

## Laser oscillator

	FANUC C-1500B	FANUC C-2000B
Model	FANUC C-1500B	FANUC C-2000B
Rated output	1500 W	2000 W
Stability	$\pm 1.0\%$	$\pm 1.0\%$
Max. output	3300 W	7000 W
Frequency range	5 to 2000 Hz	5 to 2000 Hz
Duty range	0 to 100%	0 to 100%
Laser beam	CO <sub>2</sub> laser beam	CO <sub>2</sub> laser beam
Laser beam wavelength	10.6 $\mu$ m	10.6 $\mu$ m
Laser beam mode	Predominantly TEM <sub>00</sub>	Predominantly TEM <sub>00</sub>
Laser beam diameter	Approx. 24 mm (0.95") at source	Approx. 27 mm (1.06") at source
Laser beam dispersion angle	Below 2 mrad	Below 2 mrad
Laser gas mixture ratio	5 $\pm$ 0.25% CO <sub>2</sub> 40 $\pm$ 2.00% He 55 $\pm$ 2.75% N <sub>2</sub>	5 $\pm$ 0.25% CO <sub>2</sub> 40 $\pm$ 2.00% He 55 $\pm$ 2.75% N <sub>2</sub>
Laser gas supply	0.15 MPa (21.4 psi or 1.5 kgf/cm <sup>2</sup> ), 10 liters/h (0.35 ft <sup>3</sup> /h)	0.15 MPa (21.4 psi or 1.5 kgf/cm <sup>2</sup> ), 10 liters/h (0.35 ft <sup>3</sup> /h)
Cooling water supply	0.35 $\pm$ 0.1 MPa (49.8 $\pm$ 14.2 psi or 3.5 $\pm$ 1 kgf/cm <sup>2</sup> ), over 50 liters/min (13.2 US gal/min)	0.35 $\pm$ 0.1 MPa (49.8 $\pm$ 14.2 psi or 3.5 $\pm$ 1 kgf/cm <sup>2</sup> ), over 75 liters/min (19.8 US gal/min)
No. of bend mirrors	3	3
Power supply	200 V ( $\pm 10\%$ ), AC, 50/60 Hz ( $\pm 1$ Hz), 23kVA, 3-phase	200 V ( $\pm 10\%$ ), AC, 50/60 Hz ( $\pm 1$ Hz), 33kVA, 3-phase
Dimensions (W x D x H)	2050 x 710 x 1053 mm (80.7 x 28 x 41.5")	2050 x 710 x 1053 mm (80.7 x 28 x 41.5")