



2009 Matrix 150

by E-TON



Just go there!

2009 Matrix 150

Metallic Red
Deep Sea Blue

Introducing the 2009 E-TON Matrix 150 Scooter, the next generation of the popular Beamer Matrix scooter line. This Beamer is powered by a 150cc 4 cycle engine that gives you great performance and an economical transportation alternative. With estimated mileage of 120 MPG*, the 2009 Matrix 150 is easy on the fuel bill.

This 2009 model is EPA approved and meets or exceed all other Federal DOT regulations.

The Matrix 150 is fully decked out with our Powder Coat 12" Aluminum Mag-Wheels and front and rear Hydraulic Disc HydrDisc® Brakes, and dual shock rear suspension.

The sporty look of the Matrix 150 gives you a stylish economical ride.

Engine		
Type	Four cycle air/oil cooled (EPA Compliant) SOHC	
Displacement	149.5cc	
Bore / Stroke	φ57.4 * 57.8mm	
Compression Ratio / Pressure	9.7 : 1 / 150-190psi	
Torque	10.5N m @ 6000rpm	
Max Speed	110kph - 70mph	
EPA Approved	Meet or exceeds EPA clean air requirements and CA Green Sticker	
Estimated MPG	120+ MPG (MPG under test conditions)	
Starting	Electrical starter with kick start backup	
Transmission		
Type	Automatic (C.V.T. V-Belt)	
Chassis		
Overall Length	1915mm / 75.2"	
Overall Width	655mm / 25.8"	
Overall Height	1015mm / 40.0" (1270mm/50.2" w/ mirrors)	
Seat Height	780mm/30.1"	
Wheel Base	1355mm / 53.3"	
Dry Weight	112.5kg / 248.0 lb	
Suspension		
Front	Telescopic Fork, Travel 75mm/3.0"	
Rear	Dual Adjustable Shocks, Travel 45mm/1.8"	
Brakes		
Front	180mm HydrDisc® Hydraulic Disc	
Rear	180mm HydrDisc® Hydraulic Disc	
Tires		
Front	120/70-12 — 18psi / 1.25kg/cm ² (Cold)	
Rear	130/70-12 — 25psi / 1.75kg/cm ² (Cold)	
Carburetor		
Make/Size	Kei-Hin CVEK-019 26mm with Manual Choke	
Main Jet	1.12mm	
Pilot Jet	0.35mm	
Air Mixture Adjustment	Back out 1 - 2½turns	
Idle Speed	Idle 1600 - 1800rpm	
Battery		
Lead Acid (Maintenance Free)	12V-8AH	
Main Fuse	10Amp	
Fluids		
Fuel	Type	Unleaded Gasoline 89 octane
	Volume	6.5 liters / 1.7gal
Engine Oil	Type	SAE 20w-40
	Volume	1.0 liters / 1.0 qt
Transmission	Type	SAE 80W/90
	Volume	300cc / 10.2 oz
Spark Plug		
NGK (recommended)	BPR7HS	
Nipendenso	W22FRP-U	
Champion	QL82YC	
Electrode Gap	0.6-0.7mm / 0.023"	
GVWR (Total)		
(Front)	76kg. / 167lbs.	
(Rear)	165kg. / 164lbs.	
Two Passenger		
	YES	

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