09.11.2026

HD-FN 3015 MARS



TECHNICAL DATA		
Cutting Axes		
X Axis	3100	mm
Y Axis	1525	mm
Z Axis	330	mm
Max. Sheet Size	3048x1524	mm
Max. Sheet Weight Per Square Meter for One Table	400 (50mm full-size sheet)	kg/m2
Max. Total Sheet Weight for Double Table	3600	kg
Dynamics		
Max. Speed X-axis	100	m/min.
Max. Speed Y-axis	100	m/min.
Max. Synchronous Speed (X-Y)	141	m/min.
Max. Synchronous Acceleration	11	m/s^2
Positional Accuracy	± 0,05	mm
Repeatability	± 0,05	mm
Table Change Time	20	sec.
Control Unit		
CNC	FS Cut 8000	
Laser Cutting Head		
Type	Durma Cutting Head - BLT Series	
Focus Length	150 (6 kW) / 200 (for 12-20 kW)	
Focus	Automatic	
Filter		
Capacity	2500 (for 6 kW) / 4000 (for 12-20 kW)	m^3/h
Power	4 / 5.5	kw
Chiller		
Chiller for 6 kw	Durma DC-6000	
Chiller for 12 kw	Durma DC-12000	
Chiller for 20 kw	Durma DC-20000	

Max. Cutting Thickness depending on Laser Power*			
Material	**6 kW**	**12 kW**	**20 kW**
Mild Steel S235	25	30	40 (50)
Stainless Steel (304)	15 (20)	25 (30)	40 (50)
Aluminum (5083)	20 (25)	30 (40)	40 (50)
Copper	10	15	15
Brass (CuZn39 Pb3)	12	20	20

* Values given are for cutting with acceptable clean cutting surface. Values inside () are possible to cut, but some dross.

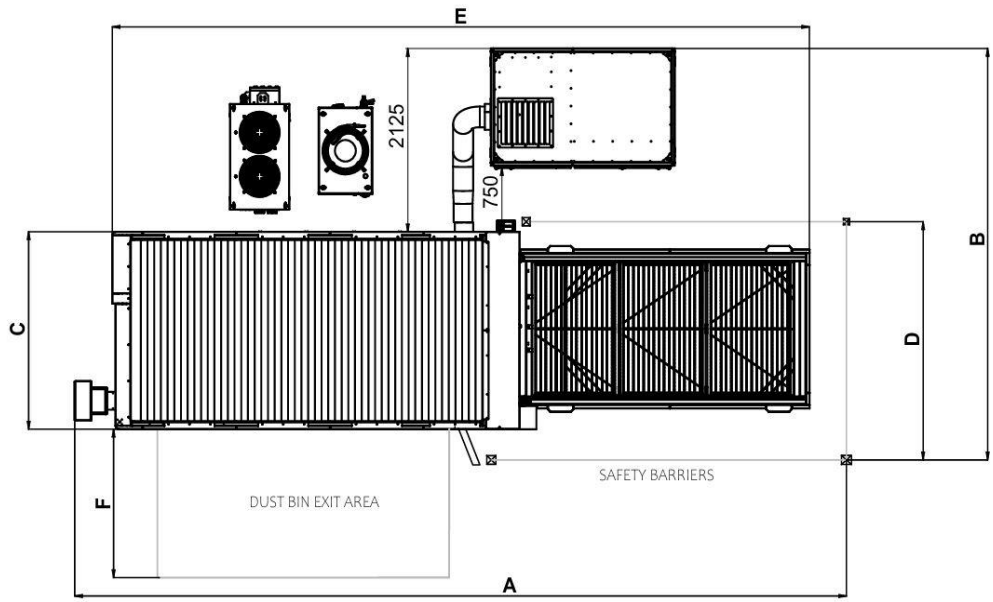
ELECTRICAL CONSUMPTIONS		
LASER SOURCE POWER		**AVERAGE CONSUMPTION (Kw)**
RESONATOR	6 kW	8,8
	12 kW	18,3
	20 kW	23,1
CHILLER 1	6 kW	7,8
	12 kW	8,1
	20 kW	8,1
FILTER	6 kW 12 - 20 kW	4 5,5
ELECTRICAL PANEL	6-12-20 kW	8,9

AVERAGE ELECTRICAL CONSUMPTION OF THE MACHINE (kW)		
TOTAL POWER	6 KW	29,5
	12 KW	40,8
	20 KW	45,6

LAYOUT AND DIMENSIONS

A	B	C	D	E	F
9500	4780	2290	3200	8330	1800

HEIGHT
2150



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Technische Änderungen und Irrtum vorbehalten