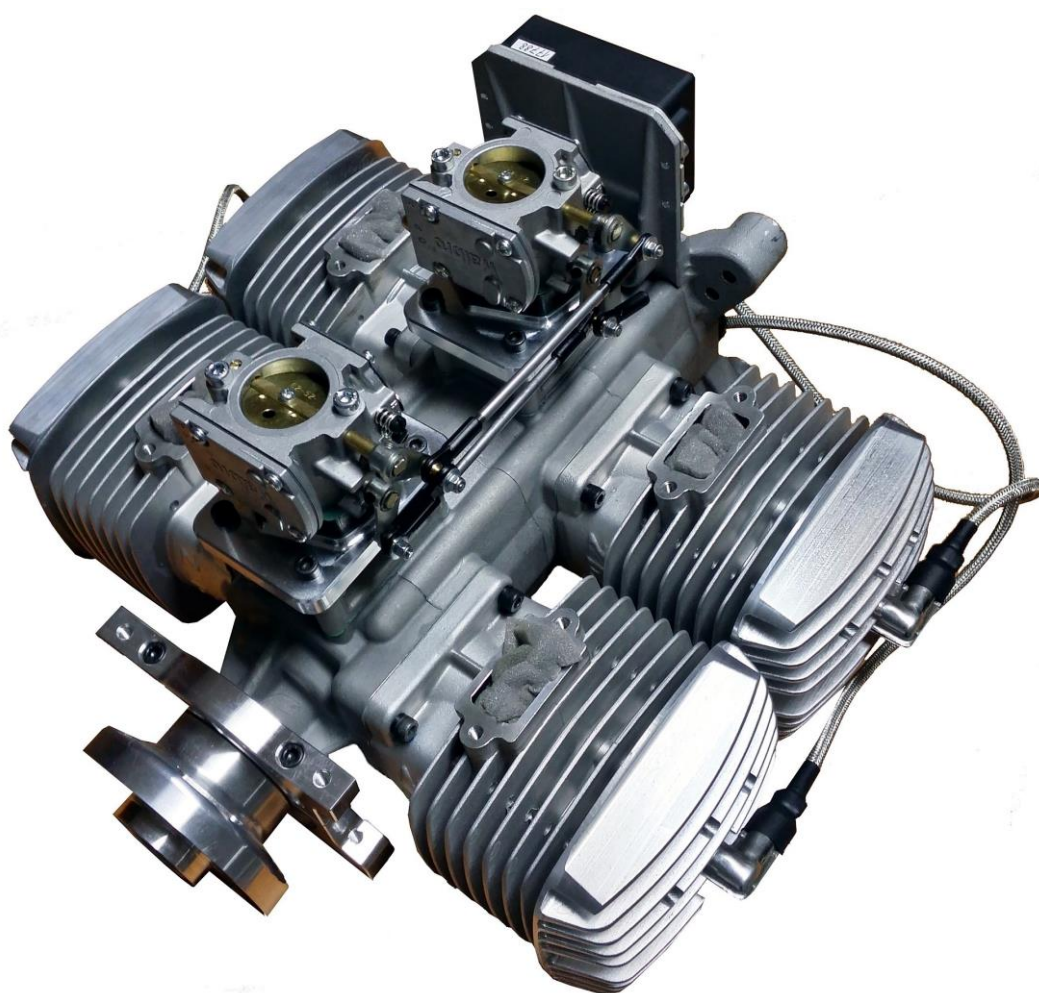




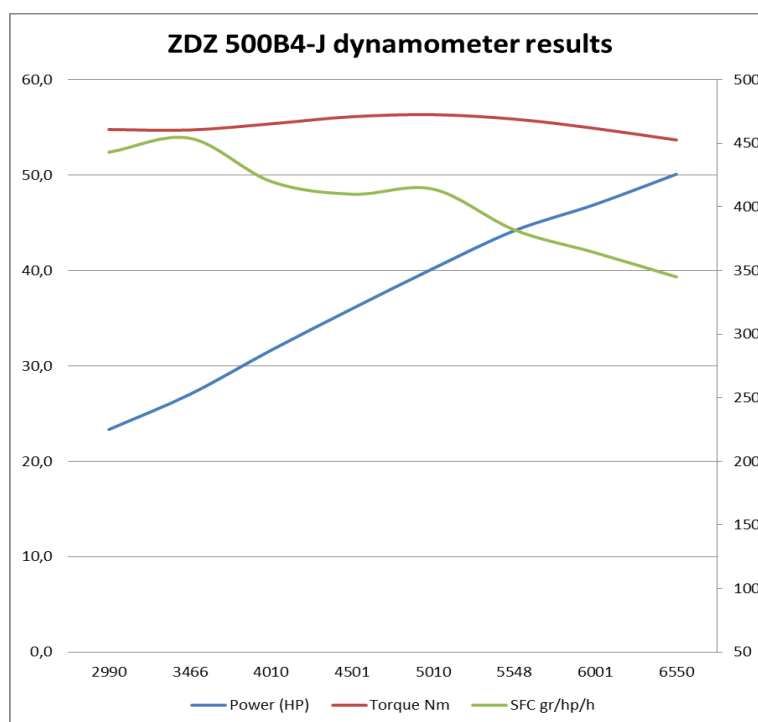
## ZDZ 500B4-J



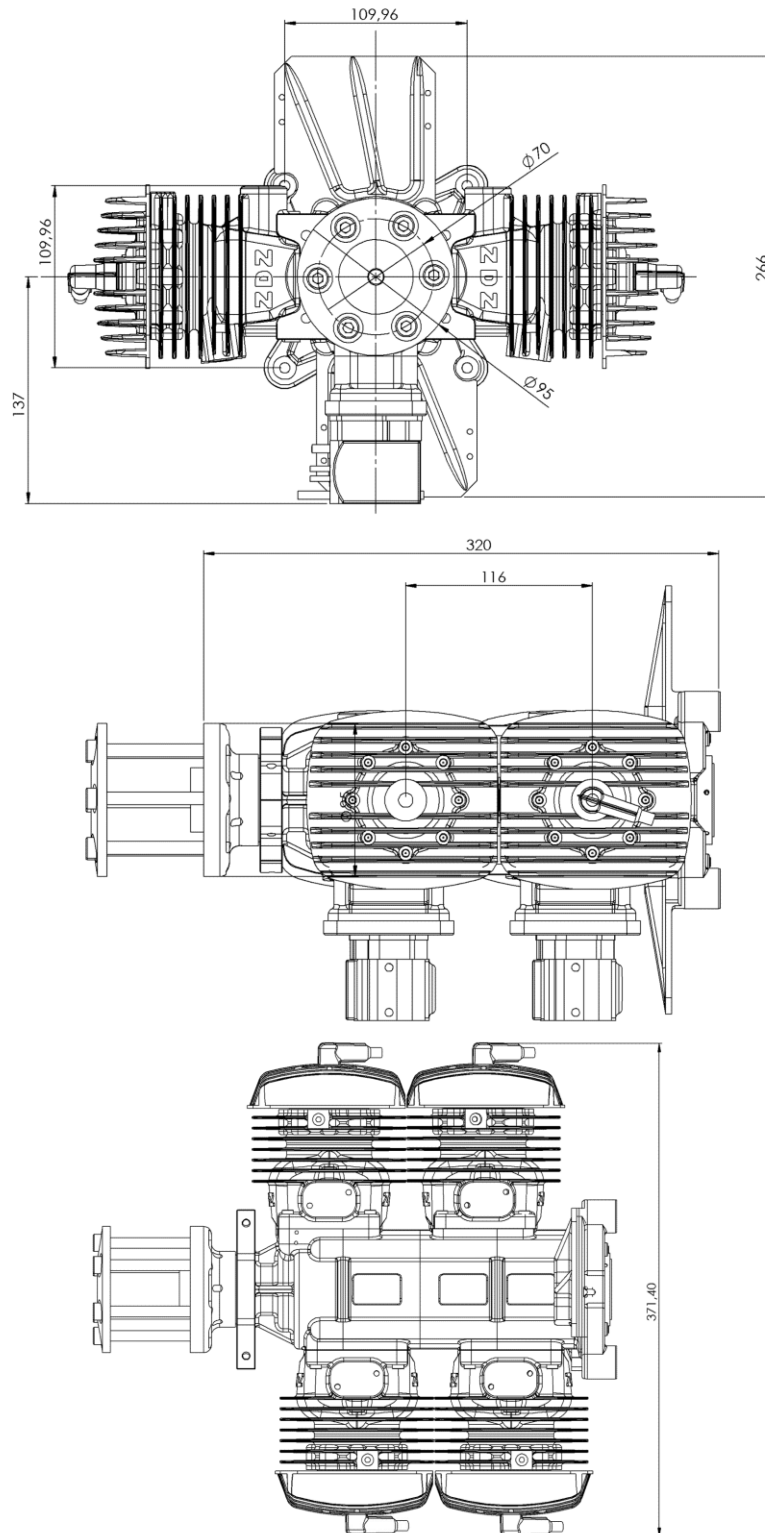
## TECHNICAL PARAMETERS OF ZDZ 500B4-J

Displacement	493 ccm
Weight	13300g ignitions included
Bore	56mm
Stroke	50mm
RPM range	800-8500 ot/min
Ignition	processor controlled, dampened casing
Spark plugs	CM-6
Spark plug electrodes gap	0,5-0,7mm
Intake system	Reed valves
Recommended oil	Full synthetic oil for two stroke air cooled engines
Recommended fuel	Automotive gas BA 95 or higher
Fuel mixture oil:gas	1:30(break-in) 1:40 (normal run)
Carburettor	Walbro WB-27
Normal/Max CHT	160/200 degrees of Celsius
Fuel consumption	See graph below
Propeller configuration	Tractor or Pusher
<b>Optional equipment</b>	
Electric starter	12V/370W
Electric generator	500W/28V +/-200mV
Belt reduction gear	Ratio on demand. (Standard ratio 1:2,7)
Spark plug system	Optionally doubled for each head

## DYNAMOMETER GRAPHS



## INSTALLATION DIMENSIONS



## Appendix A – Maintenance periods

Periodical maintenance operations for ZDZ 500B4-J

**GENERAL TBO - 500hrs, Crankshaft 1000hrs**

**Do the operation in left column every :**

<b>Operation</b>	<b>25hr</b>	<b>50hr</b>	<b>100hrs</b>	<b>500hr</b>	<b>1000Hr</b>
Deep visual inspection	X				
Spark plug cleaning	X				
Spark plug electrodes gap controll	X				
Spark plug replacement		X			
Fuel filter replacement	X				
Fuel lines/throttle control check	X				
Piston and cylinders decarbonization		X			
Compression check		X			
Reed valve check	X				
Reed valve replacement			X		
Carburettor filter cleaning		X			
Starter and starter wheel check		X			
Starter and starter wheel replacement				X	
Wrist pin and piston rod bearings check		X			
Wrist pin and piston rod bearings replacement				X	
Spark plug cap replacement		X			
Generator rotor replacement (if installed)				X	
Stabilizer replacement				X	
Ignition unit replacement				X	
Crankshaft replacement					X
Bearings replacement				X	
Cylinder and piston replacement				X	

*Table A -ZDZ maintenance schedule*

General warranty period is 500hrs or 1 year\* which one of terms is reached earlier.

Crankshaft has special warranty for 1000hrs or two years which one of terms is reached earlier.

If part is properly controlled and replaced according to Table A and damaged before the replacement

It is considered warranty case and replaced by ZDZ. New replaced part has warranty period only 3 months

Parts for planned replacemeent have to be bouhgt from a supplier, they are not replaced unnder warranty.

*\*) where replacement is indicated in shorter period, replacement period also means warranty for that particular part*

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## **Apendix B – Engine package content**

With your engine you receive:

- 1) Tested engine with spark plugs, carburettors, ignition boxes and sensors installed.
- 2) (optionally) Break-in engine with protocol from test bench (CHT and EGT vs. RPM and TIME, 5hrs run-in, CHT/EGT data each 30 minutes)
- 3) Pack with common accessories:
  - a) 4 pieces of exhaust gaskets
  - b) 8 pieces of exhaust screws
  - c) 6 pieces of propeller screws
  - d) 1 piece of aluminim propeller washer