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F12-040-MS-TV-S-000-P21L-P0

F12-040



Pump & Motor Division Europe

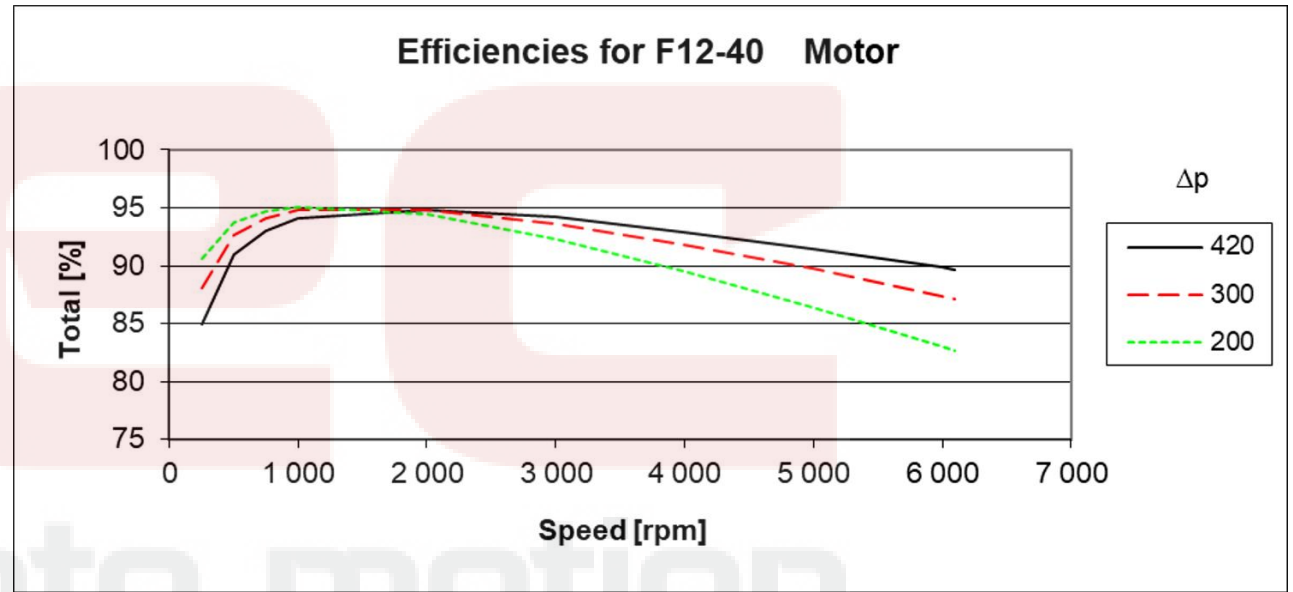
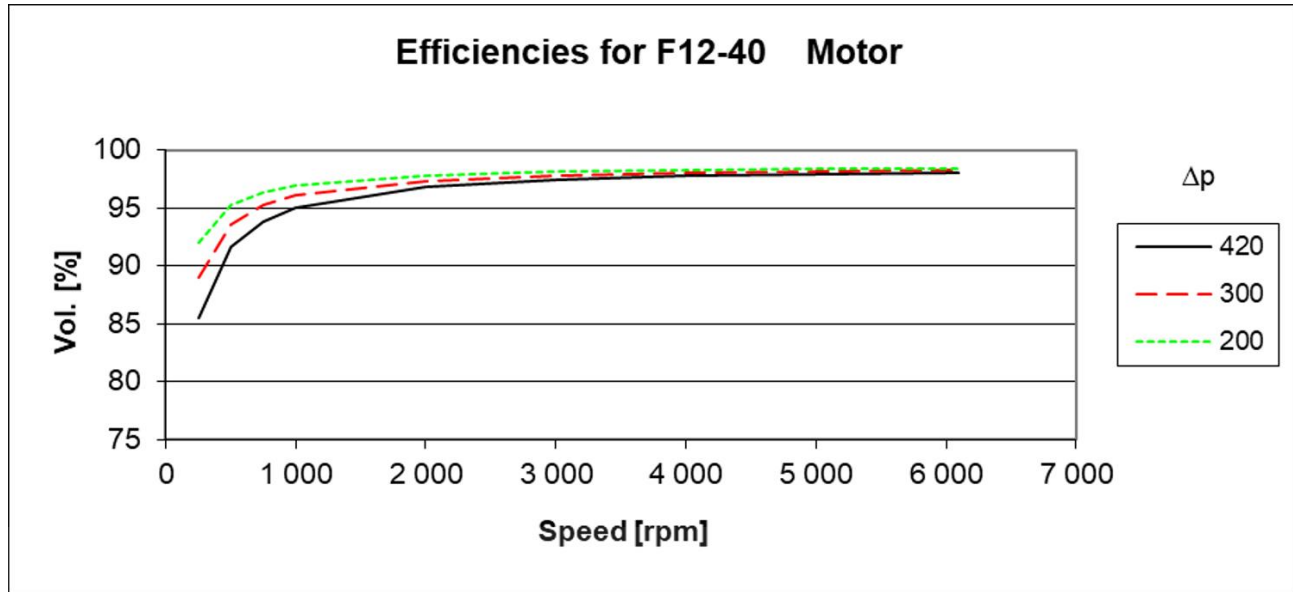
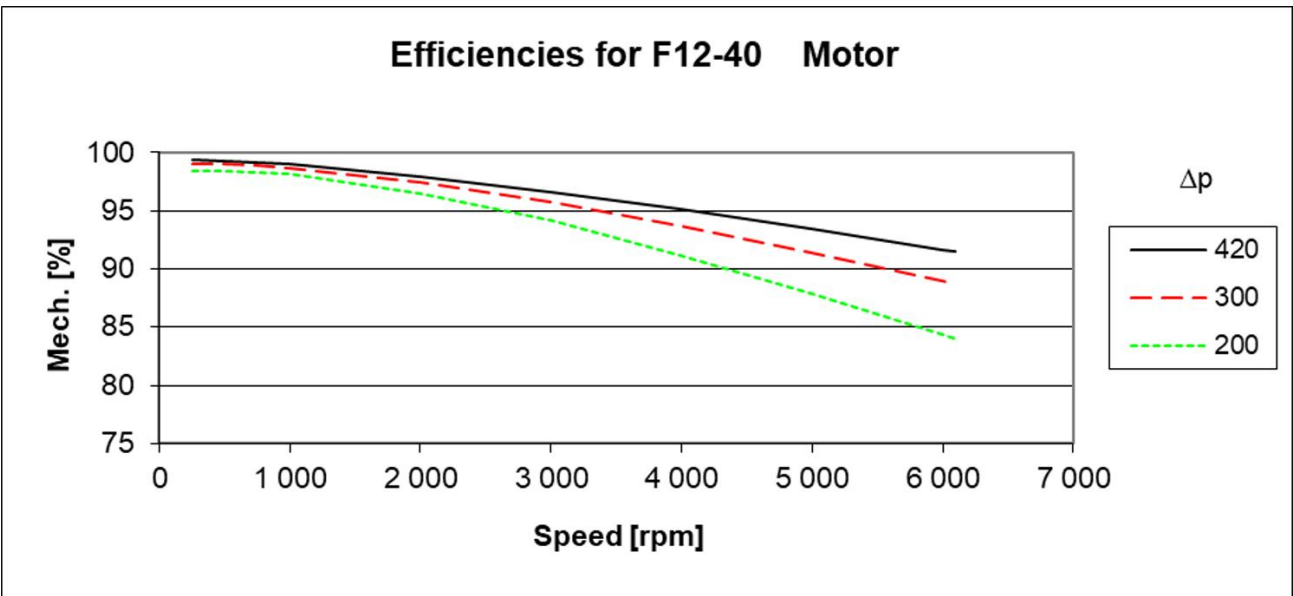


F11 Motor



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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F11 Motor



F12 Motor



| F12-040-MS-TV-S-000-P21L-P0 | |
|-----------------------------|--|
| DISPLACEMENT | 040 = 40.0 cc / 2.44 cu.in. |
| FUNCTION | M = Motor |
| MAIN PORTS | S = SAE 6000 psi, Flange |
| MOUNTING FLANGE | T = SAE 2 Flange |
| SHAFT SEAL | V = FPM, High Pressure, High Temperature |
| SHAFT | S = SAE Spline, Standard |
| VERSION NUMBER | 000 = Standard |
| OPTION1 | Pressure Release Valve = Left Rotation |
| OPTION2 | P21L = 210 bar |
| WEIGHT | P0 = Standard, prepared for speed sensor |

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