



# SD38 specifications

<b>Builder Model</b>	<ul style="list-style-type: none"> <li>• EMD SD38</li> </ul>
<b>Nominal Dimensions</b>	<ul style="list-style-type: none"> <li>• Length Between Couplers: 65' 8"</li> <li>• Distance Between Bolster Centers: 53' 7"</li> <li>• Height - Cab Roof to Top of Rail: 15' 7.5"</li> <li>• Truck Wheel Base: 13' 7"</li> </ul>
<b>Main Components</b>	<ul style="list-style-type: none"> <li>• 16-645E Prime Mover</li> <li>• D32 Main Generator</li> <li>• 26L Airbrake</li> </ul>
<b>Drive</b>	<ul style="list-style-type: none"> <li>• Traction Motors: 6</li> <li>• Model: D77/78</li> <li>• Gear Ratio: 62:15</li> <li>• Wheel Diameter: 40"</li> </ul>
<b>Weights and Capacities</b>	<ul style="list-style-type: none"> <li>• Nominal Weight: 387,650 lbs</li> <li>• Fuel Tank Capacity: 4,000 gals</li> <li>• Sand: 40 cu ft</li> <li>• Cooling Water: 240 gals</li> <li>• Lubricating Oil: 396 gals</li> </ul>
<b>Performance</b>	<ul style="list-style-type: none"> <li>• Minimum Continuous Speed: 11 mph</li> <li>• Continuous Tractive Effort: 82,100 lbs</li> <li>• Starting Tractive Effort: 92,000 lbs</li> <li>• Maximum Locomotive Speed: 65 mph</li> </ul>
<b>Horsepower</b>	<ul style="list-style-type: none"> <li>• Engine Speed: 835 rpm</li> <li>• Tractive Horsepower: 2,000</li> </ul>
<b>Build Date</b>	<ul style="list-style-type: none"> <li>• 1970</li> </ul>
<b>Additional Equipment</b>	<ul style="list-style-type: none"> <li>• Air Conditioning</li> <li>• AESS</li> <li>• Ditch lights front and rear</li> <li>• Toilet</li> <li>• Equipment varies by locomotive</li> </ul>