

General Electric Genesis P40/P42DC



Amtrak 156 (Heritage - Phase I) at Rock Island, Illinois in July 2011 (R. Craig photo)

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Data Sheet Formatted by: R. Craig

Engine Builder: General Electric	Engine: 4-cycle Model 7FDL16
Engine Displacement: 10,690 cubic inches	Cylinder size: 668 cubic inches
RPM (Maximum / Minimum)	1050 / 200
Traction Alternator: GMG195	Horsepower: 4000 / 4250
Truck Type: 4-Wheel Krupp-MaK High-speed	Configuration: B - B
Weight: 268,240 lbs	Traction Motors: GE 752AH (Four)
Maximum Speed	103 / 110 mph
Tractive Effort (starting) 63,000 lbs	Tractive Effort (continuous): 38,000 lbs
Multiple Unit Capability: Yes	Dynamic / Regenerative / Electropneumatic Braking: Yes
Quantity Built: P40DC (44) / P42DC (228)	Dates: 1993 to 2001
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Exterior Dimensions	P40DC / P42DC
Total Length	69'-00"
Minimum Curve	251 feet (22.8 degrees)
Wheel Diameter	40"
Height	14'-04"
Wheelbase	43'-02.5"
Width	10'-00"
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Fuel Oil: 2200	Lubricating Oil: 410
Engine Cooling Water: 380	Sand Capacity: 26 cubic feet
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Reference Sources:

- [Encyclopedia of Trains and Locomotives](#) by David Ross
- Locomotive Wiki (internet resource)
- TRAINS Special Issue Locomotives, November 2010

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