

# 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-135 and CD-155 Jet-A engines 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, DIESEL, FUEL INJECTED, COMPRESSION IGNITION, FOUR-STROKE, GEARED, RIGHT (CW) ROTATING, AIRCRAFT ENGINE WITH FADEC DUAL CHANNEL ENGINE CONTROLS FOR FIXED WING AIRCRAFT.**

**CERTIFIED FUELS:**

Jet-A, Jet A1,  
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 114 kW  
133 to 153 HP  
135 to 155 DIN

**ENGINE SPEED RPM:**

3900 r/min  
3900 rpm

**BORE:**

83 mm  
3.268 in

**STROKE:**

92 mm  
3.622 in

**COMPRESSION [COMP.] RATIO:**

18.0:1

**HEIGHT:**

636 mm  
25.03 in

**WIDTH:**

778 mm  
30.63 in

**LENGTH:**

816 mm  
32.12 in

**DRY WEIGHT [INCLUDING GEARBOX]:**

134 kg  
295.4 lbs

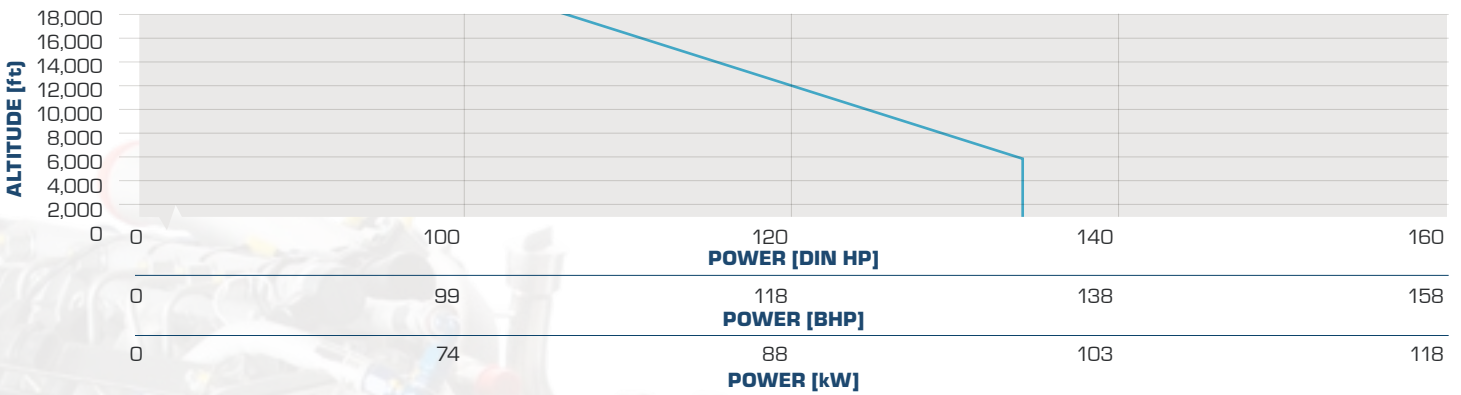
# CD-100 JET-A SERIES DETAILS



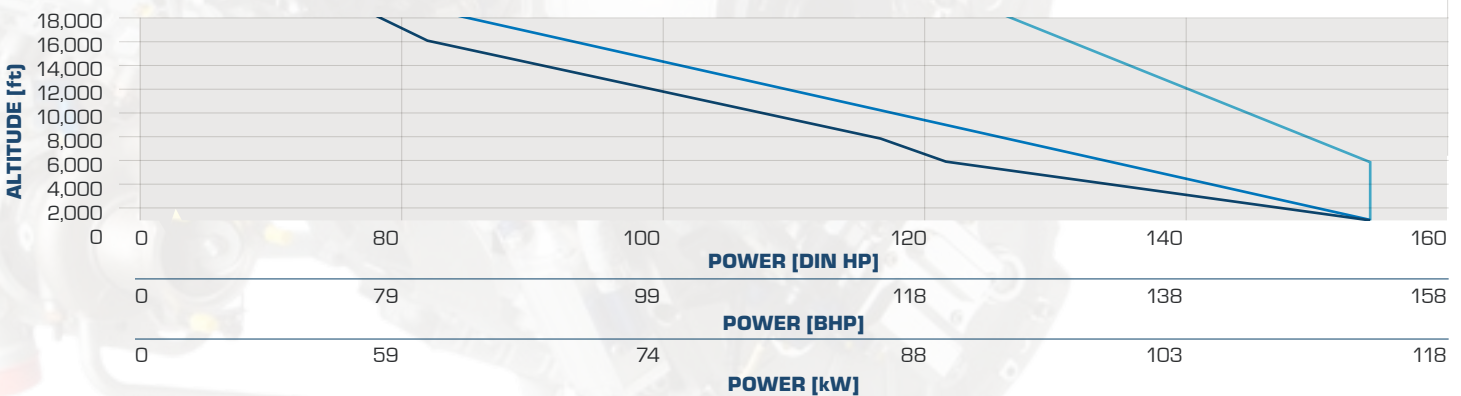
MODEL	# CYL	RATED POWER <sup>1</sup>				BORE × STROKE	DISPLACEMENT	DRY WEIGHT	CERTIFIED FUEL GRADE	COMP. RATIO	FAA TCDS
		HP	kW	DIN	RPM						
CD-135	4	133	99	135	3900	83 x 92 mm	1991 cm <sup>3</sup>	134 kg	Jet-A, Jet A1, Jet Fuel No. 3, TS-1, JB-8, JP-8+100, Diesel (EN 590)	18.0:1	E00069EN
						3.268 x 3.622 in	122 in <sup>3</sup>	295.4 lbs			
CD-155	4	153	114	155	3900	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	E00069EN
						3.268 x 3.622 in	122 in <sup>3</sup>	295.4 lbs			

1. Rated power is expressed in kW and DIN HP 15°C. To convert to BHP, multiply DIN HP by 0.98632.

## CD-135 ENGINE PERFORMANCE POWER AT ALTITUDE



## CD-155 ENGINE PERFORMANCE POWER AT ALTITUDE



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