

1 PLASTAR ET-110 II VR2 Specifications

Injection	Injection system	—	In-line screw					
	Injection unit	—	《VC150U》			VD150U		
	Injection stroke	in	《4.41》	《5.78》	《5.03》	5.03	《5.66》	《5.66》
	Screw diameter	In(mm)	《0.94》 (24)	《1.10》 (28)	《1.25》 (32)	1.25 (32)	《1.41》 (36)	《1.57》 (40)
	Theoretical injection capacity	oz	《1.71》	《3.05》	《3.47》	3.47	《4.95》	《6.11》
	Injection rate	in³/s	《8.23》	《11.22》	《14.70》	12.25	《14.27》	《19.16》
	Max. injection speed	in/s	《11.81》			《9.84》		
	Max. injection holding pressure	psi	《36984》	《34954》	《26831》	36984	《33358》	《26831》
	Max. injection holding pressure	psi	《36984》	《31473》	《24221》	36984	《30022》	《24221》
	Recovery rate (PS)	oz/s	《0.24》	《0.40》	《0.60》	0.60	《0.87》	《1.10》
	Screw revolution speed	min⁻¹	《350》			350		
	Nozzle pressing force	U.S.ton	1.1					
	Clamping	Clamping system	—	Toggle				
Clamping force		U.S.ton	110					
Clamping stroke		in	11.22					
Min. mold height		in	7.87					
Max. mold height		in	13.77					
Max. die plate size (H×V)		in	19.68×19.68		22.63×17.12			
Max. lower mold-half weight		lb	881×2					
Table diameter		in	55.11					
Ejector force		U.S.ton	2.9					
Ejector stroke		in	2.55					
Others		Heater capacity	kW	《3.45》	《5.50》	《5.85》	5.85	《6.50》
	Mold height motor output	kW	0.4					
	Nozzle touch motor output	kW	《0.2》			0.4		
	Machine dimension (W×L)	in	59.06×105.10					
	Machine dimension (H)	in	《125.79》	《125.83》	《127.72》	140.40	《140.40》	《145.91》
	Power source	—	Three phase AC200V/200, 220V±10% 50Hz/60Hz					
	Main breaker capacity 200V Class 【400VClass※1】	A	100 【50】					
	Total electric capacity	kVA	《25》			26		
	Cable size 200V Class 【400VClass※1】	in²	0.06 【0.02】					
	Air supply plumbing joint	in	Rc3/8					
	Air supply pressure※2	psi	52.21 【58.02】					52.21 【72.52】
	Required air content※3	ft³/min	0.23 【0.25】					0.23 【0.28】
	Machine weight	U.S.ton	《7.6》			8.2		

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 optional.
- 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℉ degrees Celsius.