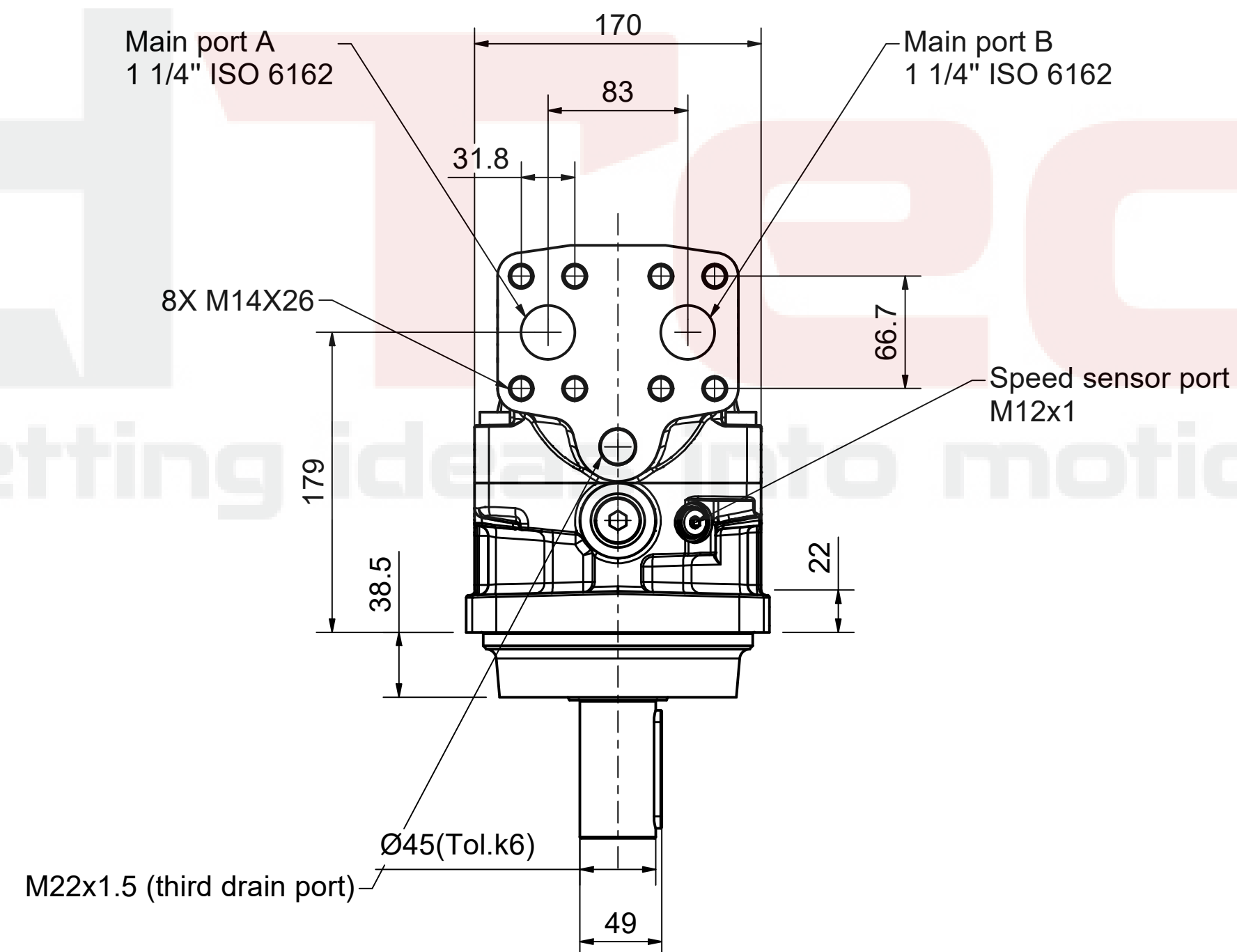
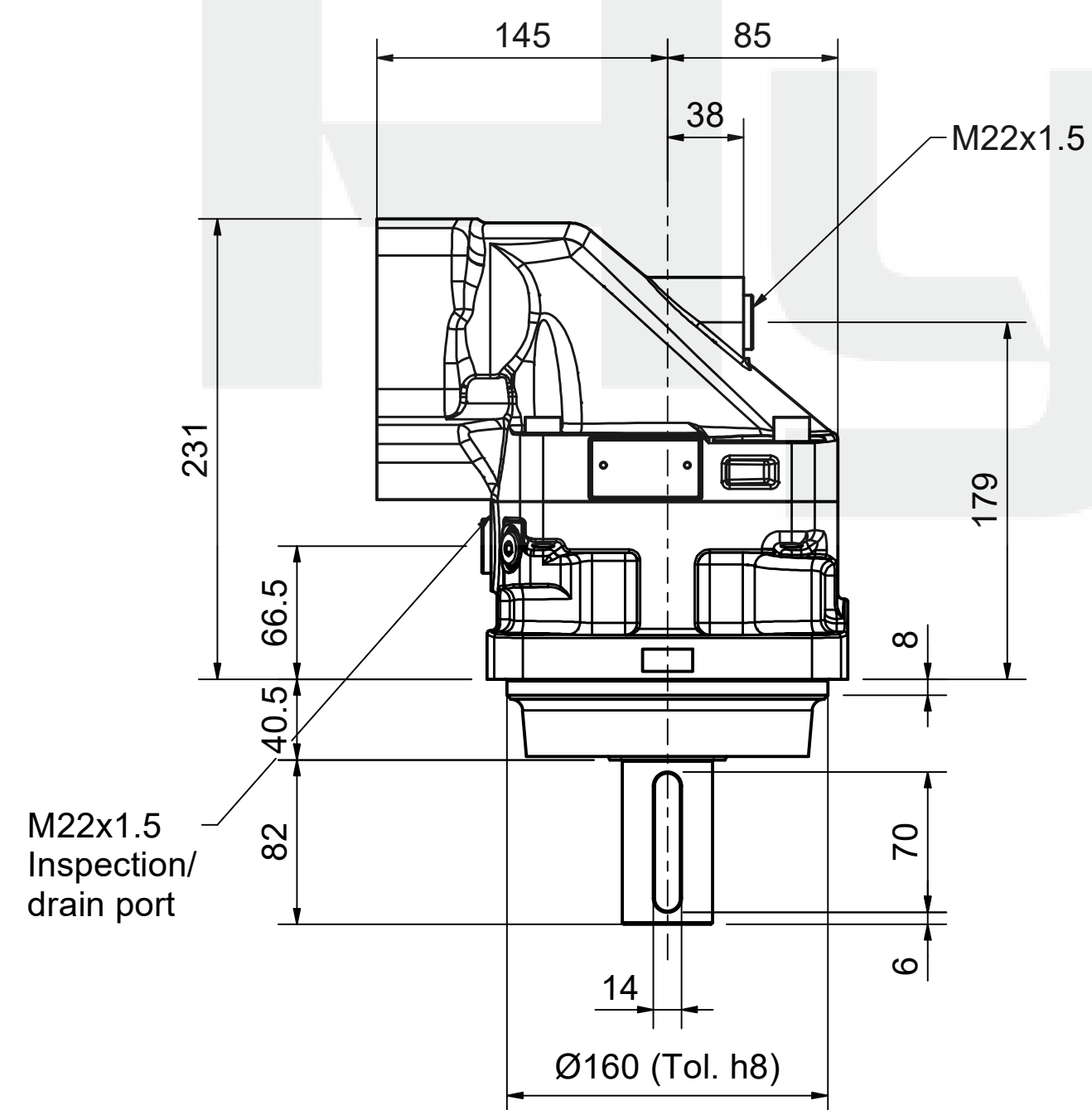
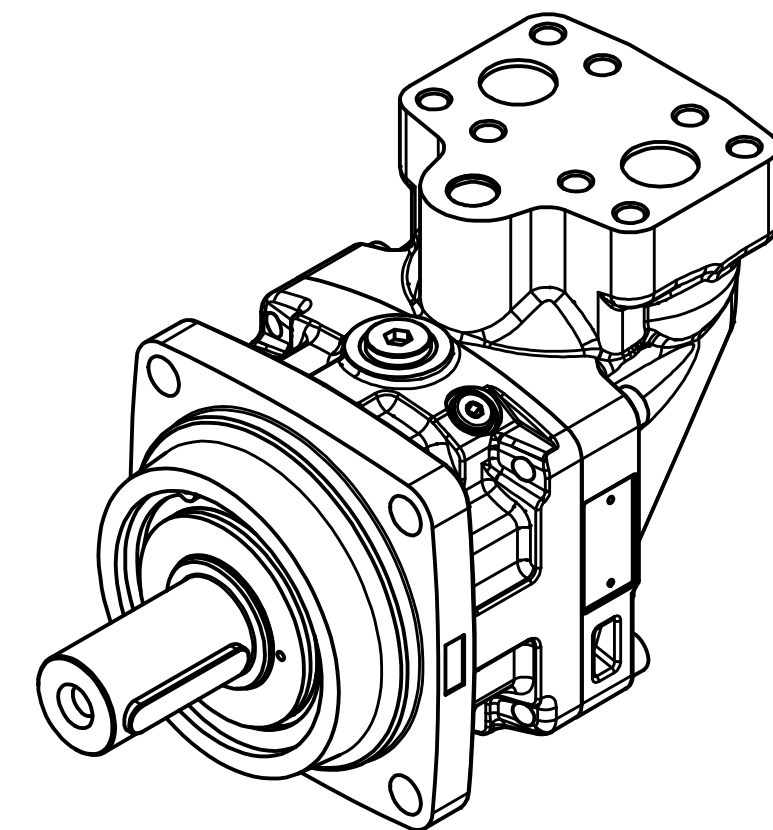
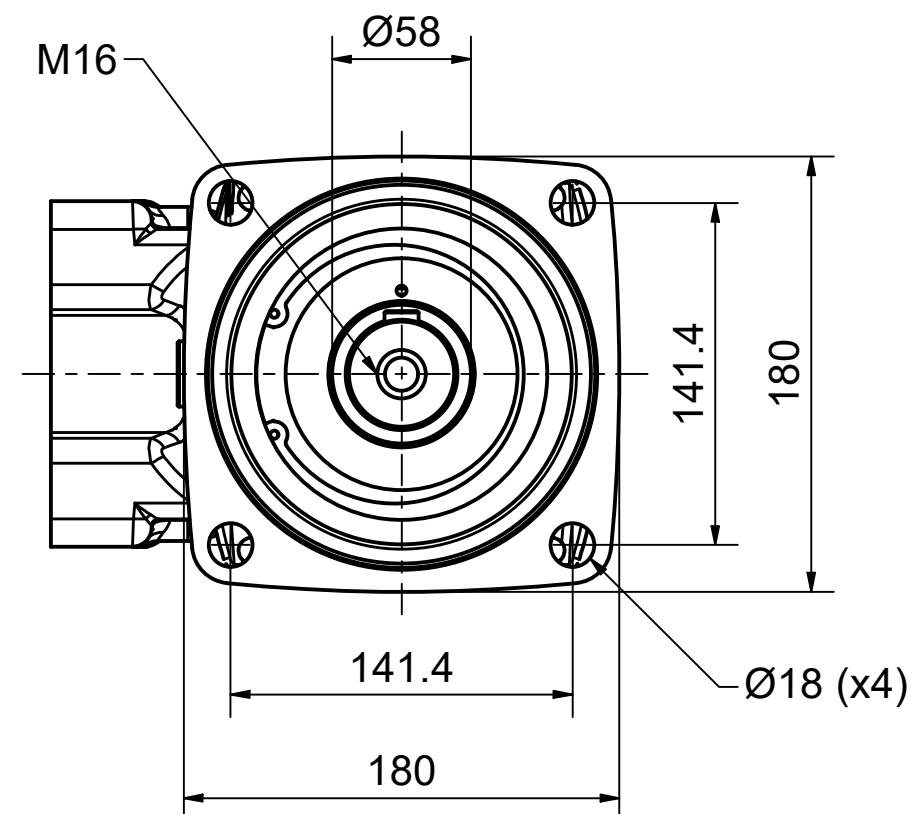




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F12-110-MF-IV-K-000-0000-P0

F12-110



Pump & Motor Division Europe



F11 Motor



F12 Motor

F

E

D

C

B

A

|              |              |              |
|--------------|--------------|--------------|
| 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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F12-110



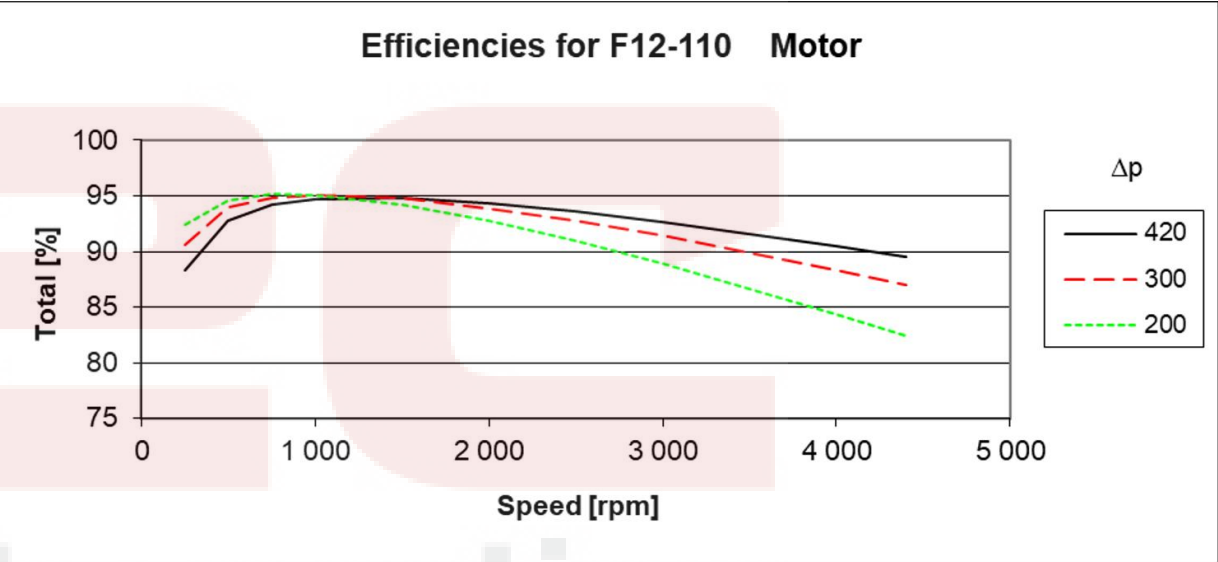
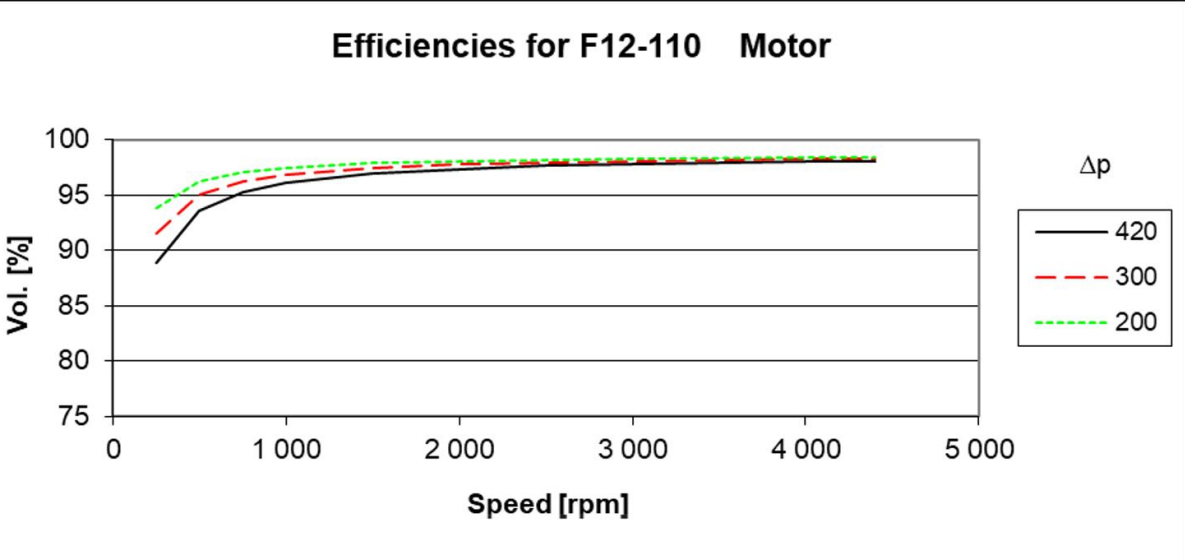
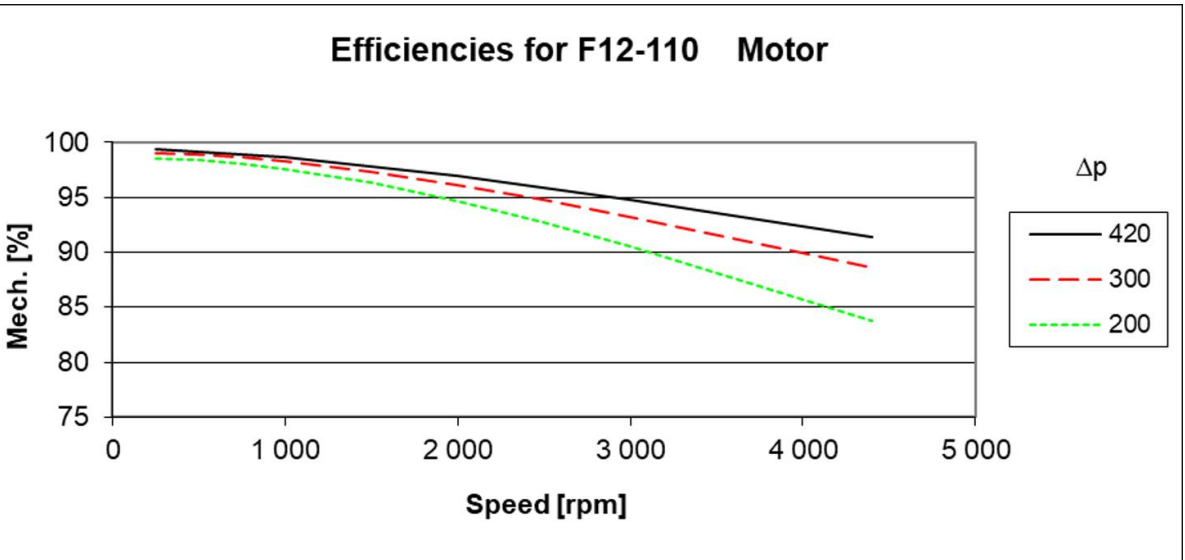
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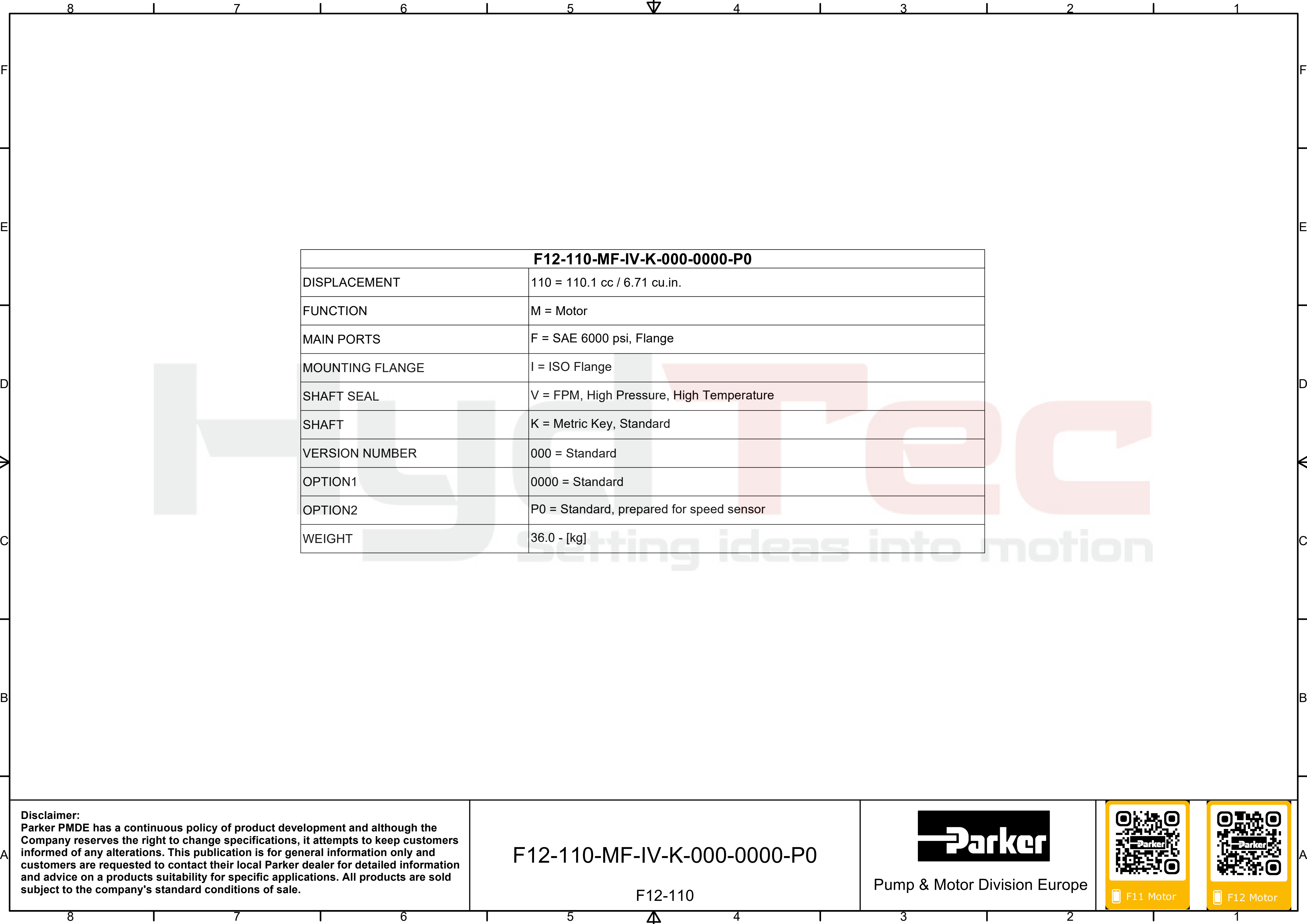


F11 Motor



F12 Motor





| F12-110-MF-IV-K-000-0000-P0 |                                          |
|-----------------------------|------------------------------------------|
| DISPLACEMENT                | 110 = 110.1 cc / 6.71 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                       | K = Metric Key, Standard                 |
| VERSION NUMBER              | 000 = Standard                           |
| OPTION1                     | 0000 = Standard                          |
| OPTION2                     | P0 = Standard, prepared for speed sensor |
| WEIGHT                      | 36.0 - [kg]                              |

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F12-110



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F11 Motor



F12 Motor