

## 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

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### 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

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

	447 UL SCDI		503 UL DCDI		582 UL DCDI / mod. 99	
dimension	°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

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### 5. Exhaust gas temperatures:

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

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