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|--|---|---|
| 1. 16-645E3B Engine  | 12. 800kW Delco Head End Power Plant w/Gear Box     | 22. Front/Rear Marker Lights                    |
| 2. AR10A9/D14 Alternator Main Generator w/Companion Alternator | 13. HEP Contractor Cabinet                          | 23. Front Sand Fill                             |
| 3. 18kW Auxiliary Generator                                    | 14. HEP Relay Cabinet                               | 24. Rear Sand Fill                              |
| 4. Equipment Blower  | 15. Battery Compartment                             | 25. Number Boards                               |
| 5. Inertial Filters, Blower & Hatch                            | 16. Air Brake Compartment                           | 26. Strobe Light                                |
| 6. Exhaust Stack & Silencer                                    | 17. Control Stand                                   | 27. Ditch Lights                                |
| 7. Dynamic Brake Grid Fan                                      | 18. "Dash Two" Electric Control Cabinet             | 28. 5-Chime Horn                                |
| 8. Cooling Fan   | 19. 1800 Gallon Fuel Tank                           | 29. Two Axle Truck Assembly (Both Front & Rear) |
| 9. Radiators   | 20. Coupler/Draft Gear Assembly (Both Front & Rear) | 30. Snow Plow                                   |
| 10. Equipment Rack   | 21. Front/Rear Head Lights                          | 31. Air Conditioner                             |

**Head End Generator** .....Delco No. 2801458  
**Available Power Output** ..... 800kW  
**Nominal Voltage (AC)** ..... 480  
**Maximum Continuous Current Rating**  
 ..... 1200 Amperes per phase  
**Frequency (at 1800 RPM)** ..... 60Hz

**Auxiliary Generator**  
**Voltage (DC)** ..... 74  
**Rating** ..... 18kW

### Curve Negotiation Capability

**41 m (135 ft.) Radius - 43° 30' Curve**  
 Represents minimum single unit curve negotiation for a truck as limited by truck to car body rotation.

**53 m (175 ft.) Radius - 33° Curve**  
 Represents minimum curve capability for two F40PH units in multiple as limited by "F" type coupler swing.

**76 m (250 ft.) Radius - 23° Curve**  
 Represents minimum curve capability of an F40PH coupled to a standard 50' box car as limited by the box car coupler swing.

**96 m (315 ft.) Radius - 18° Curve**  
 Represents minimum curve capability of an F40PH coupled to an 89' passenger car "F" type coupler swing.

**Major Dimensions**  
**Height Over Cooling Fan Guard** ..... 15' 6"  
**Width Over Hand Rails** ..... 10' 8-5/8"  
**Distance Over Coupler Pulling Faces** .... 56' 2"  
**Loaded Weight on:**  
**Rails (nominal)** ..... 262,000 lbs  
**Weight on Drivers** ..... 100%

**Supplies**  
**Lubricating Oil Capacity** ..... 243 Gal.  
**Cooling System Capacity** ..... 254 Gal.  
**Fuel Capacity** ..... 1,800 Gal.  
**Sand Capacity**  
**Hood End Sand Boxes** ..... 13.0 Cu. Ft.  
**Cab End Sand Boxes** ..... 13.0 Cu. Ft.

**Air Brake Type** ..... 26L

Gear Ratio	Top Speed* MPH	Minimum Continuous MPH
57:20	103	16.31

\*Based on rated RPM of traction motors.

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