

1 1/16"-12 O-ring boss
 SAE J514
 Inspection/
 drain port

Main port A
 1 1/4" ISO 6162

Main port B
 1 1/4" ISO 6162

8X UN 1/2"-13X25

Speed sensor port
 M12x1

1 1/16"-12 O-ring boss
 SAE J514 (third drain port)

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F12-110-MS-SV-S-000-0000-PT

F12-110



Pump & Motor Division Europe

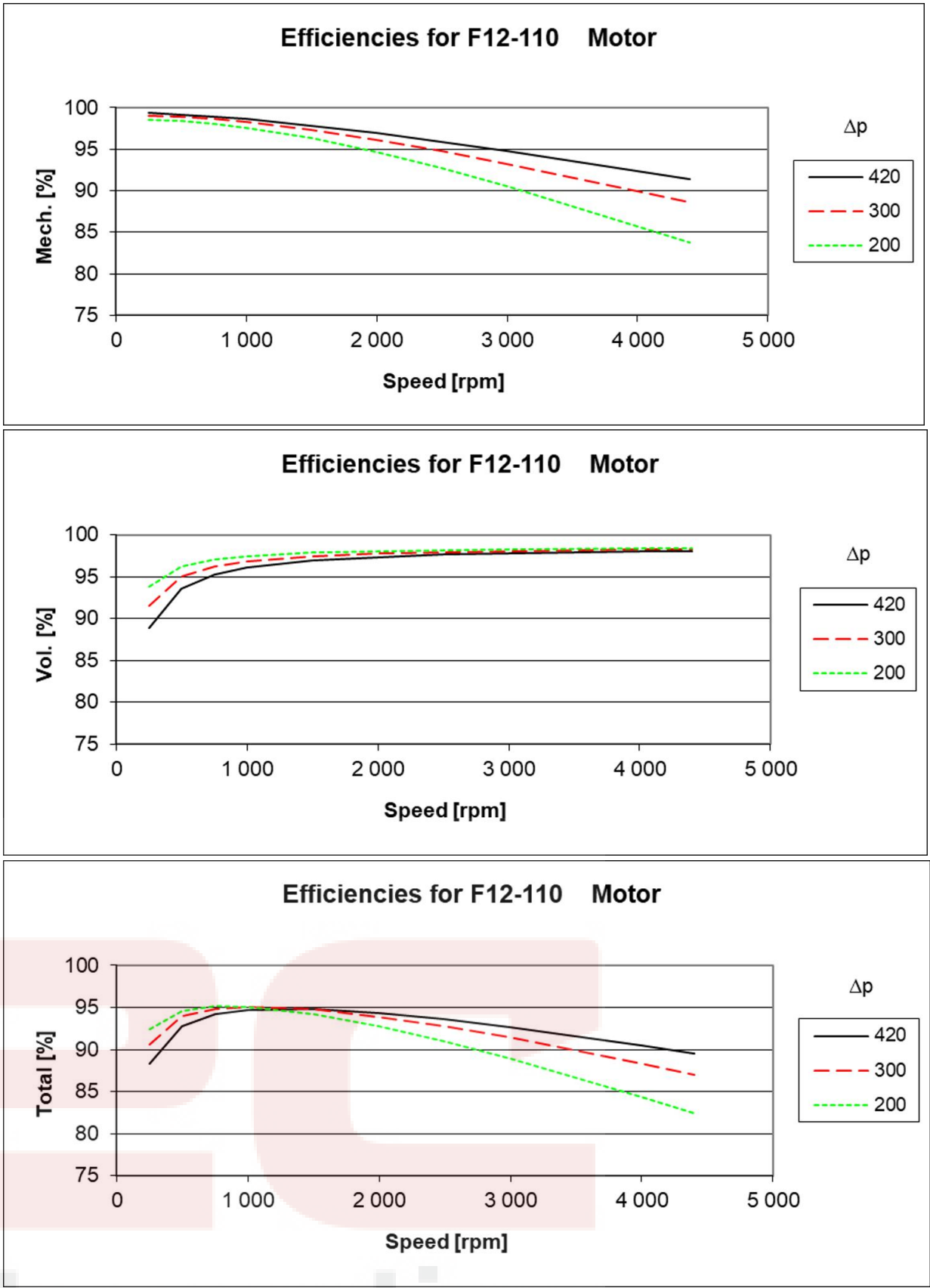


F11 Motor



F12 Motor

| | | |
|--------------|--------------|--------------|
| F12-110 | Motor | |
| Displacement | 80.4 cc/rev | |
| Max speed | 5300 rpm | Intermittent |
| Max speed | 4800 rpm | Continuously |
| Max pressure | 480 bar | Intermittent |
| Max pressure | 420 bar | Continuously |
| Max Torque | 609.2 Nm | |
| Torque | 1.276 Nm/bar | |
| Max Flow | 393.9 Lpm | |
| Max Power | 279.4 kW | |



| Rpm | 250 | | | 500 | | | 750 | | | 1000 | | | 1500 | | | 2000 | | | 2500 | | | 3000 | | | 4000 | | | 4400 | | |
|-----|-------|-------|------|-------|-------|------|-------|-------|------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| 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 | 29.5 | 81.6 | 2.1 | 58.8 | 81.8 | 4.2 | 88.7 | 81.3 | 6.3 | 120.0 | 80.2 | 8.3 | 188.8 | 76.4 | 11.9 | 270.1 | 71.2 | 14.7 | 370.3 | 65.0 | 16.8 | 499.0 | 57.8 | 18.0 | 918.5 | 41.9 | 17.4 | 1207.7 | 35.1 | 16.0 |
| 100 | 28.4 | 169.1 | 4.3 | 56.9 | 169.1 | 8.7 | 85.7 | 168.4 | 13.0 | 115.1 | 167.1 | 17.2 | 176.9 | 163.2 | 25.3 | 244.0 | 157.7 | 32.6 | 318.0 | 151.3 | 39.1 | 400.8 | 144.0 | 44.7 | 602.1 | 127.8 | 52.9 | 700.3 | 120.9 | 55.0 |
| 150 | 28.1 | 256.6 | 6.4 | 56.3 | 256.5 | 13.0 | 84.7 | 255.6 | 19.6 | 113.6 | 254.1 | 26.1 | 173.3 | 249.9 | 38.6 | 236.3 | 244.2 | 50.4 | 303.7 | 237.6 | 61.3 | 376.2 | 230.2 | 71.3 | 540.1 | 213.7 | 88.4 | 614.3 | 206.7 | 94.1 |
| 200 | 28.0 | 344.2 | 8.5 | 56.0 | 343.8 | 17.4 | 84.2 | 342.7 | 26.2 | 112.8 | 341.1 | 34.9 | 171.5 | 336.6 | 51.9 | 232.7 | 330.7 | 68.1 | 297.0 | 323.9 | 83.5 | 364.9 | 316.4 | 97.9 | 513.7 | 299.7 | 123.8 | 578.7 | 292.6 | 133.0 |
| 250 | 27.9 | 431.7 | 10.5 | 55.8 | 431.1 | 21.6 | 83.9 | 429.8 | 32.7 | 112.4 | 428.1 | 43.7 | 170.5 | 423.3 | 65.1 | 230.6 | 417.2 | 85.8 | 293.1 | 410.2 | 105.6 | 358.5 | 402.5 | 124.5 | 499.0 | 385.6 | 159.2 | 559.3 | 378.4 | 171.9 |
| 300 | 27.8 | 519.2 | 12.5 | 55.7 | 518.4 | 25.9 | 83.7 | 517.0 | 39.2 | 112.1 | 515.1 | 52.4 | 169.8 | 510.0 | 78.3 | 229.2 | 503.7 | 103.4 | 290.6 | 496.6 | 127.7 | 354.4 | 488.7 | 150.9 | 489.7 | 471.5 | 194.5 | 547.1 | 464.3 | 210.8 |
| 350 | 27.8 | 606.7 | 14.4 | 55.6 | 605.7 | 30.0 | 83.6 | 604.1 | 45.6 | 111.9 | 602.0 | 61.0 | 169.3 | 596.7 | 91.4 | 228.2 | 590.2 | 121.0 | 288.8 | 582.9 | 149.6 | 351.4 | 574.9 | 177.4 | 483.2 | 557.4 | 229.8 | 538.6 | 550.1 | 249.5 |
| 400 | 27.7 | 694.2 | 16.3 | 55.5 | 693.0 | 34.1 | 83.5 | 691.3 | 51.9 | 111.7 | 689.0 | 69.6 | 168.9 | 683.5 | 104.4 | 227.5 | 676.7 | 138.5 | 287.5 | 669.2 | 171.6 | 349.3 | 661.0 | 203.7 | 478.5 | 643.4 | 265.0 | 532.5 | 636.0 | 288.3 |
| 480 | 27.7 | 834.2 | 19.2 | 55.5 | 832.7 | 40.6 | 83.4 | 830.7 | 62.0 | 111.5 | 828.2 | 83.2 | 168.5 | 822.2 | 125.2 | 226.6 | 815.2 | 166.3 | 286.0 | 807.3 | 206.6 | 346.8 | 798.9 | 245.8 | 473.1 | 780.8 | 321.1 | 525.5 | 773.3 | 350.1 |

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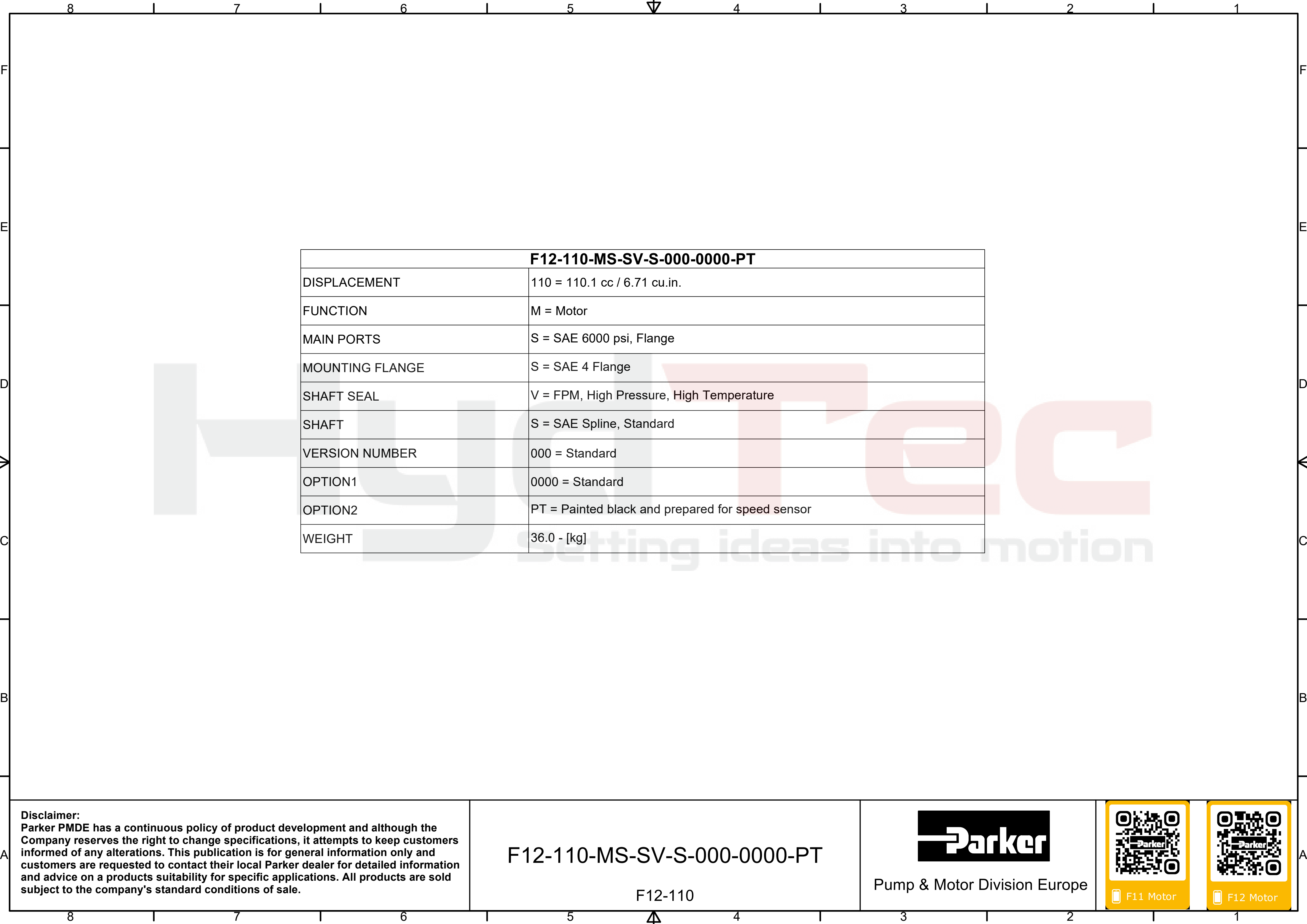
Pump & Motor Division Europe



F11 Motor



F12 Motor



| F12-110-MS-SV-S-000-0000-PT | |
|-----------------------------|--|
| DISPLACEMENT | 110 = 110.1 cc / 6.71 cu.in. |
| FUNCTION | M = Motor |
| MAIN PORTS | S = SAE 6000 psi, Flange |
| MOUNTING FLANGE | S = SAE 4 Flange |
| SHAFT SEAL | V = FPM, High Pressure, High Temperature |
| SHAFT | S = SAE Spline, Standard |
| VERSION NUMBER | 000 = Standard |
| OPTION1 | 0000 = Standard |
| OPTION2 | PT = Painted black and prepared for speed sensor |
| WEIGHT | 36.0 - [kg] |

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