



GALE BANKS 630T

V6 3.0L DIESEL



» The 630T is a high-performance and lightweight V6 turbo diesel engine displacing 3.0L and is available with ratings up to 268 hp @ 4000 rpm. The engine features a chain driven dual overhead cam valvetrain, aluminum cylinder heads, compact graphite (CGI) block and bedplate, and a variable geometry turbocharger. It is controlled by the AutoMind® EDC featuring J1939 CAN communications, gear-based torque management, OBD-II style diagnostics, and many active protection features. A variable speed governor is available for applications requiring active engine speed management.

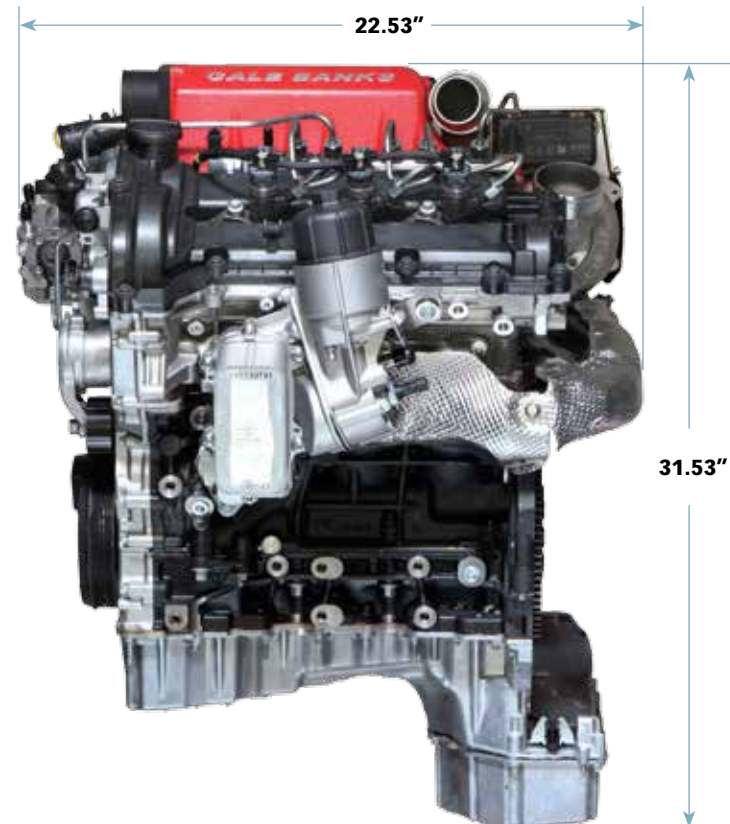
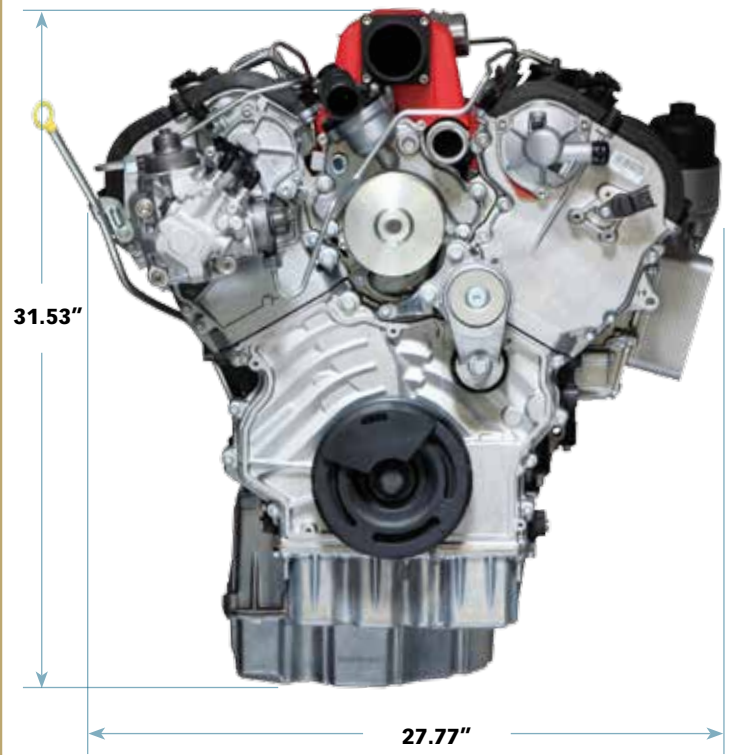


AutoMind® EDC

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- » **Engine Management:** AutoMind® Electronic Diesel Controller
- » **Displacement:** 3.0L [182ci]
- » **Configuration:** 60 Degree Even-Fire V6
- » **Bore x Stroke:** 83 mm x 92 mm [3.26 in x 3.62 in]
- » **Compression Ratio:** 16.5:1
- » **Valvetrain:** DOHC (Chain Driven), 4 valves / cylinder, roller finger followers, hydraulic lash adjustment
- » **Valve Sizes:** 28.5 mm [1.12 in] (Intake), 25.4 mm [1.00 in] (Exhaust)
- » **Weight:** 226 kg [498 lb]
- » **Base Power:** 176 – 200 kw [221 – 268 hp] @ 4000 RPM
- » **Base Torque:** 500 – 570 Nm [369 – 421 lb-ft] @ 2000 RPM
- » **Max RPM:** 4800
- » **High Pressure Fuel System:** Bosch Common Rail, CP4.2 injection pump, 2000 bar [29,000 psi] max pressure
- » **Turbocharger:** Electronically Controlled VGT, ball bearing and Water Cooled for high power variant
- » **Cylinder Case:** Cast Compacted Graphite Iron, 72 kg [159 lbs], Four M14 Head Bolts per Cylinder
- » **Bed Plate:** (lower main cap / girdle assembly) Six M12 Bolts per main, 16kg [35lbs]
- » **Crankshaft:** Forged 4140 Steel, 74 mm [2.91 in] Main / 67.5 mm [2.66 in] Connecting Rod Journals, Externally Balanced
- » **Peak Combustion Pressure:** 180 bar [2610 psi]
- » **Oil System:** Gerotor pump, engine coolant heat exchanged, one piston cooling nozzle / piston



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