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F11-012-SB-IV-K-000-0000-P0

F11-012



Pump & Motor Division Europe

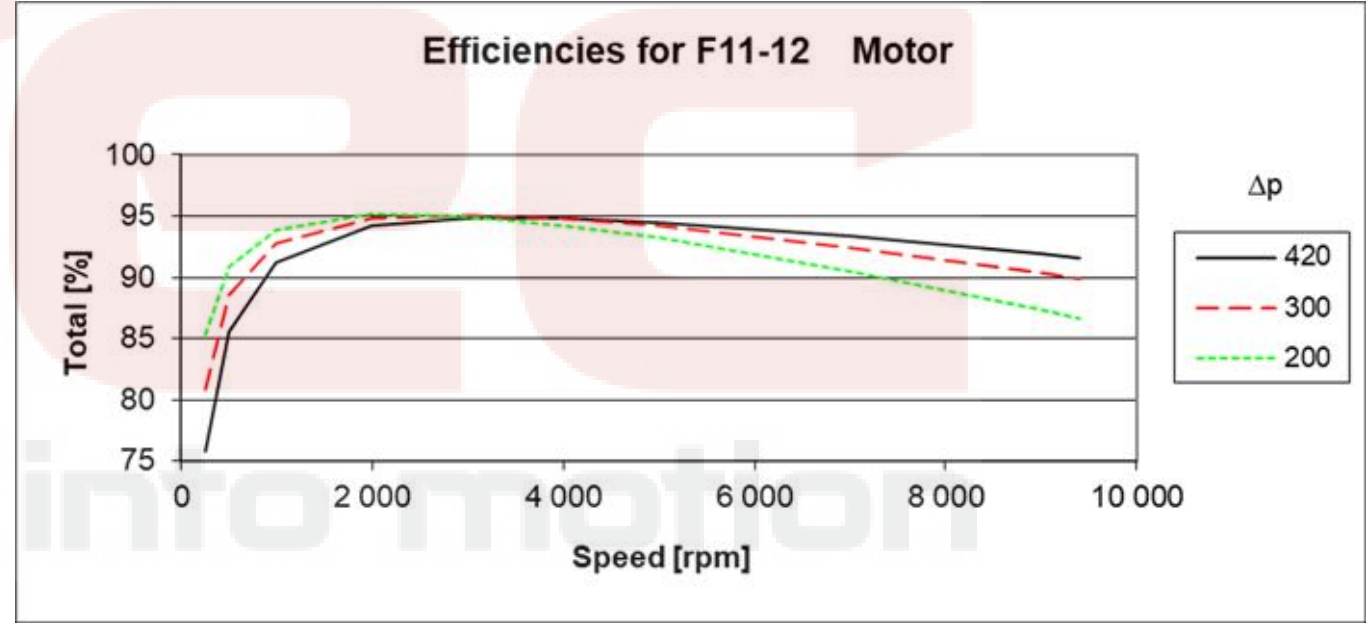
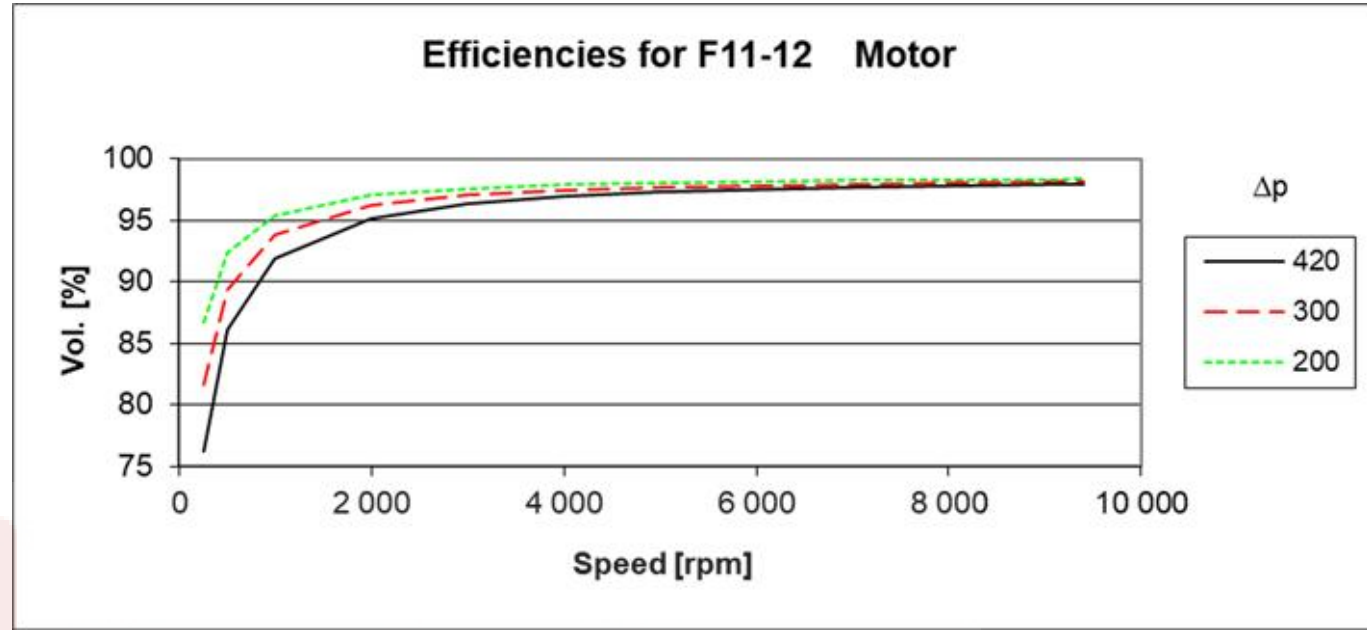
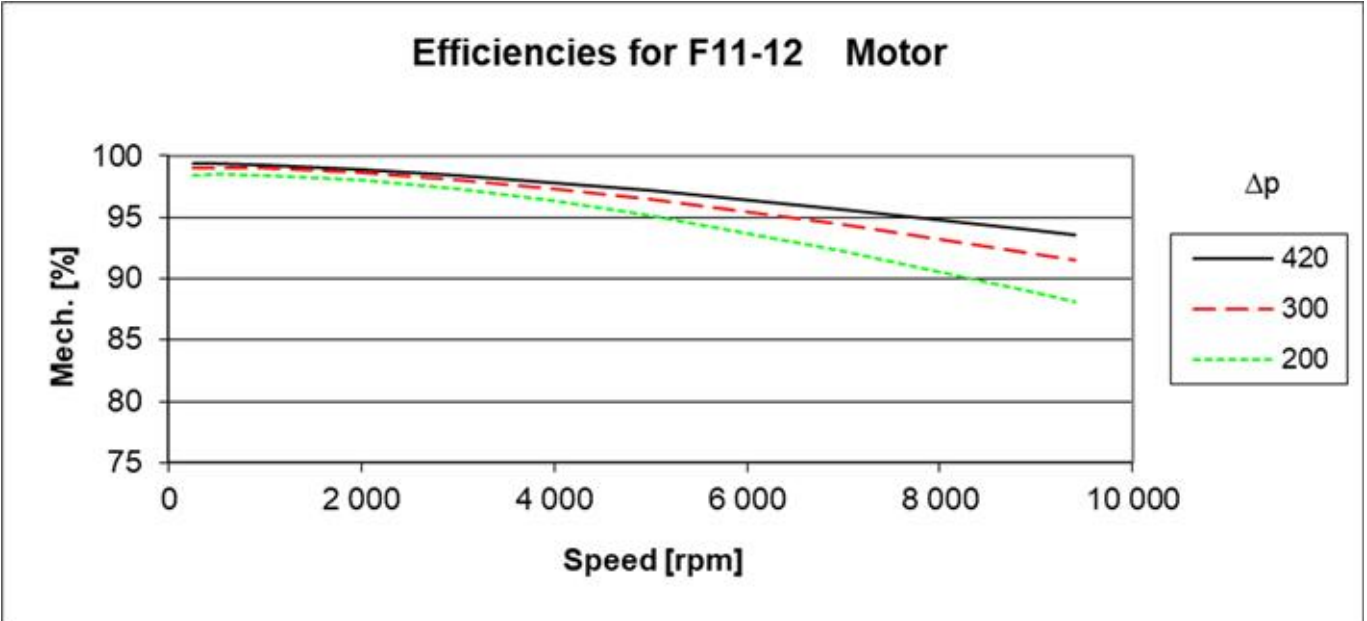


F11 Motor



F12 Motor

|              |              |              |
|--------------|--------------|--------------|
| F11-12       | Motor        |              |
| Displacement | 12.5 cc/rev  |              |
| Max speed    | 10300 rpm    | Intermittent |
| Max speed    | 9400 rpm     | Continuously |
| Max pressure | 420 bar      | Intermittent |
| Max pressure | 350 bar      | Continuously |
| Max Torque   | 82.8 Nm      |              |
| Torque       | 0.198 Nm/bar |              |
| Max Flow     | 120.0 Lpm    |              |
| Max Power    | 75.3 kW      |              |



| Rpm | 250   |      |     | 500   |      |     | 1000  |      |     | 2000  |      |      | 3000  |      |      | 4000  |      |      | 5000  |      |      | 7000  |      |      | 9000  |      |      | 9400  |      |      |
|-----|-------|------|-----|-------|------|-----|-------|------|-----|-------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|-------|------|------|
| 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  | 3.3   | 9.2  | 0.2 | 6.4   | 9.2  | 0.5 | 12.8  | 9.3  | 1.0 | 25.4  | 9.2  | 1.9  | 38.1  | 9.0  | 2.8  | 50.8  | 8.7  | 3.6  | 63.4  | 8.3  | 4.3  | 88.8  | 7.2  | 5.2  | 114.1 | 5.9  | 5.5  | 119.2 | 5.7  | 5.5  |
| 100 | 3.4   | 19.2 | 0.5 | 6.6   | 19.2 | 1.0 | 12.9  | 19.2 | 2.0 | 25.5  | 19.1 | 3.9  | 38.2  | 18.9 | 5.8  | 50.9  | 18.5 | 7.6  | 63.5  | 18.1 | 9.3  | 88.9  | 17.0 | 12.3 | 114.2 | 15.7 | 14.6 | 119.3 | 15.4 | 15.0 |
| 150 | 3.5   | 29.1 | 0.7 | 6.7   | 29.1 | 1.4 | 13.0  | 29.1 | 2.9 | 25.7  | 29.0 | 5.9  | 38.3  | 28.8 | 8.9  | 51.0  | 28.4 | 11.7 | 63.7  | 27.9 | 14.4 | 89.0  | 26.8 | 19.4 | 114.3 | 25.5 | 23.7 | 119.4 | 25.2 | 24.5 |
| 200 | 3.6   | 39.1 | 0.9 | 6.8   | 39.1 | 1.9 | 13.1  | 39.1 | 3.9 | 25.8  | 38.9 | 7.9  | 38.4  | 38.6 | 11.9 | 51.1  | 38.2 | 15.7 | 63.8  | 37.7 | 19.4 | 89.1  | 36.6 | 26.4 | 114.4 | 35.2 | 32.7 | 119.5 | 35.0 | 33.9 |
| 250 | 3.7   | 49.0 | 1.1 | 6.9   | 49.0 | 2.3 | 13.2  | 49.0 | 4.9 | 25.9  | 48.8 | 9.9  | 38.5  | 48.5 | 14.9 | 51.2  | 48.1 | 19.7 | 63.9  | 47.6 | 24.4 | 89.2  | 46.4 | 33.4 | 114.5 | 45.0 | 41.8 | 119.6 | 44.7 | 43.4 |
| 300 | 3.8   | 59.0 | 1.3 | 7.0   | 59.0 | 2.8 | 13.3  | 58.9 | 5.8 | 26.0  | 58.7 | 11.9 | 38.7  | 58.4 | 17.8 | 51.3  | 57.9 | 23.7 | 64.0  | 57.4 | 29.4 | 89.3  | 56.2 | 40.4 | 114.6 | 54.8 | 50.8 | 119.7 | 54.5 | 52.8 |
| 350 | 3.9   | 68.9 | 1.4 | 7.1   | 68.9 | 3.2 | 13.4  | 68.8 | 6.7 | 26.1  | 68.6 | 13.8 | 38.8  | 68.2 | 20.8 | 51.4  | 67.8 | 27.7 | 64.1  | 67.2 | 34.4 | 89.4  | 66.0 | 47.4 | 114.8 | 64.6 | 59.8 | 119.8 | 64.3 | 62.2 |
| 420 | 4.1   | 82.8 | 1.7 | 7.3   | 82.8 | 3.7 | 13.6  | 82.7 | 8.0 | 26.3  | 82.4 | 16.5 | 38.9  | 82.0 | 24.9 | 51.6  | 81.5 | 33.2 | 64.3  | 81.0 | 41.3 | 89.6  | 79.7 | 57.2 | 114.9 | 78.2 | 72.4 | 120.0 | 77.9 | 75.3 |

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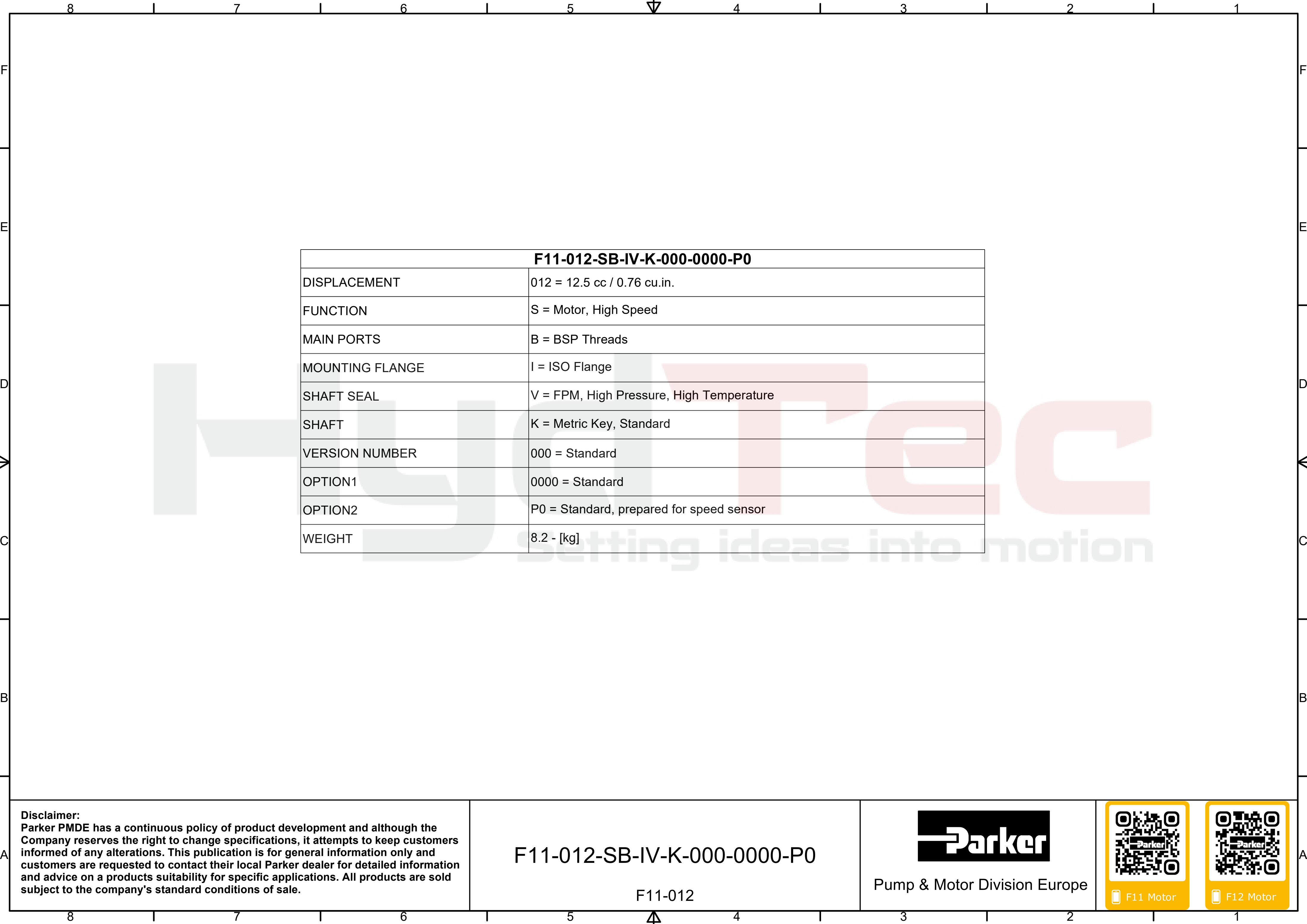
Pump & Motor Division Europe



F11 Motor



F12 Motor



| F11-012-SB-IV-K-000-0000-P0 |  |
|-----------------------------|--|
| DISPLACEMENT                | 012 = 12.5 cc / 0.76 cu.in.              |
| FUNCTION                    | S = Motor, High Speed                    |
| MAIN PORTS                  | B = BSP Threads                          |
| 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                      | 8.2 - [kg]                               |

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