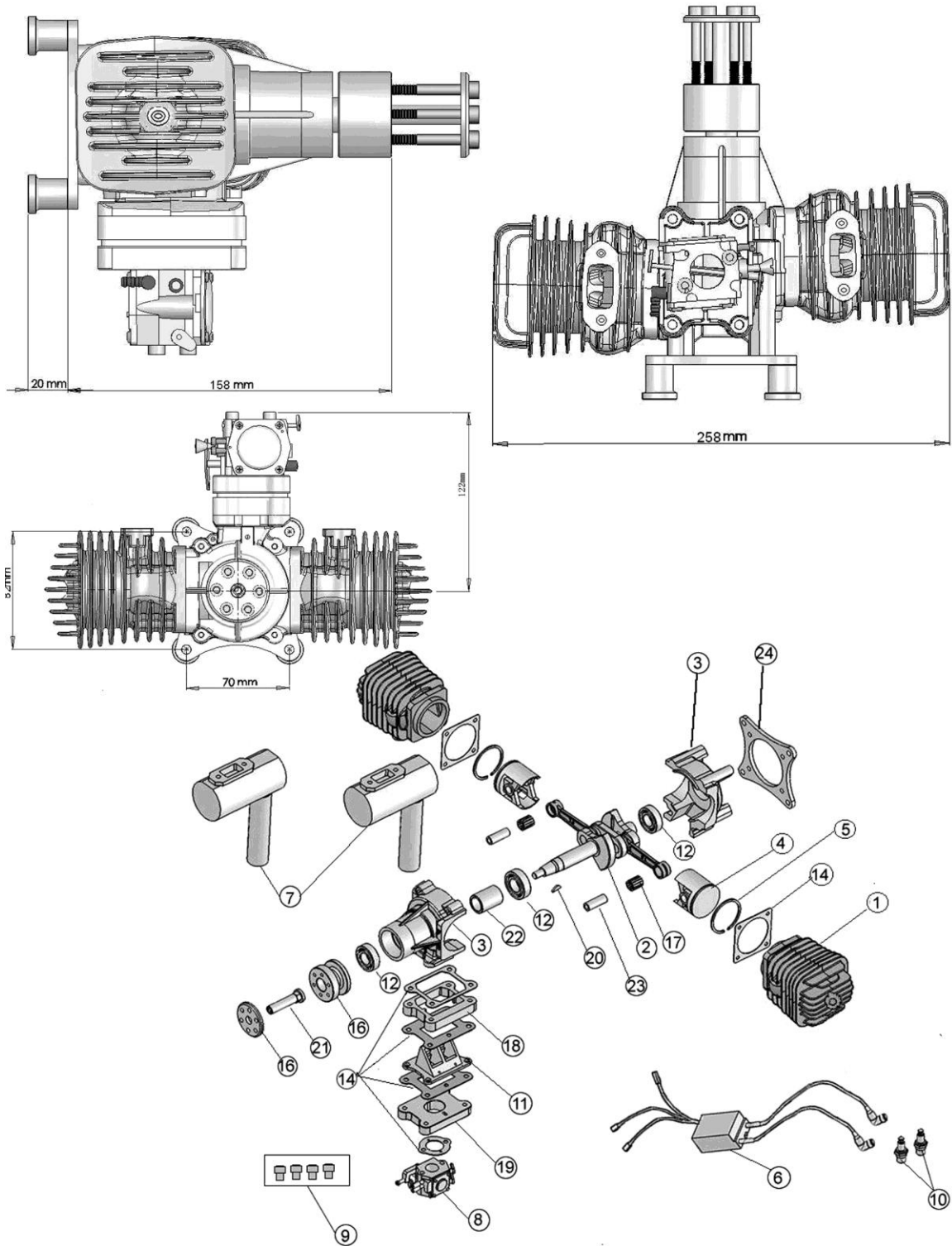


# Technical Notes: DLA 112 cc Gas Engine



## Specifications:

### DLA 112 cc (6.63 in<sup>3</sup>) Gas Engine

Power:	11.2 HP @ 7500 rpm
Displacement:	112 cc (6.63 in <sup>3</sup> )
Idle Speed:	1700 rpm
Static Thrust:	54.0 pounds @ 100 m (~328 ft Altitude) (Pulling Force) 46.3 pounds @ 1800 m (~5,900 ft Altitude)
Propellers (Recommended):	26 x 10, 27 x 10, 28 x 10
RPM Range:	1300 – ~8400 rpm
Carburetor:	Walbro™, (Typ), Diaphragm Pump
Spark Plug:	CM-6 Special
Muffler Volume:	112 cc (6.63 in <sup>3</sup> )
Cylinder Diameter (Bore) Stroke:	45.1 mm / 35 mm (1.77 in / 1.38")
Compression Ratio:	7.8 : 1
Gas	87 – 89 Octane, unleaded (“Regular”)
Gas : Oil Ratios:	30 – 40:1 Break-in Trial Run; 40 – 50 : 1 Normal Flying
Weights:	Engine: 88.5 oz, Muffler (2): 8.2 oz, Ignition: 4.2 oz (Total: 100.9 oz = 6.31 lbs)
Ignition:	Fully Advancing, Auto, <u>C</u> apacitive <u>D</u> ischarge <u>I</u> gnition
Ignition Power:	6.6 to 7.4 VDC

### Support Information:

Ignition Battery:	2-S, LiPo, (2100 mAh Typical) un-regulated. 6-S, NiMH, (2100 mAh Typical)
Break-in Propeller (Suggested)	22 x 10
Intake Manifold:	4-Leaf Reed Valve, V-Configuration
Items Included in Retail Pkg:	Engine, Muffler (2) / Gasket & Bolts, CD Ignition, Sparkplug (2), Stand-off Mounts (Machined), Operations Manual, Decals, Bolts–Mounting, Spiral-Nylon Wire Sleeve

	Mount Dimensions		Mounting Bolts	Stand-Offs	Prop Bolts	Muffler Bolts
	X (mm)	Y (mm)				
DLA 112	70	80	5.0 x 0.8 - 55 mm	15.3 OD x 20 L mm	5.0 x 0.8 - 50 mm	5.8 x 0.8 - 16 mm

### Suggested Items:

<a href="#">Gas Tank</a>	
<a href="#">Fuel Point™</a>	(From Golden Skies R/C)
<a href="#">Gas Line</a>	(From Golden Skies R/C)
<a href="#">Ignition Kill Switch</a>	(From Golden Skies R/C)
<a href="#">Propeller</a>	
2-Cycle Oil	
Gas Line Filter	
Mounting Template	
Propeller Drill-bit Guide	(From Golden Skies R/C)
Torque Wrench	
<a href="#">Spinner</a>	
Battery, Ignition	
Tachometer	