

1 PLASTAR ET-90 II HR2/4 Specifications

| | | | | | | | | |
|-----------|---|----------------------|--|---------------|-------------|---------------|------------|------------|
| Injection | Injection system | — | In-line screw | | | | | |
| | Injection unit | — | D75DU | 《D150DU》 | | 《F75DU》 | | |
| | Injection stroke | in | 4.40 | 《4.40》 | 《4.40》 | 《5.03》 | 《5.66》 | 《6.29》 |
| | Screw diameter | in(mm) | 1.10(28) | 《1.10(28)》 | 《1.25(32)》 | 《1.25(32)》 | 《1.41(36)》 | 《1.57(40)》 |
| | Theoretical injection capacity | oz | 2.31 | 《2.31》 | 《3.01》 | 《3.45》 | 《4.92》 | 《6.73》 |
| | Injection rate | in ³ /s | 11.27 | 《11.27》 | 《14.72》 | 《7.36》 | 《9.31》 | 《11.50》 |
| | Max. injection speed | in/s | 11.81 | 《11.81》 | | 《5.90》 | | |
| | Max. injection pressure | psi | 26541 | 《34228》 | 《26396》 | 《34228》 | 《27847》 | 《22770》 |
| | Max. injection holding pressure | psi | 21320 | 《25671》 | 《21320》 | 《31328》 | 《24946》 | 《20015》 |
| | Recovery rate (PS) | oz/s | 0.40 | 《0.40》 | 《0.60》 | 《0.60》 | 《0.87》 | 《1.10》 |
| | Screw revolution speed | min ⁻¹ | 350 | | | | | |
| | Nozzle pressing force | U.S.ton | 1.65 | | | | | |
| Clamping | Clamping system | — | Toggle | | | | | |
| | Clamping force | U.S.ton | 90 | | | | | |
| | Clamping stroke | in | 11.02 | | | | | |
| | Min. mold height | in | 8.86 [9.25] | | | | | |
| | Max. mold height | in | 13.77 | | | | | |
| | Max. die plate size (H×V) | in | 16.14×16.14 | | 18.89×13.77 | | | |
| | Max. lower mold-half weight | lb | 661.38×2 [330.69×4] | | | | | |
| | Table diameter | in | 47.24 | | | | | |
| | Nozzle center height | in | 5.90 [5.90~7.87] (From table surface) | | | | | |
| | Ejector force | U.S.ton | 2.91 | | | | | |
| | Ejector pin projection | in | 2.55 | | | | | |
| Others | Heater capacity | kW | 5.50 | 《5.50》 | 《5.85》 | 《5.85》 | 《6.50》 | 《7.95》 |
| | Mold height motor output | kW | 0.4 | | | | | |
| | Nozzle touch motor output | kW | 0.4 | | | | | |
| | Machine dimension (L) | in | 139.45 | 《139.45》 | 《143.43》 | 《157.48》 | 《160.75》 | 《165.40》 |
| | Machine dimension (W×H) | in | 51.19×87.72 | | | | | |
| | Power source | — | Three phase AC200V/200, 230V±10% 50Hz/60Hz | | | | | |
| | Main breaker capacity 200V Class 【400VClass※1】 | A | 75 [50] | 《100》 [50] | | 《100》 [50] | | |
| | Total electric capacity | kVA | 20 | 《25》 | | 《26》 | | |
| | Cable size 200V Class 【400VClass※1】 | in ² | 0.03 [0.01] | 《0.06》 [0.02] | | 《0.06》 [0.02] | | |
| | Air supply plumbing joint | in | Rc3/8 | | | | | |
| | Air supply pressure※2 | psi | 53 [59] | | | | | 53 [73] |
| | Required air content※3 | in ³ /min | 469.9 [738.4] | | | | | |
| | Machine weight | U.S.ton | 6.8 | | | 《7.5》 | | |

- 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.
 - There values may be limited by molding conditions and cycle time.
 - The maximum injecting pressure and the maximum holding pressure are values of case equipped with wear-resistant screw.
 - The injection rate and the maximum injecting speed are calculated values. These values may be limited by set injecting pressures.
 - When the machine is attached with an option, the capacity of the breaker may be changed.
 - Figures in [] are 4 station to specifics.
 - Figures in 《 》 are option.
 - Figures in 《 》 are numerical value except the standard ejection unit.

- ※1 A transformer (option) is necessary on the machine side
 ※2 It is a necessary air supply pressure level. Please supply it to become than a pressure level.
 ※3 It is a calculated value at use ambient temperature 68 F.