

Laser JFH-514

Application:

- processing equipment;
- scientific research.

Peculiarities:

- glass-ceramic laser tube;
- analogue power supply.

Laser Emission Power, mW, not less:

Wavelength, nm	LGN-514
Wavelength range, nm	TEM ₀₀
457.9-514.5	100
One line, nm	TEM ₀₀
514.5	25
488.0	25

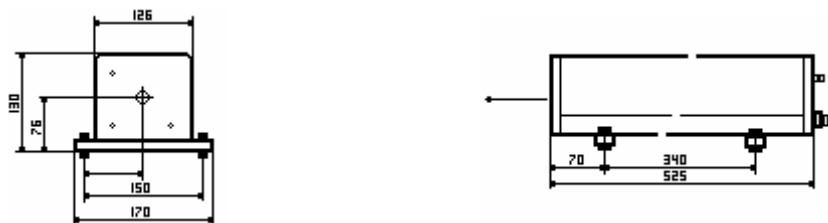
Other Parameters

Polarization, not less*	100:1
Divergence, mrad, not more	0.95
Beam diameter at the distance 0.4 m from the laser head, not more	1.2
Noises and pulsations in the range 10 Hz ± 2 MHz, %, not more	1
Supply (3F+N+G), V, Hz	380\220±10%, 50
Consumed power, kW, not more	3.5
Laser head cooling	water
Water discharge, l/min., not less	7
Water pressure, kg\cm ² , not more	3.0
Power supply cooling	water
Water discharge, l/min., not less	7
Temperature of the cooling water, oC, not more	30
Warranty operation time, hours, not less	500
Average resource, hours, less	5000
Laser head mass, kg, not more	8
Power supply mass, kg, not more: stabilizer/ autotransformer	11,5 / 20

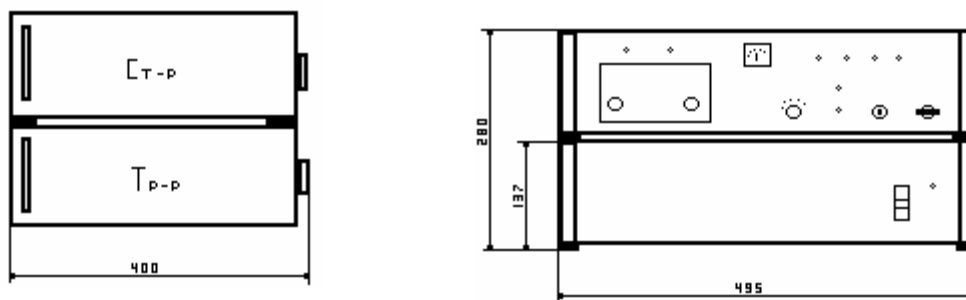
*At the customer's order, vector **E** orientation can be performed both in vertical and horizontal planes, or there can be made the production of the laser without polarization in multiline operation mode.

Outline Drawing

Laser Head



Power Supply



- Plait Length:**
1. Laser head — power supply, 2.5 m.
 - 2*. Supply line, 2.5 m.
 - 3*. Water hoses, 12 m.
- *---Plait lengths are specified by the customer.

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