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F12-162-MF-IV-D-000-0000-P0

F12-162



Pump & Motor Division Europe

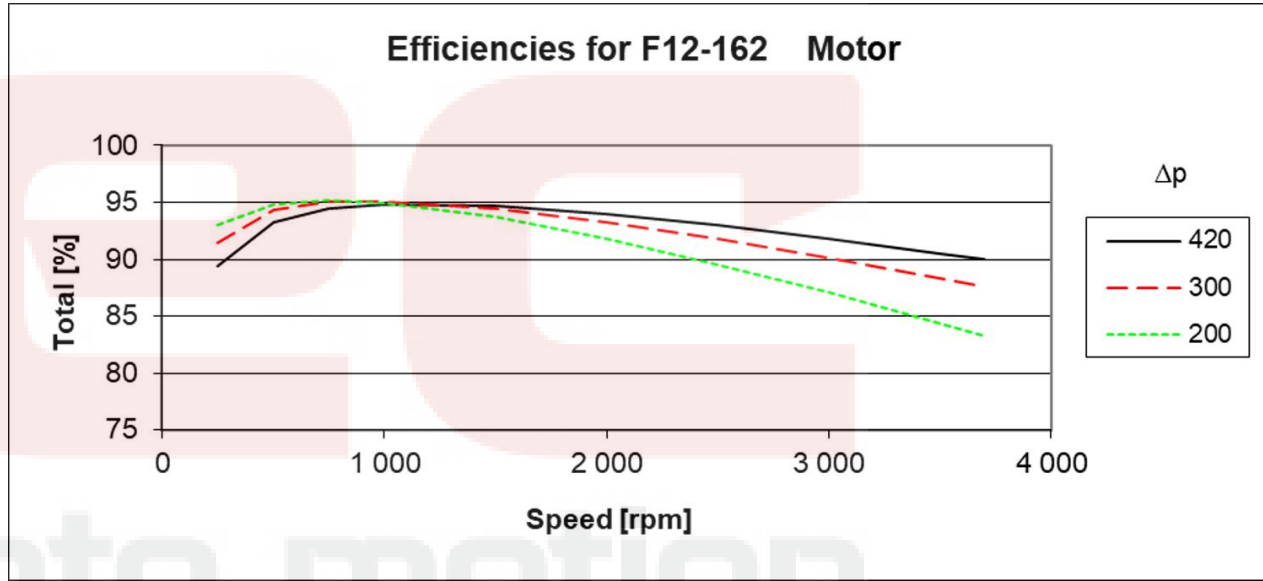
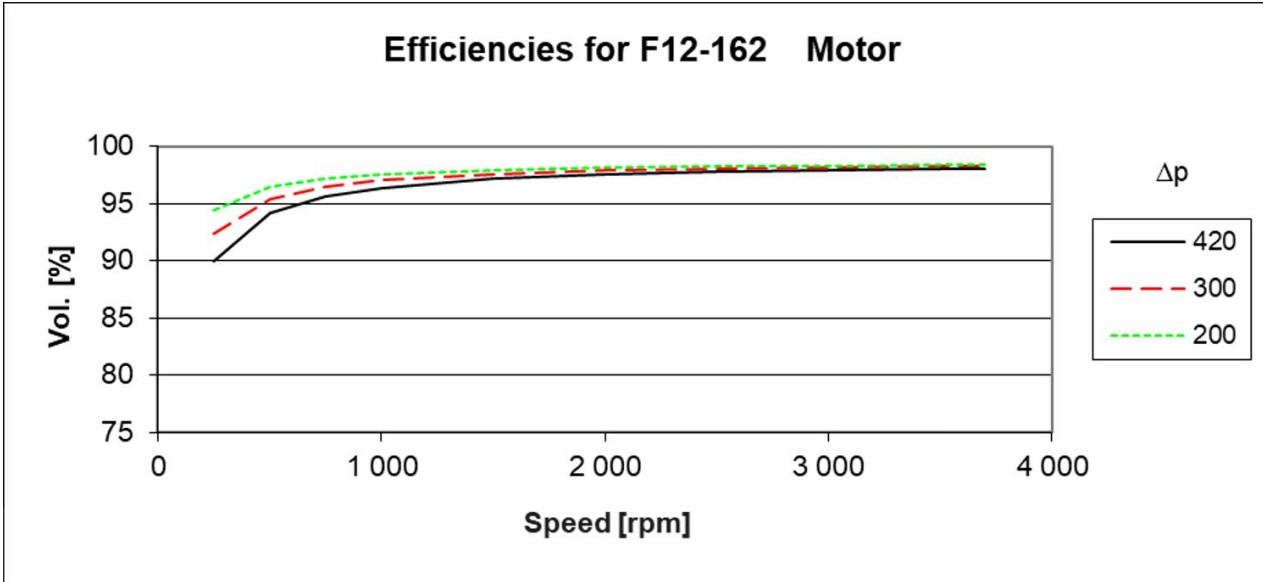
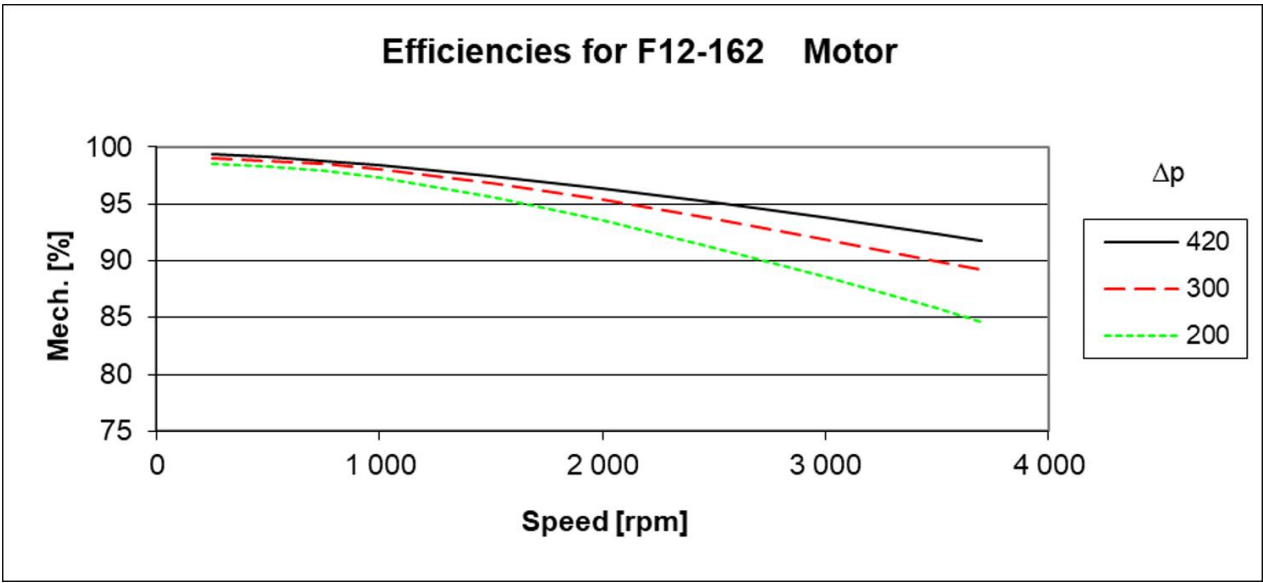


F11 Motor



F12 Motor

| | | |
|--------------|--------------|--------------|
| F12-162 | Motor | |
| Displacement | 163.1 cc/rev | |
| Max speed | 4000 rpm | Intermittent |
| Max speed | 3700 rpm | Continuously |
| Max pressure | 480 bar | Intermittent |
| Max pressure | 420 bar | Continuously |
| Max Torque | 1235.5 Nm | |
| Torque | 2.589 Nm/bar | |
| Max Flow | 654.6 Lpm | |
| Max Power | 437.9 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 | 43.6 | 121.0 | 3.1 | 87.1 | 121.1 | 6.2 | 131.5 | 119.8 | 9.3 | 177.8 | 117.5 | 12.1 | 279.7 | 110.2 | 17.1 | 400.1 | 100.5 | 20.8 | 548.6 | 89.0 | 23.0 | 739.1 | 76.1 | 23.6 | 1190.5 | 62.3 | 22.6 | 1504.4 | 56.6 | 21.7 |
| 100 | 42.1 | 250.6 | 6.4 | 84.3 | 250.4 | 12.8 | 126.9 | 248.8 | 19.2 | 170.5 | 246.2 | 25.4 | 262.1 | 238.5 | 36.9 | 361.4 | 228.5 | 47.2 | 471.1 | 216.7 | 56.0 | 593.8 | 203.6 | 63.2 | 780.5 | 189.6 | 68.7 | 872.4 | 183.8 | 70.4 |
| 150 | 41.6 | 380.2 | 9.5 | 83.4 | 379.6 | 19.3 | 125.5 | 377.8 | 29.0 | 168.2 | 374.9 | 38.5 | 256.7 | 366.9 | 56.7 | 350.1 | 356.5 | 73.6 | 449.9 | 344.4 | 88.9 | 557.2 | 331.1 | 102.6 | 700.1 | 316.9 | 114.7 | 765.2 | 311.0 | 119.0 |
| 200 | 41.4 | 509.8 | 12.6 | 82.9 | 508.9 | 25.8 | 124.8 | 506.8 | 38.8 | 167.1 | 503.7 | 51.6 | 254.1 | 495.2 | 76.4 | 344.7 | 484.4 | 99.8 | 440.0 | 472.1 | 121.8 | 540.6 | 458.6 | 142.0 | 665.8 | 444.2 | 160.6 | 720.9 | 438.2 | 167.5 |
| 250 | 41.3 | 639.4 | 15.7 | 82.7 | 638.2 | 32.2 | 124.3 | 635.8 | 48.5 | 166.5 | 632.4 | 64.6 | 252.5 | 623.5 | 96.0 | 341.6 | 612.4 | 126.0 | 434.3 | 599.8 | 154.5 | 531.1 | 586.1 | 181.3 | 646.8 | 571.5 | 206.4 | 696.7 | 565.5 | 216.0 |
| 300 | 41.2 | 769.0 | 18.6 | 82.5 | 767.4 | 38.4 | 124.1 | 764.7 | 58.1 | 166.0 | 761.1 | 77.6 | 251.5 | 751.8 | 115.6 | 339.5 | 740.4 | 152.2 | 430.5 | 727.5 | 187.2 | 524.9 | 713.5 | 220.6 | 634.7 | 698.8 | 252.2 | 681.5 | 692.7 | 264.4 |
| 350 | 41.1 | 898.6 | 21.6 | 82.4 | 896.7 | 44.7 | 123.9 | 893.7 | 67.7 | 165.7 | 889.9 | 90.4 | 250.8 | 880.1 | 135.0 | 338.0 | 868.4 | 178.2 | 427.9 | 855.2 | 219.8 | 520.6 | 841.0 | 259.7 | 626.4 | 826.1 | 297.9 | 671.0 | 819.9 | 312.7 |
| 400 | 41.1 | 1028.2 | 24.4 | 82.3 | 1026.0 | 50.8 | 123.7 | 1022.7 | 77.1 | 165.5 | 1018.6 | 103.2 | 250.2 | 1008.5 | 154.4 | 336.9 | 996.4 | 204.2 | 425.9 | 983.0 | 252.3 | 517.4 | 968.5 | 298.8 | 620.3 | 953.3 | 343.5 | 663.3 | 947.1 | 360.9 |
| 480 | 41.0 | 1235.5 | 28.8 | 82.2 | 1232.8 | 60.5 | 123.5 | 1229.1 | 92.1 | 165.2 | 1224.6 | 123.5 | 249.6 | 1213.8 | 185.3 | 335.7 | 1201.2 | 245.6 | 423.7 | 1187.3 | 304.2 | 513.8 | 1172.5 | 361.2 | 613.3 | 1157.0 | 416.4 | 654.6 | 1150.7 | 437.9 |

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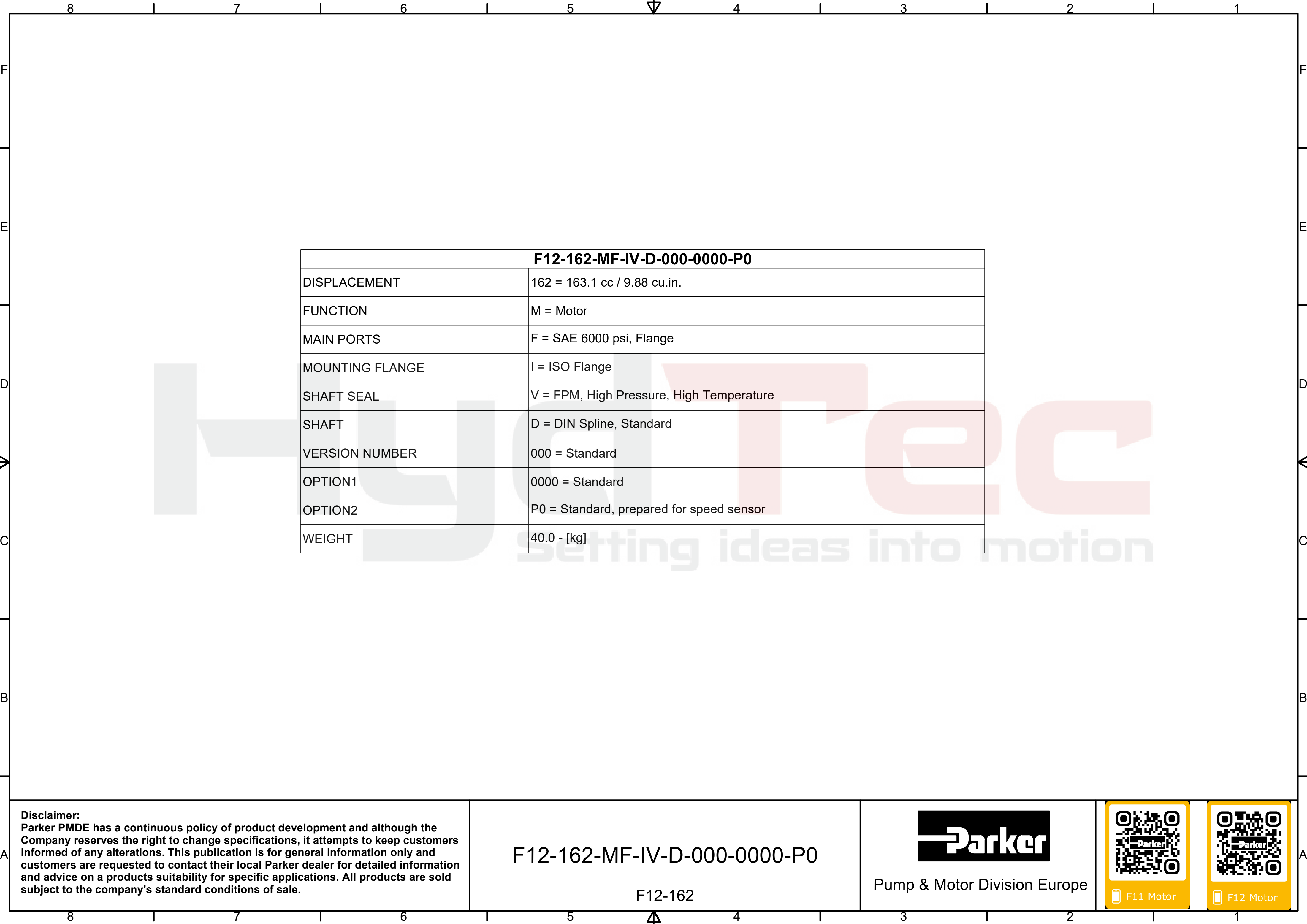
Pump & Motor Division Europe



F11 Motor



F12 Motor



| F12-162-MF-IV-D-000-0000-P0 | |
|-----------------------------|--|
| DISPLACEMENT | 162 = 163.1 cc / 9.88 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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