



**MODEL: ..... 2007 TRAIL BOSS 330**  
**MODEL NUMBER: . A07CA32AA**  
**ENGINE MODEL: .. EH32PFE**

<b>Category</b>	<b>Dimension</b>
Length	75 in./191 cm
Width	46 in./117 cm
Height	46 in./117 cm
Wheel Base	49.5 in./125.73 cm
Ground Clearance	5.5./13.97 cm
Dry Weight	505 lbs./230 kg
Gross Vehicle Weight	845 lbs./383 kg
Oil Capacity	1.9qts./1.8 ltr
Front Rack Capacity	75 lbs./34 kg
Rear Rack Capacity	125 lbs./57 kg
Towing Capacity	850 lbs./385 kg
Hitch Tongue Weight	85 lbs./14 kg
Body Style	Gen IV



# GENERAL INFORMATION



**MODEL: ..... 2007 TRAILBOSS 330**

**MODEL NUMBER: . A07CA32AA**

**ENGINE MODEL: .. EH32PFE10**

Engine	
Platform	Fuji 4 stroke, Single Cylinder
Engine Model Number	EH32PFE104
Engine Displacement	329cc
Number of Cylinders	1
Bore & Stroke (mm)	78.5 x 68 mm
Compression Ratio	9.2:1
Compression Pressure	70-90 psi
Engine Idle Speed	1300 ± 100 Rpm
Cooling System/Capacity	Oil/ Air w/ fan assist
Overheat Warning	HOT Light on Panel
Lubrication	Wet Sump
Oil Requirements	Polaris 0W-40
Exhaust System	USFS Approved
Carburetion	
Carburetor model	Mikuni BST 34mm
Main Jet	122.5
Pilot Jet	42.5
Jet Needle	4HB48-3
Needle Jet	P-4 (829)
Pilot Screw	2 Turns Out (Initial starting point, may vary for each ATV)
Pilot Air Jet	160
Float Height	13 ± 1 mm (0.51 ± 0.40")
Fuel Delivery	Fuel Pump
Fuel Capacity / Requirement	3.25 gal. (12.3 L) 87 Octane (minimum) 89 Oxygenated
Electrical	
Alternator Output	200 w @ 5000 RPM
Voltage Regulator	3-Phase
Lights : High Beam	2x30 watts
Low Beam	2x30 watts
Brake	26.9 watts
Tail	8.26 watts
Ignition System	DC/CDI Ignition
Ignition Timing	30° ± 2° BTDC @ 5000 RPM
Spark plug / Gap	NGK BKR6E/ .036 in./ 0.9 mm
Battery / Model / Amp Hr	Maintenance-Free - 14 Amp Hr
Circuit Breakers	Harness 20 amp
Starting	Electric / Recoil Backup
Indicator Panel	Standard

Drivetrain	
Transmission Type	Inline H/N/R
Transmission Capacity	11.3 oz. (335 ml)
Gear Ratio :	High 2.68/1 Rev. 3.05/1 Final 11/40 78P
Chain Type	520 O-Ring
Clutch Type	PVT Non EBS
Belt	3211077
Steering / Suspension	
Front Suspension / Shock	A-arm / MacPherson Strut
Front Travel	6.7 in. / 17.02 cm
Rear Suspension Style / Shock	Progressive Rate Swingarm / Coil over shock
Rear Travel	9 in. / 22.86 cm
Ground Clearance	5.5 in. / 13.97 cm
Shock Preload Adjustment Front / Rear	Front - n/a Rear - Cam
Turning Radius	75 in. / 191 cm
Toe Out	0 - 1/16 in / .0 - .159 mm
Wheels / Brakes	
Wheel Size - Front	23 x 7 - 10 / 4-156
Wheel Size - Rear	22 x 11 - 10 / 4-102
Air Press. F/R Tires	4 psi Front / 3 psi Rear
Brake - Front	Dual Hydraulic Disc
Brake - Rear	Single Hydraulic Disc
Brake Fluid	Polaris DOT 3 Brake Fluid

JETTING CHART		AMBIENT TEMPERATURE	
		Below 40°F Below 5°C	+40°F to +80°F +5°C to +28°C
Altitude	0-1800 (0-6000)	127.5	122.5
	above 1800 (above 6000)	120	115

## CLUTCH CHART

Altitude		Shift Weight	Drive Spring	Driven Spring	Driven Helix
Meters (Feet)	0-1800 (0-6000)	10 RH (5630709)	Blu/Grn (7041157)	Black (7041782)	45° 2-2 (5131446)
	1800-3700 (6000-12000)	20-40 (5631356)	Blu/Grn (7041157)	Black (7041782)	45° 2-2 (5131446)