

CD-170

JET-A ENGINE SERIES



As the newest edition to the CD-100 engine series, Continental's CD-170 engine continues the tradition of innovation for the Jet-A fueled family. The 170-horsepower engine is a turbocharged, in-line 4-cylinder with a low operating cost. Consuming approximately 7.9 gallons of Jet-A1 per hour during cruise and features a 1200-hour Time Between Replacement (TBR), with potential for extension over time. The CD-170R is EASA type-certified, equipping it for integration into advanced rotary wing applications. The durable engine includes a technologically advanced fuel system design that incorporates an enhanced fuel system for an additional level of redundancy, providing aviators with additional peace of mind.

THE CD-170 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),
Diesel (EN 590)

DISPLACEMENT:
1991 cm³
122 in³

POWER:
125 kW
168 HP
170 DIN HP

SPEED:
2300 rpm

BORE:
83 mm
3.268 in

STROKE:
92 mm
3.622 in

COMP. RATIO:
15.5:1

HEIGHT:
636 mm
25.03 in

WIDTH:
778 mm
30.63 in

LENGTH:
690 to 816 mm
27.18 to 32.12 in

DRY WEIGHT :
139 to 156 kg
306.4 to 343.9 lbs

TIME BETWEEN REPLACEMENT (TBR):
1200 hrs (CD-170R)
1800 hrs (CD-170)
or 12 yrs

CONFIGURATION OPTIONS:
Tractor, Rotary

CD-170 JET-A SERIES DETAILS



MODEL	# CYL	RATED POWER ¹				BORE × STROKE	DISPLACEMENT	DRY WEIGHT	CERTIFIED FUEL GRADE	COMP. RATIO	EASA TCDS
		kW	HP	DIN HP	RPM						
CD-170	4	125	168	170	2300	83 x 92 mm	1991 cm ³	156 kg	Jet A-1 (ASTM D 1655), Diesel (EN 590)	15.5:1	E.055
						3.268 x 3.622 in	122 in ³	343.9 lbs			
CD-170R	4	125	168	170	2300	83 x 92 mm	1991 cm ³	139 kg	Jet A-1 (ASTM D 1655)	15.5:1	E.055
						3.268 x 3.622 in	122 in ³	306.4 lbs			

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

CD-170 ENGINE SERIES PERFORMANCE POWER AT ALTITUDE

— CD-170
- - - CD-170R

