

BLADE - VS Series (visible spectrum)

	YVO ₄ 532_6	YVO ₄ 532_12	YVO ₄ 532_20	YVO ₄ 532_30	YVO ₄ 532_8VSP	YVO ₄ 532_14VSP	YVO ₄ 532_12CW
Laserklasse Laser class	4	4	4	4	4	4	4
Betriebsart Mode of operation	Gepulst / pulsed	Gepulst / pulsed	Gepulst / pulsed	Gepulst / pulsed	Gepulst / pulsed	Gepulst / pulsed	CW
Laserleistung im CW-Betrieb [W] CW-Mode Outputpower [W]							12W
Mittlere Laserleistung [W] Average Outputpower [W]	6,5W	12W	20W	30W	8W	14W	
Wellenlänge [nm] Wavelength [nm]	532	532	532	532	532	532	532
Strahlqualität Beammode	TEM ₀₀	TEM ₀₀	TEM ₀₀	TEM ₀₀	TEM ₀₀	TEM ₀₀	TEM ₀₀
M ²	< 1,2	< 1,3	< 1,3	< 1,3	< 1,3	< 1,2	< 1,2
Polarisation	Linear 100:1						
Pulsenergie Pulse energy	1,00mJ@ 1kHz 0,90mJ@ 6kHz 0,60mJ@ 10kHz 0,25mJ@ 20kHz	0,7mJ@16kHz 0,6mJ@20kHz	1,1mJ@12kHz 0,5mJ@40kHz 0,15mJ@100kHz 0,05mJ@200kHz	0,6mJ@50kHz 0,33mJ@100kHz	0,45mJ@10kHz 0,2mJ@40kHz	0,42mJ@20kHz (~ 7ns) 0,38mJ@30kHz (~ 8ns) 0,28mJ@50kHz (~ 12ns)	
minimalste Pulsweite minimal Pulse width	ca. 14ns	ca. 30ns - 35ns	ca. 25ns	ca. 20ns	6ns@7kHz	ca. 6ns	
Repetitionsrate Repetition rate	1Hz - 200kHz	1Hz-100kHz	12kHz-300kHz optional 1Hz-200kHz	30kHz-300kHz optional 1Hz-200kHz	1Hz-300kHz	1Hz - 500kHz	
Kühlung Cooling	Ausschließlich Luftkühlung / entirely air-cooled						
Kühlungssystem Cooling system	Thermo elektrische Kühlung / thermo electric cooling						
Elektrischer Anschluß Electrical ratings	110V / 230 VAC						
Leistungsaufnahme Typical power consumption	max. 700W typ. 380W	max. 700W typ. 380W	max. 700W typ. 380W	max. 700W typ. 380W	max. 700W typ. 380W	max. 700W typ. 380W	max. 700W typ. 380W
Laserkopf (BxHxT) Laser head (BxHxT)	325mm x 160mm x 134mm (with cooling fan)	325mm x 160mm x 134mm (with cooling fan)	325mm x 160mm x 134mm (with cooling fan)	325mm x 160mm x 134mm (with cooling fan)	325mm x 160mm x 134mm (with cooling fan)	325mm x 160mm x 134mm (with cooling fan)	325mm x 160mm x 134mm (with cooling fan)
Gewicht Laserkopf Weight Laser head	6,5kg	6,5kg	6,5kg	6,5kg	6,5kg	6,5kg	6,5kg
Versorgungseinheit (BxHxT) Control unit (BxHxT)	350mm x 350mm x 140mm	350mm x 350mm x 140mm	350mm x 350mm x 140mm	350mm x 350mm x 140mm	350mm x 350mm x 140mm	350mm x 350mm x 140mm	350mm x 350mm x 140mm
Gewicht Versorgungseinheit Weight Control Unit	16kg	16kg	16kg	16kg	16kg	16kg	16kg

We reserve the right to make technical modifications without prior notice. Errors and omissions excepted. 10% tolerances for measured values.