



M3015

3000W UP TO 8000 W FIBER LASER

Item	Specification	Unit
Working range (X x Y)	3000 x 1500	mm
X-axis stroke	3050	mm
Y-axis stroke	1520	mm
Z-axis stroke	100	mm
Max. speed X-axis	140	m/min
Max. speed Y-axis	140	m/min
Max. speed Z-axis	45	m/min
Max. acceleration X-axis	15	m/s ²
Max. acceleration Y-axis	15	m/s ²
Max. acceleration Z-axis	25	m/s ²
Positioning accuracy	±0.05	mm
Position deviation	±0.03	mm
Machine weight	12700	kg
Machine dimensions (L x W x H)	7530 × 5140 × 2200	mm
Max. power consumption	8	kVA
Min. compressed air inlet pressure	6	bar
Max. compressed air inlet pressure	8	bar
Max. compressed air consumption	5	NI/s

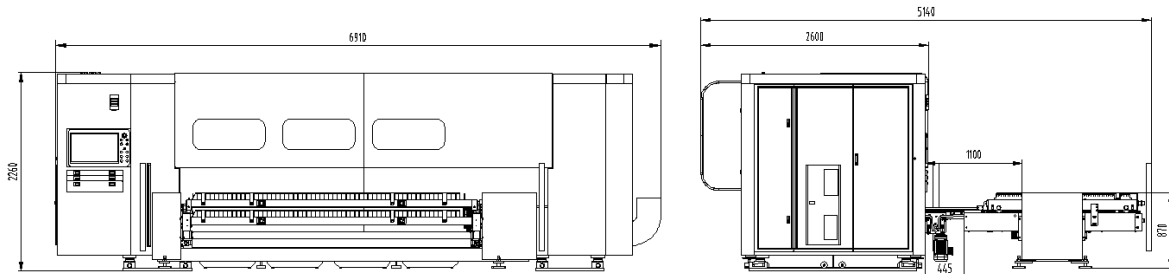
ELECTRICAL INSTALLATION REQUIREMENTS

Item	Specification	Unit
Power supply	3 x 380	V
Net frequency	50	Hz

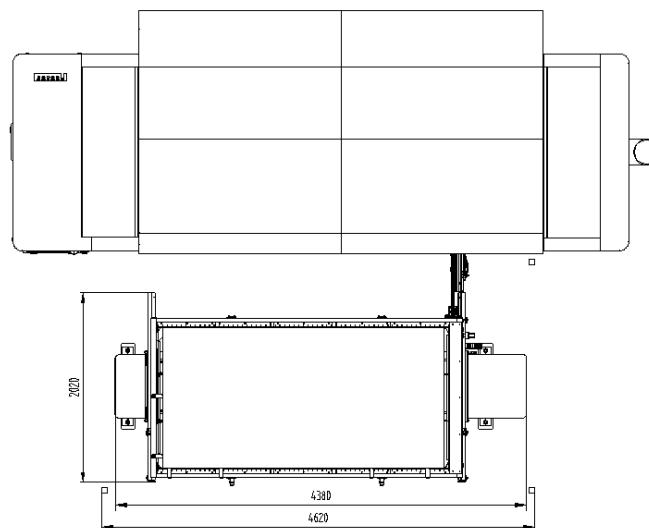
For more information contact sales.europe@prclaser.com

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MACHINE LAY-OUT



NOTE: Machine lay-out is for reference only, complete lay-out depends on the configuration of laser source, chiller, dust collector and depends on your specific requirements!



- **The PRC Laser Falcon M3015 is a compact high-dynamic 2D laser cutting machine designed for sheet metal formats of 3m x 1.5m.**
- **The underhanging flying optic gantry on centered X-axis concept allows for superior dynamics of the cutting process. Additionally, the entire main body of the machine is a solid and stiff structure. The advantage of this construction is that aggressive axis movements are possible without loss of accuracy in the cut parts.**
- **Especially designed for Fiber laser beam delivery, up to 8kW.**
- **Thanks to the underhanging gantry construction, the operator has ergonomic and easy access to the working area inside the machine. In addition, the cutting table(s) in the loading/unloading position are accessible from all four sides.**

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