

## Si-20 V Specifications

Screw diameter		in(mm)	0.62(16)	0.70(18)	0.78(20)
Injection stroke		in	2.51	2.83	
Theoretical injection capacity		in <sup>3</sup>	0.79	1.09	1.40
Injection capacity (PS)		oz	0.43	0.60	0.77
Injection	Injection unit	-	B55CU		
	Injection rate	in <sup>3</sup> /s	3.66	4.63	5.73
	Max. injection speed	in/s	11.81		
	Max. injection pressure	psi	34111	34111	29137
	Max. injection holding pressure	psi	34111	31269	28426
	Injection unit	-	-		
	Injection rate	in <sup>3</sup> /s	-		
	Max. injection speed	in/s	-		
	Max. injection pressure	psi	-		
	Max. injection holding pressure	psi	-		
	Injection unit	-	-		
	Injection rate	in <sup>3</sup> /s	-		
	Max. injection speed	in/s	-		
	Max. injection pressure	psi	-		
	Max. injection holding pressure	psi	-		
	Injection unit	-	BH150CU		
Injection rate	in <sup>3</sup> /s	6.16	7.75	9.58	
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/s	0.10	0.14	0.17	
Screw revolution speed	min <sup>-1</sup>	500			
Heater capacity	kW	2.05	2.28	2.58	
Nozzle pressing force	U.S.ton	1.1			
Clamping system	-	Double toggle			
Clamping force	U.S.ton	20			
Clamping stroke	in	7.08			
Min. mold height	in	3.94			
Max. mold height	in	12.20			
Tie bar clearance (H×V)	in	10.23×10.23			
Die plate size (H×V)	in	14.56×14.56			
Ejector force	U.S.ton	0.55			
Ejector stroke	in	1.96			
Mold height motor output	kW	0.04			
Nozzle touch motor output	kW	0.10			
Machine dimension <L>	in	B55CU: 99.27 BH150CU: 101.24	B55CU: 100.91 BH150CU: 102.87	B55CU: 102.52 BH150CU: 104.49	
Machine dimensions <W×H>	in	33.86×57.68			
Power source	-	Three-phase AC200V/200, 230V±10% 50Hz/60Hz			
Main breaker capacity	A	75			
Total electric capacity	kVA	B55CU: 9 BH150CU: 20			
Cable size	in <sup>2</sup>	0.03【0.01】			
200V Class【400V Class ※1】					
Machine weight	U.S.ton	1.3			

## 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 pressures.
- 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.