

**Performance data
912 iSc/iS Sport**

Engine speed over 5500 rpm is restricted to 5 minutes. Run the engine in accordance with the following table.

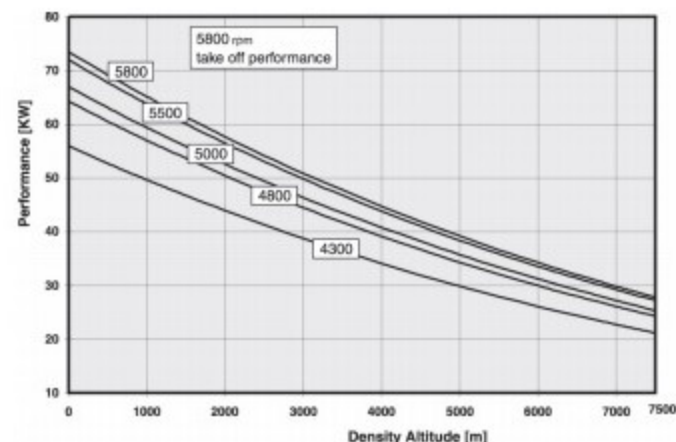
Power setting	Engine speed (rpm)	Performance (kW)/(HP)	Torque	
			(Nm)	(ft. lb)
Take-off power	5800	73.5/100	121.4	89.54
max. continuous power	5500	72.02/97.9	126.4	93.23
75%	5000	54.0/73.4	103.1	76.04
65%	4800	46.7/63.5	93.3	68.81
50%	4300	35.9/48.8	78.5	57.90

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912 iSc/iS**

Power setting	Engine speed (rpm)	Performance (kW)/(HP)	Torque	
			(Nm)	(ft. lb)
Take-off power	5800	73.5/100	121.0	89.24
max. continuous power	5500	69.0/92	119.8	88.36
75%	5000	51.8/69	98.7	72.79
65%	4800	44.9/60	89.5	66.01
50%	4300	34.5/46	75.3	55.53

Performance graph for non-standard conditions Engine 912 iSc/iS and 912 iS/iSc Sport

The following graph shows the performance drop with increasing flight altitude. The curves show the performance at 5800, 5500, 5000, 4800 and 4300 rpm, at full throttle. At deviation of temperature conditions from standard atmosphere conditions the engine performance to be expected can be calculated from the performance indicated, multiplied by standard temperature, divided by actual temperature in °K.



$$P_{\text{akt}} = P_{\text{stand}} \cdot \frac{T_{\text{standard}}}{T_{\text{aktuell}}}$$

$$T \text{ [K]} = t \text{ [°C]} + 273$$

Figure 3: Performance graph



Further essential information regarding engine behavior see Service Letter SL-912 i-003, latest edition.