

BLADE - IR Series

| | YVO ₄ IR_10 | YVO ₄ IR_15 | YVO ₄ IR_25 | YVO ₄ IR_40 | YVO ₄ IR_75 | YVO ₄ IR_18SP | |
|--|--|--|--|---|---|---|--|
| Laserklasse Laser class | 4 | 4 | 4 | 4 | 4 | 4 | |
| Betriebsart Mode of operation | Gepulst / pulsed | Gepulst / pulsed | Gepulst / pulsed | Gepulst / pulsed | Gepulst / pulsed | Gepulst / pulsed | |
| Laserleistung im CW-Betrieb [W] CW-Mode Outputpower [W] | 10 W | 15W | 25W | 40W | 75W | 18W | |
| Mittlere Laserleistung [W] Average Outputpower [W] | | | | | | | |
| Wellenlänge [nm] Wavelength [nm] | 1064 | 1064 | 1064 | 1064 | 1064 | 1064 | |
| Strahlqualität Beammode | TEM ₀₀ | TEM ₀₀ | TEM ₀₀ | TEM ₀₀ | TEM ₀₀ | TEM ₀₀ | |
| M ² | < 1,3 | < 1,3 | < 1,3 | < 1,3 | < 1,3 | < 1,2 | |
| Polarisation | Linear 100:1 | | | | | | |
| Pulsenergie Pulse energy | | 1,20mJ@ 1kHz 0,85mJ@10kHz 0,60mJ@20kHz | 2,00mJ@ 1kHz 1,00mJ@10kHz 0,80mJ@20kHz | 1mJ@30kHz | 1,2mJ@50kHz | 0.18mJ@100kHz | |
| minimalste Pulsweite minimal Pulse width | ca. 15ns | ca. 15ns | ca. 15ns | ca. 15ns | ca. 15ns | 45ns @ 100kHz 13ns@ 30kHz | |
| Repetitionsrate Repetition rate | 1Hz - 200kHz | 1Hz - 200kHz | 1Hz - 200kHz | 20kHz - 200kHz optional 1Hz - 200kHz | 40kHz - 300kHz optional 1Hz - 200kHz | 15kHz - 200kHz optional 1Hz - 200kHz | |
| Impulsspitzenleistung Peak power | up to 75kW | up to 100kW | up to 130kW | up to 60kW optional 150kW | up to 60kW optional 150kW | | |
| 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. 1,5 kW typ. 1,2 kW | max. 1,7 kW typ. 1,2 kW | max. 700W typ. 380W | |
| Laserkopf (BxHxT) Laser head (BxHxT) | 180mm x 180mm x 50,5mm | 180mm x 180mm x 50,5mm | 325mm x 160mm x 134mm (with cooling fan) | 401mm x 160mm x 130mm (with cooling fan) | 401mm x 160mm x 130mm (with cooling fan) | 325mm x 160mm x 134mm (with cooling fan) | |
| Gewicht Laserkopf Weight Laser head | 6kg | 6kg | 6,5kg | 9,0kg | 9,0kg | 6,5kg | |
| Versorgungseinheit (BxHxT) Control unit (BxHxT) | 350mm x 350mm x 140mm | 350mm x 350mm x 140mm | 350mm x 350mm x 140mm | 475mm x 175mm x350mm | 475mm x 175mm x350mm | 350mm x 350mm x 140mm | |
| Gewicht Versorgungseinheit Weight Control Unit | 16kg | 16kg | 16kg | 23kg | 23kg | 16kg | |

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