

Operator's Manual

Lycoming

O-235 and O-290 Series

Approved by FAA

5th Edition

Part No. 60297-9

LYCOMING

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SECTION 3
OPERATING INSTRUCTIONS

LYCOMING OPERATOR'S MANUAL
O-235 AND O-290 SERIES

OPERATING CONDITIONS (CONT.)

O-235-F, -G, -J

Operation	RPM	HP	Fuel Cons. Gal./Hr.	Max. Oil Cons. Qts./Hr.	*Max. Cyl. Head Temp.
Normal Rated	2800	125	10.7	0.56	500°F (260°C)
Performance Cruise (75% Rated)	2500	94	7.3	0.31	500°F (260°C)
Economy Cruise (65% Rated)	2400	81	5.8	0.27	500°F (260°C)

* - At Bayonet Location – For maximum service life of the engine, maintain cylinder head temperatures between 150°F (65°C) and 400°F (204°C) during continuous operation.

O-235-K, -L, -M

Operation	RPM	HP	Fuel Cons. Gal./Hr.	Max. Oil Cons. Qts./Hr.	Max. Cyl. Head Temp.
Normal Rated	2800	118	9.5	0.39	500°F (260°C)
Performance Cruise (75% Rated)	2500	89	6.7	0.30	500°F (260°C)
Economy Cruise (65% Rated)	2400	77	5.8	0.27	500°F (260°C)

O-235-K2C

Operation	RPM	HP	Fuel Cons. Gal./Hr.	Max. Oil Cons. Qts./Hr.	Max. Cyl. Head Temp.
Take-Off	2800	118	----	----	500°F (260°C)
Normal Rated	2700	115	9.2	0.38	500°F (260°C)
Performance Cruise (75% Rated)	2425	86	6.4	0.29	500°F (260°C)
Economy Cruise (65% Rated)	2300	75	5.6	0.25	500°F (260°C)

O-235-H Series

Operation	RPM	HP	Fuel Cons. Gal./Hr.	Max. Oil Cons. Qts./Hr.	Max. Cyl. Head Temp.
Take-Off	2800	115	----	----	500°F (260°C)
Normal Rated	2600	108	10.7	0.36	500°F (260°C)
Performance Cruise (75% Rated)	2350	81	7.3	0.27	500°F (260°C)
Economy Cruise (65% Rated)	2250	70	5.8	0.23	500°F (260°C)