

	Engine	Merc 496HO BBC	Flow State 7.3L Marine Godzilla
General	MSRP	\$ 29,250.00	\$ 29,000.00
	Rated Power	430	500
	\$/hp	68	58
	Peak torque	455@3200	500@3200 535@4000
	Weight	1130	780
	lb./Hp	2.63	1.56
	Base Architecture Release Year	1962	2020
	Disp	496	445
	Redline	5000	5800
	Width	33	33.375
	Length	35	30.2
	Height	33.2	32.7
	Octane	87	87
Comp. Ratio	9.1	10.5	
Block	Block Material	Cast Iron	Cast Iron
	Main Bolts	4	6, 4+2 cross with deep skirt block
	Bore	4.25	4.22
	Stroke	4.37	3.976
	Deck Height	9.8	9.65
Rotating Assembly	Crank	Nodular Iron	Forged Steel
	Crank Main JournalØ	2.749	2.66
	Crank con rod Ø	2.200	2.086
	Con Rod Big Eng	2.324	2.236
	Con Rod	Nodular Iron	Forged Powdered Metal
	Con Rod Pin Ø	0.99	0.99
	Con Rod Length	6.135	6.319
	Con Rod bolt size	0.375	0.393
	Piston Material	Cast Aluminum	Cast Aluminum
Head and Induction		.078	.059
		.078	.059
	Ring Pack	.188	.118
	Head Material	Cast Iron	Aluminum
	Head bolt qty per cylinder	5	4
		0.4375"	
	Head bolt size	11.11mm	13mm
	Bolt Cross Sectional Area per cylinder	0.752	0.823
		1.949"	
	Cam Core	49.5mm	60mm
	Intake Valve Ø	2.19"	2.17"
	Exhaust Valve Ø	1.72"	1.66"
	Intake Valve Angle/ Cant	26°/4°	8.8°/1.8°
	Exhaust Valve Angle/ Cant	17°/4°	8.8°/1.8°
	Intake/Exhaust Lift	.510/.510	0.539/0.595
	Cam Duration	224/224	201/212
	Rocker Ratio	1.7	1.8
	Rocker Type	stamped	nitrided roller bearing
	Valve Installed Height	1.8,1.88,2.0	2.3
Intake Material	Aluminum	Glass Filled Nylon	
Throttle Body Size	78mm	80mm	
Misc	Firing Order	1-8-7-2-6-5-4-3	1-5-4-8-6-3-2-7/ cylinder 1 is opposite side
	Lifter Bore	0.842	0.842
	Piston oil squirters	No	Yes
	Oil Capacity Qt.	6.5	8
	Alternator Amps	65	240, 397 w/Dual
	Sealing Strategies	Legacy	Modern
	Oiling	Wet sump	Wet sump