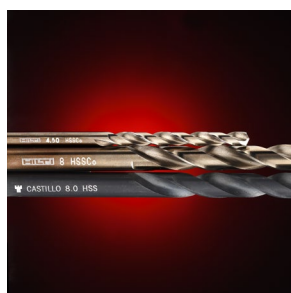
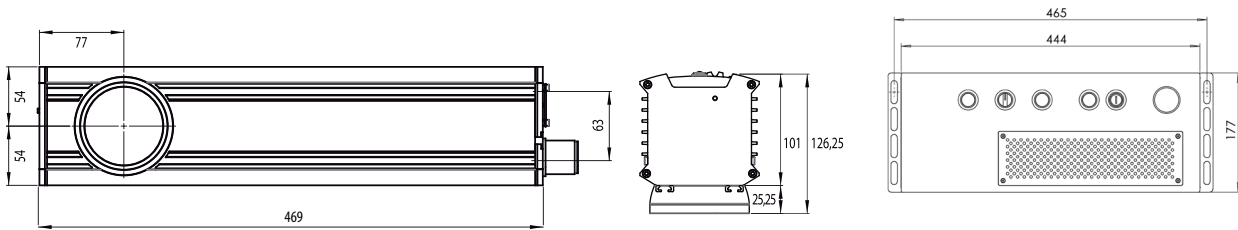


AB - F SERIES

METAL MARKING APPLICATIONS



AB - F SERIES



AB-F																
MODEL		AB-F 10		AB-F 20		AB-F 30		AB-F 50		AB-F 100		AB-F 100		AB-F 100		
POWER		10W		20W		30W		50W		100W		100W		100W		
WAVELENGTH		1064 nm														
FREQUENCY		10-200 kHz		20-200 kHz		30-200 kHz		50-200 kHz		100-200 kHz		100-200 kHz		100-200 kHz		
PULSE WIDTH		100ns														
MAINS SUPPLY		100V - 240V 50 / 60 Hz (1 Phase + N) 300 VA		100V - 240V 50 / 60 Hz (1 Phase + N) 350 VA		100V - 240V 50 / 60 Hz (1 Phase + N) 400 VA		100V - 240V 50 / 60 Hz (1 Phase + N) 600 VA		100V - 240V 50 / 60 Hz (1 Phase + N) 750 VA		100V - 240V 50 / 60 Hz (1 Phase + N) 750 VA		100V - 240V 50 / 60 Hz (1 Phase + N) 750 VA		
DIMENSIONS		Head		108 x 106.5 x 469 mm												
		Rack		444 x 177 x 548 mm								453 x 222 x 481 mm				
WEIGHT		Net weight: 23Kg - Gross Weight: 27Kg														
SYSTEM		Optical isolator and collimator of the laser source, galvanometric scanners built into the marking head. Control and power electronics, drivers of the scanners, Dual Processor CPU with 3 axis control and optoisolated Digital I/O, power supplies and laser source built into the control rack.														
FOCAL SPECIFIC.		TECHNOLOGY			PULSED						PULSED UHS					
					F -	10	20	30	50	100	F -	10	20	30	50	100
		MA (mm)	WD (mm)	FL (mm)	BD (µm)	PD (KW/cm²)	PD (KW/cm²)	PD (KW/cm²)	PD (KW/cm²)	PD (KW/cm²)	BD (µm)	PD (KW/cm²)	PD (KW/cm²)	PD (KW/cm²)	PD (KW/cm²)	PD (KW/cm²)
		55x55	141	100	16	9709	19417	29126	48542	97085	27	3482	6964	10446	17409	34819
		100x100	205	163	26	3654	7308	10962	18270	36540	44	1327	2653	3980	6634	13267
		168x168	347	254	41	1505	3009	4514	7524	15045	69	540	1079	1619	2698	5397
		212x212	458	346	56	811	1622	2433	4054	8110	94	291	582	873	1454	2908
242x242	554	420	68	551	1101	1652	2752	5505	-	-	-	-	-	-		
560x560	888,5	815	132	146	292	438	731	1460	-	-	-	-	-	-		
SOFTWARE OPTIONS		<ul style="list-style-type: none"> Abmarca label design software. Requires MS Windows 7 or higher AbOptima supervisory software Abvision control software for vision systems 														
USER INTERFACE		<ul style="list-style-type: none"> Touch Screen. Hand Held Terminal. PC / Laptop 														
ACCESSORIES		Handheld Terminal-Touch Screen Terminal - Beam pointer - Encoder Kit - Photocell Kit - Alarm Kit - Fume Extractor - Mounting support - Mounting Bracket U-ARM - Marking paper - Protection goggles - Air Cooling Kit														
ENVIRONMENTAL CONDITIONS		+15 to 40°C (non-condensing) with 50% duty cycle / +15 to 36°C (non-condensing) with 100% duty cycle vibration free														

* **MA:** Marking Area | **FL:** Focal Length (The distance between the center of the lens and the surface to be marked.)

WD: Working Distance (The distance between the laser system base and the surface to be marked.)

BD: Spot Beam Diameter | **PD:** Power Density

These values are an approximation, and they are different for each laser system, due to the different optical paths.

