

# Specification



## MZ900V-210

**MZ Series:** Electric with Integrated Hydraulics



| CLAMPING UNIT                   |         | MZ900 V / 210 |
|---------------------------------|---------|---------------|
| Clamping Force                  | kN      | 900           |
|                                 | US Tons | 101           |
| Mold Opening Stroke             | mm      | 320           |
|                                 | in.     | 12.6          |
| Minimum Mold Height             | mm      | 150           |
|                                 | in.     | 5.91          |
| Maximum Mold Height             | mm      | 410           |
|                                 | in.     | 16.14         |
| Maximum Daylight                | mm      | 730           |
|                                 | in.     | 28.74         |
| Distance Between Tie-Bars (HXV) | mm      | 420x420       |
|                                 | in.     | 16.54x16.54   |
| Platen Dimensions (HXV)         | mm      | 580x580       |
|                                 | in.     | 22.83x22.83   |
| Minimum Mold Size               | mm      | 270x270       |
|                                 | in.     | 10.63x10.63   |
| Ejector Stroke                  | mm      | 80            |
|                                 | in.     | 3.15          |
| Ejector Force                   | kN      | 24.5          |
|                                 | US Tons | 3             |

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| INJECTION UNIT                  |                 | 210   |       |       |       |
|---------------------------------|-----------------|-------|-------|-------|-------|
| Screw & Barrel Designation      |                 | AA    | A     | B     | C     |
| Screw Diameter                  | mm              | 26    | 28    | 32    | 36    |
|                                 | in.             | 1.02  | 1.10  | 1.26  | 1.42  |
| Screw L/D Ratio                 | L/D             | 21    | 21    | 21    | 18.6  |
| Injection Volume (theoretical)  | cm <sup>3</sup> | 61    | 70    | 100   | 127   |
|                                 | cu.in.          | 3.72  | 4.27  | 6.10  | 7.75  |
| Injection Weight (PS)           | g               | 55    | 64    | 91    | 115   |
|                                 | oz.             | 1.94  | 2.26  | 3.21  | 4.06  |
| Injection Pressure              | MPa             | 280   | 260   | 200   | 160   |
|                                 | psi             | 40611 | 37710 | 29008 | 23206 |
| Holding Pressure                | MPa             | 224   | 206   | 160   | 126   |
|                                 | psi             | 32488 | 29878 | 23206 | 18275 |
| Screw Speed                     | rpm             | 400   | 400   | 400   | 400   |
| Plasticizing Rate (GPPS)        | g/s             | 8.5   | 11    | 16    | 19.4  |
|                                 | oz./s           | 0.30  | 0.39  | 0.56  | 0.68  |
| Plasticizing Rate (HDPE)        | g/s             | -     | -     | -     | -     |
|                                 | oz./s           | -     | -     | -     | -     |
| Nozzle Contact Force MZ         | kN              | 26    | 26    | 26    | 26    |
|                                 | US Tons         | 2.92  | 2.92  | 2.92  | 2.92  |
| Injection Unit Standard         |                 | 210   |       |       |       |
| Injection Speed                 | mm/s            | 200   |       |       |       |
|                                 | in./s           | 7.87  |       |       |       |
| Injection Rate (PS)             | g/s             | 92    | 107   | 140   | 177   |
|                                 | oz./s           | 3.25  | 3.77  | 4.94  | 6.24  |
| Injection Unit High Speed       |                 | 210h  |       |       |       |
| Injection Speed                 | mm/s            | 350   |       |       |       |
|                                 | in./s           | 13.78 |       |       |       |
| Injection Rate (PS)             | g/s             | 162   | 188   | 245   | 311   |
|                                 | oz./s           | 5.71  | 6.63  | 8.64  | 10.97 |
| Injection Unit Ultra High Speed |                 | 210hs |       |       |       |
| Injection Speed                 | mm/s            | 500   |       |       |       |
|                                 | in./s           | 19.69 |       |       |       |
| Injection Rate (PS)             | g/s             | 231   | 268   | 351   | 444   |
|                                 | oz./s           | 8.15  | 9.45  | 12.38 | 15.66 |

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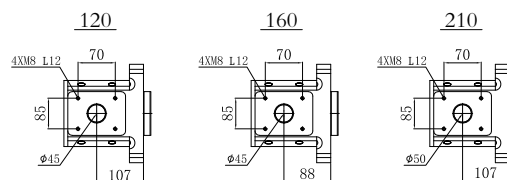
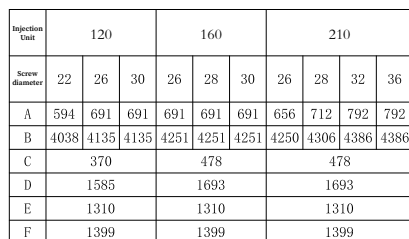
| OTHER                     |         |                                        |     |     |     |
|---------------------------|---------|----------------------------------------|-----|-----|-----|
| Heating Power             | kW      | 6.9                                    | 7.8 | 9.2 | 9.2 |
| Connection Power          | kW/A    | 210:16/26<br>210h:21/36<br>210hs:29/48 |     |     |     |
| Machine Dimension (LxWxH) | m       | 4.39x1.23x2.03                         |     |     |     |
|                           | in.     | 173x48x80                              |     |     |     |
| Machine Weight MZ         | t       | 3.84                                   |     |     |     |
|                           | lbs.    | 8466                                   |     |     |     |
| Hopper Capacity           | l       | 25                                     |     |     |     |
|                           | gal     | 7                                      |     |     |     |
| Oil Pressure              | MPa     | 17.5                                   |     |     |     |
|                           | psi     | 2538                                   |     |     |     |
| Oil Flow                  | l/min   | 35                                     |     |     |     |
|                           | gal/min | 9                                      |     |     |     |
| Oil Tank Size             | l       | 47                                     |     |     |     |
|                           | gal     | 12                                     |     |     |     |

\*NOTE:

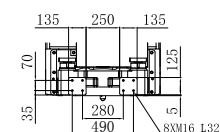
1. Machine dimensions and weights are based on the international standard configuration and are for reference only. Any options or country specific requirements will affect this. Contact Absolute Haitian service department for machine specific information.

2. Power requirements are based on the international standard configuration and are for reference only. Any options or country specific requirements will affect this. Contact Absolute Haitian service department for machine specific information.

## Machine Dimensions



Minimum mold installation size



### Robot mounting hole position