

# YUCHAI Stage V Engines YCA05 Series

← Including 120~150 hp tractor

Emissions:  
CN 4 /EU Stage V



← Product Introduction:

## I. Technical Route

Adopts Bosch off-road common rail system and EGR+DOC+DPF+SCR+ASC after treatment technology route, is a Stage V emission standard product.

## II. Application

Applicable to off-road machinery, including 120-150 hp tractor, 5-10 tons forklift, 10-20 tons excavator, wheel loader, etc.

## III. High Reliability

- Through perfect YCEDP development process, comprehensive CAE simulation analysis and strict deep reliability test development, machine reliability is good.
- The oil and oil filter maintenance interval are 500 hours.
- With a market share of more than 70% in China, the cumulative sales volume of products with emission level of CN1~ CN3 reached 500,000.

## IV. Comfort

Optional double balanced shaft, greatly reduce the second-order vibration of the engine, the engine vibration is low, the vehicle driving more comfortable.

## V. Intelligent

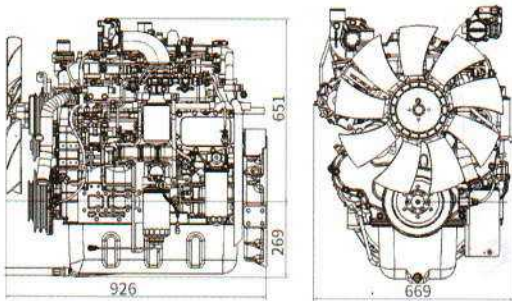
Intelligent electronic oil pump, with water level alarm and other intelligent maintenance reminder function.



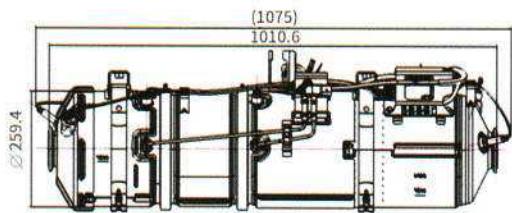
— Technical Parameters:

Engine Model	YCA05175-S500
Type	In-line, water cooled, 4-cycle
No. of Cylinders	4
Bore and Stroke	108mm×132mm
Displacement	4.8 L
Aspiration	Turbocharged and air-to-air intercooled
Rated Power	92~129kW
Rated Speed	2200~2400rpm
Max.Torque	700@1300~1600rpm
Emissions	CN 4 /EU Stage V
Fuel System	Common Rail
After Treatment System	DOC+DPF+SCR/EGR+DOC+DPF+SCR+ASC
Length	926mm
Width	669mm
Height	920mm
Dry Weight	480kg

Dimension:



I. Engine: length × width × height (mm) :926×669×920



III. Aftertreatment vehicle installation: length (mm): 1075, diameter (mm): φ259.4

Performance Curve:

