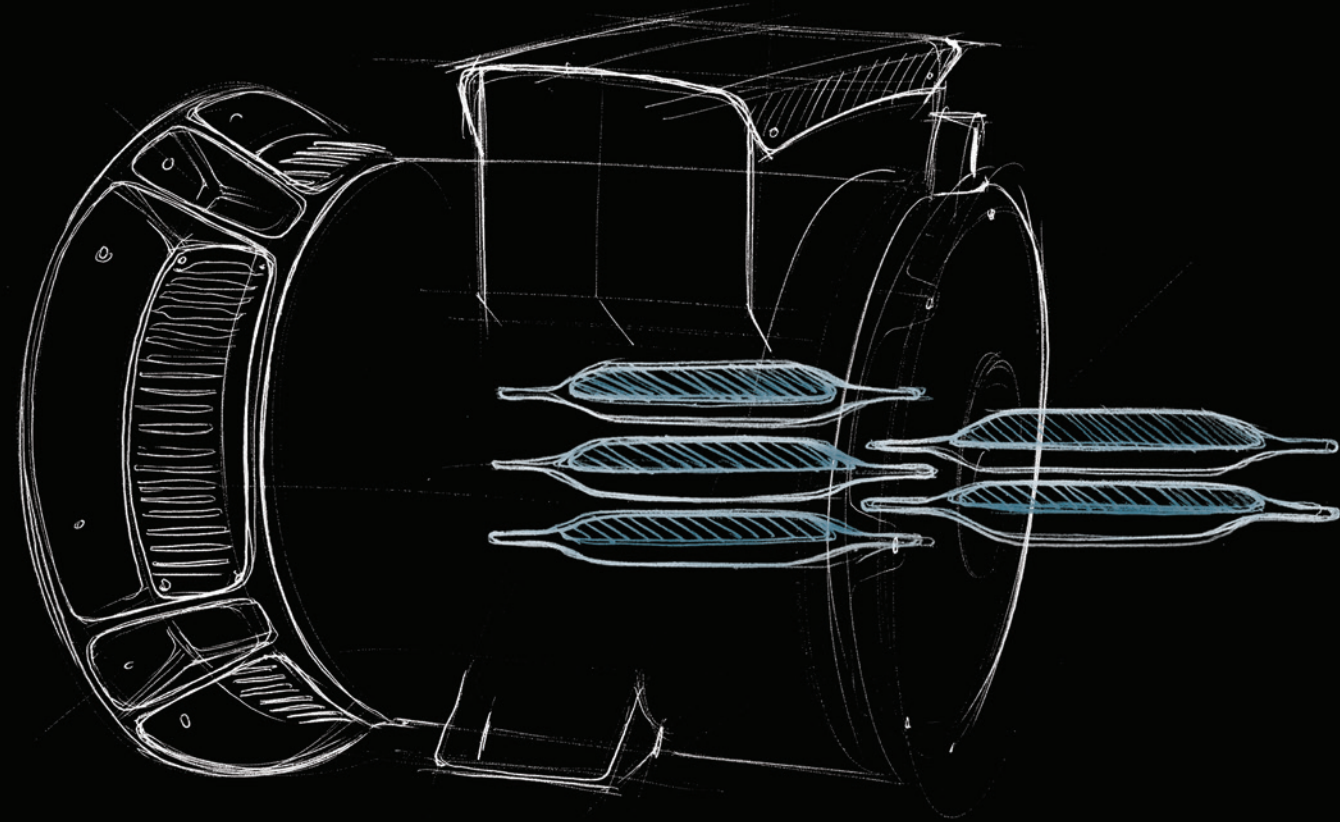
## A range of alternators that break all the rules.

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.
- 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 alternator design.
- Reduced size and weight without any compromise on power.







## More Powerful.

C-Type alternators 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!

## More Accessible.

C-Type alternators 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!

## More Configurable.

C-Type alternators 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!

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

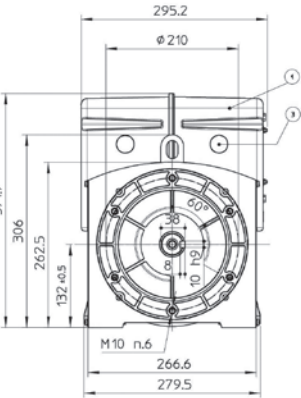
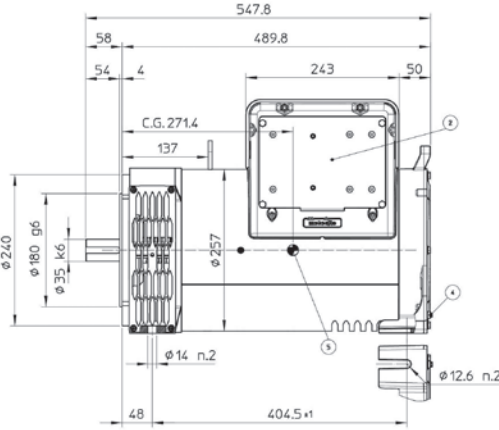
Ratings 50Hz

| kVA / kW @ Temp. Rise / Ambient °C - 0.8 PF |     | STANDBY-163/27 |      |      |      | STANDBY-150/40 |      |      |      | H-125/40 |      |      |      | F-105/40 |      |      |      | B-80/40 |      |      |      |
|---------------------------------------------|-----|----------------|------|------|------|----------------|------|------|------|----------|------|------|------|----------|------|------|------|---------|------|------|------|
| Series Star Y                               |     | 380V           | 400V | 415V | 440V | 380V           | 400V | 415V | 440V | 380V     | 400V | 415V | 440V | 380V     | 400V | 415V | 440V | 380V    | 400V | 415V | 440V |
| Parallel Star YY                            |     | 190V           | 200V | 208V | 220V | 190V           | 200V | 208V | 220V | 190V     | 200V | 208V | 220V | 190V     | 200V | 208V | 220V | 190V    | 200V | 208V | 220V |
| Series Delta Δ                              |     | 220V           | 230V | 240V | 254V | 220V           | 230V | 240V | 254V | 220V     | 230V | 240V | 254V | 220V     | 230V | 240V | 254V | 220V    | 230V | 240V | 254V |
| Parallel Delta ΔΔ                           |     | 110V           | 115V | 120V | 127V | 110V           | 115V | 120V | 127V | 110V     | 115V | 120V | 127V | 110V     | 115V | 120V | 127V | 110V    | 115V | 120V | 127V |
| ECP3 1S4 C                                  | kVA | 7              | 7    | 7    | 5,9  | 6,8            | 6,8  | 6,8  | 5,6  | 6,5      | 6,5  | 6,5  | 5,5  | 6        | 6    | 6    | 5    | 5,2     | 5,2  | 5,2  | 4,4  |
|                                             | kW  | 5,6            | 5,6  | 5,6  | 4,7  | 5,4            | 5,4  | 5,4  | 4,5  | 5,2      | 5,2  | 5,2  | 4,4  | 4,8      | 4,8  | 4,8  | 4    | 4,2     | 4,2  | 4,2  | 3,5  |
| ECP3 2S4 C                                  | kVA | 8,8            | 8,8  | 8,8  | 7,4  | 8,3            | 8,3  | 8,3  | 7    | 8        | 8    | 8    | 6,8  | 7,5      | 7,5  | 7,5  | 6,4  | 6,4     | 6,4  | 6,4  | 5,4  |
|                                             | kW  | 7              | 7    | 7    | 5,9  | 6,6            | 6,6  | 6,6  | 5,6  | 6,4      | 6,4  | 6,4  | 5,4  | 6        | 6    | 6    | 5,1  | 5,1     | 5,1  | 5,1  | 4,3  |
| ECP3 1L4 C                                  | kVA | 11,8           | 11,8 | 11,8 | 9,6  | 11,4           | 11,4 | 11,4 | 9,4  | 11       | 11   | 11   | 9    | 10       | 10   | 10   | 8    | 8,8     | 8,8  | 8,8  | 7,2  |
|                                             | kW  | 9,4            | 9,4  | 9,4  | 7,7  | 9,1            | 9,1  | 9,1  | 7,5  | 8,8      | 8,8  | 8,8  | 7,2  | 8        | 8    | 8    | 6,4  | 7       | 7    | 7    | 5,8  |
| ECP3 2L4 C                                  | kVA | 14,5           | 14,5 | 14,5 | 11,8 | 14             | 14   | 14   | 11,4 | 13,5     | 13,5 | 13,5 | 11   | 12,5     | 12,5 | 12,5 | 10   | 10,8    | 10,8 | 10,8 | 8,8  |
|                                             | kW  | 11,6           | 11,6 | 11,6 | 9,4  | 11,2           | 11,2 | 11,2 | 9,1  | 10,8     | 10,8 | 10,8 | 8,8  | 10       | 10   | 10   | 8    | 8,6     | 8,6  | 8,6  | 7    |
| ECP3 3L4 C                                  | kVA | 16             | 16   | 16   | 12,8 | 15,5           | 15,5 | 15,5 | 12,4 | 15       | 15   | 15   | 12   | 14       | 14   | 14   | 10,5 | 12      | 12   | 12   | 9,6  |
|                                             | kW  | 12,8           | 12,8 | 12,8 | 10,2 | 12,4           | 12,4 | 12,4 | 9,9  | 12       | 12   | 12   | 9,6  | 11,2     | 11,2 | 11,2 | 8,4  | 9,6     | 9,6  | 9,6  | 7,7  |

Ratings 60Hz

| kVA / kW @ Temp. Rise / Ambient °C - 0.8 PF |     | STANDBY-163/27 |      |      |      | STANDBY-150/40 |      |      |      | H-125/40 |      |      |      | F-105/40 |      |      |      | B-80/40 |      |      |      |
|---------------------------------------------|-----|----------------|------|------|------|----------------|------|------|------|----------|------|------|------|----------|------|------|------|---------|------|------|------|
| Series Star Y                               |     | 415V           | 440V | 460V | 480V | 415V           | 440V | 460V | 480V | 415V     | 440V | 460V | 480V | 415V     | 440V | 460V | 480V | 415V    | 440V | 460V | 480V |
| Parallel Star YY                            |     | 208V           | 220V | 230V | 240V | 208V           | 220V | 230V | 240V | 208V     | 220V | 230V | 240V | 208V     | 220V | 230V | 240V | 208V    | 220V | 230V | 240V |
| Series Delta Δ                              |     | 240V           | 254V | 265V | 277V | 240V           | 254V | 265V | 277V | 240V     | 254V | 265V | 277V | 240V     | 254V | 265V | 277V | 240V    | 254V | 265V | 277V |
| Parallel Delta ΔΔ                           |     | 120V           | 127V | 133V | 138V | 120V           | 127V | 133V | 138V | 120V     | 127V | 133V | 138V | 120V     | 127V | 133V | 138V | 120V    | 127V | 133V | 138V |
| ECP3 1S4 C                                  | kVA | 7,5            | 8,4  | 8,4  | 8,4  | 7,2            | 8    | 8    | 8    | 7        | 7,8  | 7,8  | 7,8  | 6,5      | 7,2  | 7,2  | 7,2  | 5,6     | 6,2  | 6,2  | 6,2  |
|                                             | kW  | 6              | 6,7  | 6,7  | 6,7  | 5,8            | 6,4  | 6,4  | 6,4  | 5,6      | 6,2  | 6,2  | 6,2  | 5,2      | 5,8  | 5,8  | 5,8  | 4,5     | 5    | 5    | 5    |
| ECP3 2S4 C                                  | kVA | 9,8            | 10,5 | 10,5 | 10,5 | 9,4            | 10   | 10   | 10   | 9        | 9,6  | 9,6  | 9,6  | 7,5      | 9    | 9    | 9    | 7,2     | 7,7  | 7,7  | 7,7  |
|                                             | kW  | 7,8            | 8,4  | 8,4  | 8,4  | 7,5            | 8    | 8    | 8    | 7,2      | 7,7  | 7,7  | 7,7  | 6        | 7,2  | 7,2  | 7,2  | 5,8     | 6,2  | 6,2  | 6,2  |
| ECP3 1L4 C                                  | kVA | 12,9           | 14,3 | 14,3 | 14,3 | 12,4           | 13,8 | 13,8 | 13,8 | 12       | 13,2 | 13,2 | 13,2 | 11       | 12   | 12   | 12   | 9,6     | 10,6 | 10,6 | 10,6 |
|                                             | kW  | 10,3           | 11,4 | 11,8 | 11,4 | 9,9            | 11   | 11   | 11   | 9,6      | 10,6 | 10,6 | 10,6 | 8,8      | 9,6  | 9,6  | 9,6  | 7,7     | 8,5  | 8,5  | 8,5  |
| ECP3 2L4 C                                  | kVA | 15,1           | 17,5 | 17,5 | 17,5 | 14,6           | 16,9 | 16,9 | 16,9 | 14       | 16,2 | 16,2 | 16,2 | 12,5     | 15   | 15   | 15   | 11,2    | 13   | 13   | 13   |
|                                             | kW  | 12,1           | 14   | 14   | 14   | 11,7           | 13,5 | 13,5 | 13,5 | 11,2     | 13   | 13   | 13   | 10       | 12   | 12   | 12   | 9       | 10,4 | 10,4 | 10,4 |
| ECP3 3L4 C                                  | kVA | 17,1           | 19,3 | 19,3 | 19,3 | 16,7           | 18,8 | 18,8 | 18,8 | 16       | 18   | 18   | 18   | 14,5     | 16,5 | 16,5 | 16,5 | 12,8    | 14,4 | 14,4 | 14,4 |
|                                             | kW  | 13,7           | 15,4 | 15,4 | 15,4 | 13,4           | 15   | 15   | 15   | 12,8     | 14,4 | 14,4 | 14,4 | 11,6     | 13,2 | 13,2 | 13,2 | 10,2    | 11,5 | 11,5 | 11,5 |

ECP3 1L4 C  
Drawing of model ECP3 1L4 C  
measurements in mm, for full tech  
drawings please refer to website.



ECP3 C

12 wire output leads, giving you all the options for immediate connection to the majority of worldwide voltages 50/60Hz.

MAUX power supply to AVR for enhanced motor start and short circuit current capability.

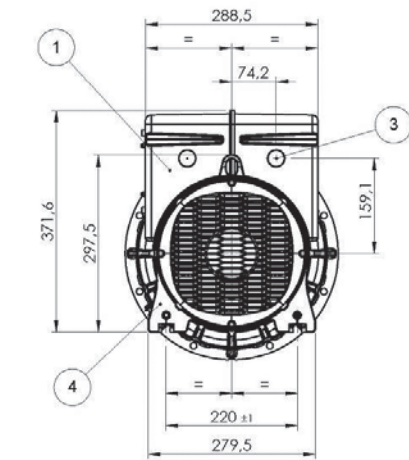
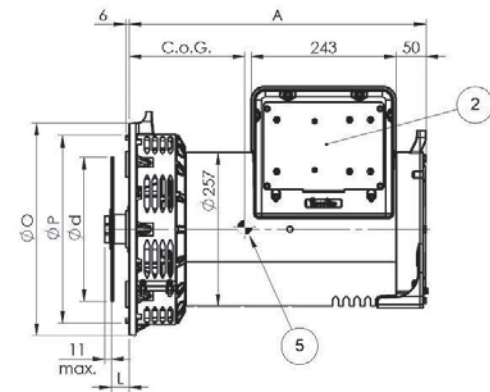
Digital AVR, in order that you get the most accurate voltage information and operational alarms.



New frame design with rear foot integrated to the non-drive end casting.

New nylon reinforced plastic terminal box (shared with ECP4 and ECP28), with easy access AVR drop down cover.

Low metal terminal box is optional.



**ECP4-1S/4 C**  
Drawing of model ECP4-1S/4 C  
measurements in mm, for full tech  
drawings please refer to website.

Ratings 50Hz

| kVA / kW @ Temp. Rise / Ambient °C - 0.8 PF |     | STANDBY-163/27 |      |      |      | STANDBY-150/40 |      |      |      | H-125/40 |      |      |      | F-105/40 |      |      |      | B-80/40 |      |      |      |
|---------------------------------------------|-----|----------------|------|------|------|----------------|------|------|------|----------|------|------|------|----------|------|------|------|---------|------|------|------|
| Series Star Y                               |     | 380V           | 400V | 415V | 440V | 380V           | 400V | 415V | 440V | 380V     | 400V | 415V | 440V | 380V     | 400V | 415V | 440V | 380V    | 400V | 415V | 440V |
| Parallel Star YY                            |     | 190V           | 200V | 208V | 220V | 190V           | 200V | 208V | 220V | 190V     | 200V | 208V | 220V | 190V     | 200V | 208V | 220V | 190V    | 200V | 208V | 220V |
| Series Delta Δ                              |     | 220V           | 230V | 240V | 254V | 220V           | 230V | 240V | 254V | 220V     | 230V | 240V | 254V | 220V     | 230V | 240V | 254V | 220V    | 230V | 240V | 254V |
| Parallel Delta ΔΔ                           |     | 110V           | 115V | 120V | 127V | 110V           | 115V | 120V | 127V | 110V     | 115V | 120V | 127V | 110V     | 115V | 120V | 127V | 110V    | 115V | 120V | 127V |
| ECP4 1M4 C                                  | kVA | 11             | 11   | 11   | 10   | 10,3           | 10,3 | 10,3 | 9,3  | 10       | 10   | 10   | 9    | 9,1      | 9,1  | 9,1  | 8,4  | 8       | 8    | 8    | 7,2  |
|                                             | kW  | 8,8            | 8,8  | 8,8  | 8    | 8,2            | 8,2  | 8,2  | 7,4  | 8        | 8    | 8    | 7,2  | 7,3      | 7,3  | 7,3  | 6,7  | 6,4     | 6,4  | 6,4  | 5,8  |
| ECP4 2M4 C                                  | kVA | 13,7           | 13,7 | 13,7 | 12,8 | 13             | 13   | 13   | 11,9 | 12,5     | 12,5 | 12,5 | 11,5 | 11,6     | 11,6 | 11,6 | 10,7 | 10      | 10   | 10   | 9,2  |
|                                             | kW  | 11             | 11   | 11   | 10,2 | 10,4           | 10,4 | 10,4 | 9,5  | 10       | 10   | 10   | 9,2  | 9,3      | 9,3  | 9,3  | 8,6  | 8       | 8    | 8    | 7,4  |
| ECP4 3M4 C                                  | kVA | 16,5           | 16,5 | 16,5 | 15,4 | 15,4           | 15,4 | 15,4 | 14,4 | 15       | 15   | 15   | 14   | 14,1     | 14,1 | 14,1 | 13,2 | 12      | 12   | 12   | 11,2 |
|                                             | kW  | 13,2           | 13,2 | 13,2 | 12,3 | 12,3           | 12,3 | 12,3 | 11,5 | 12       | 12   | 12   | 11,2 | 11,3     | 11,3 | 11,3 | 10,6 | 9,6     | 9,6  | 9,6  | 9    |
| ECP4 1L4 C                                  | kVA | 20             | 20   | 20   | 18,3 | 18,5           | 18,5 | 18,5 | 17   | 18       | 18   | 18   | 16,5 | 17       | 17   | 17   | 15,3 | 14,4    | 14,4 | 14,4 | 13,2 |
|                                             | kW  | 16             | 16   | 16   | 14,6 | 14,8           | 14,8 | 14,8 | 13,6 | 14,4     | 14,4 | 14,4 | 13,2 | 13,6     | 13,6 | 13,6 | 12,2 | 11,5    | 11,5 | 11,5 | 10,6 |
| ECP4 2L4 C                                  | kVA | 22             | 22   | 22   | 20,4 | 20,5           | 20,5 | 20,5 | 19   | 20       | 20   | 20   | 18,5 | 18,5     | 18,5 | 17,5 | 16   | 16      | 16   | 16   | 14,8 |
|                                             | kW  | 17,6           | 17,6 | 17,6 | 16,3 | 16,4           | 16,4 | 15,2 | 16   | 16       | 16   | 14,8 | 14,8 | 14,8     | 14,8 | 14   | 12,8 | 12,8    | 12,8 | 11,8 | 11,8 |

Ratings 60Hz

| kVA / kW @ Temp. Rise / Ambient °C - 0.8 PF |     | STANDBY-163/27 |      |      |      | STANDBY-150/40 |      |      |      | H-125/40 |      |      |      | F-105/40 |      |      |      | B-80/40 |      |      |      |
|---------------------------------------------|-----|----------------|------|------|------|----------------|------|------|------|----------|------|------|------|----------|------|------|------|---------|------|------|------|
| Series Star Y                               |     | 415V           | 440V | 460V | 480V | 415V           | 440V | 460V | 480V | 415V     | 440V | 460V | 480V | 415V     | 440V | 460V | 480V | 415V    | 440V | 460V | 480V |
| Parallel Star YY                            |     | 208V           | 220V | 230V | 240V | 208V           | 220V | 230V | 240V | 208V     | 220V | 230V | 240V | 208V     | 220V | 230V | 240V | 208V    | 220V | 230V | 240V |
| Series Delta Δ                              |     | 240V           | 254V | 265V | 277V | 240V           | 254V | 265V | 277V | 240V     | 254V | 265V | 277V | 240V     | 254V | 265V | 277V | 240V    | 254V | 265V | 277V |
| Parallel Delta ΔΔ                           |     | 120V           | 127V | 133V | 138V | 120V           | 127V | 133V | 138V | 120V     | 127V | 133V | 138V | 120V     | 127V | 133V | 138V | 120V    | 127V | 133V | 138V |
| ECP4 1M4 C                                  | kVA | 11,5           | 12,4 | 13,2 | 13,2 | 10,7           | 11,6 | 12,4 | 12,4 | 10,5     | 11,3 | 12   | 12   | 9,5      | 10   | 10,9 | 10,9 | 8,4     | 9    | 9,6  | 9,6  |
|                                             | kW  | 9,2            | 9,9  | 10,6 | 10,6 | 8,6            | 9,3  | 9,9  | 9,9  | 8,4      | 9    | 9,6  | 9,6  | 7,6      | 8    | 8,7  | 8,7  | 6,7     | 7,2  | 7,7  | 7,7  |
| ECP4 2M4 C                                  | kVA | 14,3           | 15,3 | 16,5 | 16,5 | 13,3           | 14,3 | 15,5 | 15,5 | 13       | 13,9 | 15   | 15   | 12       | 12,5 | 13,9 | 13,9 | 10,4    | 11,1 | 12   | 12   |
|                                             | kW  | 11,4           | 12,2 | 13,2 | 13,2 | 10,6           | 11,4 | 12,4 | 12,4 | 10,4     | 11,1 | 12   | 12   | 9,6      | 10   | 11,1 | 11,1 | 8,3     | 8,9  | 9,6  | 9,6  |
| ECP4 3M4 C                                  | kVA | 17             | 18,1 | 19,8 | 19,8 | 15,9           | 16,8 | 18,5 | 18,5 | 15,4     | 16,4 | 18   | 18   | 14,6     | 15,4 | 16,8 | 16,8 | 12,4    | 13,1 | 14,4 | 14,4 |
|                                             | kW  | 13,6           | 14,5 | 15,8 | 15,8 | 12,7           | 13,4 | 14,8 | 14,8 | 12,3     | 13,1 | 14,4 | 14,4 | 11,7     | 12,3 | 13,4 | 13,4 | 9,9     | 10,5 | 11,5 | 11,5 |
| ECP4 1L4 C                                  | kVA | 20,6           | 21,7 | 24   | 24   | 19             | 20   | 22,2 | 22,2 | 18,5     | 19,5 | 22   | 22   | 17       | 19   | 20,2 | 20,2 | 14,8    | 15,6 | 17,6 | 17,6 |
|                                             | kW  | 16,5           | 17,4 | 19,2 | 19,2 | 15,2           | 16   | 17,8 | 17,8 | 14,8     | 15,6 | 17,6 | 17,6 | 13,6     | 15,2 | 16,2 | 16,2 | 11,8    | 12,5 | 14,1 | 14,1 |
| ECP4 2L4 C                                  | kVA | 23             | 25,3 | 26,4 | 26,4 | 22             | 24   | 24,6 | 24,6 | 21       | 23   | 24   | 24   | 19       | 20   | 22   | 22   | 16,8    | 18,4 | 19,2 | 19,2 |
|                                             | kW  | 18,4           | 20,2 | 21,1 | 21,1 | 17,2           | 18,9 | 19,7 | 19,7 | 16,8     | 18,4 | 19,2 | 19,2 | 15,2     | 16   | 17,6 | 17,6 | 13,4    | 14,7 | 15,4 | 15,4 |

ECP4 C

12 wire output leads, giving you all the options for immediate connection to the majority of worldwide voltages 50/60Hz.

MAUX power supply to AVR for enhanced motor start and short circuit current capability.

Digital AVR, in order that you get the most accurate voltage information and operational alarms.

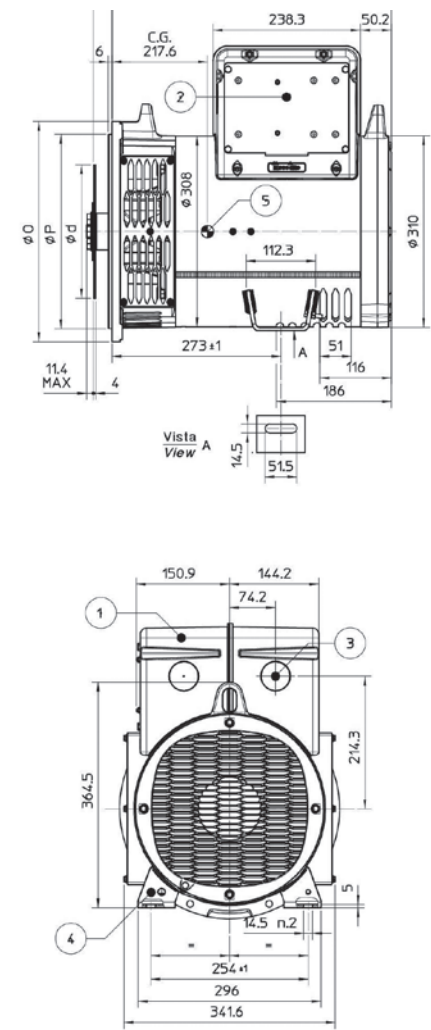
Brand new model born of vast FEA design studies in electro-magnetic and cooling optimisation, targeted at 10, 12.5, 15, 18 and 20kVA [50Hz] power nodes.



New nylon reinforced plastic terminal box (shared with ECP3 and ECP28), with easy access AVR drop down cover.

Low metal terminal box is optional.





**ECP28 M4 C**  
Drawing of model ECP28 M4 C  
measurements in mm, for full tech  
drawings please refer to website.

Ratings 50Hz

| kVA / kW @ Temp. Rise / Ambient °C - 0.8 PF |     |      |      |      |      |                |      |      |      |          |      |      |      |          |      |      |      |         |      |      |      |
|---------------------------------------------|-----|------|------|------|------|----------------|------|------|------|----------|------|------|------|----------|------|------|------|---------|------|------|------|
| STANDBY-163/27                              |     |      |      |      |      | STANDBY-150/40 |      |      |      | H-125/40 |      |      |      | F-105/40 |      |      |      | B-80/40 |      |      |      |
| Series Star Y                               |     | 380V | 400V | 415V | 440V | 380V           | 400V | 415V | 440V | 380V     | 400V | 415V | 440V | 380V     | 400V | 415V | 440V | 380V    | 400V | 415V | 440V |
| Parallel Star YY                            |     | 190V | 200V | 208V | 220V | 190V           | 200V | 208V | 220V | 190V     | 200V | 208V | 220V | 190V     | 200V | 208V | 220V | 190V    | 200V | 208V | 220V |
| Series Delta Δ                              |     | 220V | 230V | 240V | 254V | 220V           | 230V | 240V | 254V | 220V     | 230V | 240V | 254V | 220V     | 230V | 240V | 254V | 220V    | 230V | 240V | 254V |
| Parallel Delta ΔΔ                           |     | 110V | 115V | 120V | 127V | 110V           | 115V | 120V | 127V | 110V     | 115V | 120V | 127V | 110V     | 115V | 120V | 127V | 110V    | 115V | 120V | 127V |
| ECP28 1VS4 C                                | kVA | 8,2  | 8,2  | 8,2  | -    | 7,7            | 7,7  | 7,7  | -    | 7,5      | 7,5  | 7,5  | -    | 6,7      | 6,7  | 6,7  | -    | 6       | 6    | 6    | -    |
|                                             | kW  | 6,6  | 6,6  | 6,6  | -    | 6,2            | 6,2  | 6,2  | -    | 6        | 6    | 6    | -    | 5,4      | 5,4  | 5,4  | -    | 4,8     | 4,8  | 4,8  | -    |
| ECP28 2VS4 C                                | kVA | 11   | 11   | 11   | -    | 10,3           | 10,3 | 10,3 | -    | 10       | 10   | 10   | -    | 9,1      | 9,1  | 9,1  | -    | 8       | 8    | 8    | -    |
|                                             | kW  | 8,8  | 8,8  | 8,8  | -    | 8,2            | 8,2  | 8,2  | -    | 8        | 8    | 8    | -    | 7,3      | 7,3  | 7,3  | -    | 6,4     | 6,4  | 6,4  | -    |
| ECP28 1S4 C                                 | kVA | 13,7 | 13,7 | 13,7 | -    | 13             | 13   | 13   | -    | 12,5     | 12,5 | 12,5 | -    | 11,6     | 11,6 | 11,6 | -    | 10      | 10   | 10   | -    |
|                                             | kW  | 11   | 11   | 11   | -    | 10,4           | 10,4 | 10,4 | -    | 10       | 10   | 10   | -    | 9,3      | 9,3  | 9,3  | -    | 8       | 8    | 8    | -    |
| ECP28 2S4 C                                 | kVA | 16,5 | 16,5 | 16,5 | -    | 15,4           | 15,4 | 15,4 | -    | 15       | 15   | 15   | -    | 14,1     | 14,1 | 14,1 | -    | 12      | 12   | 12   | -    |
|                                             | kW  | 13,2 | 13,2 | 13,2 | -    | 12,4           | 12,4 | 12,4 | -    | 12       | 12   | 12   | -    | 11,3     | 11,3 | 11,3 | -    | 9,6     | 9,6  | 9,6  | -    |
| ECP28 3S4 C                                 | kVA | 19,2 | 19,2 | 19,2 | 17,5 | 18             | 18   | 18   | 16,5 | 17,5     | 17,5 | 17,5 | 16   | 16,5     | 16,5 | 16,5 | 14,9 | 14      | 14   | 14   | 12,8 |
|                                             | kW  | 15,4 | 15,4 | 15,4 | 14   | 14,4           | 14,4 | 14,4 | 13,2 | 14       | 14   | 14   | 12,8 | 13,2     | 13,2 | 13,2 | 11,9 | 11,2    | 11,2 | 11,2 | 10,2 |
| ECP28 M4 C                                  | kVA | 22   | 22   | 22   | 20,4 | 20,5           | 20,5 | 20,5 | 19   | 20       | 20   | 20   | 18,5 | 18,5     | 18,5 | 18,5 | 17,5 | 16      | 16   | 16   | 14,8 |
|                                             | kW  | 17,6 | 17,6 | 17,6 | 16,3 | 16,4           | 16,4 | 16,4 | 15,2 | 16       | 16   | 16   | 14,8 | 14,8     | 14,8 | 14,8 | 14   | 12,8    | 12,8 | 12,8 | 11,9 |
| ECP28 L4 C                                  | kVA | 27,5 | 27,5 | 27,5 | -    | 25,5           | 25,5 | 25,5 | -    | 25       | 25   | 25   | -    | 23       | 23   | 23   | -    | 20      | 20   | 20   | -    |
|                                             | kW  | 22,2 | 22,2 | 22,2 | -    | 20,4           | 20,4 | 20,4 | -    | 20       | 20   | 20   | -    | 18,4     | 18,4 | 18,4 | -    | 16      | 16   | 16   | -    |
| ECP28 VL4 C                                 | kVA | 33   | 33   | 33   | -    | 30,5           | 30,5 | 30,5 | -    | 30       | 30   | 30   | -    | 26       | 26   | 26   | -    | 24      | 24   | 24   | -    |
|                                             | kW  | 26,4 | 26,4 | 26,4 | -    | 24,4           | 24,4 | 24,4 | -    | 24       | 24   | 24   | -    | 20,8     | 20,8 | 20,8 | -    | 19,2    | 19,2 | 19,2 | -    |

Ratings 60Hz

| kVA / kW @ Temp. Rise / Ambient °C - 0.8 PF |                   |                |      |      |      |      |                |      |      |      |      |          |      |      |      |      |          |      |      |      |      |         |  |  |  |  |
|---------------------------------------------|-------------------|----------------|------|------|------|------|----------------|------|------|------|------|----------|------|------|------|------|----------|------|------|------|------|---------|--|--|--|--|
|                                             |                   | STANDBY-163/27 |      |      |      |      | STANDBY-150/40 |      |      |      |      | H-125/40 |      |      |      |      | F-105/40 |      |      |      |      | B-80/40 |  |  |  |  |
|                                             | Series Star Y     | 415V           | 440V | 460V | 480V | 415V | 440V           | 460V | 480V | 415V | 440V | 460V     | 480V | 415V | 440V | 460V | 480V     | 415V | 440V | 460V | 480V |         |  |  |  |  |
|                                             | Parallel Star YY  | 208V           | 220V | 230V | 240V | 208V | 220V           | 230V | 240V | 208V | 220V | 230V     | 240V | 208V | 220V | 230V | 240V     | 208V | 220V | 230V | 240V |         |  |  |  |  |
|                                             | Series Delta Δ    | 240V           | 254V | 265V | 277V | 240V | 254V           | 265V | 277V | 240V | 254V | 265V     | 277V | 240V | 254V | 265V | 277V     | 240V | 254V | 265V | 277V |         |  |  |  |  |
|                                             | Parallel Delta ΔΔ | 120V           | 127V | 133V | 138V | 120V | 127V           | 133V | 138V | 120V | 127V | 133V     | 138V | 120V | 127V | 133V | 138V     | 120V | 127V | 133V | 138V |         |  |  |  |  |
| ECP28 1VS4 C                                | kVA               | 8,8            | 9,3  | 9,9  | 9,9  | 8,3  | 8,7            | 9,3  | 9,3  | 8    | 8,5  | 9        | 9    | 7,2  | 7,5  | 8,2  | 8,2      | 6,4  | 6,8  | 7,2  | 7,2  |         |  |  |  |  |
|                                             | kW                | 7              | 7,4  | 8    | 8    | 6,6  | 6,9            | 7,5  | 7,5  | 6,4  | 6,8  | 7,2      | 7,2  | 5,8  | 6    | 6,5  | 6,5      | 5,1  | 5,4  | 5,8  | 5,8  |         |  |  |  |  |
| ECP28 2VS4 C                                | kVA               | 11,5           | 12,4 | 13,2 | 13,2 | 10,7 | 11,6           | 12,4 | 12,4 | 10,5 | 11,3 | 12       | 12   | 9,5  | 10   | 10,9 | 10,9     | 8,4  | 9    | 9,6  | 9,6  |         |  |  |  |  |
|                                             | kW                | 9,2            | 9,9  | 10,6 | 10,6 | 8,6  | 9,3            | 9,9  | 9,9  | 8,4  | 9    | 9,6      | 9,6  | 7,6  | 8    | 8,7  | 8,7      | 6,7  | 7,2  | 7,7  | 7,7  |         |  |  |  |  |
| ECP28 1S4 C                                 | kVA               | 14,3           | 15,3 | 16,5 | 16,5 | 13,3 | 14,3           | 15,5 | 15,5 | 13   | 13,9 | 15       | 15   | 12   | 12,5 | 13,9 | 13,9     | 10,4 | 11,1 | 12   | 12   |         |  |  |  |  |
|                                             | kW                | 11,4           | 12,2 | 13,2 | 13,2 | 10,7 | 11,4           | 12,4 | 12,4 | 10,4 | 11,1 | 12       | 12   | 9,6  | 10   | 11   | 11       | 8,3  | 8,9  | 9,6  | 9,6  |         |  |  |  |  |
| ECP28 2S4 C                                 | kVA               | 17             | 18,1 | 19,8 | 19,8 | 15,9 | 16,8           | 18,5 | 18,5 | 15,4 | 16,4 | 18       | 18   | 14,6 | 15,4 | 16,8 | 16,8     | 12,4 | 13,1 | 14,4 | 14,4 |         |  |  |  |  |
|                                             | kW                | 13,6           | 14,4 | 15,8 | 15,8 | 12,7 | 13,4           | 14,8 | 14,8 | 12,4 | 13,1 | 14,4     | 14,4 | 11,6 | 12,3 | 13,4 | 13,4     | 9,9  | 10,5 | 11,5 | 11,5 |         |  |  |  |  |
| ECP28 3S4 C                                 | kVA               | 19,8           | 21,1 | 23   | 23   | 18,5 | 19,7           | 21,6 | 21,6 | 18   | 19   | 21       | 21   | 17   | 18   | 19,6 | 19,6     | 14,4 | 15,3 | 16,8 | 16,8 |         |  |  |  |  |
|                                             | kW                | 15,8           | 16,8 | 18,5 | 18,5 | 14,8 | 15,7           | 17,3 | 17,3 | 14,4 | 15,3 | 16,8     | 16,8 | 13,6 | 14,4 | 15,6 | 15,6     | 11,5 | 12,2 | 13,4 | 13,4 |         |  |  |  |  |
| ECP28 M4 C                                  | kVA               | 23,1           | 25,3 | 26,4 | 26,4 | 21,5 | 23,6           | 24,6 | 24,6 | 21   | 23   | 24       | 24   | 19   | 20   | 22   | 22       | 16,8 | 18,4 | 19,2 | 19,2 |         |  |  |  |  |
|                                             | kW                | 18,5           | 20,2 | 21   | 21   | 17,2 | 18,9           | 19,7 | 19,7 | 16,8 | 18,4 | 19,2     | 19,2 | 15,2 | 16   | 17,6 | 17,6     | 13,4 | 14,7 | 15,4 | 15,4 |         |  |  |  |  |
| ECP28 L4 C                                  | kVA               | 28,6           | 30,3 | 33   | 33   | 26,5 | 28             | 30,6 | 30,6 | 26   | 27,5 | 30       | 30   | 24   | 25,5 | 27,5 | 27,5     | 20,8 | 22   | 24   | 24   |         |  |  |  |  |
|                                             | kW                | 22,9           | 24,2 | 26,4 | 26,4 | 21,2 | 22,4           | 24,5 | 24,5 | 20,8 | 22   | 24       | 24   | 19,2 | 20,4 | 22   | 22       | 16,6 | 17,6 | 19,2 | 19,2 |         |  |  |  |  |
| ECP28 VL4 C                                 | kVA               | 36,3           | 39,6 | 39,6 | 39,6 | 33,5 | 36,6           | 36,6 | 36,6 | 33   | 36   | 36       | 36   | 29   | 32   | 32   | 32       | 26,4 | 29   | 29   | 29   |         |  |  |  |  |
|                                             | kW                | 29             | 31,7 | 31,7 | 31,7 | 26,8 | 29,3           | 29,3 | 29,3 | 26,4 | 28,8 | 28,8     | 28,8 | 23,2 | 25,6 | 25,6 | 25,6     | 21,1 | 23   | 23   | 23   |         |  |  |  |  |

# ECP28 C

Easy to assemble so reducing the time to produce.

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

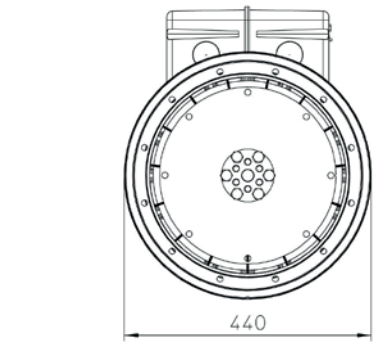
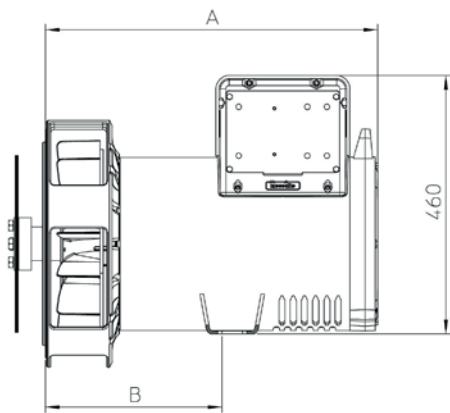
The AVR can be accessed through the terminal box side, for more complex adjustments it slides out.



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

AVR access has never been easier or safer.

Can supply 7.5 kVA to 30 kVA (50Hz) across 8 models.



ECP30 4 C  
Drawing of model ECP30 4 C  
measurements in mm, for full tech  
drawings please refer to website.

Ratings 50Hz

| kVA / kW @ Temp. Rise / Ambient °C - 0.8 PF |                   |                |      |      |      |      |                |      |      |      |          |      |      |      |          |      |      |      |         |      |      |      |      |      |      |      |      |      |
|---------------------------------------------|-------------------|----------------|------|------|------|------|----------------|------|------|------|----------|------|------|------|----------|------|------|------|---------|------|------|------|------|------|------|------|------|------|
|                                             |                   | STANDBY-163/27 |      |      |      |      | STANDBY-150/40 |      |      |      | H-125/40 |      |      |      | F-105/40 |      |      |      | B-80/40 |      |      |      |      |      |      |      |      |      |
|                                             | Series Star Y     | 380V           | 400V | 415V | 440V | 380V | 400V           | 415V | 440V | 380V | 400V     | 415V | 440V | 380V | 400V     | 415V | 440V | 380V | 400V    | 415V | 440V | 380V | 400V | 415V | 440V |      |      |      |
|                                             | Parallel Star YY  | 190V           | 200V | 208V | 220V | 190V | 200V           | 208V | 220V | 190V | 200V     | 208V | 220V | 190V | 200V     | 208V | 220V | 190V | 200V    | 208V | 220V | 190V | 200V | 208V | 220V |      |      |      |
|                                             | Series Delta Δ    | 220V           | 230V | 240V | 254V | 220V | 230V           | 240V | 254V | 220V | 230V     | 240V | 254V | 220V | 230V     | 240V | 254V | 220V | 230V    | 240V | 254V | 220V | 230V | 240V | 254V |      |      |      |
|                                             | Parallel Delta ΔΔ | 110V           | 115V | 120V | 127V | 110V | 115V           | 120V | 127V | 110V | 115V     | 120V | 127V | 110V | 115V     | 120V | 127V | 110V | 115V    | 120V | 127V | 110V | 115V | 120V | 127V |      |      |      |
| ECP30 2M4 C                                 | kVA               | 27,5           | 27,5 | 27,5 | 25,2 | 25,5 | 25,5           | 25,5 | 23,7 | 25   | 25       | 25   | 23   | 23   | 23       | 23   | 21,4 | 20   | 20      | 20   | 18,4 | 18,4 | 18,4 | 17,1 | 16   | 16   | 16   | 14,7 |
|                                             | kW                | 22             | 22   | 22   | 20,2 | 20,4 | 20,4           | 20,4 | 19   | 20   | 20       | 20   | 18,4 | 18,4 | 18,4     | 18,4 | 17,1 | 16   | 16      | 16   | 14,7 | 14,7 | 14,7 | 13,5 | 12,5 | 12,5 | 11,3 | 10,2 |
| ECP30 3M4 C                                 | kVA               | 33             | 33   | 33   | 29,5 | 30,5 | 30,5           | 30,5 | 27,8 | 30   | 30       | 30   | 27   | 26   | 26       | 26   | 25,1 | 24   | 24      | 24   | 21,6 | 20,8 | 20,8 | 20,1 | 19,2 | 19,2 | 19,2 | 17,3 |
|                                             | kW                | 26,4           | 26,4 | 26,4 | 23,6 | 24,4 | 24,4           | 24,4 | 22,2 | 24   | 24       | 24   | 21,6 | 20,8 | 20,8     | 20,8 | 20,1 | 19,2 | 19,2    | 19,2 | 17,3 | 17,3 | 17,3 | 16,1 | 15,1 | 15,1 | 13,9 | 12,8 |
| ECP30 1L4 C                                 | kVA               | 38,5           | 38,5 | 38,5 | 34,4 | 35,6 | 35,6           | 35,6 | 32,4 | 35   | 35       | 35   | 31,5 | 30,3 | 30,3     | 30,3 | 29,3 | 28   | 28      | 28   | 25,2 | 24,2 | 24,2 | 23,4 | 22,4 | 22,4 | 22,4 | 20,2 |
|                                             | kW                | 30,8           | 30,8 | 30,8 | 27,5 | 28,5 | 28,5           | 28,5 | 25,9 | 28   | 28       | 28   | 25,2 | 24,2 | 24,2     | 24,2 | 23,4 | 22,4 | 22,4    | 22,4 | 20,2 | 20,2 | 20,2 | 19,0 | 17,9 | 17,9 | 17,9 | 15,7 |
| ECP30 2L4 C                                 | kVA               | 44             | 44   | 44   | 39   | 40,7 | 40,7           | 40,7 | 37   | 40   | 40       | 40   | 36   | 34,7 | 34,7     | 34,7 | 33,5 | 32   | 32      | 32   | 28,8 | 27,8 | 27,8 | 26,8 | 25,6 | 25,6 | 25,6 | 23   |
|                                             | kW                | 35,2           | 35,2 | 35,2 | 31,2 | 32,6 | 32,6           | 32,6 | 29,6 | 32   | 32       | 32   | 28,8 | 27,8 | 27,8     | 27,8 | 26,8 | 25,6 | 25,6    | 25,6 | 23   | 23   | 23   | 21,8 | 20,7 | 20,7 | 20,7 | 18,5 |

Ratings 60Hz

| kVA / kW @ Temp. Rise / Ambient °C - 0.8 PF |                   | STANDBY-163/27 |      |      |      |      | STANDBY-150/40 |      |      |      | H-125/40 |      |      |      | F-105/40 |      |      |      | B-80/40 |      |      |  |
|---------------------------------------------|-------------------|----------------|------|------|------|------|----------------|------|------|------|----------|------|------|------|----------|------|------|------|---------|------|------|--|
|                                             | Series Star Y     | 415V           | 440V | 460V | 480V | 415V | 440V           | 460V | 480V | 415V | 440V     | 460V | 480V | 415V | 440V     | 460V | 480V | 415V | 440V    | 460V | 480V |  |
|                                             | Parallel Star YY  | 208V           | 220V | 230V | 240V | 208V | 220V           | 230V | 240V | 208V | 220V     | 230V | 240V | 208V | 220V     | 230V | 240V | 208V | 220V    | 230V | 240V |  |
|                                             | Series Delta Δ    | 240V           | 254V | 265V | 277V | 240V | 254V           | 265V | 277V | 240V | 254V     | 265V | 277V | 240V | 254V     | 265V | 277V | 240V | 254V    | 265V | 277V |  |
|                                             | Parallel Delta ΔΔ | 120V           | 127V | 133V | 138V | 120V | 127V           | 133V | 138V | 120V | 127V     | 133V | 138V | 120V | 127V     | 133V | 138V | 120V | 127V    | 133V | 138V |  |
| ECP30 2M4 C                                 | kVA               | 28,6           | 30,3 | 33   | 33   | 27   | 28             | 30,6 | 30,6 | 26   | 27,5     | 30   | 30   | 24   | 26       | 27,5 | 27,5 | 20,8 | 22      | 24   | 24   |  |
|                                             | kW                | 22,9           | 24,2 | 26,4 | 26,4 | 21,2 | 22,4           | 24,5 | 24,5 | 20,8 | 22       | 24   | 24   | 19,2 | 20,4     | 22   | 22   | 16,6 | 17,6    | 19,2 | 19,2 |  |
| ECP30 3M4 C                                 | kVA               | 36,3           | 39,6 | 39,6 | 39,6 | 34   | 37             | 36,6 | 36,6 | 33   | 36       | 36   | 36   | 29   | 32       | 32   | 32   | 26,4 | 28,8    | 28,8 | 28,8 |  |
|                                             | kW                | 29             | 31,7 | 31,7 | 31,7 | 26,8 | 29,3           | 29,3 | 29,3 | 26,4 | 28,8     | 28,8 | 28,8 | 23,2 | 25,6     | 25,6 | 25,6 | 21,1 | 23      | 23   | 23   |  |
| ECP30 1L4 C                                 | kVA               | 42,4           | 46,2 | 46,2 | 46,2 | 39   | 43             | 42,7 | 42,7 | 38,5 | 42       | 42   | 42   | 34   | 37       | 37,3 | 37,3 | 30,8 | 33,6    | 33,6 | 33,6 |  |
|                                             | kW                | 33,9           | 37   | 37   | 37   | 31,3 | 34,2           | 34,2 | 34,2 | 30,8 | 33,6     | 33,6 | 33,6 | 27   | 29,8     | 29,8 | 29,8 | 24,6 | 26,9    | 26,9 | 26,9 |  |
| ECP30 2L4 C                                 | kVA               | 48,4           | 52,8 | 52,8 | 52,8 | 45   | 49             | 48,8 | 48,8 | 44   | 48       | 48   | 48   | 39   | 43       | 42,7 | 42,7 | 35,2 | 38,4    | 38,4 | 38,4 |  |
|                                             | kW                | 38,7           | 42,2 | 42,2 | 42,2 | 35,8 | 39             | 39   | 39   | 35,2 | 38,4     | 38,4 | 38,4 | 31   | 34,2     | 34,2 | 34,2 | 28,2 | 30,7    | 30,7 | 30,7 |  |

# ECP30 C

12 wire output leads, giving you all the options for immediate connection to the majority of worldwide voltages 50/60Hz.

Flexibility 1st: Easy retrofit cartridge heaters [adjust stock machines, change voltage etc – easy].

MAUX power supply to AVR for enhanced motor start and short circuit current capability [PMG optional].

Digital AVR, in order that you get the most accurate voltage information and operational alarms.

Brand new model born of vast FEA design studies in electro-magnetic and cooling optimisation, targeted at 25, 30, 35 and 40kVA [50Hz] power nodes.

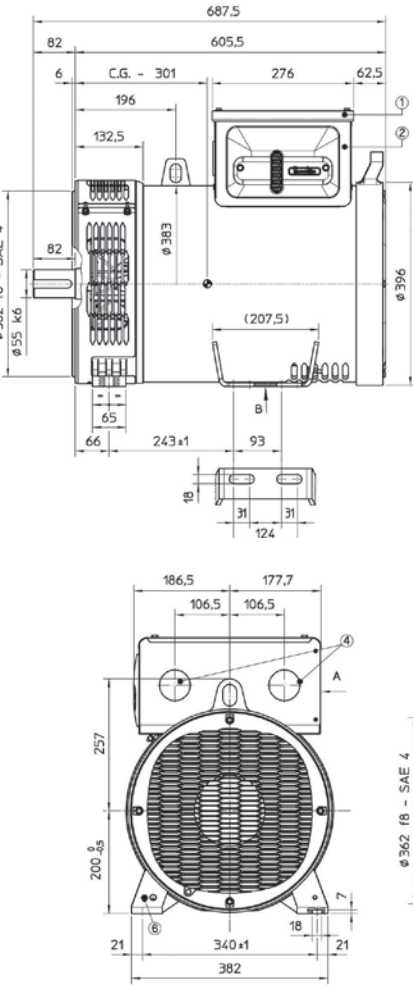


New nylon reinforced plastic terminal box (shared with ECP3 and ECP28), with easy access AVR drop down cover.

Safety 1st: High metal terminal box has easy access to forward facing AVR [access potentiometers, connect interface to PC without opening terminal box.

High and low metal terminal box are optional.





**ECP32 1M4 C**  
Drawing of model ECP32 1M4 C  
measurements in mm, for full tech  
drawings please refer to website.

Ratings 50Hz

|             |     | STANDBY-163/27 |      |      |      | STANDBY-150/40 |      |      |      | H-125/40       |      |      |      | F-105/40        |      |      |      | B-80/40 |      |      |      |
|-------------|-----|----------------|------|------|------|----------------|------|------|------|----------------|------|------|------|-----------------|------|------|------|---------|------|------|------|
|             |     | Series Star Y  |      |      |      | Series Star YY |      |      |      | Series Delta Δ |      |      |      | Series Delta ΔΔ |      |      |      |         |      |      |      |
|             |     | 380V           | 400V | 415V | 440V | 380V           | 400V | 415V | 440V | 380V           | 400V | 415V | 440V | 380V            | 400V | 415V | 440V | 380V    | 400V | 415V | 440V |
|             |     | 190V           | 200V | 208V | 220V | 190V           | 200V | 208V | 220V | 190V           | 200V | 208V | 220V | 190V            | 200V | 208V | 220V | 190V    | 200V | 208V | 220V |
|             |     | 220V           | 230V | 240V | 254V | 220V           | 230V | 240V | 254V | 220V           | 230V | 240V | 254V | 220V            | 230V | 240V | 254V | 220V    | 230V | 240V | 254V |
|             |     | 110V           | 115V | 120V | 127V | 110V           | 115V | 120V | 127V | 110V           | 115V | 120V | 127V | 110V            | 115V | 120V | 127V | 110V    | 115V | 120V | 127V |
| ECP32 1S4 C | kVA | 41             | 41   | 41   | 33   | 39             | 39   | 39   | 31,6 | 37,5           | 37,5 | 37,5 | 30   | 35              | 35   | 35   | 28   | 30      | 30   | 30   | 24   |
|             | kW  | 32,8           | 32,8 | 32,8 | 26,4 | 31,2           | 31,2 | 31,2 | 25,3 | 30             | 30   | 30   | 24   | 28              | 28   | 28   | 22,4 | 24      | 24   | 24   | 19,2 |
| ECP32 2S4 C | kVA | 50             | 50   | 49,5 | 37,5 | 48,7           | 48,7 | 48,7 | 36   | 45             | 45   | 45   | 34   | 41              | 41   | 41   | 33   | 36      | 36   | 36   | 27   |
|             | kW  | 40             | 40   | 39,6 | 30   | 39,0           | 39,0 | 39,0 | 28,8 | 36             | 36   | 36   | 27,2 | 32,8            | 32,8 | 32,8 | 26,4 | 28,8    | 28,8 | 28,8 | 21,6 |
| ECP32 1M4 C | kVA | 55             | 55   | 55   | 44   | 52,5           | 52,5 | 52,5 | 42   | 50             | 50   | 50   | 40   | 48              | 48   | 48   | 38   | 40      | 40   | 40   | 32   |
|             | kW  | 44             | 44   | 44   | 35,2 | 42             | 42   | 42   | 33,6 | 40             | 40   | 40   | 32   | 38,4            | 38,4 | 38,4 | 30,4 | 32      | 32   | 32   | 25,6 |
| ECP32 2M4 C | kVA | 68,8           | 68,8 | 68,8 | 52   | 65             | 65   | 65   | 49,5 | 62,5           | 62,5 | 62,5 | 47,5 | 59,5            | 59,5 | 59,5 | 42,6 | 50      | 50   | 50   | 38   |
|             | kW  | 55,0           | 55,0 | 55,0 | 41,6 | 52             | 52   | 52   | 39,6 | 50             | 50   | 50   | 38   | 47,6            | 47,6 | 47,6 | 34,1 | 40      | 40   | 40   | 30,4 |
| ECP32 1L4 C | kVA | 82,5           | 82,5 | 82,5 | 77   | 78             | 78   | 78   | 73   | 75             | 75   | 75   | 70   | 67              | 67   | 67   | 62   | 60      | 60   | 60   | 56   |
|             | kW  | 66             | 66   | 66   | 61,6 | 62,4           | 62,4 | 62,4 | 58,4 | 60             | 60   | 60   | 56   | 53,6            | 53,6 | 53,6 | 49,6 | 48      | 48   | 48   | 44,8 |
| ECP32 2L4 C | kVA | 91             | 91   | 91   | 85   | 85             | 85   | 85   | 79   | 82,5           | 82,5 | 82,5 | 77   | 73,2            | 73,2 | 73,2 | 68   | 66      | 66   | 66   | 62   |
|             | kW  | 72,8           | 72,8 | 72,8 | 68   | 68             | 68   | 68   | 63,2 | 66             | 66   | 66   | 61,6 | 58,6            | 58,6 | 58,6 | 54,4 | 52,8    | 52,8 | 52,8 | 49,6 |

Ratings 60Hz

|             |     | STANDBY-163/27 |      |      |      | STANDBY-150/40 |      |      |      | H-125/40       |      |      |      | F-105/40        |      |      |      | B-80/40 |      |      |      |
|-------------|-----|----------------|------|------|------|----------------|------|------|------|----------------|------|------|------|-----------------|------|------|------|---------|------|------|------|
|             |     | Series Star Y  |      |      |      | Series Star YY |      |      |      | Series Delta Δ |      |      |      | Series Delta ΔΔ |      |      |      |         |      |      |      |
|             |     | 415V           | 440V | 460V | 480V | 415V           | 440V | 460V | 480V | 415V           | 440V | 460V | 480V | 415V            | 440V | 460V | 480V | 415V    | 440V | 460V | 480V |
|             |     | 208V           | 220V | 230V | 240V | 208V           | 220V | 230V | 240V | 208V           | 220V | 230V | 240V | 208V            | 220V | 230V | 240V | 208V    | 220V | 230V | 240V |
|             |     | 240V           | 254V | 265V | 277V | 240V           | 254V | 265V | 277V | 240V           | 254V | 265V | 277V | 240V            | 254V | 265V | 277V | 240V    | 254V | 265V | 277V |
|             |     | 120V           | 127V | 133V | 138V | 120V           | 127V | 133V | 138V | 120V           | 127V | 133V | 138V | 120V            | 127V | 133V | 138V | 120V    | 127V | 133V | 138V |
| ECP32 1S4 C | kVA | 43,5           | 47   | 49,5 | 49,5 | 42             | 45   | 47   | 47   | 39,5           | 43   | 45   | 45   | 37              | 41   | 43   | 43   | 31,6    | 34,4 | 36   | 36   |
|             | kW  | 34,8           | 37,6 | 39,6 | 39,6 | 33,6           | 36   | 37,6 | 37,6 | 31,6           | 34,4 | 36   | 36   | 29,6            | 32,8 | 34,4 | 34,4 | 25,3    | 27,5 | 28,8 | 28,8 |
| ECP32 2S4 C | kVA | 52             | 55   | 59   | 59   | 50             | 53   | 57   | 57   | 47             | 50   | 54   | 54   | 43              | 48   | 52   | 52   | 37,6    | 40   | 43,2 | 43,2 |
|             | kW  | 41,6           | 44   | 47,2 | 47,2 | 40             | 42,4 | 45,6 | 45,6 | 37,6           | 40   | 43,2 | 43,2 | 34,4            | 38,4 | 41,6 | 41,6 | 30,1    | 32   | 34,6 | 34,6 |
| ECP32 1M4 C | kVA | 60,5           | 66   | 66   | 66   | 58             | 63   | 63   | 63   | 55             | 60   | 60   | 60   | 53              | 58   | 58   | 58   | 44      | 48   | 48   | 48   |
|             | kW  | 48,4           | 52,8 | 52,8 | 52,8 | 46,4           | 50,4 | 50,4 | 50,4 | 44             | 48   | 48   | 48   | 42,4            | 46,4 | 46,4 | 46,4 | 35,2    | 38,4 | 38,4 | 38,4 |
| ECP32 2M4 C | kVA | 76             | 80   | 82,5 | 82,5 | 71             | 74   | 77,5 | 77,5 | 69             | 72,5 | 75   | 75   | 63              | 70   | 71,5 | 71,5 | 55,2    | 58   | 60   | 60   |
|             | kW  | 60,8           | 64   | 66   | 66   | 56,8           | 59   | 62   | 62   | 55,2           | 58   | 60   | 60   | 50,4            | 56   | 57,2 | 57,2 | 44,2    | 46   | 48   | 48   |
| ECP32 1L4 C | kVA | 86             | 90   | 99   | 99   | 81             | 86   | 93,7 | 93,7 | 78             | 82   | 90   | 90   | 73              | 80   | 83   | 83   | 62,4    | 65,6 | 72   | 72   |
|             | kW  | 68,8           | 72   | 79,2 | 79,2 | 64,8           | 68,8 | 75   | 75,0 | 62,4           | 65,6 | 72   | 72   | 58,4            | 64   | 66,4 | 66,4 | 49,9    | 52,5 | 57,6 | 57,6 |
| ECP32 2L4 C | kVA | 97             | 106  | 110  | 110  | 90             | 98   | 102  | 102  | 88             | 96   | 100  | 100  | 81              | 89   | 92   | 92   | 70,4    | 76,8 | 80   | 80   |
|             | kW  | 77,6           | 84,8 | 88   | 88   | 72             | 78,4 | 81,6 | 81,6 | 70,4           | 76,8 | 80   | 80   | 64,8            | 71,2 | 73,6 | 73,6 | 56,3    | 61,4 | 64   | 64   |

ECP32 C

Easy to assemble so reducing  
the time to produce.

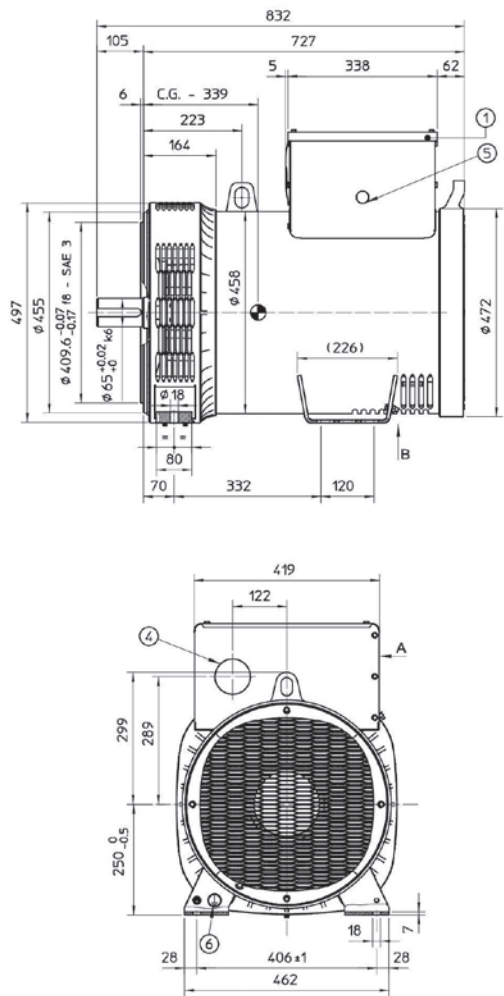


The fan has been redesigned  
enabling cooler temperatures  
over longer periods.

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

Can supply  
37.5 kVA to 82.5 kVA  
across 6 models (50Hz).

A reduction in length means  
they now range from  
560 mm to 690 mm across  
the six ECP32 models.



**ECP34 1M4 C**  
Drawing of model ECP34 1M4 C  
measurements in mm, for full tech  
drawings please refer to website.

Ratings 50Hz

| kVA / kW @ Temp. Rise / Ambient °C - 0.8 PF |     | STANDBY-163/27 |      |      |      | STANDBY-150/40 |      |      |      | H-125/40 |      |      |      | F-105/40 |      |      |      | B-80/40 |      |      |      |
|---------------------------------------------|-----|----------------|------|------|------|----------------|------|------|------|----------|------|------|------|----------|------|------|------|---------|------|------|------|
| Series Star Y                               |     | 380V           | 400V | 415V | 440V | 380V           | 400V | 415V | 440V | 380V     | 400V | 415V | 440V | 380V     | 400V | 415V | 440V | 380V    | 400V | 415V | 440V |
| Parallel Star YY                            |     | 190V           | 200V | 208V | 220V | 190V           | 200V | 208V | 220V | 190V     | 200V | 208V | 220V | 190V     | 200V | 208V | 220V | 190V    | 200V | 208V | 220V |
| Series Delta Δ                              |     | 220V           | 230V | 240V | 254V | 220V           | 230V | 240V | 254V | 220V     | 230V | 240V | 254V | 220V     | 230V | 240V | 254V | 220V    | 230V | 240V | 254V |
| Parallel Delta ΔΔ                           |     | 110V           | 115V | 120V | 127V | 110V           | 115V | 120V | 127V | 110V     | 115V | 120V | 127V | 110V     | 115V | 120V | 127V | 110V    | 115V | 120V | 127V |
| ECP34 1S4 C                                 | kVA | 96             | 96   | 96   | 79   | 93             | 93   | 93   | 77   | 87,5     | 87,5 | 87,5 | 72   | 79       | 79   | 79   | 65   | 70      | 70   | 70   | 58   |
|                                             | kW  | 77             | 77   | 77   | 63   | 74             | 74   | 74   | 62   | 70       | 70   | 70   | 58   | 63       | 63   | 63   | 52   | 56      | 56   | 56   | 46   |
| ECP34 2S4 C                                 | kVA | 110            | 110  | 110  | 88   | 105            | 105  | 105  | 86   | 100      | 100  | 100  | 80   | 90       | 90   | 90   | 72   | 80      | 80   | 80   | 64   |
|                                             | kW  | 88             | 88   | 88   | 70   | 84             | 84   | 84   | 69   | 80       | 80   | 80   | 64   | 72       | 72   | 72   | 58   | 64      | 64   | 64   | 51   |
| ECP34 1M4 C                                 | kVA | 137            | 137  | 137  | 117  | 132            | 132  | 132  | 112  | 125      | 125  | 125  | 106  | 112      | 112  | 112  | 96   | 100     | 100  | 100  | 85   |
|                                             | kW  | 110            | 110  | 110  | 94   | 106            | 106  | 106  | 90   | 100      | 100  | 100  | 85   | 90       | 90   | 90   | 77   | 80      | 80   | 80   | 68   |
| ECP34 2M4 C                                 | kVA | 148            | 148  | 148  | 125  | 143            | 143  | 143  | 120  | 135      | 135  | 135  | 114  | 121      | 121  | 121  | 103  | 108     | 108  | 108  | 91   |
|                                             | kW  | 118            | 118  | 118  | 100  | 114            | 114  | 114  | 96   | 108      | 108  | 108  | 91   | 97       | 97   | 97   | 82   | 86      | 86   | 86   | 73   |
| ECP34 1L4 C                                 | kVA | 165            | 165  | 165  | 137  | 158            | 158  | 158  | 131  | 150      | 150  | 150  | 125  | 136      | 136  | 136  | 113  | 120     | 120  | 120  | 100  |
|                                             | kW  | 132            | 132  | 132  | 110  | 126            | 126  | 126  | 105  | 120      | 120  | 120  | 100  | 109      | 109  | 109  | 90   | 96      | 96   | 96   | 80   |
| ECP34 2L4 C                                 | kVA | 176            | 181  | 181  | 170  | 169            | 174  | 174  | 163  | 160      | 165  | 165  | 155  | 144      | 149  | 149  | 139  | 128     | 132  | 132  | 124  |
|                                             | kW  | 141            | 145  | 145  | 136  | 135            | 139  | 139  | 130  | 128      | 132  | 132  | 124  | 115      | 119  | 119  | 111  | 102     | 106  | 106  | 99   |

Ratings 60Hz

| kVA / kW @ Temp. Rise / Ambient °C - 0.8 PF |     | STANDBY-163/27 |      |      |      | STANDBY-150/40 |      |      |      | H-125/40 |      |      |      | F-105/40 |      |      |      | B-80/40 |      |      |      |
|---------------------------------------------|-----|----------------|------|------|------|----------------|------|------|------|----------|------|------|------|----------|------|------|------|---------|------|------|------|
| Series Star Y                               |     | 415V           | 440V | 460V | 480V | 415V           | 440V | 460V | 480V | 415V     | 440V | 460V | 480V | 415V     | 440V | 460V | 480V | 415V    | 440V | 460V | 480V |
| Parallel Star YY                            |     | 208V           | 220V | 230V | 240V | 208V           | 220V | 230V | 240V | 208V     | 220V | 230V | 240V | 208V     | 220V | 230V | 240V | 208V    | 220V | 230V | 240V |
| Series Delta Δ                              |     | 240V           | 254V | 265V | 277V | 240V           | 254V | 265V | 277V | 240V     | 254V | 265V | 277V | 240V     | 254V | 265V | 277V | 240V    | 254V | 265V | 277V |
| Parallel Delta ΔΔ                           |     | 120V           | 127V | 133V | 138V | 120V           | 127V | 133V | 138V | 120V     | 127V | 133V | 138V | 120V     | 127V | 133V | 138V | 120V    | 127V | 133V | 138V |
| ECP34 1S4 C                                 | kVA | 108            | 115  | 115  | 115  | 104            | 111  | 111  | 111  | 98       | 105  | 105  | 105  | 88       | 95   | 95   | 95   | 78      | 84   | 84   | 84   |
|                                             | kW  | 86             | 92   | 92   | 92   | 83             | 89   | 89   | 89   | 78       | 84   | 84   | 84   | 70       | 76   | 76   | 76   | 62      | 67   | 67   | 67   |
| ECP34 2S4 C                                 | kVA | 120            | 132  | 132  | 132  | 114            | 126  | 126  | 126  | 110      | 120  | 120  | 120  | 99       | 109  | 109  | 109  | 88      | 96   | 96   | 96   |
|                                             | kW  | 96             | 106  | 106  | 106  | 91             | 101  | 101  | 101  | 88       | 96   | 96   | 96   | 79       | 87   | 87   | 87   | 70      | 77   | 77   | 77   |
| ECP34 1M4 C                                 | kVA | 143            | 154  | 165  | 165  | 137            | 147  | 159  | 159  | 130      | 140  | 150  | 150  | 116      | 125  | 135  | 135  | 104     | 112  | 120  | 120  |
|                                             | kW  | 114            | 123  | 132  | 132  | 110            | 118  | 127  | 127  | 104      | 112  | 120  | 120  | 93       | 100  | 108  | 108  | 83      | 90   | 96   | 96   |
| ECP34 2M4 C                                 | kVA | 154            | 165  | 178  | 178  | 148            | 159  | 172  | 172  | 140      | 150  | 162  | 162  | 125      | 135  | 146  | 146  | 112     | 120  | 130  | 130  |
|                                             | kW  | 123            | 132  | 142  | 142  | 118            | 127  | 138  | 138  | 112      | 120  | 130  | 130  | 100      | 108  | 117  | 117  | 90      | 96   | 104  | 104  |
| ECP34 1L4 C                                 | kVA | 165            | 187  | 198  | 198  | 158            | 178  | 189  | 189  | 150      | 170  | 180  | 180  | 132      | 150  | 163  | 163  | 120     | 136  | 144  | 144  |
|                                             | kW  | 132            | 150  | 158  | 158  | 126            | 142  | 151  | 151  | 120      | 136  | 144  | 144  | 106      | 120  | 130  | 130  | 96      | 109  | 115  | 115  |
| ECP34 2L4 C                                 | kVA | 187            | 210  | 218  | 218  | 179            | 201  | 208  | 208  | 170      | 191  | 198  | 198  | 155      | 165  | 178  | 178  | 136     | 153  | 158  | 158  |
|                                             | kW  | 150            | 168  | 174  | 174  | 143            | 161  | 166  | 166  | 136      | 153  | 158  | 158  | 124      | 132  | 142  | 142  | 109     | 122  | 126  | 126  |

# ECP34 C

Easy to assemble so reducing the time to produce.

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

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

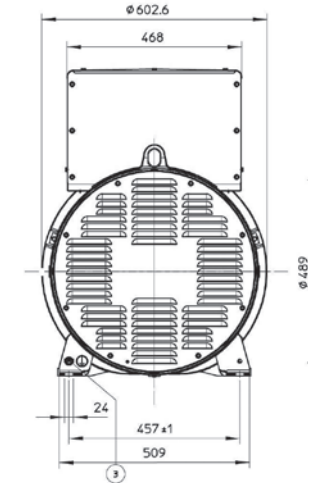
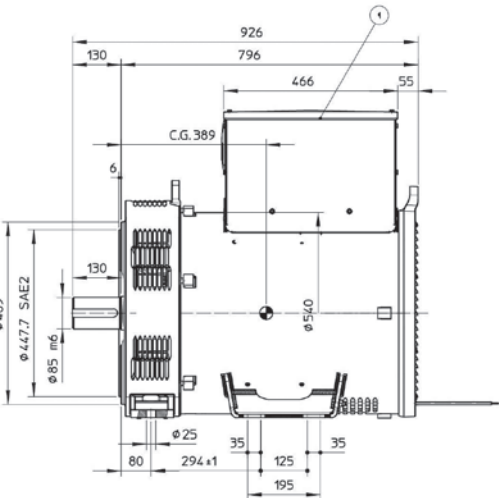


The fan has been redesigned to increase cooling effect.

Can supply 87.5 kVA to 165 kVA across 6 models (50Hz).

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





**EC038 1M4 C**  
Drawing of model EC038 1M4 C  
measurements in mm, for full tech  
drawings please refer to website.

Ratings 50Hz

| kVA / kW @ Temp. Rise / Ambient °C - 0.8 PF |          | STANDBY-163/27 |      |      |      | STANDBY-150/40 |      |      |      | H-125/40 |      |      |      | F-105/40 |      |      |      | B-80/40 |      |      |      |
|---------------------------------------------|----------|----------------|------|------|------|----------------|------|------|------|----------|------|------|------|----------|------|------|------|---------|------|------|------|
| Series                                      | Star Y   | 380V           | 400V | 415V | 440V | 380V           | 400V | 415V | 440V | 380V     | 400V | 415V | 440V | 380V     | 400V | 415V | 440V | 380V    | 400V | 415V | 440V |
| Parallel                                    | Star YY  | 190V           | 200V | 208V | 220V | 190V           | 200V | 208V | 220V | 190V     | 200V | 208V | 220V | 190V     | 200V | 208V | 220V | 190V    | 200V | 208V | 220V |
| Series                                      | Delta Δ  | 220V           | 230V | 240V | 254V | 220V           | 230V | 240V | 254V | 220V     | 230V | 240V | 254V | 220V     | 230V | 240V | 254V | 220V    | 230V | 240V | 254V |
| Parallel                                    | Delta ΔΔ | 110V           | 115V | 120V | 127V | 110V           | 115V | 120V | 127V | 110V     | 115V | 120V | 127V | 110V     | 115V | 120V | 127V | 110V    | 115V | 120V | 127V |
| EC038 1S4 C                                 | kVA      | 196            | 196  | 196  | 180  | 188            | 188  | 188  | 173  | 180      | 180  | 180  | 165  | 170      | 170  | 170  | 155  | 144     | 144  | 144  | 132  |
|                                             | kW       | 157            | 157  | 157  | 144  | 150            | 150  | 150  | 138  | 144      | 144  | 144  | 132  | 136      | 136  | 136  | 124  | 115     | 115  | 115  | 106  |
| EC038 2S4 C                                 | kVA      | 220            | 220  | 220  | 209  | 211            | 211  | 211  | 200  | 200      | 200  | 200  | 190  | 185      | 185  | 185  | 175  | 160     | 160  | 160  | 152  |
|                                             | kW       | 176            | 176  | 176  | 167  | 169            | 169  | 169  | 160  | 160      | 160  | 160  | 152  | 148      | 148  | 148  | 140  | 128     | 128  | 128  | 122  |
| EC038 1M4 C                                 | kVA      | 250            | 250  | 250  | 234  | 237            | 237  | 237  | 221  | 225      | 225  | 225  | 210  | 207      | 207  | 207  | 190  | 180     | 180  | 180  | 168  |
|                                             | kW       | 200            | 200  | 200  | 187  | 190            | 190  | 190  | 177  | 180      | 180  | 180  | 168  | 166      | 166  | 166  | 152  | 144     | 144  | 144  | 134  |
| EC038 2M4 C                                 | kVA      | 275            | 275  | 275  | 253  | 264            | 264  | 264  | 243  | 250      | 250  | 250  | 230  | 230      | 230  | 215  | 200  | 200     | 200  | 200  | 184  |
|                                             | kW       | 220            | 220  | 220  | 202  | 211            | 211  | 211  | 194  | 200      | 200  | 200  | 184  | 184      | 184  | 172  | 160  | 160     | 160  | 160  | 147  |
| EC038 1L4 C                                 | kVA      | 330            | 330  | 330  | 319  | 315            | 315  | 315  | 305  | 300      | 300  | 300  | 290  | 275      | 275  | 275  | 265  | 240     | 240  | 240  | 232  |
|                                             | kW       | 264            | 264  | 264  | 255  | 252            | 252  | 252  | 244  | 240      | 240  | 240  | 232  | 220      | 220  | 220  | 212  | 192     | 192  | 192  | 186  |
| EC038 2L4 C                                 | kVA      | 370            | 370  | 370  | 360  | 360            | 360  | 360  | 350  | 350      | 350  | 350  | 340  | 320      | 320  | 320  | 310  | 280     | 280  | 280  | 272  |
|                                             | kW       | 296            | 296  | 296  | 288  | 288            | 288  | 288  | 280  | 280      | 280  | 280  | 272  | 256      | 256  | 256  | 248  | 224     | 224  | 224  | 218  |

Ratings 60Hz

| kVA / kW @ Temp. Rise / Ambient °C - 0.8 PF |          | STANDBY-163/27 |      |      |      | STANDBY-150/40 |      |      |      | H-125/40 |      |      |      | F-105/40 |      |      |      | B-80/40 |      |      |      |
|---------------------------------------------|----------|----------------|------|------|------|----------------|------|------|------|----------|------|------|------|----------|------|------|------|---------|------|------|------|
| Series                                      | Star Y   | 415V           | 440V | 460V | 480V | 415V           | 440V | 460V | 480V | 415V     | 440V | 460V | 480V | 415V     | 440V | 460V | 480V | 415V    | 440V | 460V | 480V |
| Parallel                                    | Star YY  | 208V           | 220V | 230V | 240V | 208V           | 220V | 230V | 240V | 208V     | 220V | 230V | 240V | 208V     | 220V | 230V | 240V | 208V    | 220V | 230V | 240V |
| Series                                      | Delta Δ  | 240V           | 254V | 265V | 277V | 240V           | 254V | 265V | 277V | 240V     | 254V | 265V | 277V | 240V     | 254V | 265V | 277V | 240V    | 254V | 265V | 277V |
| Parallel                                    | Delta ΔΔ | 120V           | 127V | 133V | 138V | 120V           | 127V | 133V | 138V | 120V     | 127V | 133V | 138V | 120V     | 127V | 133V | 138V | 120V    | 127V | 133V | 138V |
| EC038 1S4 C                                 | kVA      | 225            | 236  | 236  | 236  | 220            | 230  | 230  | 230  | 210      | 220  | 220  | 220  | 195      | 205  | 205  | 205  | 168     | 176  | 176  | 176  |
|                                             | kW       | 180            | 189  | 189  | 189  | 176            | 184  | 184  | 184  | 168      | 176  | 176  | 176  | 156      | 164  | 164  | 164  | 134     | 141  | 141  | 141  |
| EC038 2S4 C                                 | kVA      | 253            | 264  | 264  | 264  | 242            | 253  | 253  | 253  | 230      | 240  | 240  | 240  | 210      | 220  | 220  | 220  | 184     | 192  | 192  | 192  |
|                                             | kW       | 202            | 211  | 211  | 211  | 194            | 202  | 202  | 202  | 184      | 192  | 192  | 192  | 168      | 176  | 176  | 176  | 147     | 154  | 154  | 154  |
| EC038 1M4 C                                 | kVA      | 289            | 300  | 300  | 300  | 274            | 284  | 284  | 284  | 260      | 270  | 270  | 270  | 240      | 250  | 250  | 250  | 208     | 216  | 216  | 216  |
|                                             | kW       | 231            | 240  | 240  | 240  | 219            | 227  | 227  | 227  | 208      | 216  | 216  | 216  | 192      | 200  | 200  | 200  | 166     | 173  | 173  | 173  |
| EC038 2M4 C                                 | kVA      | 319            | 330  | 330  | 330  | 305            | 316  | 316  | 316  | 290      | 300  | 300  | 300  | 270      | 280  | 280  | 280  | 232     | 240  | 240  | 240  |
|                                             | kW       | 255            | 264  | 264  | 264  | 244            | 253  | 253  | 253  | 232      | 240  | 240  | 240  | 216      | 224  | 224  | 224  | 186     | 192  | 192  | 192  |
| EC038 1L4 C                                 | kVA      | 358            | 374  | 396  | 396  | 341            | 357  | 378  | 378  | 325      | 340  | 360  | 360  | 300      | 310  | 330  | 330  | 260     | 272  | 288  | 288  |
|                                             | kW       | 286            | 299  | 317  | 317  | 273            | 286  | 302  | 302  | 260      | 272  | 288  | 288  | 240      | 248  | 264  | 264  | 208     | 218  | 230  | 230  |
| EC038 2L4 C                                 | kVA      | 402            | 444  | 444  | 444  | 391            | 432  | 432  | 438  | 380      | 420  | 420  | 420  | 350      | 385  | 385  | 385  | 304     | 336  | 336  | 336  |
|                                             | kW       | 322            | 355  | 355  | 355  | 313            | 346  | 346  | 350  | 304      | 336  | 336  | 336  | 280      | 308  | 308  | 308  | 243     | 269  | 269  | 269  |

EC038 C

12 wire output leads, giving you all the options for immediate connection to the majority of worldwide voltages 50/60Hz. Double terminal board, busbar connectors optional.

Flexibility 1st: Easy retrofit cartridge heaters [adjust stock machines, change voltage etc – easy].

Flexibility 1st: Easy upgrades from IP23 to IP23DP, IP43 and IP45 [derates applicable].



MAUX as standard and PMG optional [factory fit].

New frame design with exciter now inboard of the rear bearing. Preservation of foot position to outgoing model.

Safety 1st: Large metal terminal box, with easy access to forward facing AVR [access potentiometers, connect interface to PC without opening terminal box [low sloping box available].

Safety 1st: Plastic AVR cover has integrated potentiometer adjuster and access holes for volts trim and stability.



# Mecc Alte continues to lead the industry.

## Italian heritage.

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

They are altogether unique in their industry and take immense pride in the creation and maintenance of their reputation and specialisation. Not content to stop there they have taken on the challenge to become continually innovate by going back to the drawing board with their latest range – C-Type.

## Global availability.

Our alternators 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 after sales care for all Mecc Alte products in their particular locality. This ensures a universally high and professional standard of authentically global after sales support for all customers.

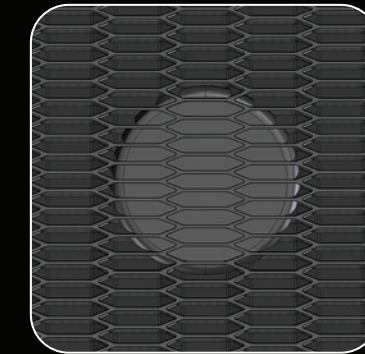
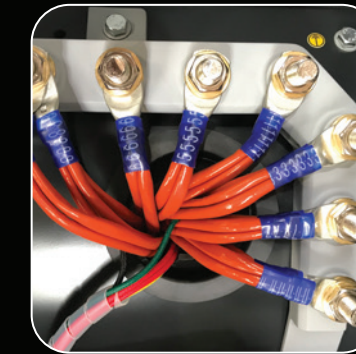
## Our commitment to excellence.

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

All are tested to ensure conformity to the ISO 9001 quality specification and ISO 18001 process qualification for health and safety. We exceed even the strictest of international and organisational standards.

All our factories are equipped with state of art equipment ensuring precision, dependable processes and maximum results across the board. We also have ISO 14001 which certifies our processes achieve minimal environmental impact.

# C-TYPE



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

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