



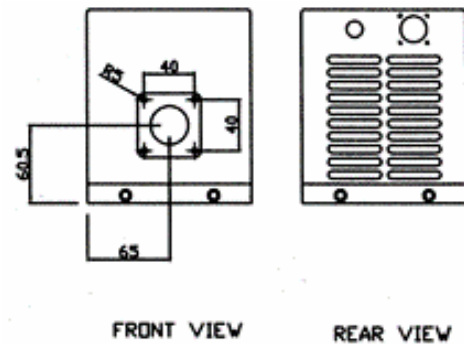
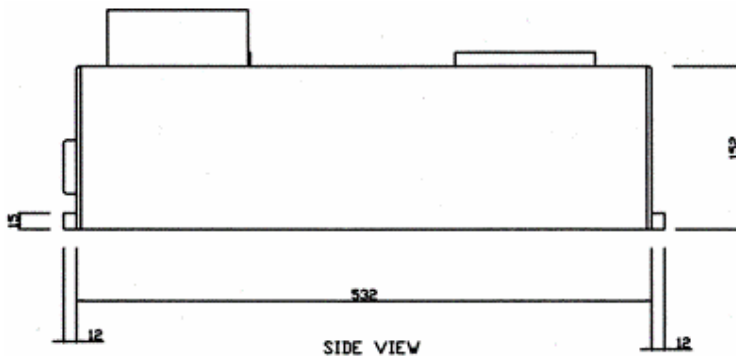
FD Series All metal Sealed RF Excited CO2 Laser



Main Features

- All-metal seals for long life
- Low-cost OEM configuration
- Sealed Titanium laser head design for rigidity, strength, and light weight make it ideal for static or dynamic applications
- Interchangeable laser heads and RF supplies
- Highly compact and lightweight two-piece package
- Separate Solid State RF and DC power supplies
- Application and Materials
- It can mark on all kinds of metal materials. It is widely applied on industries for genuine or synthetic leather, wood, fabric, plastics, advertising board, packing material

Physical Outline



Technical specification

Model	FD-10	FD-25	FD-30W
Output power	13W-15W	23W-26W	30W-35W
Wave length	$\lambda = 10.6\mu\text{m}$		
Beam quality	$m^2 1.4 \pm 0.2$		
Beam Size	$2.8 \pm 1\text{mm}$		
Power stability(after 20 min operation)	$\pm 10\%$		$\pm 5\%$
Polarization	Linear		
Beam ellipticity	1.5:1		
Beam divergence	$5 \pm 1\text{mR}$		
Modulation	TTL up to 100khz		
Mode	>95% TEM00		
Cooling	Air		Water
DC input voltage	48V		
DC current	10V	17V	
Ambient temp	$10^\circ\text{C} - 30^\circ\text{C}$		
Humidity	Non-condensing		
Weight	12.0kgs	16.0kgs	15.5kgs

Difference region/application may require difference dimension/function. Please consult us for ODM service