

# FRIAMAT basic eco

## Fusion unit without documentation function

Powerful universal fusion unit FRIAMAT basic eco

- State-of-the-art toroidal transformer technology with active cooling
- Bright colour TFT display
- With mini-scanner, reader wand or 1D/2D scanner (2D barcodes according to ISO 12176-5)
- Extra long fusion cable (4 m)
- Extra long power cable (5 m)
- Weight approx. 18.0 kg

**Note:**

Possibility of updating the FRIAMAT software via the USB interface by the user.



Reference	Design	Weight kg	BX
611120	With mini scanner	18,000	1
613120	With reader wand	18,000	1
614120	With 1D/2D scanner	18,000	1

Technical data 1)	FRIAMAT basic eco 2)
Type of device	Universal fusion unit without documentation function
Model with mini scanner	Order no. 611120
Model with reader wand	Order no. 613120
Model with 1D/2D scanner	Order no. 614120
Maximum diameter	Up to d 1200 3)
Input voltage section	AC 190 V - 250 V
Frequency range	44 Hz ... 66 Hz

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Current consumption	AC 16 A maximum
Power	3.5 kW
Unit fuse	16 A sluggish
Welding tension	8 - 48 V
Output current	maximum 110 A
Welding current monitoring	Short circuit and interruption
Barcode type	1D-Code 2/5 interleaved; 2D-Code (QR; Aztec; Data Matrix) according to ISO 12176-5
Interface	USB
Documentation of fusion data	no
Documentation of traceability data	no
Data memory	no
Log format	-
Manual emergency barcode input	yes
FRIAMAT preCHECK function	yes
Software update via USB interface	-
Fusion-Pass	-
Supervisor-Pass	-
Start/stop pass for remote control	optional (order no. 624003)
Working temperature range	-20 °C ... +50 °C
Language variants	23
Connection cable	5 m with contour plug
Fusion cable	4 m with connection plug Ø 4 mm
Weight	approx. 18 kg
Dimensions W x D x H	260 x 500 x 340 mm
Casing	Protection category IP 54 / protection category I
Approval / quality	CE, ISO 9001, WEEE-Reg.-No. DE 49130851, RoHS, REACH
Accessories	Operating instructions, transport box

<sup>1)</sup> Subject to technical modifications.

<sup>2)</sup> From year of construction (Q2/2021)

<sup>3)</sup> With the FRIAMAT basic eco, FRIALEN and FRIAFIT safety fittings up to d 900 can be fused in the entire working temperature range from -20 °C to +50 °C.

Utilising processing fittings from other manufacturers is possible even up to d 1200 and possibly larger. However, the specific power requirement of the fitting at the prevailing processing temperature must always be clarified beforehand with the fitting manufacturer.

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## Fusion unit without documentation function

- High performance due to innovative toroidal transformer technology with flow-optimized, active cooling.
- High-resolution, extremely bright 4.3" TFT color display.
- With mini-scanner, reader wand or new 1D/2D scanner for reading 2D barcodes according to ISO 12176-5. Adapter bag, language selection, adjustable buzzer volume, manual emergency entry. Extra-long power cable (4 m) and extra-long fusion cable (5 m). Weight approx 18 kg.
- Continuous monitoring of the entire fusion process and all device functions.
- With FRIAMAT preCHECK function: The most advanced way to fuse with foresight. The FRIAMAT automatically determines whether the next fusion can be performed completely to the end.
- The user himself can install software updates via USB interface.