

Specifications and Dimensions

| | | SI-35V | | | | | | | |
|---------------------------------|---|---------------------------------|---|----------|----------|---------------|----------|----------|-------|
| INJECTION | Screw diameter | In(mm) | 0.62(16) | 0.70(18) | 0.78(20) | 0.78(20) | 0.84(24) | 1.10(28) | |
| | Injection stroke | in | 2.51 | 2.83 | 2.83 | 2.83 | 3.77 | 4.40 | |
| | Theoretical injection capacity | In ³ | 0.79 | 1.09 | 1.40 | 1.40 | 2.62 | 4.21 | |
| | Injection capacity (PS) | oz | 0.43 | 0.60 | 0.77 | 0.77 | 1.44 | 2.31 | |
| | Standard | Injection unit | — | B55CU | | | — | | |
| | | Injection rate | in ³ /s | 3.68 | 4.83 | 5.73 | — | | |
| | | Max. Injection speed | in/s | 11.81 | | | — | | |
| | | Max. Injection pressure | psi | 34111 | 34111 | 29137 | — | | |
| | | Max. Injection holding pressure | psi | 34111 | 31289 | 28426 | — | | |
| | High-pressure | Injection unit | — | — | | | D75CU | | |
| | | Injection rate | in ³ /s | — | | | 5.73 | 8.29 | 11.28 |
| | | Max. Injection speed | in/s | — | | | 11.81 | | |
| | | Max. Injection pressure | psi | — | | | 39811 | 34140 | 26439 |
| | | Max. Injection holding pressure | psi | — | | | 39811 | 28426 | 21319 |
| | High-speed | Injection unit | — | — | | | D150HCU | | |
| | | Injection rate | in ³ /s | — | | | 8.58 | 13.79 | 18.79 |
| | | Max. Injection speed | in/s | — | | | 19.68 | | |
| | | Max. Injection pressure | psi | — | | | 34126 | 31283 | 22755 |
| | | Max. Injection holding pressure | psi | — | | | 31283 | 28440 | 20623 |
| | Ultra-high-speed | Injection unit | — | BH150CU | | | — | | |
| Injection rate | | in ³ /s | 6.16 | 7.76 | 8.68 | — | | | |
| Max. Injection speed | | in/s | 19.68 | | | — | | | |
| Max. Injection pressure | | psi | 36968 | 36968 | 34126 | — | | | |
| Max. Injection holding pressure | | psi | 36968 | 31283 | 28440 | — | | | |
| Recovery rate (PS) | oz/h | 0.10 | 0.14 | 0.17 | 0.13 | 0.24 | 0.40 | | |
| Screw revolution speed | min ⁻¹ | 500 | | | 350 | | | | |
| Heater capacity | KW | 2.05 | 2.28 | 2.58 | 2.58 | 3.45 | 5.50 | | |
| Nozzle pressing force | U.S.ton | 1.1 | | | 2.2 | | | | |
| CLAMPING | Clamping system | — | Double toggle | | | | | | |
| | Clamping force | U.S.ton | 35 | | | | | | |
| | Clamping stroke | in | 9.05 | | | | | | |
| | Min. mold height | in | 4.72 | | | | | | |
| | Max. mold height | in | 13.77 | | | | | | |
| | Tie bar clearance (H-KV) | in | 12.2×11.41 | | | | | | |
| | Die plate size (H-KV) | in | 16.53×15.74 | | | | | | |
| | Ejector force | U.S.ton | 0.87 | | | | | | |
| | Ejector stroke | in | 2.36 | | | | | | |
| | Mold height motor output | KW | 0.1 | | | | | | |
| Nozzle touch motor output | KW | 0.2 | | | | | | | |
| OTHERS | Machine dimension (L) | in | 117.71 | | 122.85 | 126.37 | 128.78 | | |
| | Machine dimensions (W×H) | in | 34.25 × 64.67 | | | 34.25 × 64.63 | | | |
| | Power source | — | Three phase AC 200V/200, 230V±10% 50Hz/60Hz | | | | | | |
| | Main breaker capacity | A | 75 | | | | | | |
| | Total electric capacity | KVA | D75CU : 13 B55CU : 9, BH150CU : 18 D150HCU : 20 | | | | | | |
| | Cable size: 200V Class [400V Class *1] | in ² | 0.03[0.01] | | | | | | |
| | Machine weight | U.S.ton | 1.9 | | | | | | |

NOTES

- The figures are subject to change without any legal obligation on the part of the manufacture.
- The maximum injecting pressure and the maximum holding pressure are attainable maximum set values. These values may be limited by molding conditions and cycle time.
- The injection rate and the maximum injecting speed are calculated values. These values may be limited by set injecting pressure.
- When a screw with wide diameter is used, some resins may not be accepted.
- When the machine is attached with an option, the capacity of the breaker may be changed.
- Figures in [] are optional.

*1. A transformer(option) is necessary on the machine side.

■ The highlighted specifications are recommended injection units.



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