



| BL90EK Specification Sheet | | | | |
|--------------------------------|--------------------|-----------------|-------|-------|
| DESCRIPTION | UNIT | BL90EK | | |
| | | A | B | C |
| Screw diameter | in | 1.260 | 1.417 | 1.575 |
| | mm | 32 | 36 | 40 |
| Screw ratio | | 23 | 20 | 18 |
| Theoretical injection capacity | cu in | 8.83 | 11.18 | 13.80 |
| | cm ³ | 145 | 183 | 226 |
| Shot weight(PS) | g | 133 | 169 | 208 |
| | oz | 4.7 | 5.9 | 7.3 |
| Injection rate into Air | cu in/s | 4.9 | 6.2 | 7.7 |
| | cm ³ /s | 80 | 102 | 126 |
| Injection pressure | psi | 31912 | 25094 | 20308 |
| | MPa | 220 | 173 | 140 |
| Injection stroke | in | 7.09 | | |
| | mm | 180 | | |
| Max. injection speed | in/s | 3.94 | | |
| | mm/s | 100 | | |
| Max. Screw speed | r/min | 220 | | |
| Clamping force | US Ton | 101 | | |
| | kN | 900 | | |
| Opening stroke | in | 14 | | |
| | mm | 360 | | |
| Space between tie bar | in×in | 16.14×14.17 | | |
| | mm×mm | 410×360 | | |
| Platen Size | in×in | | | |
| | mm×mm | | | |
| Min. mould height | in | 6 | | |
| | mm | 160(125) | | |
| Max. mould height | in | 15 | | |
| | mm | 390(355) | | |
| Max. distance Platen | in | 30 | | |
| | mm | 750(715) | | |
| Ejector Stroke | in | 4 | | |
| | mm | 100 | | |
| Ejector force forward | US Ton | 3 | | |
| | kN | 31 | | |
| Ejector force back | US Ton | 2 | | |
| | kN | 20 | | |
| Number of ejector bar | PC | 5 | | |
| Sys. Pressure | psi | 2320 | | |
| | MPa | 16 | | |
| Pump Motor | hp | 17.43 | | |
| | kW | 13 | | |
| Heater power | kW | 6.2 | | |
| Number of temp. control zones | | 3+1 | | |
| Hoper capacity | Lbs | 55.125 | | |
| | kg | 25 | | |
| Oil tank capacity | US gal | 40 | | |
| | L | 150 | | |
| Machine dimensions(L×W×H) | FtxFtxFt | 12.47×4.27×6.07 | | |
| | m×m×m | 3.8×1.3×1.85 | | |
| Machine weight | Lbs | 6000 | | |
| | Ton | 3 | | |

