



SB4 7.0 PRODUCT SPECIFICATIONS
1-Nov-16

SPECIFICATION	SB4 7.0
Transmission Rated Horsepower >Kilowatts (kW)	775 @ 7500 rpm 578 @ 7500 rpm
Rev Limit Speed	8000 rpm
Cylinders/Engine Configuration	V-8, 32-Valve Double Overhead Cam (DOHC)
Valve Actuation	Shaft Mounted, End Pivot Finger Follower With Mechanical Lash Adjustment
Displacement >Cubic Inches (CID) >Liters (L)	428 7.0
Bore & Stroke >Inches (in.) >Millimeters (mm)	4.125 x 4.000 104.775 x 101.60
Compression Ratio	11.7:1
Induction System	Naturally Aspirated with Twin Electric Throttle Bodies
Fuel System	Sequential Port Fuel Injected (SPFI)
Fuel Requirements	Unleaded 91 Octane (R+M/2)
Ignition System	Individual Coil on Plug, with Integrated Drivers
Charging System	Fully Regulated Belt Driven 165-Amp (2327 Watt)
Controller	Mercury Racing PCM
Cooling System	Water Cooled with 160°F (71°C) Thermostat
Lubrication System	Wet Sump w/ 4th Gen Camaro LS1 Pan, GM High Volume Oil pump
Oil Requirement	Synthetic 10W-30 API Service Classification SL, SM, or SN
Oil Capacity (with Filter) >Quarts (qts.) >Liters (l)	7 6.6
Transmission	Engine is Capable of Operating with Customer Supplied Manual or Automatic Transmission
Length (From Back of Block to Front of Engine - Crank Pulley) >Inches (in.) >Millimeters (mm)	27.1 688
Width (Across Timing Belt Cover) >Inches (in.) >Millimeters (mm)	30.25 769
Width (Across Rear of Cylinder Heads) >Inches (in.) >Millimeters (mm)	29.1 740
Height (From Crankshaft Centerline to top of Throttle Body Motors) >Inches (in.) >Millimeters (mm)	17.1 435
Weight (Without Accessory Drive) >Pounds (lbs.) >Kilograms (kg)	498 226
Warranty	12-Month Limited