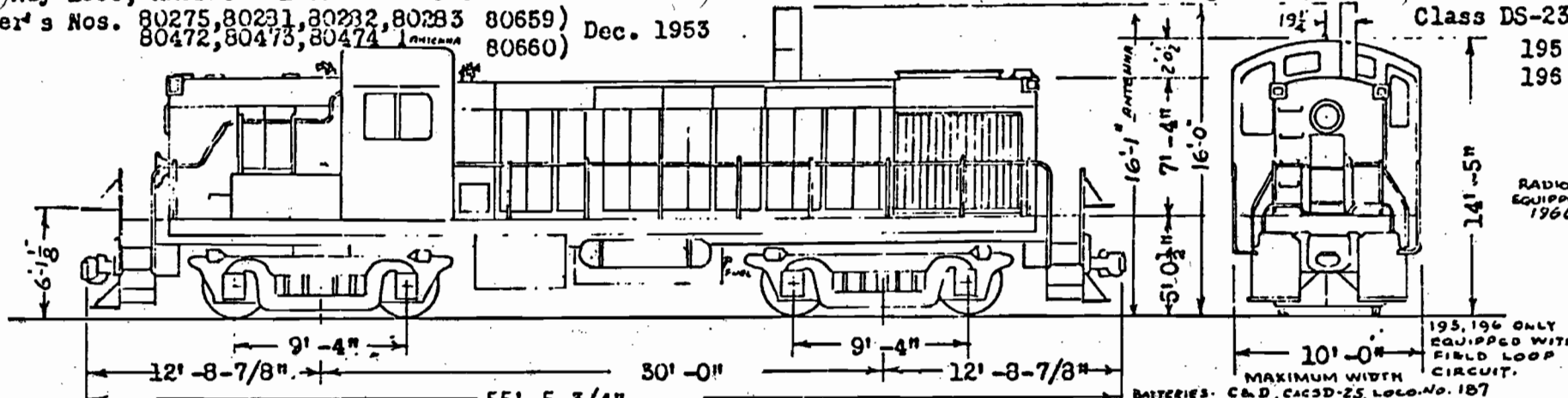


Bui May 1953, American Locomotive Co.
 Builder's Nos. 80275, 80231, 80232, 80283 80659) Dec. 1953
 80472, 80473, 80474, 80660)

Diesel Electric Road Switching Locomotive No. 195-191

Class DS-23



GENERAL DATA

- MU Connections - Front and Back

** Batteries - Gould KDZ-25E - Loco. Nos. 195, 196
 Dynamic Braking - 650 Amps. Max. 33000# @ 22 MPH

1. Weight - Working Order	250,000 lbs.	CAPACITY	
2. Horsepower	1600	28. Fuel Oil	1400 Gals. (1 Tank) Lubricating Oil 200 Gals.
3. Ratio of Gears	74-18	29. Cooling Water	250 Gallons Sand - 23 cu.ft.
4. Maximum Speed (Over Speed Setting)	65 M.P.H.	AIR BRAKE	Flat Maintaining and Emergency Brake Valve
ENGINE		30. Schedule	24 RL W.A.B.Co.
5. Type-4 Cycle, V Type, Series 244D, Turbo Superch'd. Alco		31. Brake Power @ 30 lbs. cylinder pressure	106,300 Lbs.
6. Cylinders - Bore and Stroke	12 - 9" dia. x 10 1/2"	32. Air Compressor	Westinghouse 3 CDB
7. Speed - Idling	350 R.P.M. At Rated H.P. 1000 R.P.M.	33. Air Compressor Capacity at full engine speed	306 CFM
8. Turbo Supercharger (186, 187, 188, 190-510) (185, 189, 191, 195, 196 RD3)		34. Reservoir Capacity	60,650 cu.in.
9. Governor	G.E. Type 17-M06D1 Electro-Hydraulic	35. Feed Valve - D-24-B	Relay Air Valve HA-24-C
ELECTRICAL		36. Deadman Control-Foot Pedal-Break into Protection	Wabco
10. 1 - G.E. Main Generator Type 5GT591A1 Cont. Rat. 2170 Amps		37. Handbrake	Ajax. Reservoir Drain Valves Prime
11. 1 - G.E. Aux. Generator Type 50Y-27A3 12 KW, 75 Volts DC		MISCELLANEOUS # 2 Leslie 55T - Loco. Nos. 195, 196	
12. 1 - G.E. Exciter Type 5-AH-308-A3 9KW, 100V, 2400 RPM		38. Fire Extinguishers	2 3/4" Ansul in Cab, 2 - 30-lb. Ansul
13. 4 - G.E. Tract. Motors Type 5GE-752-E1, 1095 Amps. Cont. DC		39. Sanders	8 Graham-White Windshield Wipers - Sprague
14. 1 - G.E. Radiator Fan Aphonic Type 5GDY32A1 75 Volts DC		40. Horns	2 Nathan M5 Modulated, Bell Ringer Prime
15. 1 - G.E. Fuel Pump-Type 5BC76AB-286A, 1 H.P. 75 Volts DC		41. Speed Recorder	Barco DP, 0-60 M.P.H.
16. Control Equipment-OE Type P, Overspeed with Time Delay		42. Draft Gear	Miner A-22-XL
17. Multiple Control Cable	60 Inch Length, 27 Wires	43. Couplers	A.A.R. Type "E"
18. Batteries **	32 Cells, 64 Volt, Exide MV-25-D	TRUCKS V-110 Cobra Brake Shoe	
19. Lighting Circuit	75 Volts	44. Type	4 Wheel, Swivel, Swing Motion Pedestal Type
20. Headlight - 2 Pyle-Nat. Twin-Sealed Beam 200 W, 30 V		45. Axles	6 1/2" x 12" Journals for Hyatt Roller Bearings
TRACTIVE POWER		46. Wheels	40" M.W. Rolled Steel
21. Starting at 25% Adhesion	62,500 lbs.	47. Brake Cylinders	8 - 10" dia. x 3" W.A.B.Co.
22. 10 M.P.H.	49,000 lbs.	48. Side Bearings	Plain Steel - Hardened
23. 15 M.P.H.	33,500 lbs.	LIMITING DIMENSIONS	
24. 20 M.P.H.	25,000 lbs.	49. Maximum Length Coupled	55' 5-3/4"
25. 25 M.P.H.	20,000 lbs.	50. Maximum Width	10' 0"
26. 30 M.P.H.	16,500 lbs.	51. Maximum Height	14' 5"