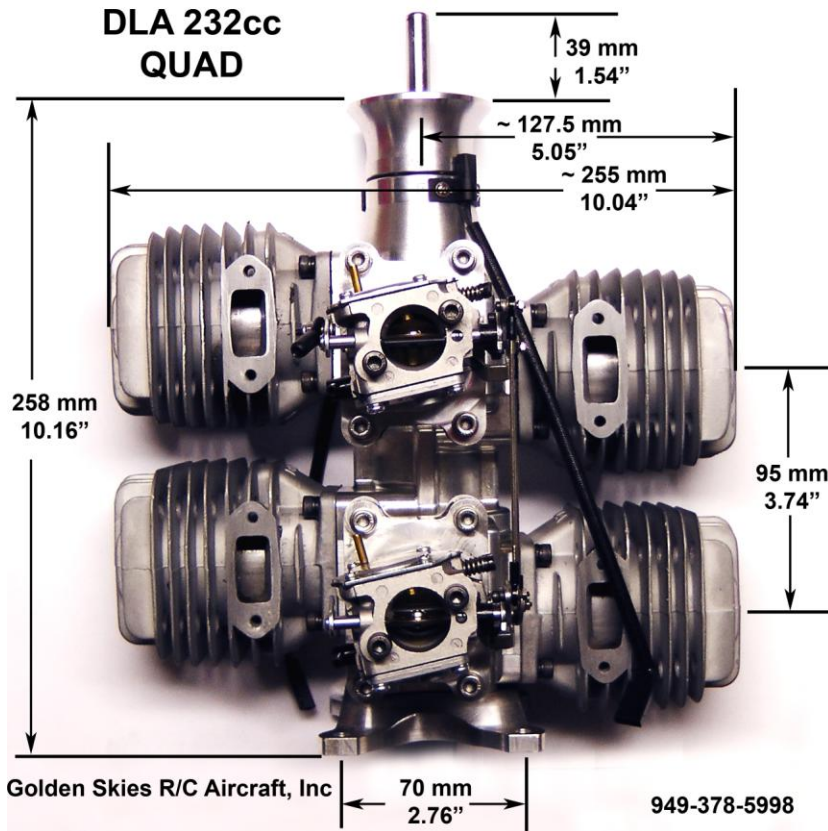


Technical Notes: DLA 232 cc Gas Engine



Available in
Slanted
Sparkplug
Configuration
(Saves 1-1/16" in
Sparkplug cap to
Sparkplug cap distance)



Specifications:

DLA 232 cc (14.6 in³) Gas Engine

Power:	~23 HP @ 7,500 rpm
Displacement:	232 cc (14.6 in ³)
Idle Speed:	~ 1,400 rpm
Static Thrust:	> 100 pounds @ 100 m (~ 328 ft Altitude) (Pulling Force)
Propellers (Recommended):	34 x 10, 35 x 10/12, 36 x 10 (2-Blade); 27 x 14, 30 x 12, 32 x 12 (3-Blade)
RPM Range (Typ):	~1,400 to ~6,850 rpm
Carburetor:	Walbro™, (Typ: WJ-71), Diaphragm Pump, 2 each
Spark Plug:	CM-6 Special Iridium, 4 ea
Muffler Volume:	~400 cc (24.4 in ³)
Cylinder Diameter (Bore) Stroke:	46.0 mm / 35 mm (1.81 in / 1.38 in)
Compression Ratio:	7.8 : 1
Gas	87 – 89 Octane, unleaded (“Regular”)
Gas : Oil Ratios:	30:1 – 40:1 Break-in Trial Run; 40:1 – 50 : 1 Normal Flying
Weights:	Engine: 172.8 oz, Muffler (2): 15.9 oz, Ignitions (2) 15.2 oz (Total: 208.9 oz = ~ 13 lbs, All Inclusive)
Ignition:	Fully Advancing, Auto, <u>C</u> apacitive <u>D</u> ischarge <u>I</u> gnition
Ignition Power:	6.6 to 8.4 VDC, 2S – LiPo Unregulated

Support Information:

Ignition Battery:	2-S, LiPo, (1,300 to 2,100 mAh Typical) un-regulated. 6-S, 7.2 VDC, NiMH, (2,100 mAh Typical)
Break-in Propeller (Suggested)	34 x 10
Intake Manifold:	4-Leaf Reed Valve, V-Configuration, 2 each
Items Included in Retail Pkg:	Engine, Muffler (2) / Gasket & Bolts, CD Ignition, Sparkplug (4), Stand-off Mounts (Machined), Operations Manual (on Website), Bolts–Mounting, Spiral-Nylon Wire Sleeve

	Mount Dimensions		Mounting Bolts	Stand-Offs	Prop Bolts	Muffler Bolts
	X (mm)	Y (mm)				
DLA 128	70	80	5.0 x 0.8 - 55 mm	15 OD x 16 L mm	6.0 x 1.0 – 50/65 mm	5.0 x 0.8 - 20 mm

Suggested Items:

Gas Tank	
Fuel Point™	(From Golden Skies R/C)
Gas Line	(From Golden Skies R/C)
Ignition Kill Switch	(From Golden Skies R/C)
Propeller , FLACON, XOAR	(From Golden Skies R/C)
2-Cycle Oil	
Gas Line Filter	(From Golden Skies R/C)
Mounting Template	(From Golden Skies R/C)
Propeller Drill-bit Guide	(From Golden Skies R/C)
Torque Wrench	
Spinner	(From Golden Skies R/C)
Battery, Ignition	
Tachometer, connects to CDI, (LED)	(From Golden Skies R/C)