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F12-152-MF-IV-D-000-0000-P0

F12-152



Pump & Motor Division Europe

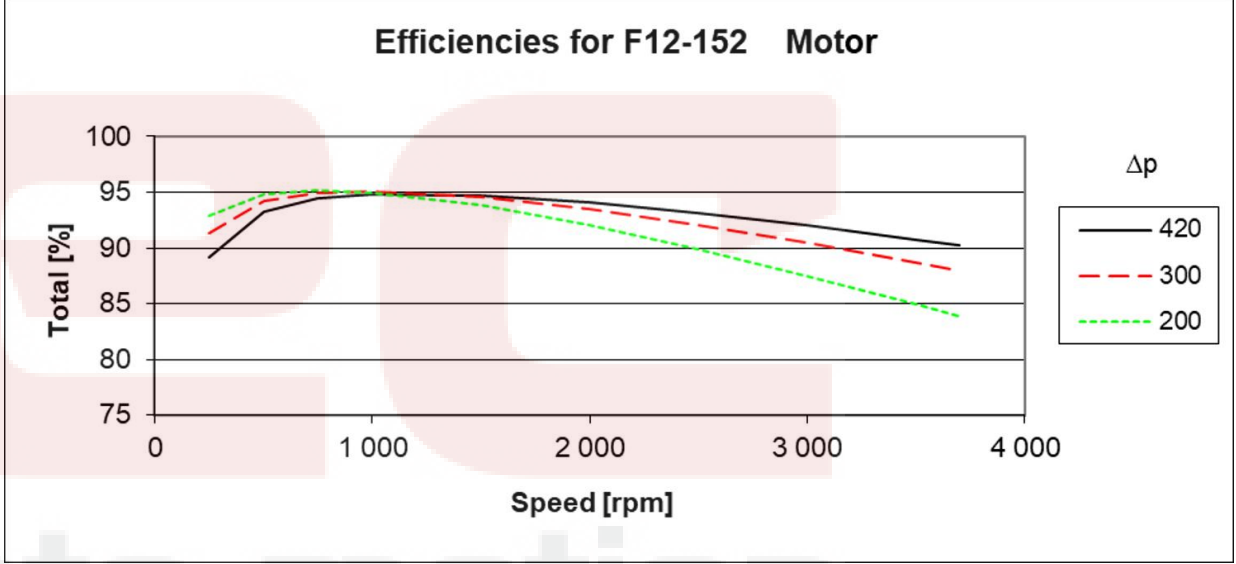
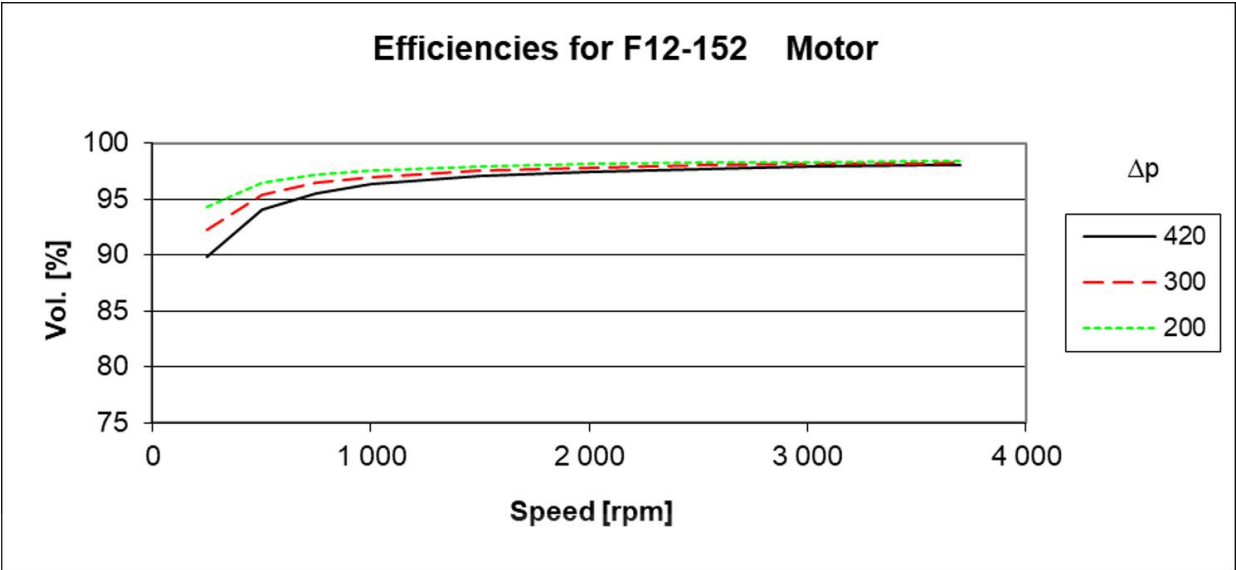
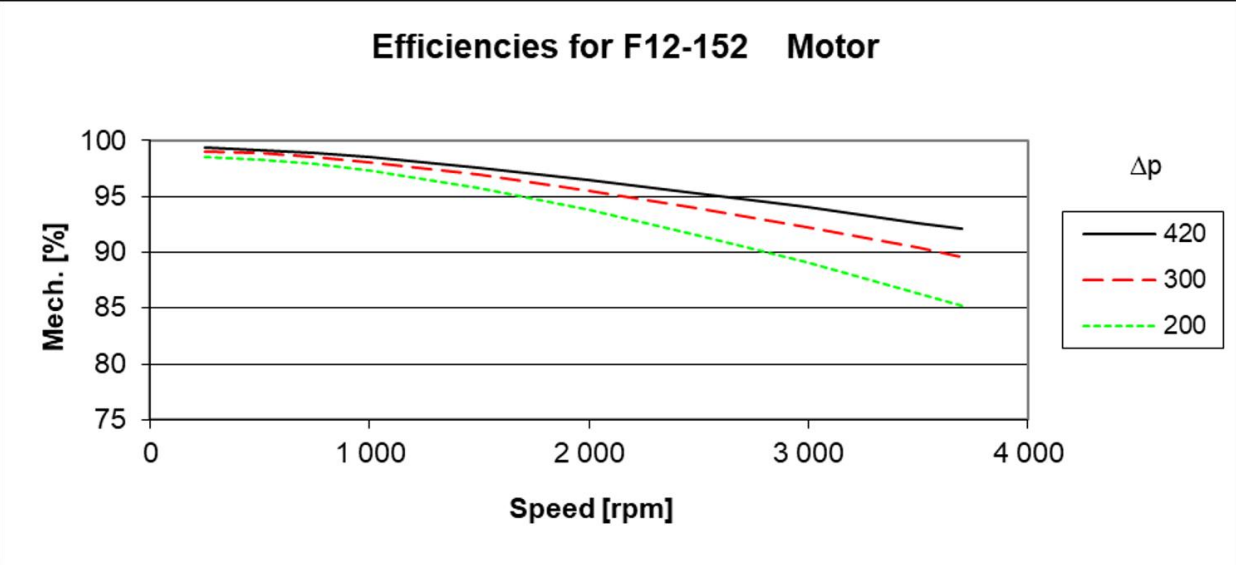


F11 Motor



F12 Motor

|              |              |              |
|--------------|--------------|--------------|
| F12-152      | Motor        |              |
| Displacement | 149.8 cc/rev |              |
| Max speed    | 4000 rpm     | Intermittent |
| Max speed    | 3700 rpm     | Continuously |
| Max pressure | 480 bar      | Intermittent |
| Max pressure | 420 bar      | Continuously |
| Max Torque   | 1134.8 Nm    |              |
| Torque       | 2.378 Nm/bar |              |
| Max Flow     | 601.2 Lpm    |              |
| Max Power    | 403.3 kW     |              |



| Rpm | 250   |        |      | 500   |        |      | 750   |        |      | 1000  |        |       | 1500  |        |       | 2000  |        |       | 2500  |        |       | 3000  |        |       | 3500   |        |       | 3700   |        |       |
|-----|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-------|-------|--------|-------|-------|--------|-------|-------|--------|-------|-------|--------|-------|--------|--------|-------|--------|--------|-------|
| Bar | l/min | Nm     | kW   | l/min | Nm     | kW   | l/min | Nm     | kW   | l/min | Nm     | kW    | l/min | Nm     | kW    | l/min | Nm     | kW    | l/min | Nm     | kW    | l/min | Nm     | kW    | l/min  | Nm     | kW    | l/min  | Nm     | kW    |
| 50  | 40.1  | 111.2  | 2.8  | 80.0  | 111.3  | 5.7  | 120.8 | 110.2  | 8.5  | 163.3 | 108.2  | 11.2  | 256.9 | 101.9  | 15.8  | 367.5 | 93.4   | 19.3  | 503.8 | 83.3   | 21.5  | 678.9 | 72.0   | 22.4  | 1093.4 | 59.8   | 21.7  | 1381.8 | 54.7   | 21.0  |
| 100 | 38.7  | 230.2  | 5.8  | 77.4  | 230.0  | 11.8 | 116.6 | 228.7  | 17.6 | 156.6 | 226.4  | 23.3  | 240.7 | 219.8  | 34.0  | 331.9 | 211.0  | 43.6  | 432.7 | 200.6  | 51.9  | 545.3 | 189.1  | 58.7  | 716.8  | 176.7  | 64.0  | 801.2  | 171.6  | 65.7  |
| 150 | 38.3  | 349.2  | 8.7  | 76.6  | 348.7  | 17.8 | 115.2 | 347.2  | 26.7 | 154.5 | 344.7  | 35.4  | 235.7 | 337.7  | 52.2  | 321.6 | 328.5  | 67.8  | 413.2 | 317.9  | 82.1  | 511.8 | 306.2  | 94.9  | 643.0  | 293.7  | 106.3 | 702.8  | 288.5  | 110.3 |
| 200 | 38.0  | 468.2  | 11.6 | 76.2  | 467.5  | 23.7 | 114.6 | 465.7  | 35.6 | 153.5 | 463.0  | 47.4  | 233.3 | 455.6  | 70.3  | 316.6 | 446.1  | 91.9  | 404.1 | 435.3  | 112.2 | 496.5 | 423.3  | 131.1 | 611.5  | 410.6  | 148.4 | 662.1  | 405.3  | 154.9 |
| 250 | 37.9  | 587.3  | 14.4 | 75.9  | 586.2  | 29.5 | 114.2 | 584.1  | 44.5 | 152.9 | 581.2  | 59.4  | 231.9 | 573.4  | 88.3  | 313.7 | 563.7  | 116.0 | 398.8 | 552.6  | 142.3 | 487.8 | 540.4  | 167.2 | 594.1  | 527.5  | 190.6 | 639.9  | 522.2  | 199.5 |
| 300 | 37.8  | 706.3  | 17.1 | 75.8  | 705.0  | 35.3 | 113.9 | 702.6  | 53.4 | 152.5 | 699.5  | 71.2  | 231.0 | 691.3  | 106.2 | 311.8 | 681.3  | 140.0 | 395.4 | 669.9  | 172.3 | 482.1 | 657.6  | 203.2 | 583.0  | 644.5  | 232.6 | 625.9  | 639.1  | 243.9 |
| 350 | 37.8  | 825.3  | 19.8 | 75.6  | 823.7  | 41.0 | 113.8 | 821.1  | 62.1 | 152.2 | 817.7  | 83.0  | 230.3 | 809.2  | 124.1 | 310.5 | 798.9  | 163.9 | 393.0 | 787.3  | 202.3 | 478.2 | 774.7  | 239.2 | 575.3  | 761.4  | 274.6 | 616.3  | 756.0  | 288.3 |
| 400 | 37.7  | 944.4  | 22.4 | 75.6  | 942.4  | 46.6 | 113.6 | 939.6  | 70.8 | 152.0 | 936.0  | 94.8  | 229.8 | 927.1  | 141.9 | 309.5 | 916.5  | 187.7 | 391.2 | 904.6  | 232.2 | 475.2 | 891.8  | 275.1 | 569.7  | 878.4  | 316.5 | 609.2  | 872.9  | 332.6 |
| 480 | 37.7  | 1134.8 | 26.4 | 75.5  | 1132.4 | 55.5 | 113.5 | 1129.2 | 84.6 | 151.7 | 1125.2 | 113.4 | 229.2 | 1115.7 | 170.2 | 308.3 | 1104.6 | 225.7 | 389.1 | 1092.3 | 279.8 | 471.9 | 1079.2 | 332.4 | 563.3  | 1065.5 | 383.3 | 601.2  | 1059.9 | 403.3 |

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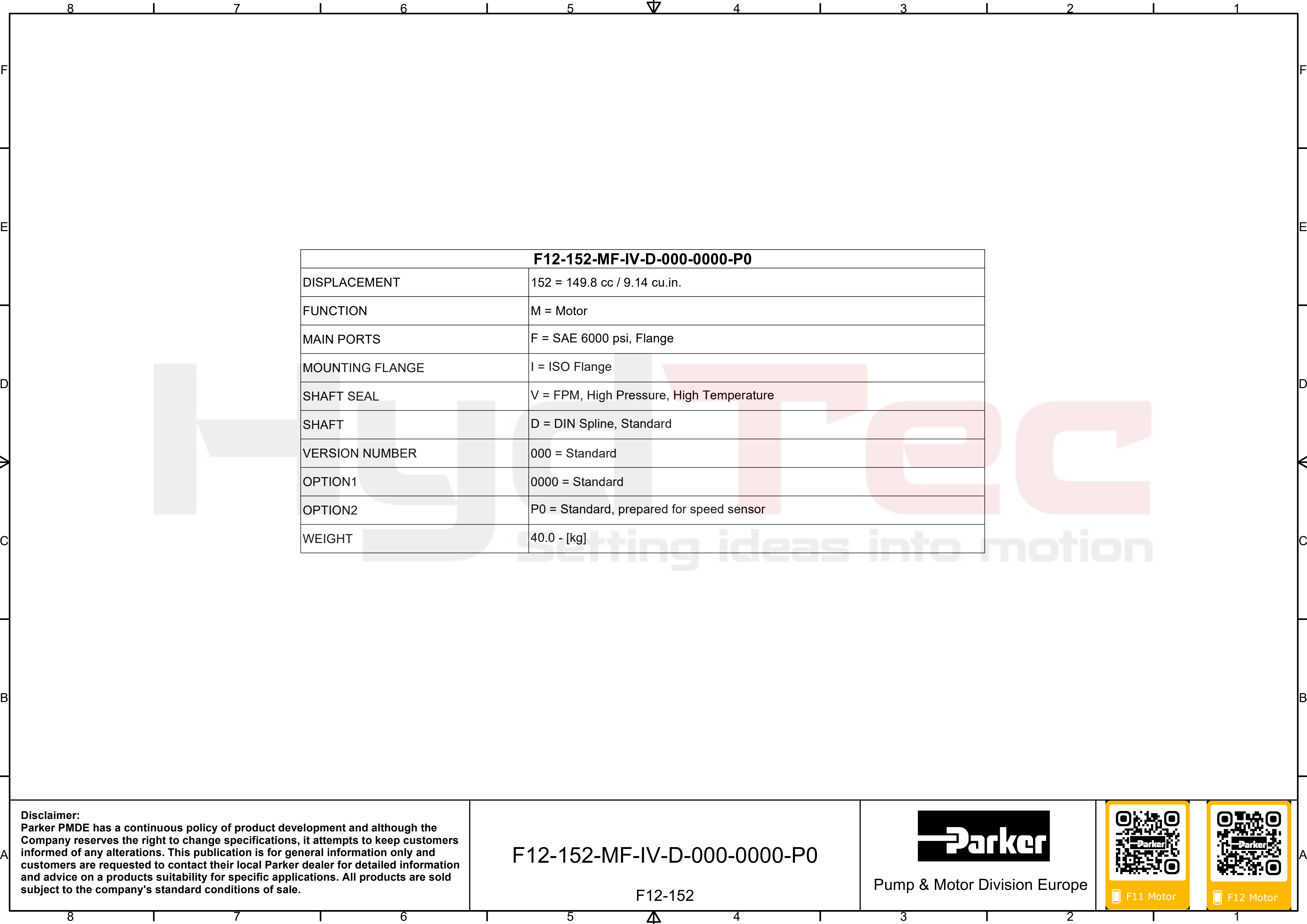
Pump & Motor Division Europe



F11 Motor



F12 Motor



| F12-152-MF-IV-D-000-0000-P0 |  |
|-----------------------------|--|
| DISPLACEMENT                | 152 = 149.8 cc / 9.14 cu.in.             |
| FUNCTION                    | M = Motor                                |
| MAIN PORTS                  | F = SAE 6000 psi, Flange                 |
| MOUNTING FLANGE             | I = ISO Flange                           |
| SHAFT SEAL                  | V = FPM, High Pressure, High Temperature |
| SHAFT                       | D = DIN Spline, Standard                 |
| VERSION NUMBER              | 000 = Standard                           |
| OPTION1                     | 0000 = Standard                          |
| OPTION2                     | P0 = Standard, prepared for speed sensor |
| WEIGHT                      | 40.0 - [kg]                              |

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