

TG & DTG SERIES



SMC
Machine
Model

Unit	3000TG	3000DTG	5000TG	5000DTG	10000TG	10000DTG
General Specification						
Clamping Movement	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal
Capacity / Article Size	ml Up to 3000	Up to 3000	Up to 5000	Up to 5000	Up to 10000	Up to 10000
Clamping Force	kN 180	180	180	180	220	220
Operating Pressure	bar 100	100	120	120	120	120
High Pressure	bar 150	150	150	150	180	180
Mould Dimensions (W x L x T)	mm 580 x 400 x 260	580 x 400 x 260	630 x 400 x 260	640 x 400 x 260	780 x 400 x 260	780 x 400 x 260
Daylight Opening (Min/Max)	mm 250/550	250/550	250/550	250/550	250/650	250/650
Dry Cycle	sec 4	6	6	8	10	10
Extrusion Die Head Center Distance (CD)						
2 Cavities	mm 180	180	250	250	300	300
3 Cavities	mm 160	160	180	180	200	200
4 Cavities	mm 120	120	140	140	180	180
6 Cavities	mm 85	85	85	85	100	100
8 Cavities	mm 65	65	65	65	85	85
Extruder Unit with Inverter Drive						
Screw Diameter	mm 70	80	80	90	100	120
Length / Diameter Ratio	L/D 24	24	24	24	24	24
Number of Heating Zones	No. 3	3	3	5	5	5
Screw Speed (Max)	rpm 75	75	75	75	75	75
Hydraulic Unit						
Oil Tank Capacity	litre 300	400	550	600	550	600
Accumulator	litre 20 + 4	32 + 4	32 + 4	50 + 4	32 + 4	50 + 4
Energy Consumption (Inverter Drive)						
Electric Screw Motor	kW 37	45	45	45	45	75
Main Drive Power	kW 18.5 + 11	22 + 11	37	45	37	45
Hydraulic Pump	Gpm/min 17	24	30	48.64	30	48.64
Barrel Heater	kW 18.00	18.00	18.00	22.50	30	35
Heating Capacity (Max)	kW 26.80	37.20	37.20	43.70	27.7	60.98
Total Connected Load	kW 85.80	104.20	115.20	133.70	130.20	180.98
Average Power Consumption*	kW 51.48	62.52	57.60	80.22	78.12	108.58
Estimated Power Consumption*	kW 36.60	49.04	51.00	54.17	43.07	71.04
Average Air Consumption	NL/min 1800	2400	2600	3200	2600	3200
Required Air Pressure (Min)	bar 6	6	6	6	6	6
Cooling System Pressure	bar 2-3	2-3	2-3	2-3	2-3	2-3
Hydraulic System Cooling*	kcal/hr 21500	25000	28200	33000	28200	33000
Machine Dimensions						
Machine Width*	mm 2675	3350	2725	3450	3100	3750
Machine Length*	mm 5300	5300	5300	5300	5900	7000
Machine Height*	mm 3500	3500	3500	3500	3500	3500
Machine Weight*	kg 11500	13500	12700	15000	14000	18000

Remark : *Estimated Values only