

# CD-100

## JET-A ENGINE SERIES

Continental® continues its leadership in advanced general aviation technology with Jet-A piston powered engines, meeting the needs of a growing global market. By offering Jet-A engines, customers gain distinctive advantages on their aircraft. A Jet-A diesel cycle engine, like a Continental® AvGas engine, is designed for outstanding durability and reliability, making it suitable for commercial aviation applications. Jet-A fueled engines always operate in the lean condition, eliminating the extra fuel burn during rich of peak take off conditions. Continental® CD-100 Jet-A engine series are automotive based, liquid cooled, and turbocharged. They are another example of our commitment to the advancement of general aviation technology.



**THE CD-100 SERIES IS A FAMILY OF LIQUID COOLED, TURBOCHARGED, 4-CYLINDER, FUEL INJECTED, COMPRESSION IGNITION, FOUR-STROKE, GEARED, RIGHT (CW) ROTATING, AIRCRAFT ENGINE WITH FADEC DUAL CHANNEL ENGINE CONTROLS.**

**CERTIFIED FUELS:**

Jet-A, Jet A1,  
JET A-1 (ASTM D 1655)  
Jet Fuel No. 3, TS-1,  
JB-8, JP-8+100,  
Diesel (EN 590)

**DISPLACEMENT:**

1991 cm<sup>3</sup>  
122 in<sup>3</sup>

**POWER:**

99 to 125 kW  
133 to 168 HP  
135 to 170 DIN HP

**SPEED:**

2300 rpm

**BORE:**

83 mm  
3.268 in

**STROKE:**

92 mm  
3.622 in

**COMP. RATIO:**

15.5:1 (CD-170)  
18.0:1 (CD-135, CD-155)

**HEIGHT:**

636 mm  
25.03 in

**WIDTH:**

778 mm  
30.63 in

**LENGTH:**

816 mm  
32.12 in

**DRY WEIGHT  
(INCLUDING GEARBOX):**

134 to 156 kg  
295.4 to 343.9 lbs

# CD-100 JET-A SERIES DETAILS



MODEL	# CYL	RATED POWER <sup>1</sup>				BORE × STROKE	DISPLACEMENT	DRY WEIGHT	CERTIFIED FUEL GRADE	COMP. RATIO	EASA TCDS
		kW	HP	DIN HP	RPM						
CD-135	4	99	133	135	2300	83 x 92 mm	1991 cm <sup>3</sup>	134 kg	Jet-A, Jet A1, Jet Fuel No. 3, TS-1, JB-8, JP-8+100, Diesel (EN 590)	18.0:1	E.055
						3.268 x 3.622 in	122 in <sup>3</sup>	295.4 lbs			
CD-155	4	114	153	155	2300	83 x 92 mm	1991 cm <sup>3</sup>	134 kg	Jet-A, Jet A1, Jet Fuel No. 3, TS-1, JB-8, JP-8+100, Diesel (EN 590)	18.0:1	E.055
						3.268 x 3.622 in	122 in <sup>3</sup>	295.4 lbs			
CD-170	4	125	168	170	2300	83 x 92 mm	1991 cm <sup>3</sup>	156 kg	JET A-1 (ASTM D 1655), Diesel (EN 590)	15.5:1	E.055
						3.268 x 3.622 in	122 in <sup>3</sup>	343.9 lbs			

1. Rated power is expressed in kW and DIN HP 15°C.

## CD-100 ENGINE SERIES PERFORMANCE POWER AT ALTITUDE

- CD-135
- CD-155
- CD-170

