



RGB-ND-635/ 520/ 455/ 100-120W

## COLOR DIODE LASER

The color diode laser features an ultra-compact design, a long lifetime, and easy operation. It is also easy to install in customers' equipment.

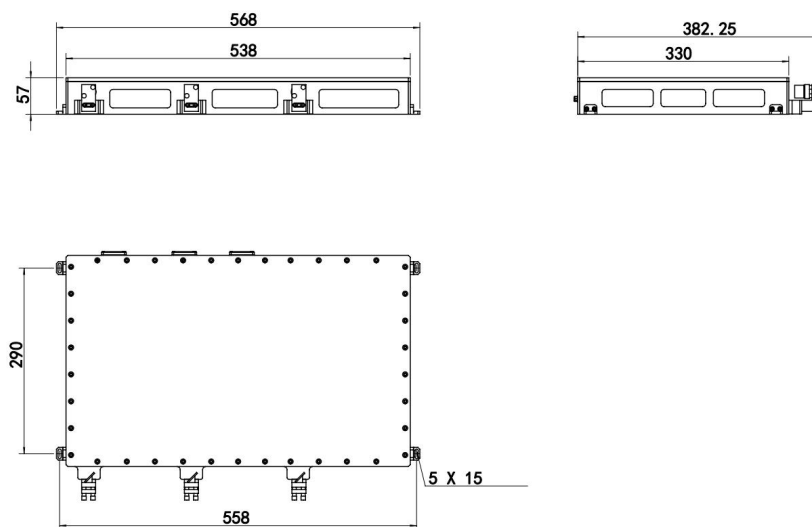


### SPECIFICATIONS

|                                    |                                                                 |            |
|------------------------------------|-----------------------------------------------------------------|------------|
| Wavelength (nm)                    | 635±5/ 520±5/ 455±5                                             |            |
| Output power (W)                   | 100                                                             | 120        |
| Ratio power (W)                    | 30/ 30 / 40                                                     | 30/ 40/ 50 |
| Beam diameter at the aperture (mm) | 8.5*12                                                          |            |
| Beam divergence, full angle (mrad) | ~1.2                                                            |            |
| Power stability (rms, 4 hours±3°C) | <2%, <1%                                                        |            |
| Cooled method                      | Air cooled                                                      |            |
| Warm-up time (minutes)             | <5                                                              |            |
| Beam height from base plate (mm)   | 35                                                              |            |
| Operating temperature (°C)         | 0-30                                                            |            |
| Power supply (24VDC)               | PSU-PNDT-OEM (24V/ 20.9A)                                       |            |
| Modulation option                  | DC-1kHz, 1kHz-10kHz, 10kHz-30kHz optional; TTL/ Analog optional |            |
| Expected lifetime (hours)          | >10000                                                          |            |



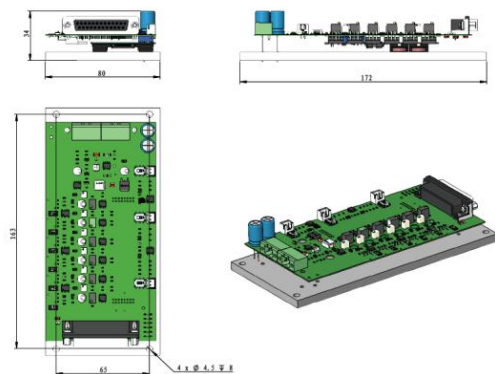
### LASER HEAD<sup>1</sup>



568 (L)\*388 (W)\*57 (H) mm<sup>3</sup>, 20.6kg

DRIVER (PSU-PNDT-OEM)

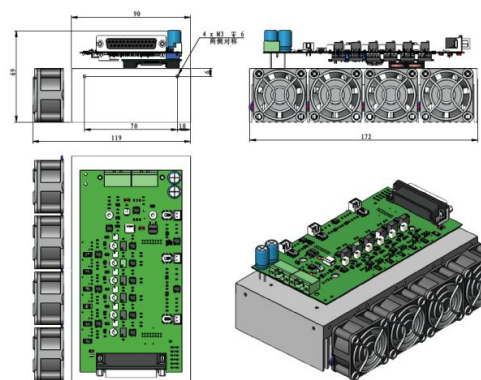
NO HEATSINK



(3pcs)

172 (L)\*80 (W)\*34 (H) mm<sup>3</sup>, 1.2kg

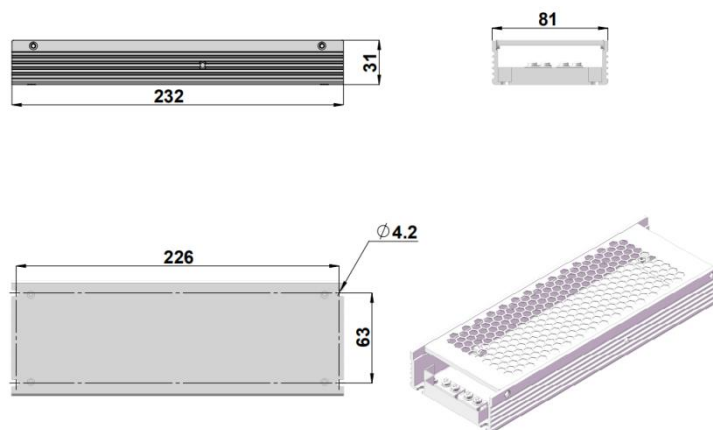
A HEATSINK



(3pcs)

172 (L)\*120 (W)\*69 (H) mm<sup>3</sup>, 3.3kg

POWER SUPPLY (100/ 240VAC) optional



(4pcs)

232 (L)\*81 (W)\*31 (H) mm<sup>3</sup>, 4kg

1 The laser head needs to be used on a heat sink with 1330W heat dissipation