

IntElect Model 220

| Demag Plastics Group | | IntElect Model 220 | | |
|--------------------------------|--|--------------------|-----|------|
| Model Description | | IntElect Model 220 | | |
| International Size Description | | 500 | 720 | 1220 |

| Clamp Unit | | | |
|---------------------------|--------------|------|-------|
| Clamp Force | U.S. tons kN | 220 | 1,957 |
| Clamp Stroke - Max. | in. mm | 23.6 | 600 |
| Open Daylight - Max. | in. mm | 46.7 | 1,185 |
| Mold Thickness - Min. | in. mm | 9.1 | 230 |
| Mold Thickness - Max. | in. mm | 23.0 | 585 |
| Distance Between Tie Bars | | | |
| Horizontal | in. mm | 24.0 | 610 |
| Vertical | in. mm | 24.0 | 610 |
| Tie Bar Diameter | in. mm | 3.54 | 90.0 |
| Platen Size | | | |
| Horizontal | in. mm | 36.2 | 920 |
| Vertical | in. mm | 39.3 | 1000 |
| Ejector Data | | | |
| Ejector Stroke | in. mm | 5.9 | 150 |
| Ejector Force | U.S. tons kN | 5.50 | 50 |

| Injection Unit | | 500 | | 720 | | 1220 | |
|---------------------------|--------------|----------|----------|----------|----------|----------|----------|
| | Measure | Std. | HiPr | Std. | HiPr | Std. | HiPr |
| Injection Capacity (GPPS) | oz. | 10.7 | 8.5 | 14.7 | 11.9 | 25.4 | 17.6 |
| | g | 304 | 241 | 417 | 337 | 720 | 500 |
| Injection Capacity | cu. in. | 19.7 | 15.6 | 27 | 21.8 | 46.6 | 32.4 |
| | ccm | 323 | 255 | 442 | 358 | 763 | 530 |
| Recovery Rate-Std. | oz./sec. | 1.4 | 1.1 | 1.8 | 1.4 | 1.8 | 1.2 |
| | g/sec | 39.3 | 30.8 | 51.0 | 39.3 | 50.0 | 34.0 |
| Injection Pressure | psi | 23,200 | 29,300 | 23,200 | 28,600 | 23,200 | 33,400 |
| | bar | 1,600 | 2,020 | 1,600 | 1,972 | 1,600 | 2,303 |
| Injection Rate | cu. in./sec. | 16.2 | 12.8 | 20.0 | 16.2 | 24.6 | 17.1 |
| | ccm/sec | 265 | 209 | 327 | 265 | 404 | 280 |
| Injection Stroke | in. | 8.0 | 8.0 | 8.9 | 8.9 | 10.6 | 10.6 |
| | mm | 203 | 203 | 225 | 225 | 270 | 270 |
| Screw Diameter | in. | 1.77 | 1.57 | 1.97 | 1.77 | 2.36 | 1.97 |
| | mm | 45 | 40 | 50 | 45 | 60 | 50 |
| Screw L/D Ratio | | 20/1 | 20/1 | 20/1 | 20/1 | 20/1 | 20/1 |
| Maximum Screw Speed | rpm | 375 | 375 | 375 | 375 | 250 | 250 |
| Back Pressure Adjust | psi | 50-300 | 50-300 | 50-300 | 50-300 | 50-300 | 50-300 |
| | bar | 3.5-20.7 | 3.5-20.7 | 3.5-20.7 | 3.5-20.7 | 3.5-20.7 | 3.5-20.7 |
| Barrel Heating Capacity | kW | 10.3 | 9.5 | 13.7 | 11.7 | 21.5 | 17.9 |

| General Machine Specifications | | 500 | | 720 | | 1220 | |
|--------------------------------|---------|--------|--------|--------|--------|--------|--------|
| | Measure | | | | | | |
| Length | ft. m | 19.9 | 6.1 | 19.9 | 6.1 | 19.9 | 6.1 |
| Width | ft. m | 6.0 | 1.8 | 6.0 | 1.8 | 6.0 | 1.8 |
| Height | ft. m | 7.5 | 2.3 | 7.5 | 2.3 | 7.5 | 2.3 |
| Machine Weight (approx.) | lb. kg | 28,000 | 12,700 | 28,000 | 12,700 | 28,000 | 12,700 |

Performance specifications are based on theoretical data and mold, material and conditions. Since continuous improvement is Demag Plastics Group's policy, we reserve the right to change specifications, designs and performance data without prior notice or obligation.

The specifications listed are standard. However, Demag Plastics Group will provide engineered options and solutions to meet virtually any performance requirements.

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