

Product: **DFL Ventus Marker Standard Design**

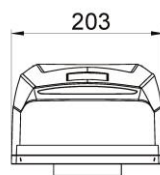
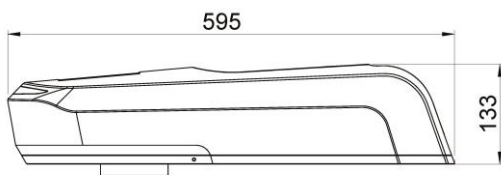
Series: **Business Fibre**



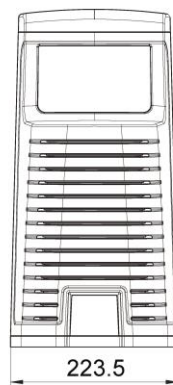
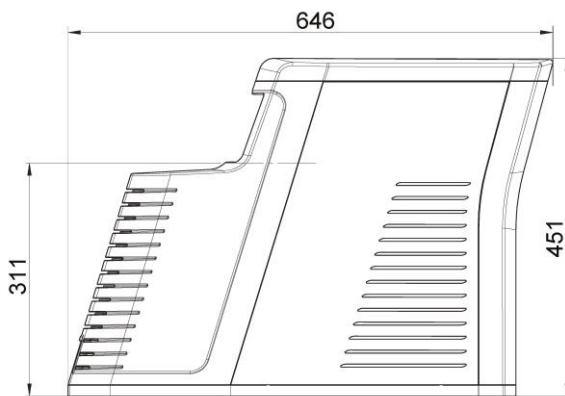
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|---|---|
| Laser type | fiber laser Yb: fibre, MOPA system |
| Operating mode | pulsed |
| Wave length | 1064 nm ± 5 nm |
| Laser power max. | 20 W - 70 W, system dependent |
| Beam quality M ² | < 1.3 bis < 3.7, system dependent |
| Peak power max. | 9 kW - 20 kW, system dependent |
| Pulse energy max. | 0.7 mJ - 1.3 mJ, system dependent |
| Pulse repetition rate | 1 kHz - 1 MHz, system dependent |
| Number of adjustable pulse forms/-lengths | 25 - 40 |
| Pilot laser | 650 nm, < 1 mW |
| Laser class | 4 |
| Functional safety in accordance with DIN EN ISO 13849-1 | PLe |
| Power supply | 85 - 264 VAC/10 A/50 - 60 Hz |
| Power consumption max. | 600 - 1000 W, system dependent |
| Fuse protection | 110 VAC: 2 x 5 AT, 220 VAC: 2 x 2.5 AT |
| PC interface | USB 2.0 |
| Interlock connection | dual-circuit interlock, SD-Ready |
| Laser control interface for | ready-to-operate message/fault alarm, external shutter warning light, 8 digital inputs, 8 digital outputs, differential inputs for "Marking on the fly" |
| Scanning speed | < 10 m/sec |
| Marking software | Magic Mark V3 |

TECHNICAL DATA

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| Marking field size and focusing length (depending on the focusing objective) | 60 mm x 60 mm for 132 ± 3 mm 110 mm x 110 mm for 200 ± 3 mm 180 mm x 180 mm for 327 ± 6 mm | |
| Focus shift when using the FocusShifter (depending on the focusing objective) | ± 5 mm ± 14 mm ± 35 mm | |
| Operating temperature, air humidity | 25 °C ± 10 °C, 30% - 85%, non-condensing | |
| Weight | Laser head Supply unit | 9 kg 26 kg |
| Dimensions L x W x H | Laser head Supply unit | 595 mm x 203 mm x 133 mm 646 mm x 224 mm x 451 mm |



Laser head



Supply unit