

1 PLASTAR ET-165 II VR2/4 Specifications

Injection	Injection system	—	In-line screw				
	Injection unit	—	VD150U			《VE300U》	
	Injection stroke	in	5.03	《5.66》	《5.66》	《6.29》	《7.24》
	Screw diameter	in (mm)	1.25 (32)	《1.41》 (36)	《1.57》 (40)	《1.57》 (40)	《1.81》 (46)
	Theoretical injection capacity	in³	6.28	《8.94》	《11.04》	《12.26》	《18.66》
	Injection rate	in³/s	12.26	《15.52》	《19.17》	《13.80》	《18.25》
	Max. injection speed	in/s	9.84			《7.08》	
	Max. injection pressure	psi	36984	《33358》	《26831》	《33358》	《29877》
	Max. injection holding pressure	psi	36984	《30022》	《24221》	《33358》	《29877》
	Recovery rate (PS)	oz/s	0.60	《0.87》	《1.10》	《0.78》	《1.19》
	Screw revolution speed	min ⁻¹	350			《250》	
	Nozzle pressing force	U.S. ton	1.1			《1.6》	
Clamping	Clamping system	—	Toggle				
	Clamping force	U.S. ton	165				
	Clamping stroke	in	12.00				
	Min. mold height	in	11.62				
	Max. mold height	in	20.07				
	Max. die plate size (H×V)	in	22.04×22.04 25.59×19.09				
	Max. lower mold-half weight	lb	1102×2 551×4				
	Table diameter	in	64.96				
	Ejector force	U.S. ton	3.9				
	Ejector pin projection	in	2.95				
	Others	Heater capacity	kW	5.85	《6.50》	《7.95》	《7.95》
Mold height motor output		kW	0.74				
Nozzle touch motor output		kW	0.4			《0.74》	
Machine dimension (W×L)		in	69.69×117.52				
Machine dimension (H)		in	155.48	《155.48》	《160.99》	《167.13》	《172.52》
Power source		—	Three phase AC200V/200 , 230V±10% 50Hz/60Hz				
Main breaker capacity 200V Class 【400VClass※1】		A	150 【100】				
Total electric capacity		kVA	32			《43》	
Cable size 200V Class 【400VClass※1】		in²	0.09 【0.03】			《0.15》 【0.05】	
Air supply plumbing joint		in	Rc3/8				
Air supply pressure※2		psi	55.21 【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	13.3			《13.8》	

- 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.
 - 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 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°F.