



Moulding Your Future

High Speed Injection Blow Moulding Machine

Technical Data : IB Series



SMC Machine Model	Unit	60IB	65IB	85IB		
General Specification						
Injection Mould Clamping Force	kN	600	600	700		
Blow Mould Clamping Force	kN	95	95	200		
Standard Trigger Bar Length	mm	395	500	765		
Swing Radius	mm	475	570	650		
Machine Center of Pressure	mm	390	440	465		
Dry Cycle Time*	sec	3	3	3		
Mould Dimension						
Mould Width (Max.)	mm	320	420	460		
Mould Length (Max.)	mm	530	620	840		
Mould Thickness (Min.)	mm	254	254	254		
Injection Mould Opening	mm	160	160	160		
Blow Mould Opening	mm	160	160	160		
Injection Unit						
Screw Diameter	mm	50	50	60		
Ration Length / Diameter	L/D	21	21	21		
Theoretical Shot Volume*	cm ³	320	320	510		
Maximum Shot Weight (PS)*	g	270	270	470		
Number of Heating Zone	no.	5	5	5		
Energy Consumption						
Hydraulic Pump Motor	kW	44.00	44.00	67.00		
Heating Capacity (Max.)	kW	12.20	14.20	22.00		
Total Connected Load	kW	56.20	58.20	89.00		
Average Power Consumption*	kW	33.72	34.92	53.40		
Average Air Consumption	NL/min	450	450	850		
Required Air Pressure (Min.)	bar	8 - 10	8 - 10	8 - 10		
Hydraulic System Cooling*	kcal/hr	22700	22700	34395		
Cooling System Pressure	bar	2 - 3	2 - 3	2 - 3		
Machine Dimension*						
Machine Width	mm	3400	4000	4500		
Machine Length	mm	1560	1920	2000		
Machine Height	mm	1950	2185	2300		
Machine Weight	kg	6000	7000	8000		
Moulding Utilization						
No. of Cavity	60 IB		65 IB		85 IB	
	Center Distance (mm)	Max. Article Size (D x H)	Center Distance (mm)	Max. Article Size (D x H)	Center Distance (mm)	Max. Article Size (D x H)
4 Cavities	95	80x100	115	100x160	165	150x180
6 Cavities	65	50x100	95	80x100	115	100x160
8 Cavities	55	40x80	65	50x100	90	75x150
10 Cavities	45	35x65	55	40x80	70	55x150
12 Cavities	37	25x65	45	30x80	65	50x120
14 Cavities			35	23x60	55	40x100
16 Cavities					50	35x100

Remark : * Estimated Values only



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