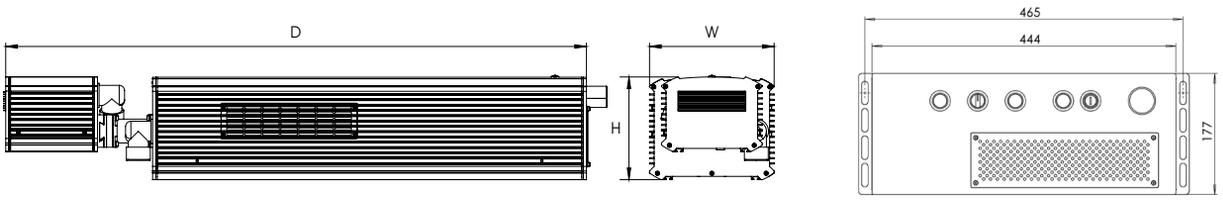
Industrial Laser Solutions

Abmark®

AB - C HPD SERIES

HIGH POWER DENSITY MARKING, CUTTING, SCORING AND PERFORATING APPLICATIONS

AB – C HPD SERIES



		AB-C HPD			
MODEL		**AB-C 30 HPD**	**AB-C 60 HPD**	**AB-C 80 HPD**	**AB-C 100 HPD**
POWER		30w	60w	80w	100w
WAVELENGTH		10.6 μm			
MAINS SUPPLY		100/240v - 50/60Hz (1 Phase + N)			
		660 VA	1600 VA	1900 VA	2600 VA
DIMENSIONS	Head	656x235x193 mm	774x235x193 mm		
	Rack	-	444 x 177 x 548 mm		
WEIGHT		Net: 37 Kg Gross: 45Kg	Net: 76Kg Gross: 91Kg		Net: 100 Kg Gross: 115 Kg
COOLING		Air			Water
SYSTEM		Galvanometric scanners built into the marking head.Control and power electronics. Drivers of the scanners. Single processor CPU with optoisolated digital I/O.			
FOCAL SPECIFICATIONS	TECHNOLOGY	CW			Pulsed
		C-30	C-60	C-80	C-100

FOCAL SPECIFICATIONS	MA (mm)	WD (mm)	FL (mm)	C-30 BD (µm)	C-30 PD (Kw/cm²)	C-60 BD (µm)	C-60 PD (Kw/cm²)	C-80 BD (µm)	C-80 PD (Kw/cm²)	C-100 BD (µm)	C-100 PD (Kw/cm²)
HPD	40x40	75	65	105	345	120	534	120	712	94	1454
	60x60	105	95	154	161	175	250	175	333	137	681
	100x100	160	150	243	65	276	100	276	134	216	273
	150x150	240	230	372	28	423	43	423	57	331	116
	200x200	330	320	518	14	589	22	589	29	461	60
	250x250	410	400	648	9	736	14	736	19	576	38
	300x300	490	480	777	6	883	10	883	13	691	27
	500x500	730	720	1166	3	1325	4	1325	6	1037	12
	800x800	810	800	1296	2	1472	4	1472	5	1152	10

SOFTWARE OPTIONS	Abmarca label design software (Requires MS Windows 7 or higher). AbOptima supervisory software Abvision control software for vision systems
USER INTERFACE	Touch Screen - Hand Held Terminal - PC / Laptop
ACCESSORIES	Handheld Terminal - Touch Screen Terminal - Red pointer - Encoder Kit - Photocell kit Fume Extractor - Mounting support - Mounting Bracket U-ARM - Marking paper Protection Googles
ENVIRONMENTAL CONDITIONS	10-40ºC non condensing vibration free / 15-40ºC non condensing 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.

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