



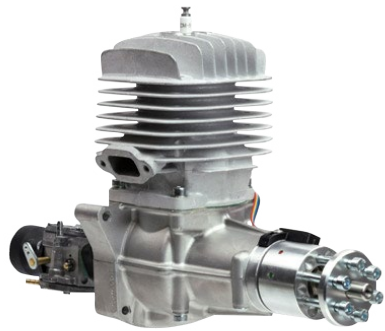
PERFORMANCE BEYOND LIMITS

ENGINE DATA 3W-80XI





ENGINE DATA 3W-80XI



SPECIFICATIONS

Cylinder Capacity	78 ccm / 4.76 cu in
Power	5.1 HP / 3.78 KW
Bore Diameter	1.97 inch (50.00 mm)
Stroke	1.57 inch (40.00 mm)
Speed Range	1100 - 8500 RPM
Weight	5.29 lbs (2.4 kg) incl. ignition
Crankshaft	3 ball bearing
Oil/Gasoline Ratio	1:50 / 2% Mix
Operating voltage	6 - 8.4 V DC

ENGINE TYPE / SETUP

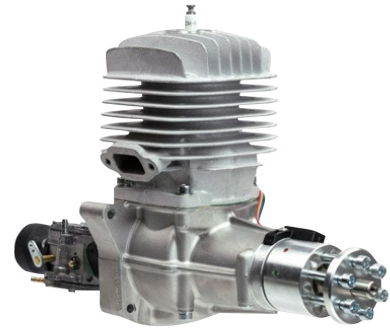
Engine	3W-80Xi
Serial No.	1381070B
Direction	Tractor
Muffler	3W L80
Fuel	Gasoline
Date	23.8.2013
Running time before test	3 hours
Throttle position	variable
Propeller	Menz s 24x10

Engine data based on test run according to:

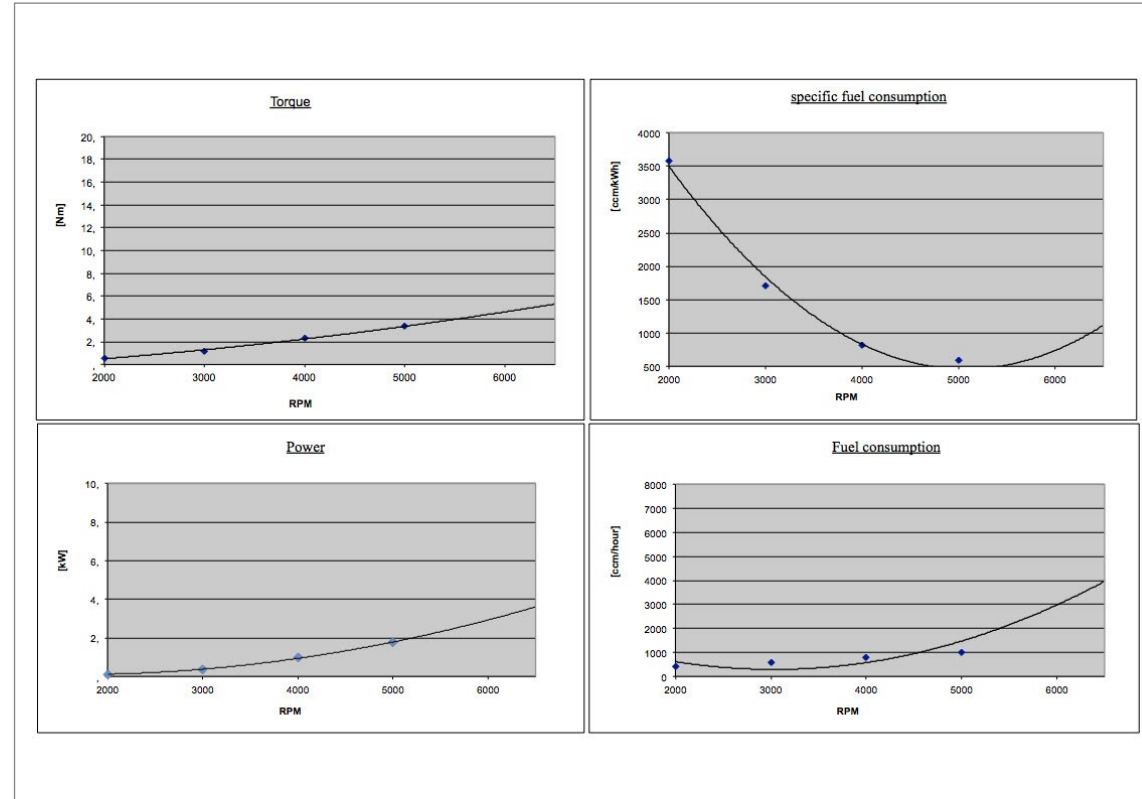
Air pressure (mbar)	1003
Ambient temp. (°C)	21
Humidity (%)	55

ENGINE PARAMETERS

Propeller					n red	Md red	N red	N red	FC	FC	SFC	
Diameter	Pitch	Blades	Vendor	RPM	RPM	[Nm]	[kW]	[PS]	ccm/min	ccm/h	ccm/kWh	gr/PS/h
24	10	2	Menz s	2000	2011	0.57	0.12	0.16	7	420	3575	2103
				3000	3016	1.14	0.36	0.49	10	600	1702	1001
				4000	4022	2.33	0.98	1.33	13	780	812	477
				5000	5027	3.37	1.76	2.40	17	1020	588	346
				6600	6636	5.44	3.76	5.11	72	4320	1167	687



ENGINE GRAPH





CONTACT

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PERFORMANCE BEYOND LIMITS

