



T & DST SERIES



SMC
Machine
Model

Unit 350T 350DST 1000T 1000DST 2000T 2000DST 3000T 3000DST 3000DSTL 5000T 5000DST

General Specification

| | | | | | | | | | | | | |
|------------------------------|-----|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Clamping Movement | | Inclined | Inclined | Inclined | Inclined | Inclined | Inclined | Inclined | Inclined | Inclined | Inclined | Inclined |
| Capacity / Article Size | ml | Up to 500 | Up to 500 | Up to 1000 | Up to 1000 | Up to 2000 | Up to 2000 | Up to 3000 | Up to 3000 | Up to 3000 | Up to 5000 | Up to 5000 |
| Clamping Force | kN | 14 | 14 | 16 | 16 | 25 | 25 | 40 | 40 | 40 | 120 | 120 |
| Operating Pressure | bar | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 100 | 100 |
| Mould Dimensions (W x L x T) | mm | 240 x 170 x 80 | 240 x 170 x 80 | 280 x 260 x 120 | 280 x 260 x 120 | 300 x 320 x 160 | 300 x 320 x 160 | 360 x 350 x 200 | 360 x 350 x 200 | 440 x 300 x 160 | 480 x 420 x 260 | 480 x 420 x 260 |
| Daylight Opening (Min/Max) | mm | 75/225 | 75/225 | 115/300 | 115/300 | 155/355 | 155/355 | 190/445 | 190/445 | 155/355 | 240/540 | 240/540 |
| Dry Cycle | sec | 3 | 5 | 3.5 | 5.5 | 4 | 6 | 4 | 6 | 6 | 6 | 8 |

Extrusion Die Head Center Distance (CD)

| | | | | | | | | | | | | |
|------------|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|
| 2 Cavities | mm | 85 | 85 | 85 | 85 | 120 | 120 | 120 | 140 | 140 | 160 | 160 |
| 3 Cavities | mm | 70 | 70 | 85 | 85 | 85 | 85 | 100 | 100 | 120 | 120 | 120 |
| 4 Cavities | mm | - | - | 60 | 60 | 65 | 65 | 85 | 85 | 100 | 100 | 100 |
| 6 Cavities | mm | - | - | - | - | - | - | - | - | 65 | 65 | 65 |

Extruder Unit with Inverter Drive

| | | | | | | | | | | | | |
|-------------------------|-----|----|----|----|----|----|----|----|----|----|----|----|
| Screw Diameter | mm | 38 | 45 | 45 | 52 | 52 | 60 | 60 | 70 | 80 | 70 | 90 |
| Length / Diameter Ratio | L/D | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Number of Heating Zones | No. | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 5 |
| Screw Speed (Max) | rpm | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |

Hydraulic Unit

| | | | | | | | | | | | | |
|-----------------------------------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Oil Tank Capacity (Inv/Hyd motor) | litre | 110/110 | 200/200 | 180/200 | 170/300 | 170/300 | 170/400 | 250/400 | 250/400 | 200/380 | 180/400 | 300/400 |
| Accumulator | litre | 4 | 4 | 4 | 4 | 4 | 10 | 10 | 20 | 20 | 20 | 20 |

Energy Consumption (Inverter Drive)

| | | | | | | | | | | | | |
|------------------------------|---------|------|-------|------|------|-------|-------|-------|-------|-------|-------|-------|
| Electric Screw Motor | kW | 11 | 15 | 15 | 18.5 | 18.5 | 22 | 22 | 30 | 45 | 30 | 45 |
| Main Drive Power | kW | 4 | 4 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 15 | 18.5 |
| Barrel Heater | kW | 4.8 | 6 | 5.2 | 10.8 | 6.6 | 9.6 | 9.6 | 10.8 | 15.6 | 10.8 | 15.6 |
| Heating Capacity (Max) | kW | 6 | 7.2 | 7.8 | 10 | 10.5 | 11 | 10 | 11 | 16.5 | 11 | 18.2 |
| Total Connected Load | kW | 21.3 | 26.5 | 30.6 | 36.3 | 36.8 | 40.8 | 40.5 | 49.9 | 70.4 | 59.5 | 81.7 |
| Average Power Consumption* | kW | 11.5 | 14.2 | 16.7 | 19.8 | 20.1 | 22.1 | 21.9 | 26.5 | 37.3 | 35.7 | 49.1 |
| Estimated Power Consumption* | kW | 6.09 | 12.86 | 8.95 | 10.4 | 14.88 | 14.88 | 15.66 | 15.83 | 23.77 | 24.22 | 43.63 |
| Average Air Consumption | NL/min | 500 | 800 | 900 | 1400 | 1100 | 1650 | 1400 | 2250 | 2500 | 1500 | 2500 |
| Required Air Pressure (Min) | bar | 6 | 6 | 6 | 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 | 2-3 | 2-3 | 2-3 |
| Hydraulic System Cooling* | kcal/hr | 4000 | 5200 | 5600 | 5600 | 6000 | 7200 | 7200 | 8500 | 8500 | 11050 | 13600 |

Machine Dimensions

| | | | | | | | | | | | | |
|-----------------|----|------|------|------|------|------|------|------|-------|-------|-------|-------|
| Machine Width* | mm | 1085 | 1810 | 1280 | 2075 | 1400 | 2225 | 1630 | 2510 | 2900 | 1827 | 3110 |
| Machine Length* | mm | 2105 | 2350 | 2850 | 2900 | 3055 | 3055 | 3270 | 3300 | 3565 | 3750 | 3875 |
| Machine Height* | mm | 2000 | 2000 | 2200 | 2330 | 2400 | 2400 | 2400 | 2600 | 2600 | 3000 | 3000 |
| Machine Weight* | kg | 4100 | 4800 | 7600 | 8500 | 8000 | 9400 | 9000 | 11500 | 12000 | 10000 | 14000 |

Remark: *Estimated Values only