

DATRON EVO 600

Next Generation Dispensing



DATRON

THE FUTURE OF DISPENSING

Excellent Dispensing Quality

Our progressive pump control system ensures outstanding results in form of constant bead cross-sections. This reduces the risk of faulty parts and saves you money and time during quality assurance.

We Make Dispensing Easier than Ever!

The DATRON next control lies at the heart of our production technology. It simplifies the most complex tasks for you and ensures top process reliability for your productive processes.

Productivity Redefined

Achieve maximum efficiency with the DATRON evo 600. Whether high capacity utilization or smaller batch volumes - saving time means saving money.

Our Focus is on People

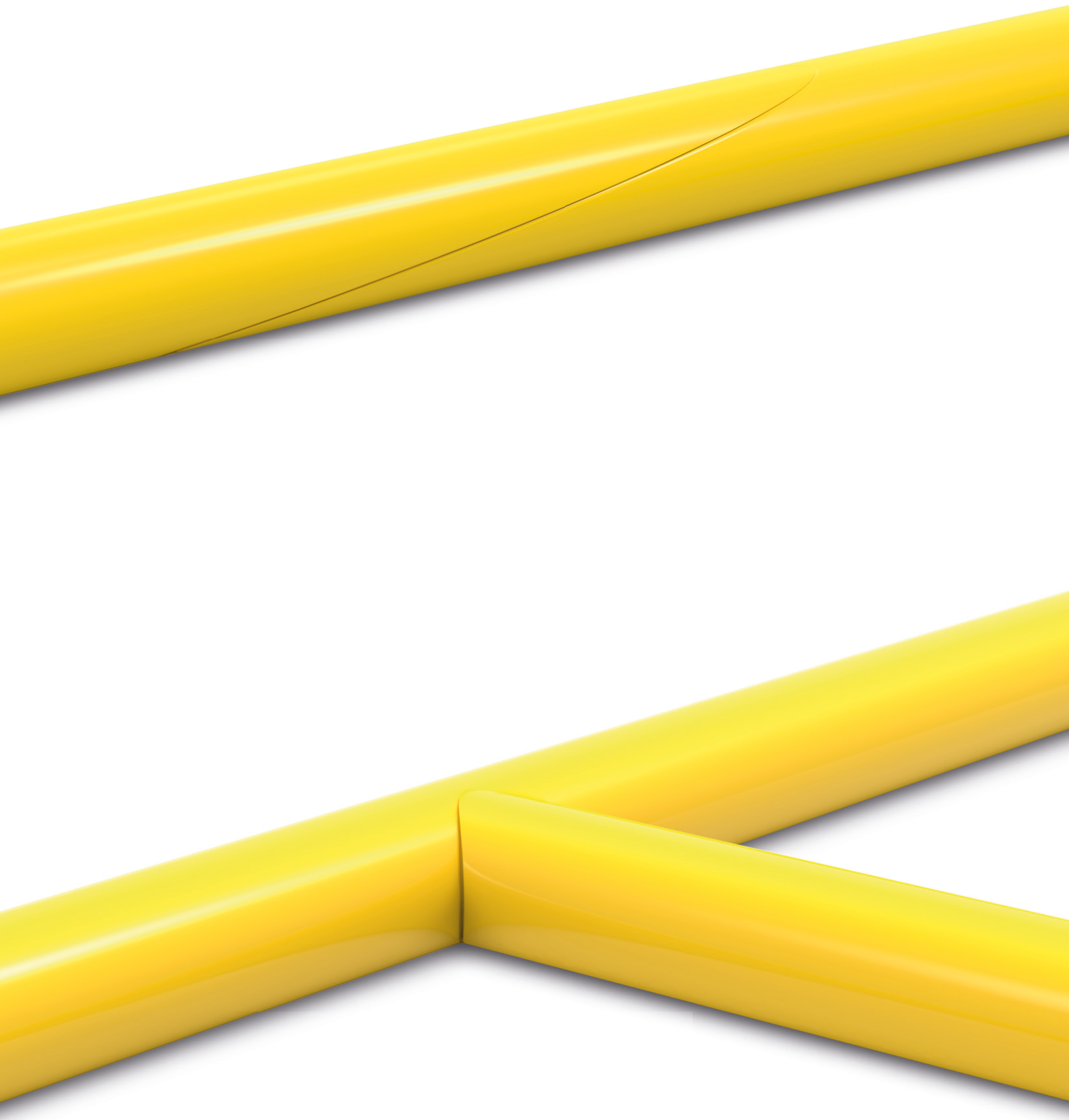
Specifically developed for the operator, the ergonomic design and the intuitive software provide an optimal user experience. When the focus is on people, success is pre-programmed.

Unlimited Opportunities

Flexible to meet your individual needs! In times of shorter product life cycles, respond quickly to changing conditions and minimize your investment risk.



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industrial design



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EXCELLENT DISPENSING QUALITY

A steady dispensing quality reduces the risk of faulty parts and saves material and time during quality assurance. This not only protects our environment, but also reduces your costs.

Intelligent Dispensing Technology

- Speed-dependent dispensing intelligently matches the movements of the axis system with the dispensing volume to not only ensure optimized cycle times but also to yield the best possible dispensing result.
- Every dispensing application has individual requirements. To guarantee top dispensing quality, the axis system and the dispensing pump work in absolute harmony, so that the specific flow properties of each dispensing material and the workpiece geometry are directly considered. This not only enables you to achieve the best possible dispensing quality for your application but also gives you full control of your process parameter it also enables you to respond quickly to changing production conditions.
- DATRON dispensing technology ensures a constant bead cross-section along the entire dispensing contour. Because of the precise adjustment of the dispensing quantity and the use of special ramp and wiping strategies, visible thickening rarely occurs even at critical points, such as in start/stop areas and at docking points. As a result, dispensing is uniform and precise and meets highest quality standards.

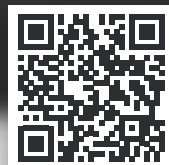
Technological Strength

- The axis system of the DATRON evo 600 meets highest precision requirements and, in conjunction with advanced sensor technology for workpiece and needle measurement ensures an outstanding repetitive accuracy of your dispensing results. You can rely on DATRON for consistent quality and reliability in any dispensing process.





Use QR code for
more information



[www.datron.de/
evo600-datronnext-en](http://www.datron.de/evo600-datronnext-en)

DATRON

DISPENSING EASIER THAN EVER!

The DATRON next control lies at the heart of our production technology. Because of the continuous further development, you always profit from the latest functionalities which ensures the future viability of your production. The intuitive operating concept simplifies processes and reduces training expenses. Our pioneering software options allow you to further reduce error rates and to significantly lower subsequent costs.

Reach Your Goals Easily with DATRON next

- Whether setup or producing, thanks to the machine interface that is specially designed to meet the needs in the world of dispensing, the operator can keep an eye on the relevant data for the next process step. The intuitive operating concept makes working with the DATRON next control as easy as operating a smartphone. The camera options offer additional support.
- The DATRON next control system takes you effortlessly from the idea to the finished dispensing process. Pre-designed templates make the creation of new dispensing programs possible in only a few steps. The technology management offers full control of all process parameters and allows quick optimization of existing dispensing programs, even if a large range of variants is required.

Smart Options for Your Process

- Don't leave anything up to chance and save valuable time in quality assurance. The innovative workpiece measurement of the DATRON next control facilitates a highly precise scanning of the height profile of the entire dispensing contour and automatically adjusts the dispensing height to the desired measuring result.
- Additional options for quality control are provided by a fully automated measurement of the dispensing bead following the same principle. In case of errors in the dispensing bead, operators receive a corresponding warning.

Connections Create Future-Oriented Production

- Connectivity is an essential factor for progress. The DATRON next control provides you with reliable solutions for seamless communication between your various systems. Record and monitor your process data effortlessly and integrate the DATRON next smoothly in your overall production environment.
- You are well-equipped for efficient and sustainably designed manufacturing.

DATRON

PRODUCTIVE, USER-FRIENDLY & FLEXIBLE

Productivity Redefined

Maximize your output at high capacity utilization or enjoy “more time for other things” with smaller production quantities. Every reduction in cycle time also means a reduction of cost per piece. The high productivity of the DATRON evo 600 therefore offers an essential basis for an economic dispensing process.

- The intelligent pump control not only guarantees excellent dispensing quality, but also adjusts itself continuously to the dispensing contour to reach the maximum dispensing speed at all times. And all that with a consistent bead profile.
- The DATRON evo 600 was specifically designed for use in industrial series production. Our portfolio offers comprehensive solutions to drastically reduce the peak and off-peak times of your production process. You can further increase the performance of your series production and remain competitive.

Our Focus is on People

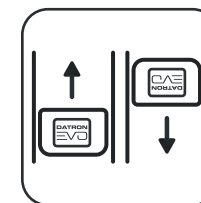
At DATRON, the focus is on people. For this reason, we have dedicated our entire product development to the operator. From ergonomic machine design to intuitive programming – everything is made to make working as easy and efficient as possible.

- While conveyor belts and robots perform the work on automated production lines, the operator plays an important role for systems with manual loading. This is precisely the reason why the cabin of the DATRON evo 600 was designed for maximum ergonomics and userfriendliness.
- The open cabin design with a wide entry opening makes loading and changeover easier. At the same time, the operator has an overview of the entire process.
- The DATRON next control system is the intuitive interface between man and machine and rounds up the total package.

Unlimited Opportunities

The DATRON evo 600 was developed for the best possible adaptation to individual requirements. At a time where product life cycles are becoming increasingly shorter, we are offering the necessary flexibility to respond to changing conditions and this reduce your investment risk.

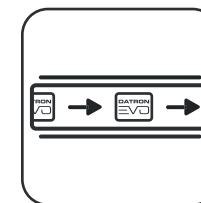
- Precisely the right production solution for your application. The broad spectrum of equipment options gives you the chance to tailor the DATRON evo 600 precisely to your individual needs.
- In a dynamic world, flexibility is the basis for your ability to compete. The DATRON evo 600 was designed to adapt to your production volumes and can be converted with little effort to a fully integrated system or for manual loading.
- Whether for manual loading or fully automated component supply, adapting the DATRON evo 600 plug & play solution to the various project requirements is as simple as it gets. This reduces expenses for the construction and integration of your manufacturing line and makes a quick start of production possible.



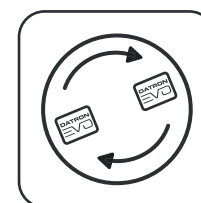
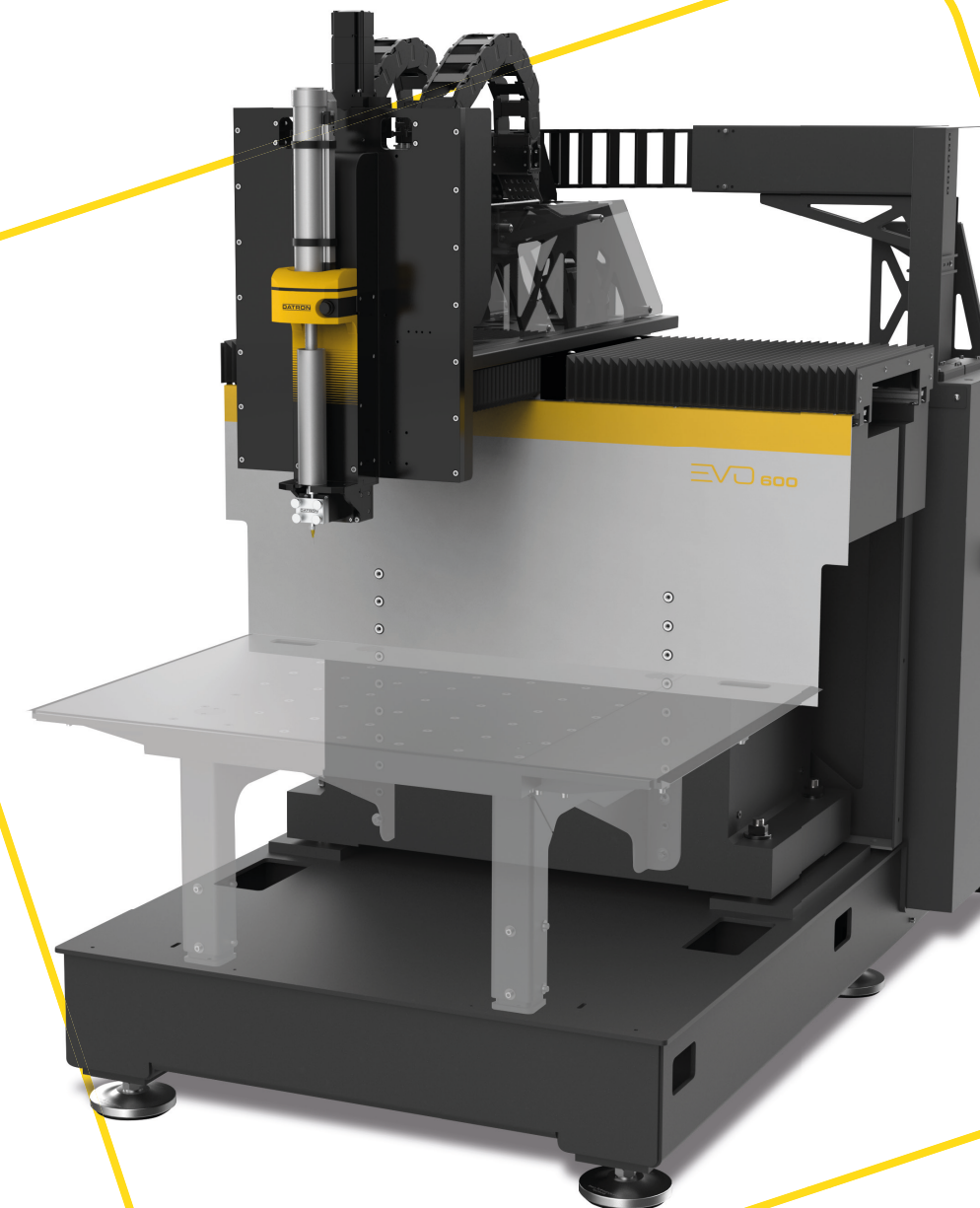
Changing Table



Robot



Conveyor

Rotary Indexing
Table

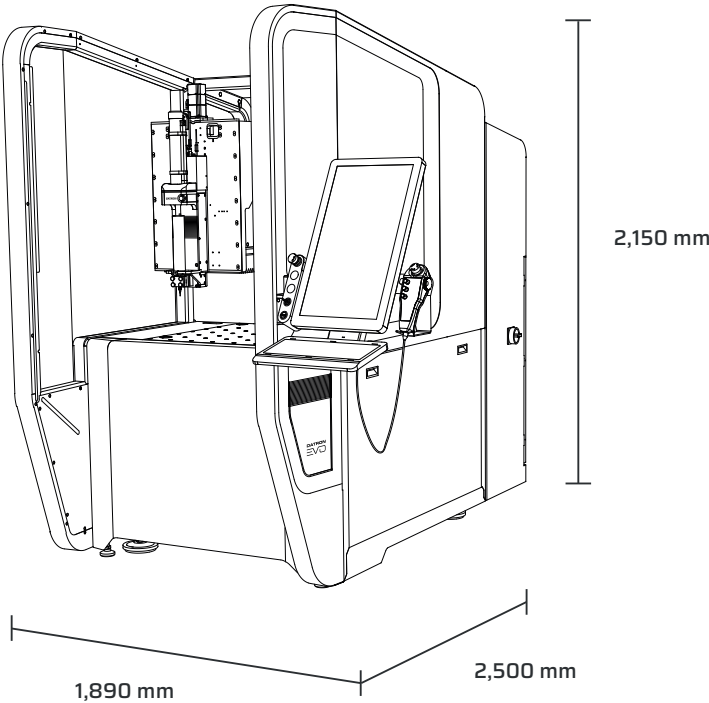
DATRON

evo 600

With the DATRON evo 600, experience a dispensing machine that revolutionizes your production processes. Achieve outstanding dispensing results thanks to the innovative DATRON next control and our precise dispensing technology. The open cabin not only offers easy access for loading and unloading but also guarantees the highest possible level of safety with integrated light curtains. The user-friendly operating interface of the future-oriented DATRON next control offers intuitive handling while the modular design offers flexibility for the configuration. Maximize your efficiency and future viability with the DATRON evo 600.



Technical Data



Use QR code for more information



www.datron.de/
evo600-en

DATRON evo 600	
Machine construction	CNC axis system with table and cabin
Maximum work piece height	250 mm (factory increase to 450 mm possible)
Traversing speed X, Y	up to 50 m/min
Traversing speed Z	up to 23 m/min
Traversing area (XxYxZ)	620 mm x 515 mm x 240 mm
Machining table	Aluminum table with M6 taper thread grid (100 mm x 100 mm)
Control system / software	DATRON next
Operating terminal	24" multi-touch screen with additional manual control panel
Safety concept	Safety light curtain type 4
Drive system	Digital servo drives
Compressed air supply	6.5 bar, purity class ISO8573-1:2010 [3 : 4 : 3]
Electrical connection	400 V, CEE 16 A, 4.5 kVA
Installation dimensions with operating terminal (WxDxH)	1,890 mm x 2,500 mm x 2,150 mm
Installation dimensions without operating terminal (WxDxH)	1,290 mm x 2,200 mm x 2,150 mm
Weight	approx. 1,900 kg

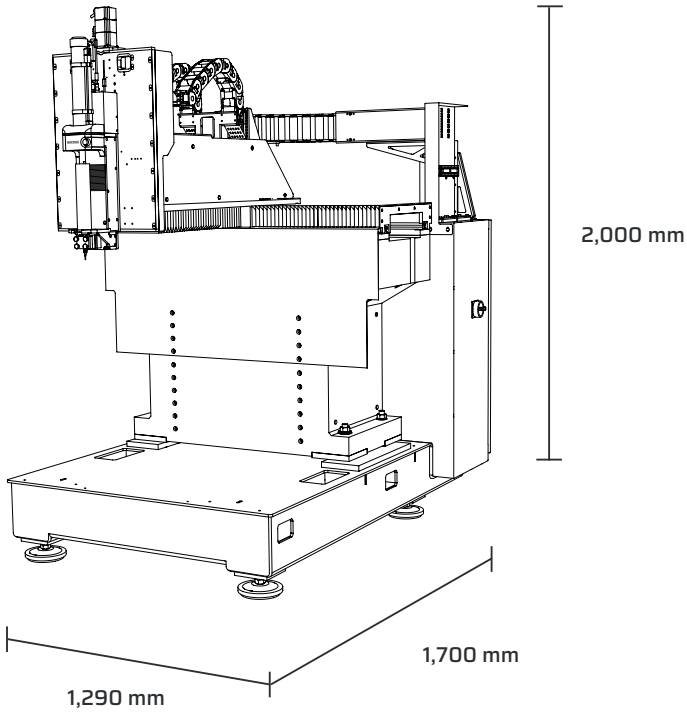
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evo 600 integrate

The DATRON evo 600 integrate combines the outstanding features of the DATRON evo 600 and additionally offers maximum flexibility for the integration in fully automated manufacturing lines. This version without a cabin, a solid base frame and a machining table that can be lowered, was developed to ensure the highest possible degree of flexibility and efficiency. The simple connection options for customized workpiece loading makes it an optimal solution for high volume industrial manufacturing.



Technical Data



Use QR code for more information



www.datron.de/evo600-integrate-en

DATRON evo 600 integrate	
Machine construction	CNC axis system with table and cabin
Maximum work piece height	860 mm
Traversing speed X, Y	up to 50 m/min
Traversing speed Z	up to 23 m/min
Traversing area (XxYxZ)	620 mm x 515 mm x 240 mm
Machining table	customized or optional aluminum table with M6 taper thread grid (100 mm x 100 mm)
Control system / software	DATRON next
Operating terminal	24" multi-touch screen with additional manual control panel, installation on customized cabin
Safety concept	customized
Drive system	Digital servo drives
Compressed air supply	6.5 bar, purity class ISO8573-1:2010 [3 : 4 : 3]
Electrical connection	400 V, CEE 16 A, 4.5 kVA
Installation dimensions with operating terminal (WxDxH)	customized
Installation dimensions without operating terminal (WxDxH)	1,290 mm x 1,700 mm x 2,000 mm
Weight	approx. 1,600 kg (incl. operating terminal)

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Lined area for notes on page 15.



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Gefördert durch:



Bundesministerium
für Wirtschaft
und Energie

aufgrund eines Beschlusses
des Deutschen Bundestages



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