



# Engine Performance Specifications

ENGINE FEATURES	OX-320	IOX-320	OX-340S	IOX-340S	OX-360	IOX-360
<b>PERFORMANCE</b>						
Maximum Continuous HP	154 / 164 / 167	156 / 166 / 169	177	185	175 / 185 / 189	178 / 188 / 191
Maximum RPM @ full power	2,700	2,700	2,700	2,700	2,700	2,700
Maximum recommended TBO (hours)	2,000	2,000	2,000	2,000	2,000	2,000
<b>CYLINDERS</b>						
Number of Cylinders	4	4	4	4	4	4
Bore (inches)	5.125	5.125	5.125	5.125	5.125	5.125
Stroke (inches)	3.875	3.875	4.125	4.125	4.375	4.375
Displacement (cubic inches)	319.7	319.7	340.4	340.4	361	361
Compression Ratio	7.0:1 / 8.5:1 / 9.0:1	7.0:1 / 8.5:1 / 9.0:1	8.3:1	8.3:1	7.2:1 / 8.5:1 / 9.0:1	7.2:1 / 8.5:1 / 9.0:1
CHT — maximum	475°F	475°F	475°F	475°F	475°F	475°F
CHT at maximum cruise (recommended)	425°F	425°F	425°F	425°F	425°F	425°F
<b>SPARK PLUG BOSS (top/bottom)</b>						
	18mm/18mm (14/18mm or 14/14mm optional)	18mm/18mm (14/18mm or 14/14mm optional)	18mm/18mm (14/18mm or 14/14mm optional)	18mm/18mm (14/18mm or 14/14mm optional)	18mm/18mm (14/18mm or 14/14mm optional)	18mm/18mm (14/18mm or 14/14mm optional)
<b>FUEL</b>						
Delivery System	MA4-SPA Carburetor	TITAN Fuel Injection System	MA4-5 Carburetor	TITAN Fuel Injection System	MA4-5 Carburetor	TITAN Fuel Injection System
Aviation Grade, Octane (recommended)	100/100LL	100/100LL	100/100LL	100/100LL	100/100LL	100/100LL
GPH consumption @ 75% power	9.8	9.5	9.6	10.2	11.1	10.9
GPH consumption @ 65% power	8.5	8.3	8.7	8.8	9.6	9.5
<b>DIMENSIONS</b>						
Height (inches)	23.93 (includes carburetor)	20.63 (unfinned sump)	23.93 (includes carburetor)	20.63 (unfinned sump)	23.93 (includes carburetor)	21.49 (finned sump) 20.63 (unfinned sump)
Width (inches)	32.27	32.27	32.27	32.27	33.41	33.41
Length (inches)	29.07	32.57	29.07	32.57	29.07	32.57
<b>OIL TEMPERATURE</b>						
Desired Oil Temperature T/O	180°F	180°F	180°F	180°F	180°F	180°F
Maximum Oil Temperature	245°F	245°F	245°F	245°F	245°F	245°F
Normal Operating Oil Pressure, psi (Maximum / Minimum / Idling)	90 / 60 / 25	90 / 60 / 25	90 / 60 / 25	90 / 60 / 25	90 / 60 / 25	90 / 60 / 25
<b>ENGINE MOUNT</b>						
	Dynafocal Type 1 or Conical	Dynafocal Type 1 or Conical	Dynafocal Type 1 or Conical	Dynafocal Type 1 or Conical	Dynafocal Type 1 or Conical	Dynafocal Type 1 or Conical
<b>PROPELLER</b>						
Type	Fixed Pitch or Constant Speed	Fixed Pitch or Constant Speed	Fixed Pitch or Constant Speed	Fixed Pitch or Constant Speed	Fixed Pitch or Constant Speed	Fixed Pitch or Constant Speed
<b>PROP GOVERNOR LOCATION</b>						
	Right Rear	Right Rear	Right Rear	Right Rear	Right Rear	Right Rear
<b>CRANKSHAFT</b>						
Flange	.38 thick	.38 thick	.44 thick	.44 thick	.44 thick	.44 thick
Stroke	3.875	3.875	4.125	4.125	4.375	4.375
Bushings (prop bolt size)	7/16-20 UNF	7/16-20 UNF	1/2-20 UNF	1/2-20 UNF	1/2-20 UNF	1/2-20 UNF
<b>SUMP</b>						
Oil Capacity	8 quarts	8 quarts	8 quarts	8 quarts	8 quarts	8 quarts
Induction Plenum	Hot	Cold	Hot	Cold	Hot	Cold
Material	Aluminum	Magnesium	Aluminum	Magnesium	Aluminum	Magnesium