



FORMIGA P 110

Technical Data

Effective building volume	200 mm x 250 mm x 330 mm (7.9 x 9.8 x 13 in)
Building speed (material-dependent)	up to 20 mm height/h (0.79 in/h)
Layer thickness (material-dependent)	typically 0.1 mm (0.004 in)
Support structure	not necessary
Laser type	CO ₂ , 30 W
Precision optics	F-theta-lens
Scan speed during build process	up to 5 m/s (16.4 ft/sec)
Power supply	16 A
Power consumption (nominal)	2 kW
Nitrogen generator	integrated (optional)
Compressed air supply	minimum 6,000 hPa; 10 m ³ /h (87 psi; 13.08 yd ³ /h)
Dimensions (B x D x H)	
Machine with powder containers and touch screen	1,320 mm x 1,067 mm x 2,204 mm (51.97 x 42.01 x 86.77 in)
Recommended installation space	3.2 m x 3.5 m x 3 m (126 x 137.8 x 118.1 in)
Weight	approx. 600 kg (1,323 lb)
Unpacking and sieving station	1,200 mm x 700 mm x 1,500 mm (47.24 x 27.56 x 59.06 in)
Powder mixing station	700 mm x 500 mm x 1,000 mm (27.56 x 19.69 x 39.37 in)
Data preparation	
Software	EOS RP Tools; Magics RP (Materialise)
CAD interface	STL. Optional: converter to all common formats
Network	Ethernet