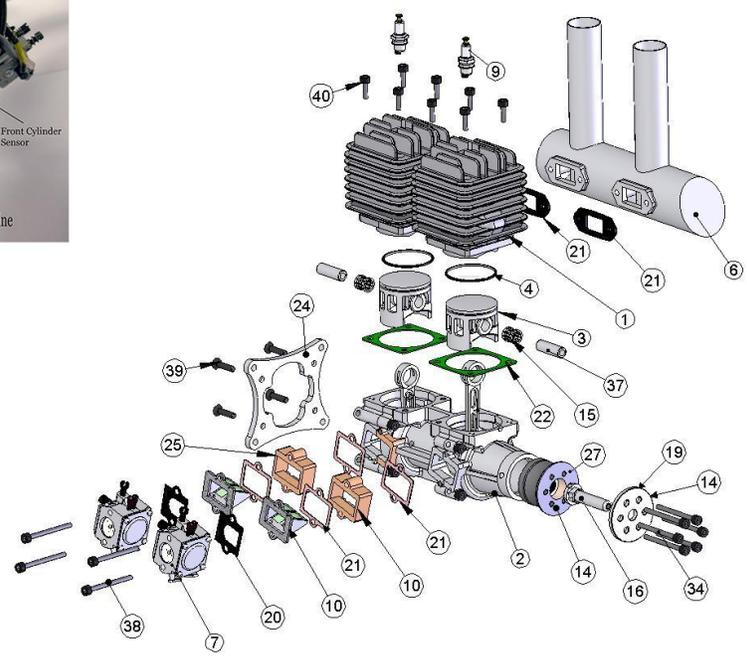
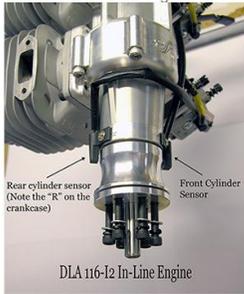
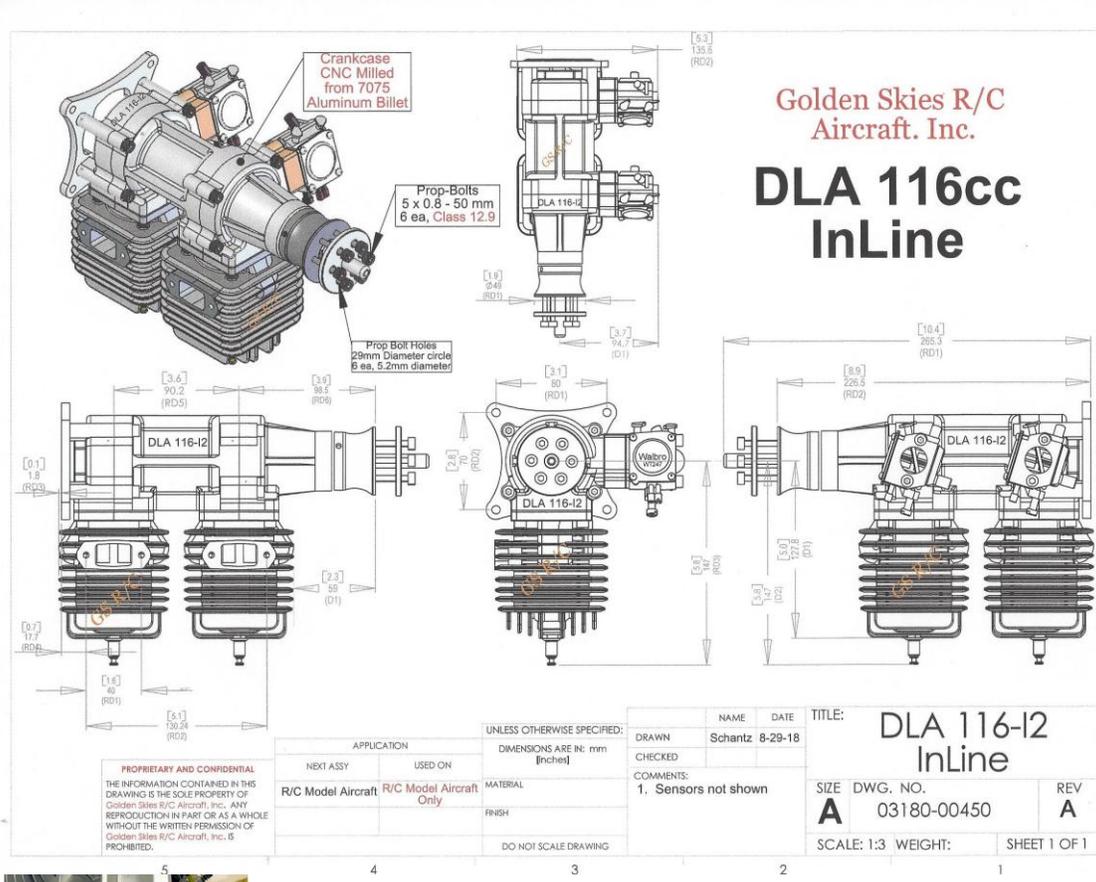


Technical Notes: **DLA 116cc -I2 In-Line** Gas Engine



GOLDEN SKIES R/C AIRCRAFT, Inc.

Specifications:

DLA 116cc-I2	(7.08 in ³) Gas Engine
Power:	12.8 HP @ 6,600 rpm
Displacement:	116 cc (7.08 in ³)
Idle Speed:	~ 1,200 rpm
Static Thrust:	61.8 pounds @ 100 m (~ 328 ft Altitude) (Pulling Force) 54.1 pounds @ 1800 m (~5,900 ft Altitude)
Propellers (Recommended):	27 x 10/12, 28 x 10, 29 x 10
RPM Range:	~1,200 to ~6,800 rpm
Carburetor:	Walbro™, (Typ: Wx-xxx), Diaphragm Pump, 2 each
Spark Plug:	CM-6 Special, (2 ea)
Muffler Volume:	116 cc (7.08 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: 102.3 oz, Muffler: 12.3 oz, Ignitions (2) 12.7 oz (Total: 122.1 oz = 7.63 lbs)
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)	28 x 10
Intake Manifold:	4-Leaf Reed Valve, V-Configuration, 2 each
Items Included in Retail Pkg:	Engine, Muffler (1) / Gasket & Bolts, CD Ignition (2 ea), Sparkplug (2), 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 116	80	70	5.0 x 0.8 - 55 mm	15.5 OD x 20 L mm	5.0 x 0.8 - 50 mm	5.8 x 0.8 - 16 mm

Suggested Items:

Gas Tank	Pilot's Choice
Fuel Point™	From Golden Skies R/C
Gas Line	From Golden Skies R/C
Ignition Kill Switch	Pilot's Choice
Propeller	SAIL, From Golden Skies R/C
2-Cycle Oil	Pilot's Choice
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	Any with Proper Torque Range
Spinner	From Golden Skies R/C
Battery, Ignition	From Golden Skies R/C
Tachometer	From Golden Skies R/C

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