



## TC & DTC SERIES



SMC Machine Model	Unit	1000TC	1000DTC	2000TC	2000DTC	3000TC	3000DTC	5000TC	5000DTC
<b>General Specification</b>									
Clamping Movement		Horizontal	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal
Capacity / Article Size	ml	Up to 1000	Up to 1000	Up to 2000	Up to 2000	Up to 3000	Up to 3000	Up to 5000	Up to 5000
Clamping Force	kN	30	30	50	50	120	120	120	120
Operating Pressure	bar	100	100	100	100	100	100	100	100
Mould Dimensions (W x L x T)	mm	380 x 300 x 120	380 x 300 x 120	480 x 350 x 160	480 x 350 x 160	580 x 400 x 260	580 x 400 x 260	630 x 400 x 260	630 x 400 x 260
Daylight Opening (Min/Max)	mm	110/360	110/360	150/450	150/450	250/550	250/550	250/550	250/550
Dry Cycle	sec	3.5	5.5	4	6	6	8	6	8
<b>Extrusion Die Head Center Distance (CD)</b>									
2 Cavities	mm	120	120	160	160	180	180	250	250
3 Cavities	mm	85	85	100	100	160	160	180	180
4 Cavities	mm	65	65	85	85	120	120	140	140
6 Cavities	mm	-	-	65	65	85	85	85	85
8 Cavities	mm	-	-	-	-	65	65	65	65
<b>Extruder Unit with Inverter Drive</b>									
Screw Diameter	mm	52	60	60	70	70	80	80	90
Length / Diameter Ratio	L/D	24	24	24	24	24	24	24	24
Number of Heating Zones	No.	3	3	3	3	3	3	3	5
Screw Speed (Max)	rpm	75	75	75	75	75	75	75	75
<b>Hydraulic Unit</b>									
Oil Tank Capacity	litre	150	200	200	200	200	400	300	400
Accumulator	litre	4	10	10	20	20	32	32	32
<b>Energy Consumption (Inverter Drive)</b>									
Electric Screw Motor	kW	22	22	30	30	37	45	45	45
Main Drive Power	kW	7.5	7.5	7.5	11	15	18.5	15	18.5
Barrel Heater	kW	7	8	8	11	12	13	18	18
Heating Capacity (Max)	kW	16.50	21.90	22.00	29.00	29.00	33.50	33.50	39.50
Total Connected Load	kW	41.00	51.40	52.50	70.00	72.50	97	97.00	103.00
Average Power Consumption*	kW	27.60	30.84	35.70	42.00	50.70	58.20	58.20	61.80
Estimated Power Consumption*	kW	10.57	17.34	15.30	21.17	18.32	25.09	36.36	38.93
Average Air Consumption	NL/min	1250	1800	1600	2400	1700	2700	1700	2700
Required Air Pressure (Min)	bar	6	6	6	6	6	6	6	6
Cooling System Pressure	bar	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3
Hydraulic System Cooling*	kcal/hr	5200	5200	6000	8000	11050	13500	11050	13500
<b>Machine Dimensions</b>									
Machine Width*	mm	1850	2100	2100	2500	2675	3350	2725	3450
Machine Length*	mm	4500	4500	4500	4500	5300	5300	5300	5300
Machine Height*	mm	2800	2800	2800	2800	3500	3500	3500	3500
Machine Weight*	kg	7000	9300	8500	10500	11000	13200	12000	14400

Remark : \*Estimated Values only