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F12-182-SF-IV-D-000-0000-P0

F12-182



Pump & Motor Division Europe

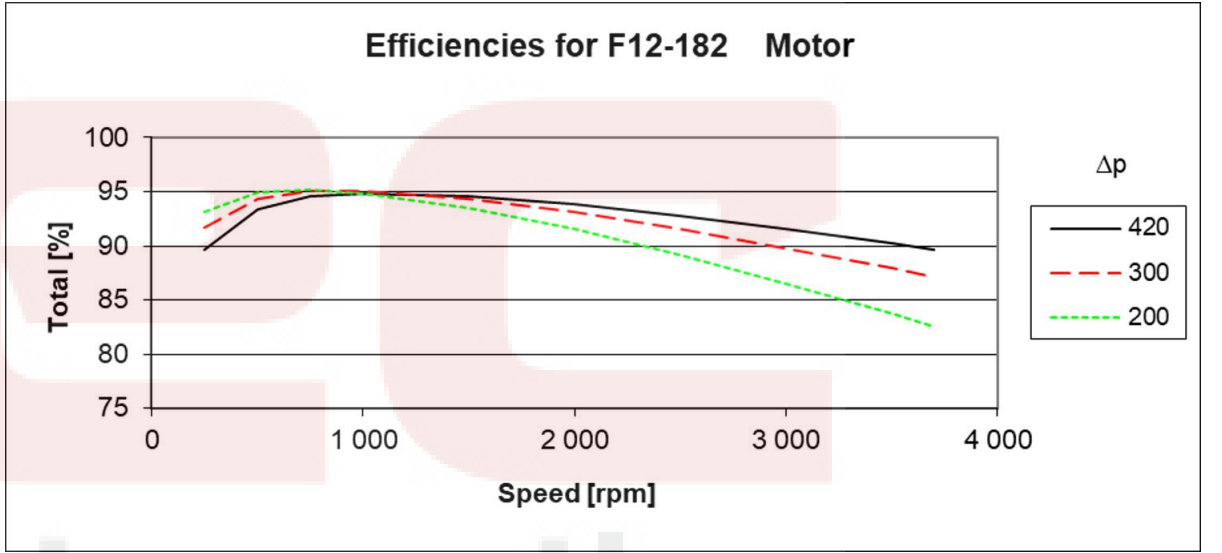
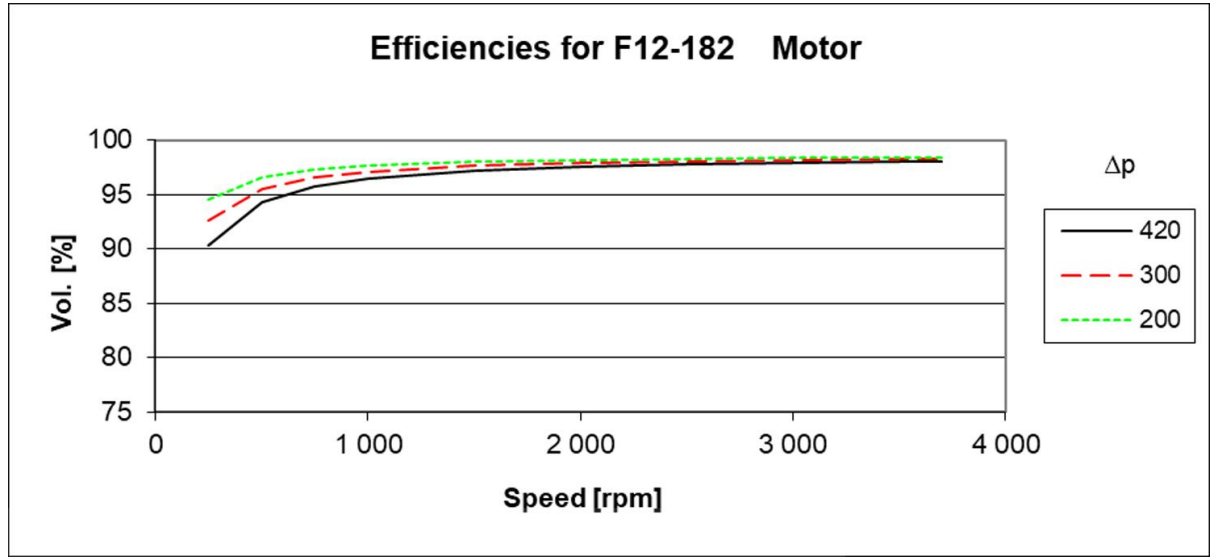
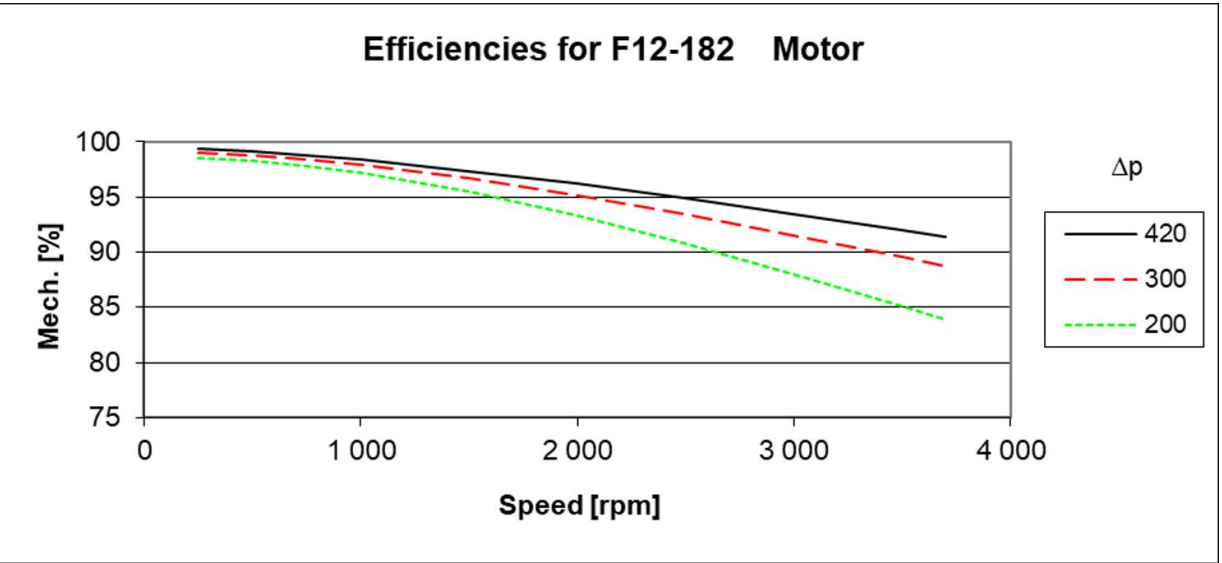


F11 Motor



F12 Motor

|              |              |              |
|--------------|--------------|--------------|
| F12-182      | Motor        |              |
| Displacement | 179.8 cc/rev |              |
| Max speed    | 4000 rpm     | Intermittent |
| Max speed    | 3700 rpm     | Continuously |
| Max pressure | 480 bar      | Intermittent |
| Max pressure | 420 bar      | Continuously |
| Max Torque   | 1361.9 Nm    |              |
| Torque       | 2.854 Nm/bar |              |
| Max Flow     | 721.7 Lpm    |              |
| Max Power    | 481.3 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  | 48.1  | 133.5  | 3.4  | 96.0  | 133.5  | 6.9  | 144.9 | 131.9  | 10.2  | 196.0 | 129.1  | 13.3  | 308.3 | 120.6  | 18.7  | 441.1 | 109.2  | 22.6  | 604.7 | 95.8   | 24.8  | 814.8 | 81.0   | 25.2  | 1312.4 | 65.1   | 23.6  | 1658.5 | 58.5   | 22.4  |
| 100 | 46.4  | 276.3  | 7.0  | 92.9  | 275.9  | 14.1 | 139.9 | 274.1  | 21.1  | 188.0 | 271.0  | 27.9  | 288.9 | 262.0  | 40.6  | 398.4 | 250.2  | 51.7  | 519.3 | 236.6  | 61.2  | 654.6 | 221.5  | 68.7  | 860.4  | 205.3  | 74.4  | 961.7  | 198.7  | 76.1  |
| 150 | 45.9  | 419.2  | 10.5 | 91.9  | 418.4  | 21.3 | 138.3 | 416.2  | 32.0  | 185.2 | 412.8  | 42.4  | 282.9 | 403.4  | 62.4  | 386.0 | 391.3  | 80.8  | 495.9 | 377.3  | 97.4  | 614.3 | 362.0  | 112.2 | 771.8  | 345.6  | 125.1 | 843.5  | 338.9  | 129.6 |
| 200 | 45.7  | 562.0  | 13.9 | 91.4  | 560.9  | 28.4 | 137.5 | 558.4  | 42.8  | 184.2 | 554.7  | 56.9  | 280.1 | 544.8  | 84.1  | 380.0 | 532.3  | 109.7 | 485.0 | 518.1  | 133.6 | 596.0 | 502.5  | 155.6 | 734.0  | 485.9  | 175.7 | 794.7  | 479.1  | 183.1 |
| 250 | 45.5  | 704.8  | 17.3 | 91.1  | 703.4  | 35.5 | 137.1 | 700.5  | 53.5  | 183.5 | 696.7  | 71.2  | 278.4 | 686.2  | 105.7 | 376.5 | 673.4  | 138.6 | 478.7 | 658.8  | 169.7 | 585.5 | 642.9  | 199.0 | 713.0  | 626.2  | 226.2 | 768.1  | 619.3  | 236.6 |
| 300 | 45.4  | 847.7  | 20.6 | 90.9  | 845.8  | 42.4 | 136.8 | 842.7  | 64.1  | 183.0 | 838.5  | 85.5  | 277.2 | 827.7  | 127.3 | 374.3 | 814.4  | 167.4 | 474.6 | 799.5  | 205.8 | 578.7 | 783.4  | 242.2 | 699.7  | 766.5  | 276.7 | 751.3  | 759.5  | 289.9 |
| 350 | 45.3  | 990.5  | 23.8 | 90.8  | 988.3  | 49.3 | 136.5 | 984.9  | 74.6  | 182.7 | 980.4  | 99.7  | 276.4 | 969.1  | 148.7 | 372.6 | 955.5  | 196.1 | 471.7 | 940.3  | 241.7 | 573.9 | 923.9  | 285.4 | 690.5  | 906.7  | 327.1 | 739.7  | 899.7  | 343.2 |
| 400 | 45.3  | 1133.4 | 27.0 | 90.7  | 1130.8 | 56.1 | 136.4 | 1127.0 | 85.1  | 182.4 | 1122.3 | 113.8 | 275.9 | 1110.5 | 170.1 | 371.4 | 1096.5 | 224.8 | 469.5 | 1081.0 | 277.6 | 570.4 | 1064.4 | 328.5 | 683.8  | 1047.0 | 377.4 | 731.3  | 1039.9 | 396.3 |
| 480 | 45.2  | 1361.9 | 31.9 | 90.6  | 1358.8 | 66.8 | 136.2 | 1354.5 | 101.6 | 182.1 | 1349.3 | 136.2 | 275.2 | 1336.8 | 204.1 | 370.1 | 1322.2 | 270.4 | 467.1 | 1306.2 | 334.8 | 566.4 | 1289.2 | 397.3 | 676.1  | 1271.5 | 457.7 | 721.7  | 1264.2 | 481.3 |

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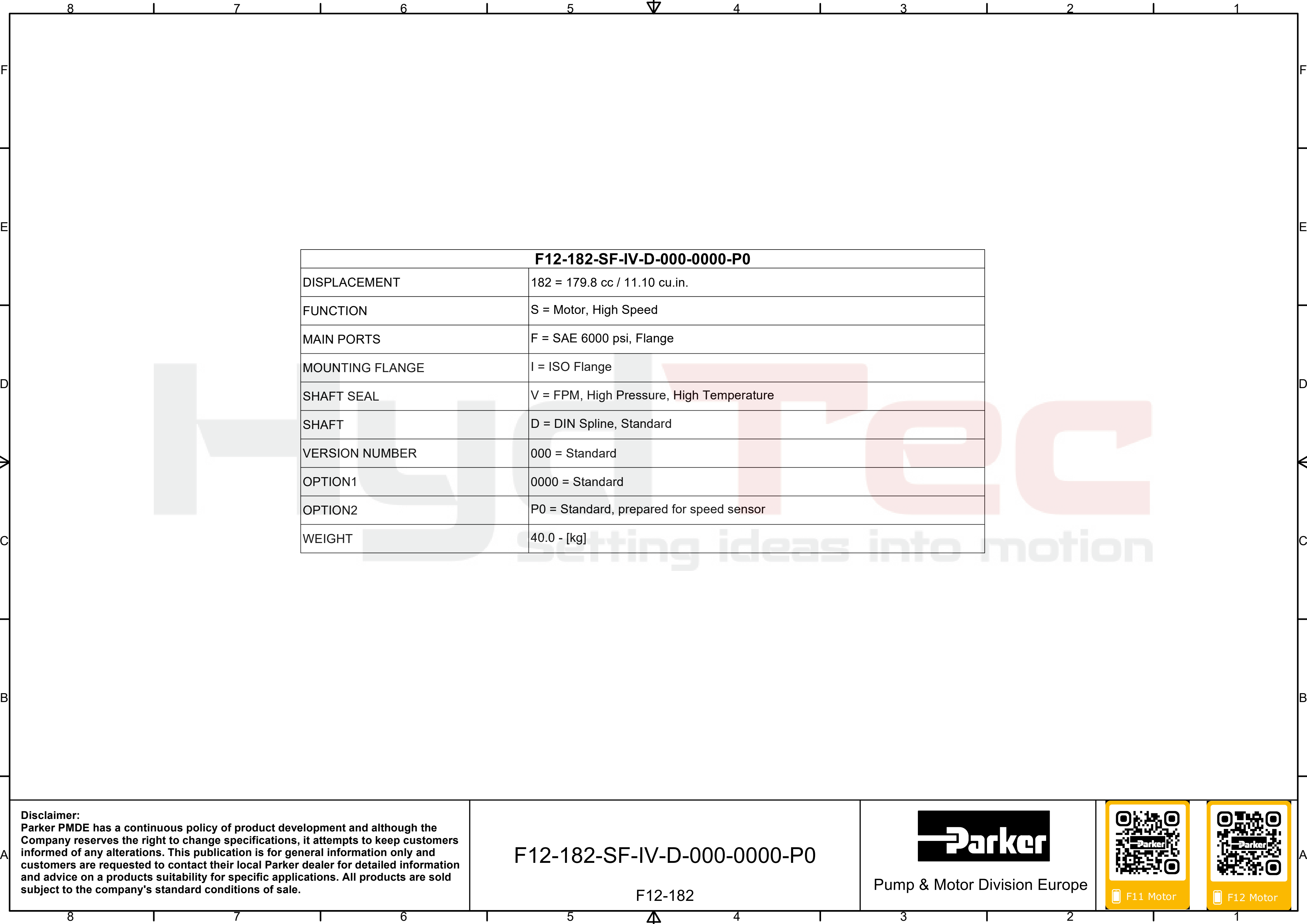
Pump & Motor Division Europe



F11 Motor



F12 Motor



| F12-182-SF-IV-D-000-0000-P0 |  |
|-----------------------------|--|
| DISPLACEMENT                | 182 = 179.8 cc / 11.10 cu.in.            |
| FUNCTION                    | S = Motor, High Speed                    |
| 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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