



FORD COMPONENT SALES

1.0L Fox MHEV Engine 100ps

Technical Specifications

Engine Type: 3-cyl., In-line, Dual Overhead Cam

Block / Head:
Cast iron / Aluminium

Displacement (litres / cu in)
1.0L - 999cc (61.0)

Bore x Stroke (in): 71.9mm 82mm

Main Bearings: 4

Compression Ratio: 10.5:1

Fuel Injection: Sequential
Multiport Fuel Injection

Valve Operation: Direct Acting
Mechanical Bucket (DAMB)

Power (PS @ RPM)
70KW(95 PS) / 4500 - 6000 rpm

Torque (170 Nm / 1400 - 4500
RPM)

Oil Capacity / Spec:
5.05 L (5.34 qt) SAE 5W-20

Weight (kg.): 105kg

Dimensions (mm) H x W x L:
65 x 60 x 65



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Key Features & Benefits

Cast Iron engine block and cylinder head help contribute to low vehicle weight

Camshafts driven by timing chain, not belt, for more robustness

DOHC design uses four valves per cylinder improves engine breathing and performance

Direct Acting Mechanical Bucket (DAMB) valvetrain with polished buckets to reduce friction and improve fuel economy no adjustment needed throughout engine life (150,000 miles)

Sequential multi-port electronic fuel injection provides fuel at precisely the right moment for optimum performance

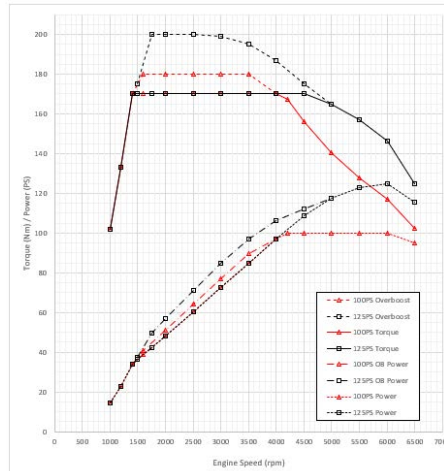
Coil-on-plug ignition system design replaces spark plug wires for high-mileage durability

Electronic throttle control, also known as "drive by wire" uses electronic sensors to operate the throttle

Gaseous Fuel Capable Option

Intake-Variable Cam Timing allows the camshafts to operate the intake valves at different times in the combustion cycle, based on speed and load. It adjusts the timing for maximum performance and efficiency

Composite intake manifold for improved airflow



Fox Upgrade 1.0ltr GTDI 10.5:1
EU6.2
100PS C519/V769
38Ron

100PS Overboost

Engine Speed (rpm)	Torque (Nm)	Overboost (Nm)	Power (PS)	OB Power (PS)
1000	102	N/A	14.5	N/A
1200	133	N/A	22.7	#VALUE!
1400	170	170	33.9	33.9
1600	170	180	38.7	41.0
2000	170	180	48.4	51.3
2500	170	180	60.5	64.1
3000	170	180	72.6	76.9
3500	170	180	84.7	89.7
4000	170	170	96.8	96.8
4200	167	N/A	100.0	N/A
4500	156	N/A	99.9	N/A
5000	140.4	N/A	99.9	N/A
5500	127.7	N/A	100.0	N/A
6000	117	N/A	99.9	N/A
6500	103	N/A	94.9	N/A



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