

TECHNICAL DATA

DIRECTPUMP 900

Direct Diode Laser System for Advanced Applications

Wavelength: 976 nm
Power: 90 to 330 W

**FEATURES**

- Turn Key System
- Center Wavelength Selection
- Optically Wavelength-Stabilized
- Water Cooled
- Delivery Fiber
- Microprocessor Operation
- Serial, Analog and TTL Control
- Graphical User Interface

APPLICATIONS

- Advanced Pumping:
 - Pulsed Fiber Lasers
 - Yb3+ Gain Fibers

DIRECTPUMP 900

Direct Diode Laser
System for Advanced
Applications

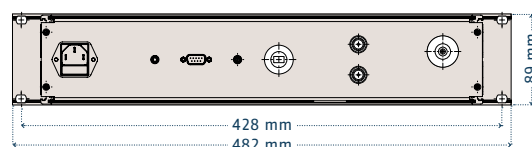
TECHNICAL SPECIFICATIONS

Output Power, Fiber Coupled	W	90	180	330
Beam Parameter Product	mm*mrad	<10		
Fiber Size	µm	105	200	105
Fiber Length, Other on Request	m	3		
Fiber Connector (out)		SMA		
Wavelength	nm	976		
Spectral Width, typ., 90% of Power	nm	<1		<5
Wavelength Stabilization		yes		
Locking Range (const. temperature)	A	4		
Locking Rang (const. current)	K	11		
Supply Voltage	V	110 - 230		
Current @ 110 V	A	4	9	18
Current @ 220 V	A	2	4	9
Dimensions (L x W x H)	mm (inch)	266 x 482 x 89 (10 x 19 x 3.5)		
Operating Temperature Range	°C	10 - 45		
Storage Temperature	°C	5 - 50		
Humidity @ 25°C		<75%		
Typical Dissipated Heat	W	160	420	920
Typical Flow Rate	l/min (gpm)	1 (0.25)	2 (0.5)	6 (1.5)
Minimum Flow Rate	l/min (gpm)	0.7 (0.18)	1.4 (0.35)	4 (1.05)
Typical Pressure Drop	bar (psi)	1.5 (20)	1.75 (25)	2.5 (35)
Maximum Inlet Pressure	bar (psi)	4 (60)		
Coolant Temperature Range	°C	20 - 25		
Coolant Filter	µm	100		
Coolant Quality		clean tap water		

Front view



Rear view



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DirectPhotonics Industries GmbH product specifications are subject to change without notice. For complete details, please contact your local DirectPhotonics Industries GmbH sales representative or visit our website at www.directphotonics.com
Warning: Class 4 Laser, Invisible Laser Radiation – Avoid Eye or Skin Exposure to Direct or Scattered Radiation

TECHNICAL DATA

DIRECTPUMP 900

Laser Diode System for Advanced Applications

Wavelength: 976 nm
Power: 600 W

**FEATURES**

- Turn Key System
- Wavelength Stabilization
- High Brightness
- Water Cooled
- Industrial Delivery Fiber
- Graphical User Interface

APPLICATIONS

- Advanced Laser Pumping
- Solid-State, Disk and Fiber Laser Development
- Research in Pulsed Fiber Lasers
- Laser Manufacturing
 - Qualification
 - Burn-In
 - Testing

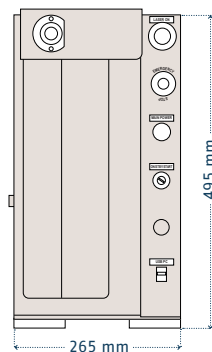
DIRECTPUMP 900

Laser Diode System for
Advanced Applications

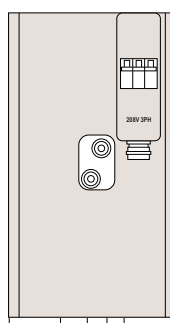
TECHNICAL SPECIFICATIONS

Output Power, Fiber Coupled	W	600
Beam Parameter Product	mm*mrad	<20
Fiber Size	µm	200
Fiber Length, Other on Request	m	3
Fiber Connector (out)		QBH
Wavelength	nm	976
Spectral Width, typ., 90% of Power	nm	<5
Wavelength Stabilization		yes
Locking Range (const. temperature)	A	4
Locking Rang (const. current)	K	11
Supply Voltage	V	110 - 230
Current @ 110 V	A	28
Current @ 220 V	A	14
Dimensions (L x W x H)	mm (inch)	475 x 265 x 495 (19 x 10.5 x 20)
Operating Temperature Range	°C	10 - 45
Storage Temperature	°C	5 - 50
Humidity @ 25°C		<75%
Typical Dissipated Heat	W	1800
Typical Flow Rate	l/min (gpm)	10 (2.5)
Minimum Flow Rate	l/min (gpm)	7 (1.8)
Typical Pressure Drop	bar (psi)	2.5 (35)
Maximum Inlet Pressure	bar (psi)	4 (60)
Coolant Temperature Range	°C	20 - 25
Coolant Filter	µm	100
Coolant Quality		clean tap water

Front View



Rear View



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