

ELECTRO-MOTIVE DIVISION, GENERAL MOTORS
 53-60 BUILT MARCH, 1950. BLDG'S NOS. 11100-11111
 61-62 NOV. 1950. 13157-13158
 63-64 DEC. 1950. 13554-13556

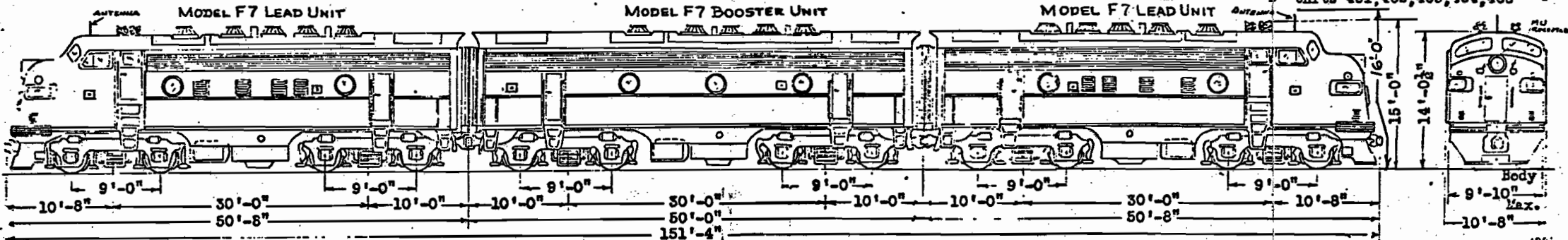
3000 and 4500 H.P. Diesel Electric Freight Locomotives

Class DF-16

"A" UNITS RADIO EQUIPPED - 1957

"A" Units 53-60, 61-66

"B" Units 401, 402, 403, 404, 405



GENERAL DATA "C" ENGINES Locom. No. 62-JUNE 1954, 54-DEC. 1956, 401-FEB. 1957, 57-SEPT. 1959, 58-APRIL 1962

- COBRA BRACE SHOCK No. 144, J-46 RELAY VALVE, BRAKE SUPPRESSED WHEEL SLIP CO.

GENERAL DATA		TRACTION POWER - One Unit			BRAKE EQUIPMENT Flat Maintaining and Emergency Brake		
1. Weight - Working Order - Per Unit	246,000 lbs.	29. Starting	61,500 lbs.	123,000 lbs.	184,500 lbs.	53. Dynamic Brake - 600 Amps. Maximum	F
2. Horse Power - Per Unit	1500	30. 10 M.P.H.	45,000 lbs.	90,000 lbs.	135,000 lbs.	54. Dynamic Braking Power	110,000 lbs. @ 14 M.P.E. 3
3. Ratio of Gears	62-15	31. 15 M.P.H.	30,000 lbs.	60,000 lbs.	90,000 lbs.	55. Air Brake Schedule	Westinghouse 2 1/2 RH
4. Maximum Speed (OVER SPEED SETTING)	65 M.P.H.	32. 20 M.P.H.	25,000 lbs.	45,000 lbs.	69,000 lbs.	56. Air Brake Power	87,000 lbs. @ 50 lbs. Cyl. Pressure
ENGINE		33. 25 M.P.H.	19,000 lbs.	38,000 lbs.	57,000 lbs.	57. Air Compressor	Gardner-Denver 750
5. Type - Two Cycle - Vee Type	No. 567B General Motors	34. 30 M.P.H.	16,000 lbs.	32,000 lbs.	48,000 lbs.	58. Air Compressor Capacity	225 C.F.L. @ 80 R.P.M.
6. Cylinders - Bore and Stroke - Per Unit	16 - 8 1/2" x 10"	35. 35 M.P.H.	14,000 lbs.	28,000 lbs.	42,000 lbs.	59. Air Reservoir Capy.	"A" 50,000 cu. in. "B" 25,000 cu. in.
7. Speed - Idling 275 R.P.M. At Rated H.P.	800 R.P.M.	36. 40 M.P.H.	12,000 lbs.	24,000 lbs.	36,000 lbs.	60. Relay Air Valve	Westinghouse HA 24-C
8. Blower (Scavenger) - Per Unit	2 E.M.D. Low Pressure	37. (Cont. 44,500 lbs. @ 12 M.P.H.)	52,400 lbs.	6 9.0 M.P.H.		61. Feed Valve	Westinghouse L-245
9. Governor	Woodward PG Electro Hydraulic	CAPACITY - Per Unit			62. Retain Valve	Westinghouse E2-4	
ELECTRICAL - Per Unit		38. Fuel Oil		1200 Gals.	63. Deadman Control-Foot Pedal-Break	two Protection	Hi-Lo
10. 1 - EMD Main Generator - Model D12, 600V, 2200 Amp. Cont. DC		39. Lubricating Oil		200 Gals.	64. Hand Brake	Fenoscok No. 1030-33	
11. 1 - EMD Aux. Generator - Model A-7159 74 Volts, 10 KW DC		40. Cooling Water - "A" Units	230 Gals.	"B" Units 215 Gals.	TRUCKS		
12. 1 - EMD Alternator - Model D14, 100 KW 165 Volts, 3 phase		41. Sand		16 cu. ft.	65. Type	E.M.D. Type Cast Steel, Heat Treated	
13. 4 - EMD Traction Motors Model D-27E, 525 Amps. Cont. DC		MISCELLANEOUS Engine Air Filters Oil Bath Air Maze			66. Axles - Heat Trt. 6 1/2" x 12" Journals for Hyatt Roller 2rgs.		
14. 4 - EMD Traction Motor Blowers 3P, 149V, 5HP, AC, 3100 RPM		42. Sanders - Prime "One Line" Duplex		8 Traps Per Unit	67. Wheels	40" Dia. Rolled Steel	
15. 1 - Dyn Brk Blower A-8101, 36" 150 V DC, 16 Horsepower, 2100 RPM		43. Whistles		2 - Nathan 25 "A" Units	68. Brake Cylinders - Per Unit	8 - 9" x 8"	
16. 1 - Fuel Pump Motor 1/4 HP, 74 Volts, DC, 1100 RPM		44. Bell Ringer		Viloco	69. Side Bearings	Plain Steel - Hardened	
17. 4 - Water Temp. Cool. Fan Motors 3P, 149V, 9 HP, 1550 RPM		45. Window Wiper		Has "Jumbo" Pneumatic	LIMITING DIMENSIONS		
18. Control Equip. - Multiple Control 64V, Electro-Pneumatic		46. End Ladders - Back of "A" Units, Both Ends "B" Units			70. Maximum Length Coupled		
19. Multiple Control Cable Length 48", 27 Wires		47. Air Filters - 16 Per Unit Body		Farr #8116216	2 - "A" Units and a "B" Unit	151'-4"	
20. Batteries 32 Cells, 64 Volt, Exide MV25D		48. Speed Recorder		Barco - 0-60 M.P.H.	2 - "A" Units	101'-4"	
21. Lighting Circuit 74 Volts		49. Fire Extinguishers		"A" Unit - 2 1/4" Ansul in Cab, 2-30" Ansul in Eng. Room	1 - "A" Unit and a "B" Unit	100'-8"	
22. Headlights - "A" Units Pyle-Nat. Twin-Sealed Beam 200W, 30V				"B" Unit - 2-30" Ansul in Engine Room	71. Maximum Width	10'-8"	
23. Back of "A" Units, F&B "B" Units, Pyle-Nat. Sing. Beam 200W, 30V					72. Maximum Height	15'-0"	
24. Headlight Switch E.M.D.					73. Maximum degree of Curvature	21 Degree	
25. Front 3-point Dimming 400W, 200V, 100-Watts		50. Uncoupling Rigging		E.M.D.	74. 14'-4" max. Rise - Front & Back "B" Units; Back of "A" Units		
26. Back-up Light Switch E.M.D.		51. Draft Gear		National Malleable M-360			