

SMC Tailor-Made Machines

For container ranging from 5 liters to 100 liters

XL, LTC, LDTC, DMA Series – Technical Data



SMC Machine Model	Unit	5000XL	30LTC	30LDTC	30DMA
General Specification					
Capacity / Article Size	ml	Up to 5000	Up to 30000	Up to 30000	Up to 30000
Carriage Stroke	mm	360	800	800	1100
Clamping Force	kN	120	300	300	300
High Pressure	bar		150-170	150-170	150
Mould Dimensions (W x L x T)*	mm	410x510x260	780x650x450	780x650x450	600x700x450
Daylight Opening (Min/Max)	mm	240/540	440/950	440/950	440/950
Dry Cycle	sec	6	8	18	20
Extrusion Head					
Accumulator Single Head	litre	1.5	4	6	6
Continuous Single Head	mm	as per request	as per request	as per request	as per request
Extruder Unit with Inverter Drive					
Screw Diameter	mm	80	90	120	120
Length / Diameter Ratio	L/D	24	24	24	24
Number of Heating Zones	No.	3	5	5	5
Screw Speed (Max)	rpm	75	75	75	75
Hydraulic Unit					
Oil Tank Capacity	litre	180	600	800	600
Accumulator	litre	20	4	10	32+10
Energy Consumption with Inverter Drive					
Electric Screw Motor	kW	45	55	90	90
Main Drive Power	kW	15.00	45.00	45.00	30.00
Total Connected Load	kW	82.50	180	180	165
Average Power Consumption**	kW	49.50	108.00	108.00	99.00
Average Air Consumption	NL/min	1600	2800	5000	4000
Required Air Pressure (Min)	bar	6	6	6	6
Mould Cooling System (Chiller)	ton	7			10
Cooling System Pressure	bar	2-3	2-3	2-3	2-3
Hydraulic System Cooling**	kcal/hr	7500	19700	26800	18500
Machine Dimensions					
Machine Width***	mm	1580	3100	4400	5360
Machine Length***	mm	3080	4900	5600	5650
Machine Height***	mm	2450	4000	4000	4400
Machine Weight***	kg	8700	20000	25000	20000

Remark: *Mould dimension including the water cooling connection

**Final values may vary as all are made to order

***Machine dimension excluding auto-punch and accessories

