

## 10) Operating parameters

### 1. Speed:

Take-off speed .....6800 RPM max. 5 min  
 Take-off speed at 582 UL DCDI 40 .....6400 RPM max. 5 min  
 cruising speed .....6500 RPM  
 cruising speed at 582 UL DCDI 40 .....6000 RPM  
 Idle speed .....ca. 2000 RPM

### 2. Take off Performance (ISA): (International Standard Atmosphere)

447 UL SCDI	503 UL DCDI	582 UL DCDI	582 UL DCDI mod. 99	
29,5 kW	37 kW	40 kW	48 kW	48 kW

02846

### 3. Oil capacity of oil injection lubrication at 1500 rpm pump speed per outlet

503 UL DCDI		582 UL DCDI / mod. 99		
cm <sup>3</sup> /h	cu.in/h	cm <sup>3</sup> /h	cu.in/h	
max. 192	11,7	max. 135	8,2	02970

### 4. Cylinder head temperature (reading at spark plug seat):

dimension	447 UL SCDI		503 UL DCDI		582 UL DCDI / mod. 99	
	°C	°F	°C	°F	°C	°F
max.	260	500	250	480	150	300
normal	190-230	374-446	180-220	350 - 430	110 -130	230 - 270
difference between cyl. 1 and 2	max. 20	36	max. 20	34	max. 10	16

02971

### 5. Exhaust gas temperatures:

dimension	447 UL SCDI		503 UL DCDI		582 UL DCDI mod. 99	
	°C	°F	°C	°F	°C	°F
max.	650	1200	650	1200	650	1200
normal	460-580	860-1000	460-580	860-1000	500-620	930-1150
difference between cyl. 1 and 2	max. 25	43	max. 25	43	max. 25	43

09472

d04892

- 6. **Engine start, operating temperature:**
  - max. .... 50 °C ..... (120° F)
  - min. .... -25 °C ..... (- 13° F)
- 7. **Coolant temperature on ROTAX 582 UL DCDI / mod. 99:**
  - max. .... 80 °C ..... (175° F)
  - min. .... 65 °C ..... (150° F)
- 8. **Fuel pressure:**
  - max. .... 0,4 bar ..... (6 psi)
  - min. .... 0,2 bar ..... (3 psi)