

2.4 Power-Plant

Engine: IAE50R-AA

Maximum power,	
take-off:	37.3 kW (3 minute limit) 7750 rpm
continuous:	35.8 kW 7100 rpm
Maximum take-off revs:	7750 rpm
Maximum continuous revs:	7100 rpm
Maximum overspeed revs:	(20 sec.) 8000 rpm

Maximum coolant temperature:	100°C 212°F
Maximum coolant temperature, take-off:	90°C 194°F
Minimum coolant temperature, take-off:	60°C 140°F
Maximum rotor cooling air temperature:	130°C 266°F

NOTE: *The above stated take-off performance refers to the minimum value as given in the engine data sheet. A nominal performance of 41 kW is typical on the other hand.*

Lubricant: Total loss oil lubrication
at ratio 1:60 approximately

Transmission: Toothed belt transmission with 1:2.68 reduction ratio.

The following types of propeller are approved:

Manufacturer: Alexander Schleicher GmbH
Propeller: AS2F1-1/R153-92-N1

Power-Plant

Engine:	IAE 50R-AA	
Max. power, take-off:	37.3 kW (3 minute limit)	7750 rpm
Max. cont. power:	35.8 kW	7100 rpm
Max. take-off revs:		7750 rpm
Max. continuous revs:		7100 rpm
Max. overspeed revs (20 sec.):		8000 rpm
Min. idle revs:		2800 rpm
Max. coolant temp., take-off:		90 °C (194°F)
Min. coolant temp., take-off:		40 °C (104°F)
Max. coolant temp., continuous:		100 °C (212°F)
Max. rotor cooling air temp.:		130 °C (266°F)

Note: *The above stated take-off performance refers to the minimum value as given in the engine data sheet. A nominal performance of 41 kW is typical on the other hand.*

Lubrication: Total loss oil lubrication
at ratio: 1:60 approx.

Oil and fuel grades: see Flight Manual Section 2.12

Transmission: Toothed belt transmission with 1:2.78 reduction ratio.

The following types of propeller are approved:

Manufacturer: Alexander Schleicher GmbH & Co.
Propeller: AS2F1-1/R153-92-N1