



## Arcam EBM Q20plus v2.0

The Arcam EBM Q20plus build envelope allows for producing large components and optimal stacking of smaller ones, while its build chamber interior is developed for easy powder handling and fast turn-around.

The Q20plus is upgraded with new improved high voltage unit and amplifier. It also has a new powder layering system similar to the Spectra platform.

### Technical Data

Max. build size	350 x 380 mm (Ø x H)
Max. beam power	3kW
Cathode type	Single crystalline
Min. beam diameter	140 µm
Max. EB translation speed	8,000 m/s
Active cooling	Water-cooled heat sink
Minimum chamber pressure	5 x 10 <sup>-4</sup> mbar
Typical build atmosphere	4 x 10 <sup>-3</sup> mbar (partial pressure of He)
He consumption, build process	4 l/h
He consumption, ventilation	100-150 l/build
Power supply	3 x 400 V, 32 A, 7 kW
Size approx.	2,400 x 1,300 x 2,945 mm (W x D x H)
Weight	2,900 kg
CAD interface	Standard: STL
Materials available	Arcam EBM Ti6Al4V Grade 5, P-Mtrl Arcam EBM Ti6Al4V Grade 23, P-Mtrl

- > Build envelope is designed for production of large parts
- > Arcam xQam for high-precision autocalibration
- > Arcam LayerQam for quality control of each layer

