

The Sky is the Limit.<sup>SM</sup>

**ROTAX**  
AIRCRAFT ENGINES

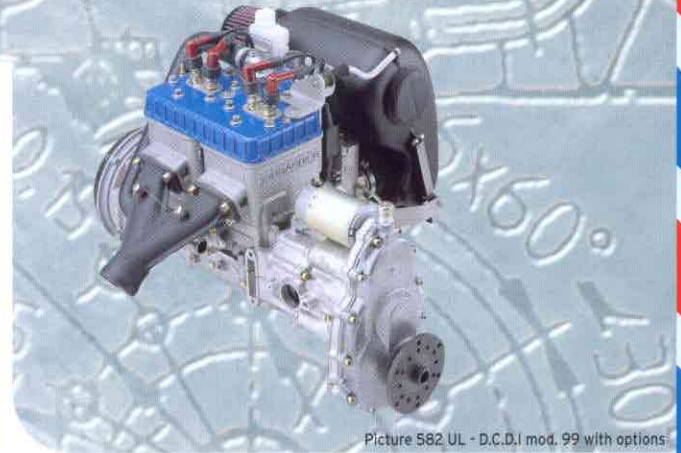
Aircraft Engine

# 582 UL - D.C.D.I. mod. 99

www.rotax-aircraft-engines.com

## DESCRIPTION

2-cyl. 2-stroke liquid cooled engine with rotary valve inlet, with electronic dual ignition, integrated water pump and thermostat, exhaust system, carburetor, rewind starter



Picture 582 UL - D.C.D.I. mod. 99 with options

VERSION	PERFORMANCE			TORQUE			MAX R.P.M.
	kW	hp	1/min	Nm	ft. lb.	1/min	1/min
582 UL-2V	40	53.6	6000	68	50.1	5500	6400
582 UL-2V	48	65.0	6500	75	55.3	6000	6800

BORE		STROKE		DISPLACEMENT		COMPRESSION RATIO	
76 mm	2.99 in.	64 mm	2.52 in.	580.7 cm <sup>3</sup>	35.44 cu. in.	th: 11.5	ef: 5.75

FUEL	Super 2-stroke motoroil	MIXING RATIO
min. MON 83 RON 91* min. AKI 87*	API - TC - Classification	1 : 50 **
* leaded or unleaded		** variable with fresh oil pump

IGNITION UNIT	IGNITION TIMING	SPARK PLUG
DUCATI double CDI	18° v. OT	ROTAX® part no. 897 055

GENERATOR PERFORMANCE	R.P.M.	VOLTAGE
155 W DC	6000 1/min	13.5 V

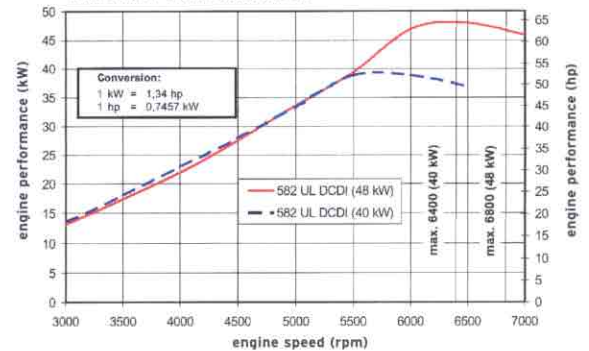
		WEIGHT	kg	lb
Standard	engine		29.1	64.0
	2 carburetors		1.8	4.0
	exhaust system		5.1	11.2
Options	double air filter		0.3	0.7
	electric starter		3.5	7.7
	gearbox "B" / i = 2.0/2.24/2.58		4.5	9.9
	gearbox "C" / i = 2.62/3.0/3.47/4.0		8.0	17.6
	gearbox "E" / i = 2.62/3.0/3.47/4.0		11.2	24.7
	external alternator 220 W DC		1.1	2.4
	2 radiators big		2.2	4.9
	radiator 995 697		1.0	2.2
	expansion tank 922 317		0.3	0.7
	overflow bottle 922 325		0.2	0.4
	fresh oil pump		0.1	0.2
	oil tank 2.4 l		0.6	1.3
	HAC-kit		0.2	0.4
	intake silencer 2V		1.1	2.4
after muffler		1.6	3.5	
instrument FLYdat		0.5	1.1	
recall instrument RDAT		1.0	2.0	

### ⚠ WARNING

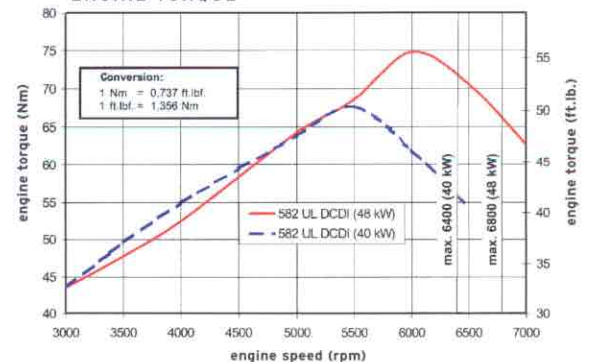
This aircraft engine does not comply with federal safety regulations for standard aircraft. This engine is for use in experimental and ultralight uncertified aircraft only and only in circumstances in which an engine failure will not compromise safety. Before operating the engine read operator's manual. Information is available from your local authorized ROTAX®-distributor.

ROTAX® authorized distributor

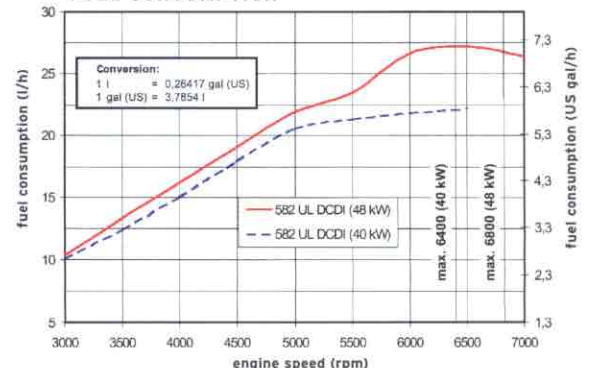
## ENGINE PERFORMANCE



## ENGINE TORQUE



## FUEL CONSUMPTION





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