

**OPERATING CONDITIONS**

Oil Pressure, psi –

Model	Maximum	Minimum	Idling	Start and Warm-Up
O-235 –C, -E, -F, -G, -H2C, -J, -K, -M	90	60	25	100
O-235-B	90	60	15	100
O-235-L*, -N	90	60	15	115
O-235-P	90	55	15	115
O-290-D	85	60	25	
O-290-D2	90	60	25	100
* - Front of engine	90	50	15	

Fuel Pressure, psi –

Model	Maximum	Desired	Minimum
All O-235 models, O-290-D2	8	3	0.5
O-290-D	5	3	0.5

Average Ambient Air Temperature	Desired	Oil Inlet Temperature Maximum
Above 60°F (15.5°C)	180°F (82°C)	245°F (118°C)
30°F (-1.11°C) to 90°F (32.2°C)	180°F (82°C)	245°F (118°C)
0°F (-17.8°C) to 70°F (21.1°C)	170°F (77°C)	245°F (118°C)
Below 10°F (-12.2°C)	160°F (71°C)	245°F (118°C)

Engine oil temperatures should not be below 140°F (60°C) during continuous operation.

**O-235-C, -E**

Operation	RPM	HP	Fuel Cons. Gal./Hr.	Max. Oil Cons. Qts./Hr.	*Max. Cyl. Head Temp.
Normal Rated	2800	115	10.7	0.52	500°F (260°C)
Performance Cruise (75% Rated)	2350	86	7.3	0.29	500°F (260°C)
Economy Cruise (65% Rated)	2250	75	5.8	0.25	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.