



|                  |                                   |                                     |             |
|------------------|-----------------------------------|-------------------------------------|-------------|
| ENGINE IDENT     | Rotax 912S                        | CARBURETOR                          | 2 x Bing 64 |
| UNIQUE ID NUMBER | PF05                              | INJECTION NOZZLE                    | -           |
| ENGINE TYPE      | 4Cyl. 4Stroke<br>Water/Oil Cooled | RATED POWER (P <sub>oo</sub> ) (HP) | 100         |
| PROPELLER TYPE   | DUC Swirl 3-Blade                 |                                     |             |

DATA STATUS

x EMISSION INVENTORY  
PRE-REGULATION  
CERTIFICATION  
REVISED

TEST ENGINE STATUS

x NEWLY MANUFACTURED ENG.  
USED ENGINE  
DEDICATED TO PRODUCTION  
OTHER (SEE REMARKS)

MEASUREMET STATUS

x GROUND BASED FIXED PITCH PROP  
GROUND BASED VARIABLE PITCH PROP

CURRENT ENGINE STATUS

x IN PRODUCTION  
OUT OF PRODUCTION  
OUT OF SERVICE

EMISSIONS STATUS

x DATA CORRECTED TO REFERENCE TEMPERATURE  
DATA CORRECTED TO REFERENCE (ANNEX 16 VOLUME II)  
V5 CALCULATION METHODOLOGY VERSION NUMBER

MEASURED DATA

| MODE                                     | POWER SETTING (%) | TIME (minutes) | FUEL FLOW (kg/s) | EI HC (g/kg) | EI CO (g/kg) | EI NOx (g/kg) | PM (...) |
|--|-------------------|----------------|------------------|--------------|--------------|---------------|----------|
| TAKE-OFF                                 | 100               | 0.3            | 0.0050           | 14.2         | 602          | 16            |          |
| CLIMB OUT                                | 85                | 2.5            | 0.0042           | 14.9         | 439          | 26            |          |
| CRUISE                                   | 75                | 60             | 0.0032           | 16.2         | 587          | 17            |          |
| APPROACH                                 | 45                | 3              | 0.0022           | 16.6         | 609          | 11            |          |
| TAXI                                     | 12                | 12             | 0.0005           | 42.4         | 941          | 1             |          |
| CRUISE LEAN                              | 65                | 60             | 0.0028           | 16.4         | 580          | 18            |          |
| LTO TOTAL FUEL (kg) or EMISSIONS (g)     |                   |                | 1.48             | 32.5         | 911          | 23            |          |
| CRUISE 1 HOUR FUEL (kg) or EMISSIONS (g) |                   |                | 10.1             | 165          | 5851         | 178           |          |
| NUMBER OF TESTED ENGINES                 |                   |                | 1                | 1            | 1            | 1             |          |
| NUMBER OF TESTS                          |                   |                | 3                | 3            | 3            | 3             |          |

ATMOSPHERIC CONDITIONS

BAROMETER QNH (hPa) 1024  
TEMPERATURE (°C) 16  
DEW POINT (°C)  
DENSITY ALTITUDE (ft) 3408

FUEL

SPEC MOGAS  
HC C7H13

MANUFACTURER:

TEST ORGANIZATION: FOCA  
TEST LOCATION: LF5253 France  
TEST DATES: 08. Jun 06

REFERENCE:

33-05-003 groundmeasurement74.carburated.  
carburated.fixprop.V5.Rotax912S\_060608\_rit  
Expert: T. Rindlisbacher

REMARKS:

No manual mixture control