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1  <html>
2  <head>
3  <script language="javascript">
4
5      function changeimage1(thePic){
6          document.getElementById(thePic).src = "merlin_sealevel.jpg";
7      }
8
9      function changeimageback1(thePic2){
10         document.getElementById(thePic2).src =
11             "https://www.spacex.com/static/images/falcon-9/desktop/Merlin.webp";
12     }
13
14     function changeimage2 (thePic3){
15         document.getElementById(thePic3).src = "merlin_vaccum.jpg";
16     }
17
18     function changeimageback2 (thePic4){
19         document.getElementById(thePic4).src =
20             "https://www.spacex.com/static/images/falcon-9/desktop/MerlinVac.webp";
21     }
22
23     function changeLink(linkVar) {
24
25         document.getElementById(linkVar).style.color = "red";
26         document.getElementById(linkVar).style.textDecoration = "none";
27     }
28
29     function changeBack(linkVar2) {
30
31         document.getElementById(linkVar2).style.color = "blue";
32         document.getElementById(linkVar2).style.textDecoration = "underline";
33     }
34 </script>
35 <meta name="viewport" content="width=device-width, initial-scale=1">
36 <title>Tech Page</title>
37 <link href="styles.css" rel="stylesheet"
38     media="all">
39 </head>
40 <body>
41     <div class="bgimg1">
42         <div class="container">
43             <div class="center">
44                 <h1>Falcon 9</h1>
45             </div>
46         </div>
47     </div>
48
49     <div class="bgimg2">
50         <br>
51         <div class="caption">
52             <h2><strong>What is Falcon 9?</strong></h2>
53             <p class="p1">
54                 Falcon 9 is a reusable, two-stage rocket designed and<br>
55                 manufactured by SpaceX for the reliable and safe transport<br> of
56                 people and payloads into Earth orbit and beyond. Falcon<br>
57                 9 is
58                 the world's first orbital class reusable rocket.<br> Reusability
59                 allows SpaceX to refly the most expensive parts<br> of the rocket,
60                 which in turn drives down the cost of space<br> access.
61             </p>
62             <br>
63             website:
64             <a href="https://www.spacex.com/vehicles/falcon-9/" id="linkOne"
65                 onmouseover="changeLink(this.id)"
66                 onmouseout="changeBack(this.id)">https://www.spacex.com/vehicles/falcon-9/</a>
67             </div>
68         </div>

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68     <div class="captionright">
69     <div class="h2">
70         <strong>Overview</strong>
71     </div>
72
73         <table style="width=100%">
74             <tr>
75                 <th>Height</th>
76                 <td>70 m / 229.6 ft</td>
77             </tr>
78             <tr>
79                 <th>Diameter</th>
80                 <td>3.7 m / 12 ft</td>
81             </tr>
82             <tr>
83                 <th>Mass</th>
84                 <td>549,054 kg / 1,207,920 lb</td>
85             </tr>
86             <tr>
87                 <th>Payload to LEO</th>
88                 <td>22,800 kg / 50,265 lb</td>
89             </tr>
90             <tr>
91                 <th>Payload to GTO</th>
92                 <td>8,300 kg / 18,300 lb</td>
93             </tr>
94             <tr>
95                 <th>Payload to Mars</th>
96                 <td>4,020 kg / 8,860 lb</td>
97             </tr>
98         </table>
99
100     </div>
101 </div>
102
103 <div class="right">
104     
109     <div class="caption">
110         <div class="hengine">
111             <strong>Engines</strong>
112             <br>
113             Merlin
114         </div>
115     </div>
116     <div class="sealevel">
117     <div class="h2">
118         Sea Level
119     </div>
120     <div class="p1">
121         <strong>Merlin is a family of rocket engines developed by SpaceX
122         for use on its Falcon 1, Falcon 9 and Falcon Heavy launch vehicles.
123         Merlin engines use a rocket grade kerosene (RP-1) and liquid oxygen
124         as rocket propellants in a gas-generator power cycle. The Merlin
125         engine was originally designed for recovery and reuse.</strong>
126     </div>
127     <table style="width = 25%">
128         <tr>
129             <th>Propellant</th>
130             <td>LOX / RP-1</td>
131         </tr>
132         <tr>
133             <th>Thrust</th>
134             <td>845 kN / 190,000 lbf</td>
135         </tr>
136     </table>
137 </div>

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134         </div>
135
136     <div class="left">
137         >
142         <div class="vaccum">
143             <div class="h2">
144                 Vaccum
145             </div>
146             <div class="p3">
147                 Merlin Vacuum features a larger exhaust section and a
148                 significantly larger expansion nozzle to maximize the engine's
149                 efficiency in the vacuum of space. Its combustion chamber is
150                 regeneratively cooled, while the expansion nozzle is
151                 radiatively cooled. At full power, the Merlin Vacuum engine
152                 operates with the greatest efficiency ever for an American-made
153                 hydrocarbon rocket engine.
154             </div>
155             <table style="width = 25%">
156                 <tr>
157                     <th>Propellant</th>
158                     <td>LOX / RP-1</td>
159                 </tr>
160                 <tr>
161                     <th>Thrust</th>
162                     <td>981 kN / 220,500 lbf</td>
163                 </tr>
164             </table>
165         </div>
166     </div>
167 </body>
168 </html>

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