

# 1 PLASTAR ET-90 II VR2/4 Specifications1

Injection	Injection system	—	In-line screw					
	Injection unit	—	《VA55U》			《VB75U》		
	Injection stroke	in	《2.51》	《2.83》	《2.83》	《3.77》	《5.11》	《4.40》
	Screw diameter	in (mm)	《0.62》 (16)	《0.70》 (18)	《0.78》 (20)	《0.78》 (20)	《0.94》 (24)	《1.10》 (28)
	Theoretical injection capacity	in³	《0.78》	《1.11》	《1.38》	《1.84》	《3.58》	《4.20》
	Injection rate	in³/s	《3.68》	《4.65》	《5.75》	《5.75》	《8.28》	《11.27》
	Max. injection speed	in/s	《11.81》			《11.81》		
	Max. injection holding pressure	psi	《36984》	《36984》	《36984》	《36984》	《34954》	《25671》
	Max. injection holding pressure	psi	《36984》	《36984》	《34228》	《36984》	《31473》	《23206》
	Recovery rate (PS)	oz/s	《0.10》	《0.14》	《0.17》	《0.17》	《0.35》	《0.57》
	Screw revolution speed	min <sup>-1</sup>	《500》			《500》		
	Nozzle pressing force	U.S.ton	1.1					
Clamping	Clamping system	—	Toggle					
	Clamping force	U.S.ton	90					
	Clamping stroke	in	11.02					
	Min. mold height	in	5.91 {9.26}					
	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	661×2 {330×4}					
	Max. higher mold-half weight	lb	396					
	Table diameter	in	47.24					
	Ejector force	U.S.ton	2.9					
	Ejector pin projection	in	2.55					
	Others	Heater capacity	kW	《1.98》	《2.28》	《2.58》	《2.98》	《3.45》
Mold height motor output		kW	0.4					
Nozzle touch motor output		kW	0.2					
Machine dimension (W×L)		in	55.08×96.26					
Machine dimension (H)		in	《116.85》	《118.81》	《120.43》	《119.77》	《120.28》	《123.35》
Power source		—	Three phase AC200V±10% 50Hz / AC200V±10%60Hz / 230V±10% / 60Hz					
Main breaker capacity		A	《75》 <50>					
Total electric capacity		kVA	《18》			《20》		
Cable size		in²	《0.03》 <0.01>			《0.03》 <0.01>		
Air supply plumbing joint		in	Rc3/8					
Air supply pressure※1		psi	52.21 {58.02}					
Required air content※2		ft³/min	0.23 {0.25}					
Machine weight	U.S.ton	《5.8》			《5.8》			

- 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.
  - These values may be lowered by screw diameter if install the screw of the standard material.
  - 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 400V class (a transformer (Option) is necessary for the machine) values.
  - Figures in { } are 4 station to specifics.
  - Figures in [ ] are optional.
  - Figures in 《 》 are numerical value except the standard ejection unit.

※1 It is a necessary air supply pressure level. Please supply it to become than a pressure level.

※2 It is a calculated value at use ambient temperature 68°F.