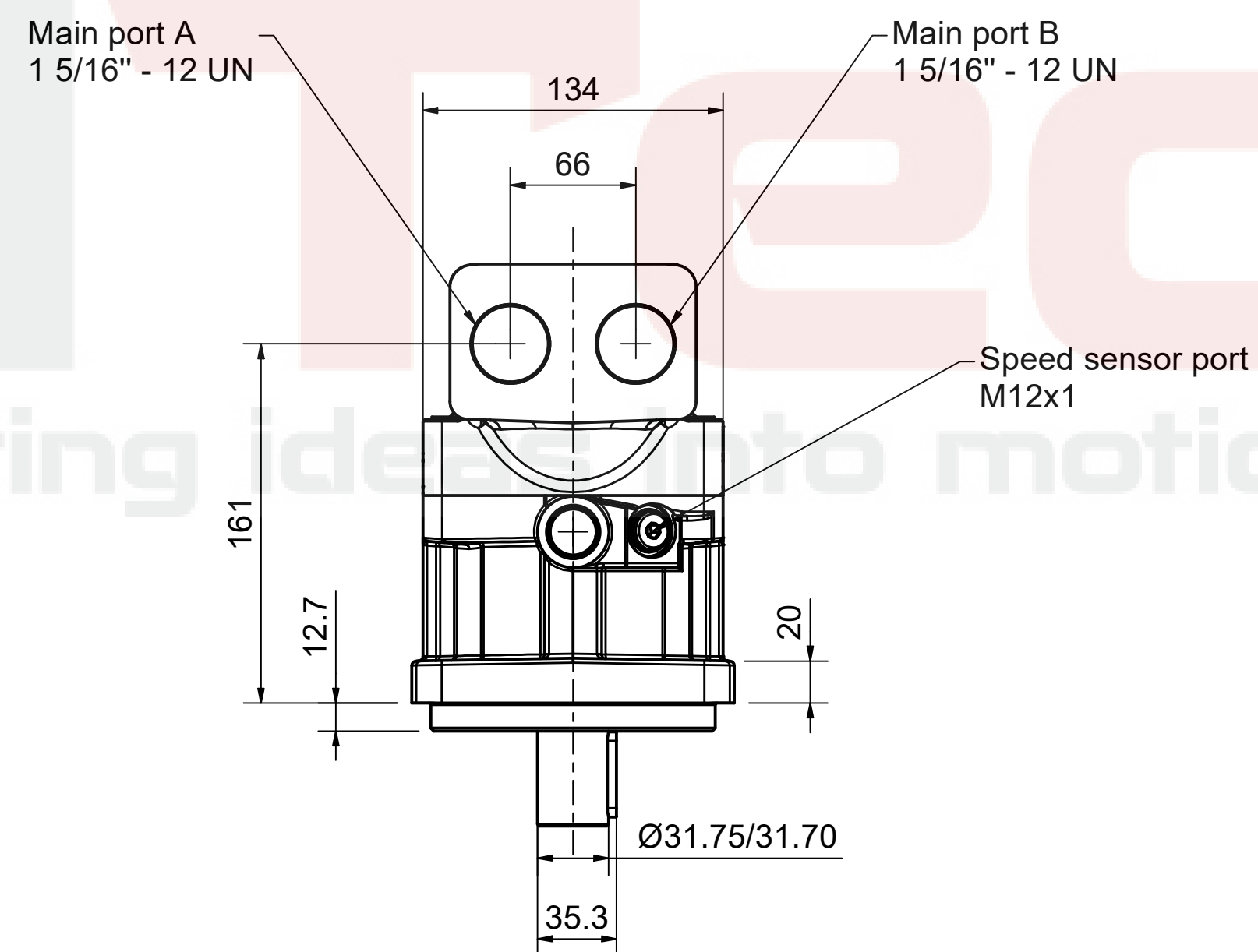
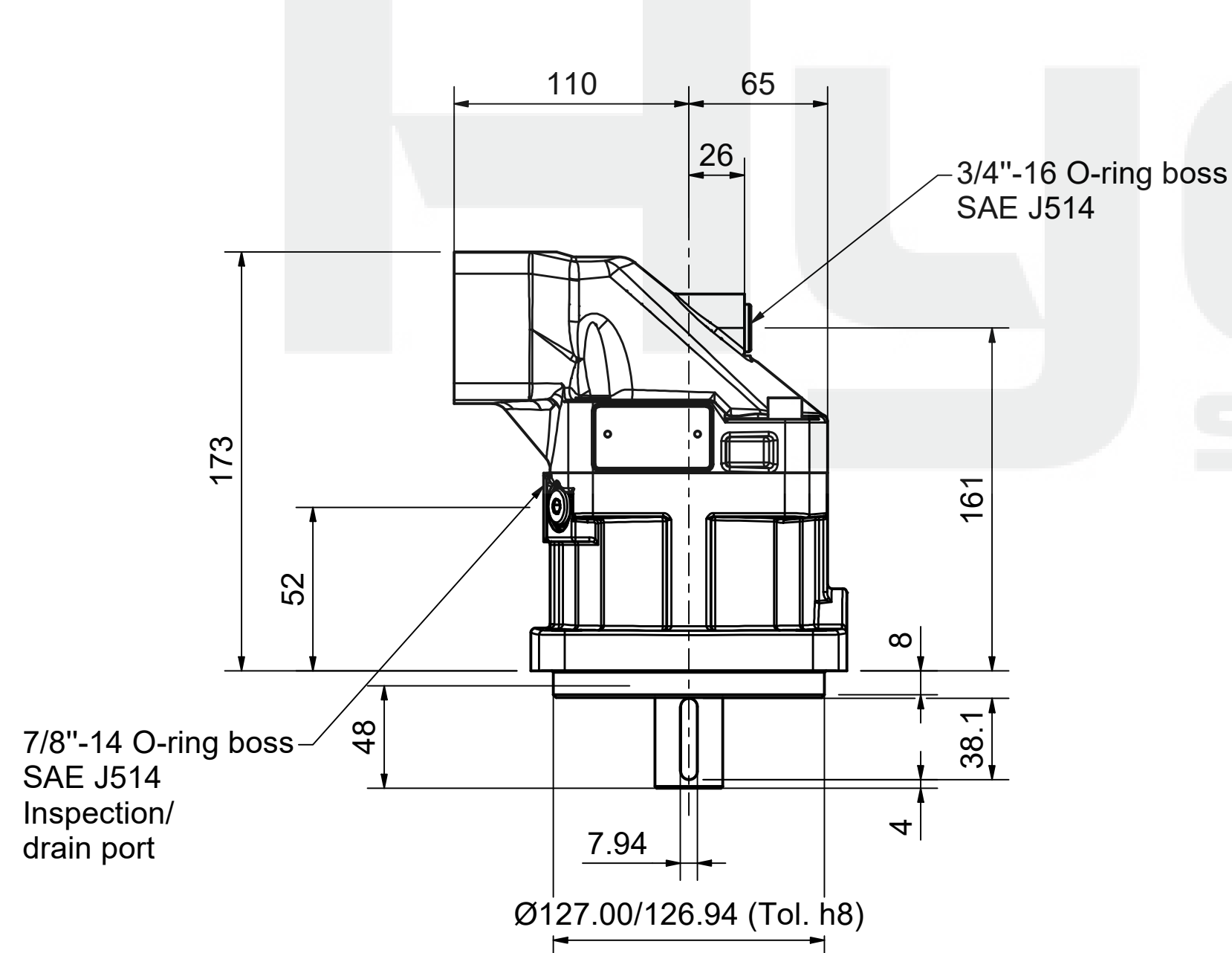
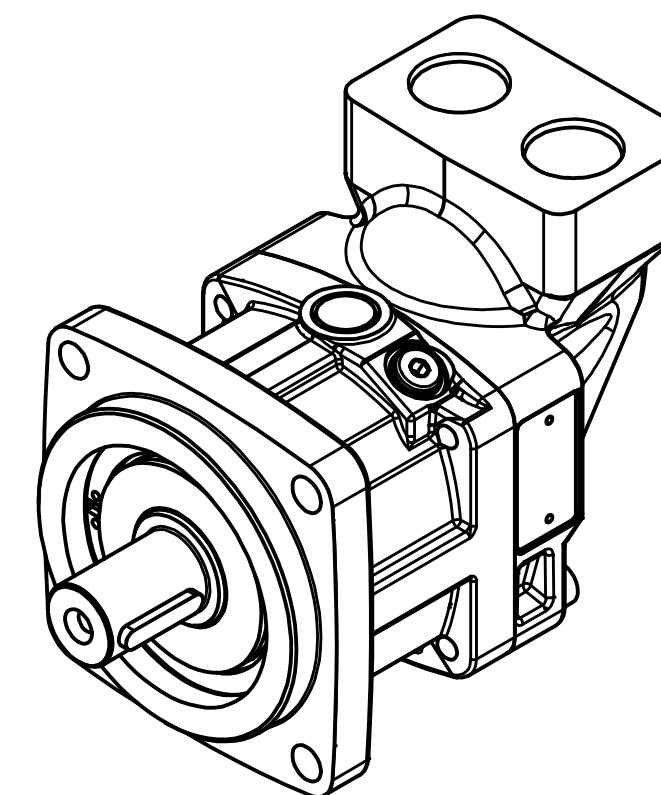
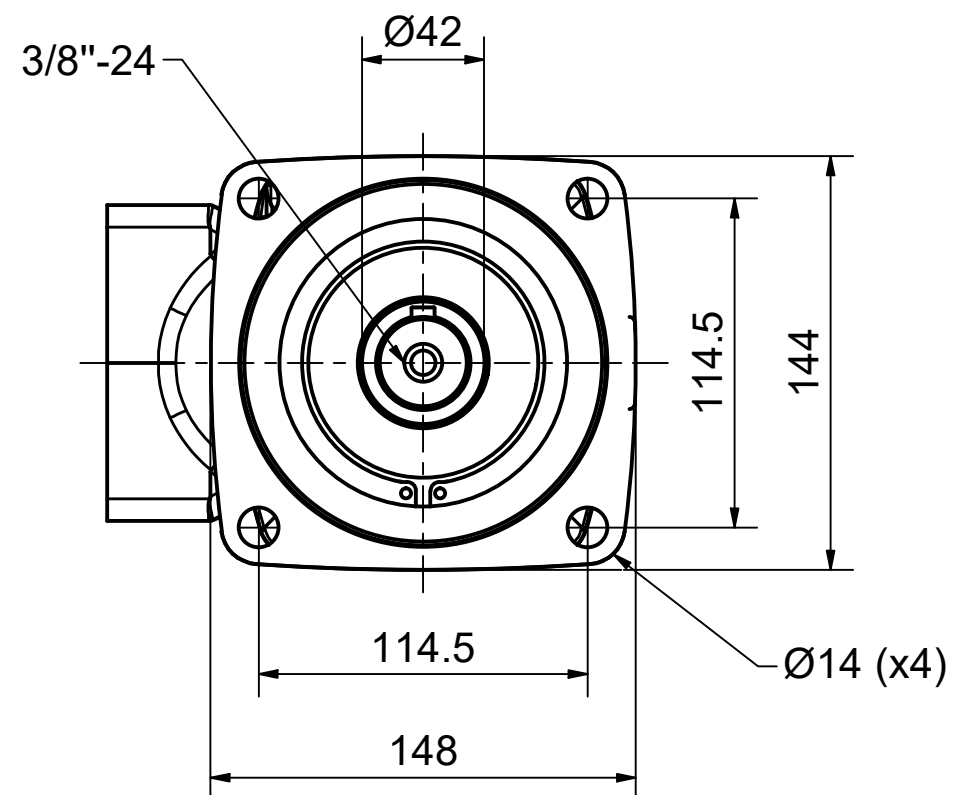




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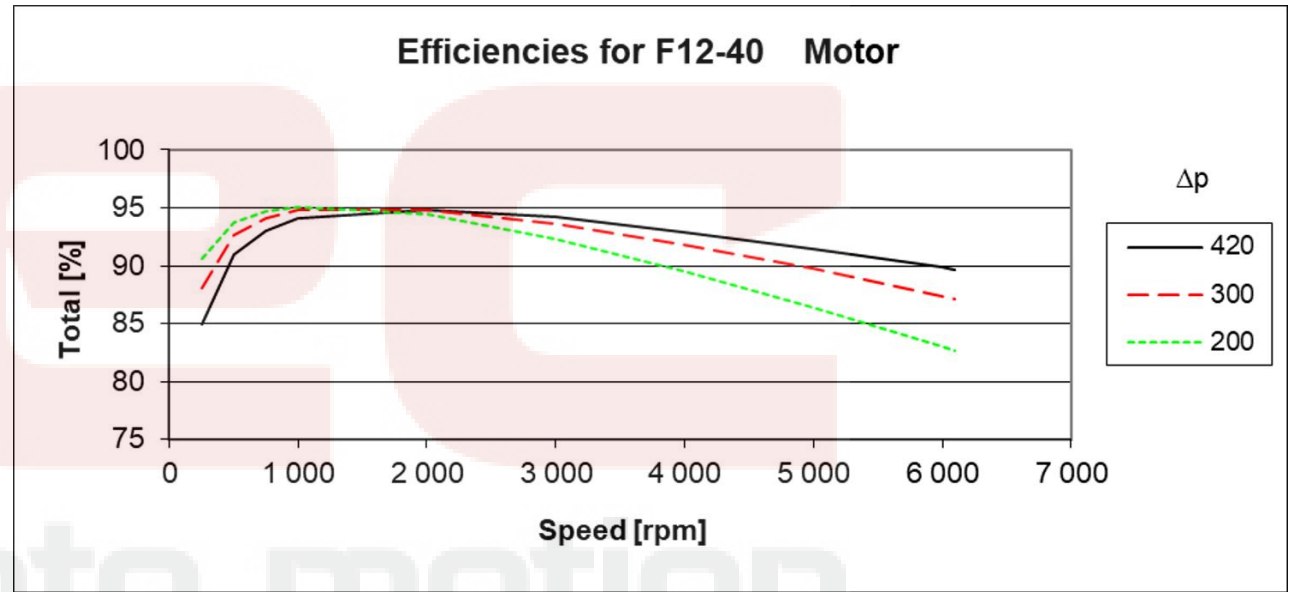
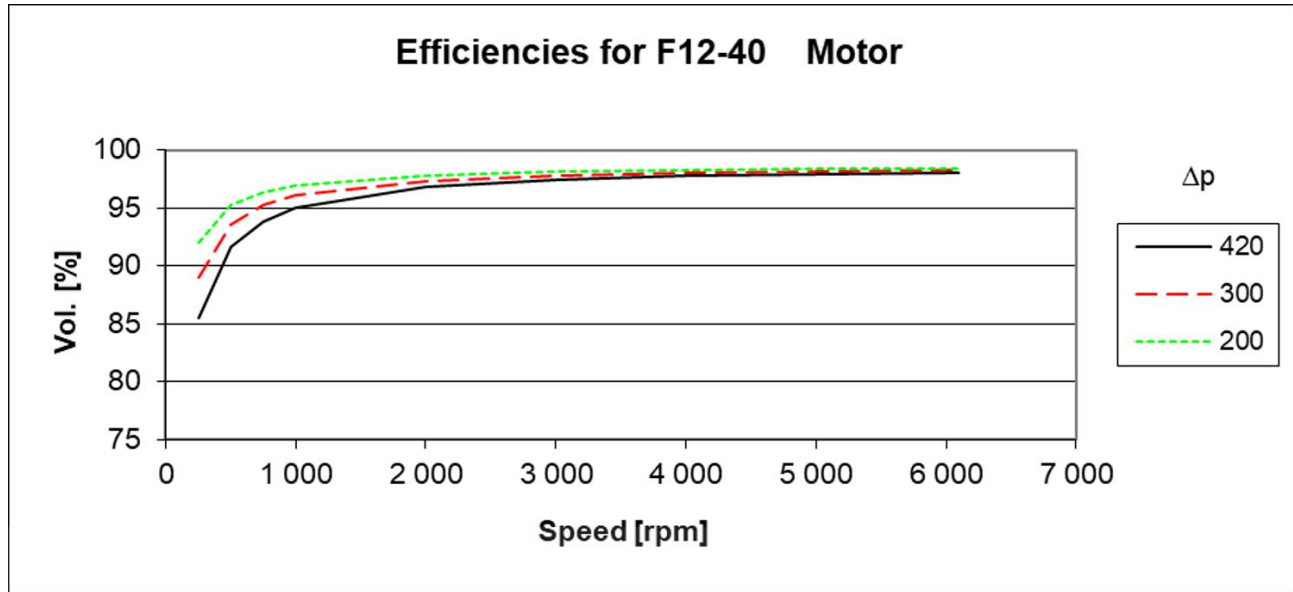
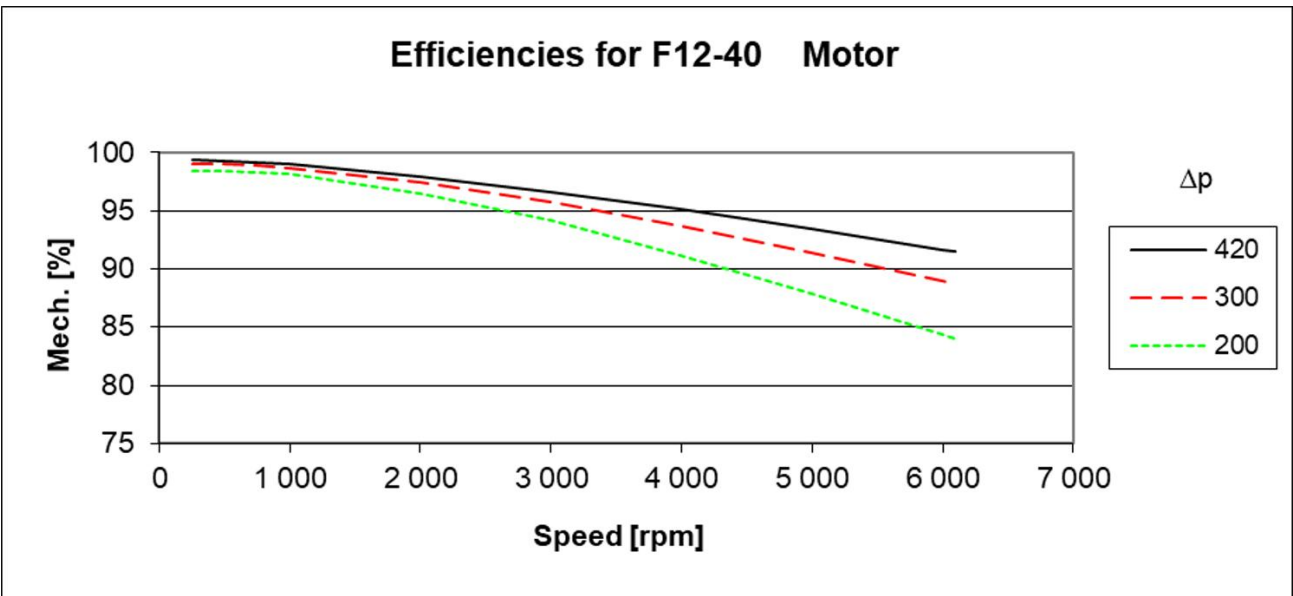


F11 Motor



F12 Motor

|              |              |              |
|--------------|--------------|--------------|
| F12-40       | Motor        |              |
| Displacement | 40 cc/rev    |              |
| Max speed    | 6700 rpm     | Intermittent |
| Max speed    | 6100 rpm     | Continuously |
| Max pressure | 480 bar      | Intermittent |
| Max pressure | 420 bar      | Continuously |
| Max Torque   | 303.2 Nm     |              |
| Torque       | 0.635 Nm/bar |              |
| Max Flow     | 249.0 Lpm    |              |
| Max Power    | 176.5 kW     |              |



| Rpm | 250   |       |     | 500   |       |      | 750   |       |      | 1000  |       |      | 2000  |       |      | 3000  |       |      | 4000  |       |       | 5000  |       |       | 6000  |       |       | 6100  |       |       |
|-----|-------|-------|-----|-------|-------|------|-------|-------|------|-------|-------|------|-------|-------|------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 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  | 10.3  | 29.6  | 0.8 | 20.4  | 29.7  | 1.5  | 30.6  | 29.7  | 2.3  | 40.7  | 29.6  | 3.1  | 81.2  | 28.0  | 5.8  | 121.8 | 25.3  | 7.8  | 162.3 | 21.8  | 9.0   | 202.8 | 17.8  | 9.2   | 243.4 | 13.5  | 8.4   | 247.4 | 13.0  | 8.2   |
| 100 | 10.5  | 61.4  | 1.5 | 20.6  | 61.5  | 3.1  | 30.8  | 61.4  | 4.7  | 40.9  | 61.2  | 6.3  | 81.4  | 59.5  | 12.3 | 121.9 | 56.7  | 17.6 | 162.5 | 53.1  | 22.0  | 203.0 | 49.1  | 25.4  | 243.5 | 44.7  | 27.7  | 247.6 | 44.2  | 27.9  |
| 150 | 10.7  | 93.2  | 2.3 | 20.8  | 93.2  | 4.7  | 30.9  | 93.1  | 7.1  | 41.1  | 92.9  | 9.5  | 81.6  | 91.0  | 18.7 | 122.1 | 88.1  | 27.3 | 162.7 | 84.4  | 34.9  | 203.2 | 80.3  | 41.5  | 243.7 | 75.9  | 47.1  | 247.8 | 75.4  | 47.6  |
| 200 | 10.9  | 125.0 | 3.0 | 21.0  | 125.0 | 6.3  | 31.1  | 124.9 | 9.5  | 41.3  | 124.6 | 12.7 | 81.8  | 122.6 | 25.2 | 122.3 | 119.5 | 36.9 | 162.8 | 115.8 | 47.8  | 203.4 | 111.6 | 57.6  | 243.9 | 107.1 | 66.4  | 248.0 | 106.6 | 67.2  |
| 250 | 11.1  | 156.8 | 3.7 | 21.2  | 156.8 | 7.8  | 31.3  | 156.6 | 11.8 | 41.4  | 156.2 | 15.8 | 82.0  | 154.1 | 31.6 | 122.5 | 150.9 | 46.6 | 163.0 | 147.1 | 60.6  | 203.6 | 142.8 | 73.7  | 244.1 | 138.3 | 85.6  | 248.1 | 137.8 | 86.8  |
| 300 | 11.2  | 188.7 | 4.4 | 21.4  | 188.5 | 9.3  | 31.5  | 188.3 | 14.1 | 41.6  | 187.9 | 19.0 | 82.2  | 185.6 | 37.9 | 122.7 | 182.3 | 56.2 | 163.2 | 178.4 | 73.4  | 203.7 | 174.1 | 89.7  | 244.3 | 169.5 | 104.9 | 248.3 | 169.0 | 106.3 |
| 350 | 11.4  | 220.5 | 5.1 | 21.6  | 220.3 | 10.7 | 31.7  | 220.0 | 16.4 | 41.8  | 219.6 | 22.0 | 82.4  | 217.1 | 44.3 | 122.9 | 213.7 | 65.7 | 163.4 | 209.7 | 86.2  | 203.9 | 205.3 | 105.7 | 244.5 | 200.7 | 124.1 | 248.5 | 200.2 | 125.9 |
| 400 | 11.6  | 252.3 | 5.7 | 21.8  | 252.0 | 12.2 | 31.9  | 251.7 | 18.6 | 42.0  | 251.2 | 25.1 | 82.5  | 248.6 | 50.6 | 123.1 | 245.1 | 75.3 | 163.6 | 241.0 | 99.0  | 204.1 | 236.6 | 121.7 | 244.7 | 231.9 | 143.3 | 248.7 | 231.4 | 145.4 |
| 480 | 11.9  | 303.2 | 6.7 | 22.1  | 302.9 | 14.4 | 32.2  | 302.4 | 22.2 | 42.3  | 301.9 | 30.0 | 82.8  | 299.1 | 60.6 | 123.4 | 295.4 | 90.5 | 163.9 | 291.2 | 119.4 | 204.4 | 286.6 | 147.2 | 245.0 | 281.8 | 173.9 | 249.0 | 281.3 | 176.5 |

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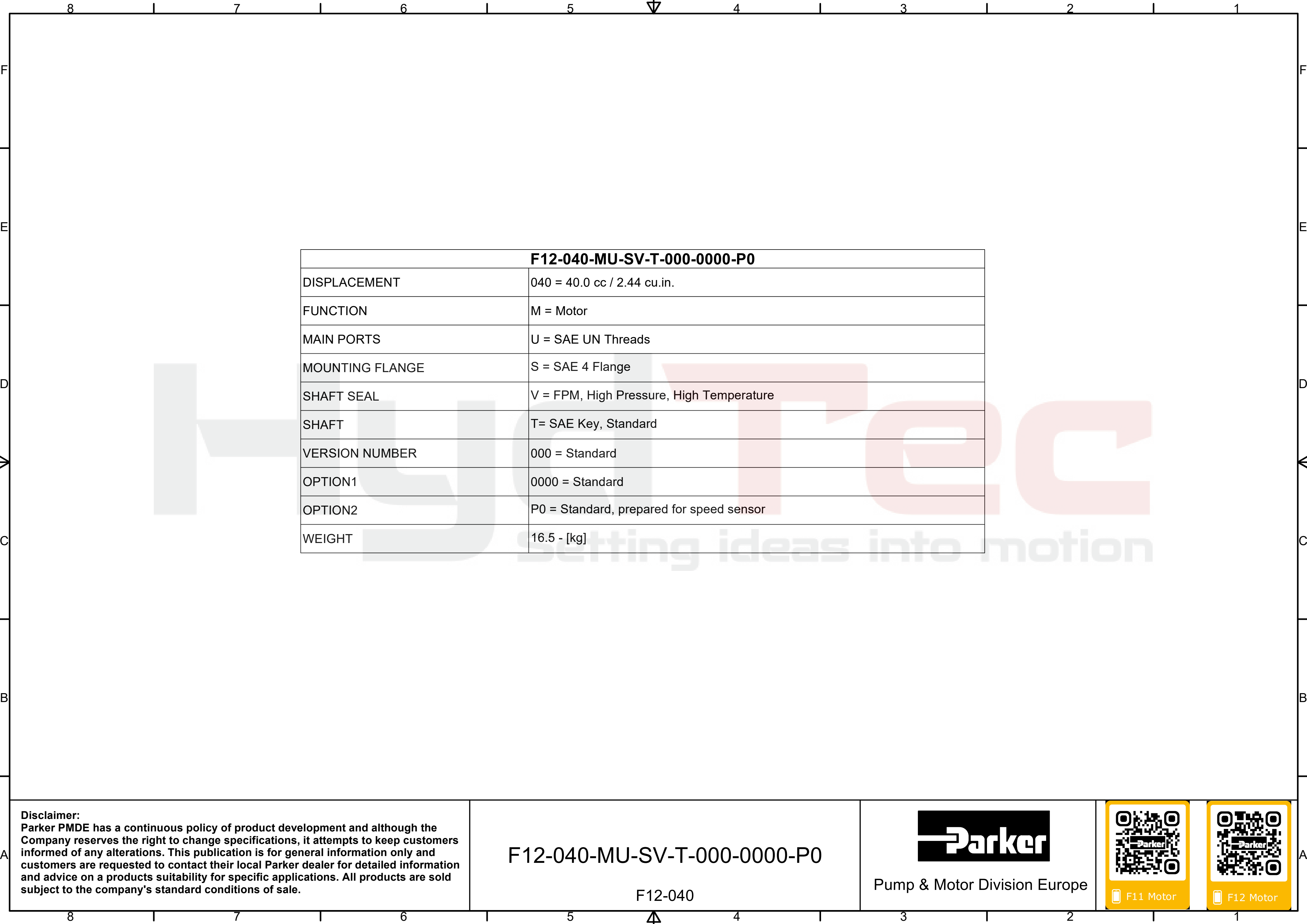
Pump & Motor Division Europe



F11 Motor



F12 Motor



| F12-040-MU-SV-T-000-0000-P0 |                                          |
|-----------------------------|------------------------------------------|
| DISPLACEMENT                | 040 = 40.0 cc / 2.44 cu.in.              |
| FUNCTION                    | M = Motor                                |
| MAIN PORTS                  | U = SAE UN Threads                       |
| MOUNTING FLANGE             | S = SAE 4 Flange                         |
| SHAFT SEAL                  | V = FPM, High Pressure, High Temperature |
| SHAFT                       | T= SAE Key, Standard                     |
| VERSION NUMBER              | 000 = Standard                           |
| OPTION1                     | 0000 = Standard                          |
| OPTION2                     | P0 = Standard, prepared for speed sensor |
| WEIGHT                      | 16.5 - [kg]                              |

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F11 Motor



F12 Motor