

# CL7000 (English Units)

High-Duty All-Electric

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## CLAMP SPECIFICATIONS

|                                 |           |   |
|---------------------------------|-----------|---|
| Clamping force                  | U.S. tons | 606   |
| Distance between tie-bars       | in        | 38.19 x 38.19                                       |
| Overall size of platens (H x V) | in        | 55.51 x 54.72                                       |
| Open daylight (max.)            | in        | 68.90   |
| Mold space (min.-max.)          | in        | 15.75 – 31.50                                       |
| Opening stroke (max.)           | in        | 37.40   |
| Mold open/close speed (max.)    | in/sec    | 47.2  |
| Locating ring diameter          | in        | 5.91  |
| Ejector pattern                 |           | Center, 3.94 in, 15.75 in, 27.56 in (H) (21 points) |
| Ejector stroke                  | in        | 7.87  |
| Ejector force                   | U.S. tons | 14.33   |

## INJECTION SPECIFICATIONS

| Plasticizing unit                   |                      | C2300 (CL)   |        | C3200 (CL)   |        |
|-------------------------------------|----------------------|--------------|--------|--------------|--------|
| Screw diameter                      | mm                   | 63           | 76     | 76           | 84     |
| Injection pressure                  | p.s.i.               | 31,291       | 21,477 | 27,024       | 22,188 |
| Holding pressure                    | p.s.i.               | 31,291       | 21,477 | 27,024       | 22,188 |
| Injection capacity                  | in <sup>3</sup>      | 59.9         | 87.2   | 99.67        | 121.7  |
| Injection weight (GPPS)             | g                    | 943          | 1372   | 1568         | 1915   |
|                                     | oz                   | 33.3         | 48.4   | 55.3         | 67.6   |
| Plasticizing capacity (max.)        | lb/hr                | 401          | 443    | 443          | 604    |
| Screw speed (max.)                  | rpm                  | 250          | 200    | 200          | 200    |
| Heater capacity (6 zones)           | KW                   | 25.6         | 29.9   | 29.9         | 34.2   |
| Injection rate (max.)               | in <sup>3</sup> /sec | 30.5         | 44.3   | 44.3         | 54.1   |
| Injection speed (max.)              | in/sec               | 6.30         |        |              |        |
| Screw stroke                        | in                   | 12.40        |        | 14.17        |        |
| Nozzle contact force                | U.S. tons            | 6.61         |        | 6.61         |        |
| Injection unit stroke (penetration) | in                   | 26.77 (3.94) |        | 26.77 (3.94) |        |
| Hopper capacity                     | in <sup>3</sup>      | 6102         |        | 6102         |        |

## MACHINE SPECIFICATIONS

|                                |           |                |      |
|--------------------------------|-----------|----------------|------|
| Main breaker capacity          | amps      | 300A @ 230V    |      |
| Machine dimensions (L x W x H) | in        | 348 x 92 x 101 |      |
| Machine weight                 | U.S. tons | 39.4           | 40.5 |

**NOTE:** Specifications subject to change without notice.