



Moulding Your Future

High Speed Blow Moulding Machine

Technical Data : TC & DTC (Horizontal Carriage Movement)



| SMC Machine Model | Unit | 1000TC | 1000DTC | 2000TC | 2000DTC | 3000TC | 3000DTC | 5000TC | 5000DTC |
|--|---------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|
| General Specification | | | | | | | | | |
| 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 |
| Mould Dimensions (W x L x T) | mm | 330x300x120 | | 480x350x160 | | 580x400x260 | | 630x400x260 | |
| Daylight Opening (Max) | mm | 360 | | 450 | | 550 | | 550 | |
| Dry Cycle* | sec | 3.5 | 5.5 | 4 | 6 | 6 | 8 | 6 | 8 |
| Extrusion Die Head Center Distance (CD) | | | | | | | | | |
| 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 | 85 | 85 |
| Extruder Unit with Inverter Drive | | | | | | | | | |
| Screw Diameter | mm | 52 | 60 | 60 | 70 | 70 | 80 | 80 | 90 |
| Length/Diameter Ratio | L/D | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| No. of Heating Zones | no. | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Hydraulic Unit | | | | | | | | | |
| Oil Tank Capacity | liter | 150 | 200 | 200 | 200 | 200 | 400 | 300 | 400 |
| Operating Pressure | bar | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| Energy Consumption | | | | | | | | | |
| Electric Screw Motor | kW | 22.00 | 30.00 | 30.00 | 37.00 | 37.00 | 45.00 | 45.00 | 45.00 |
| Main Drive Power | kW | 7.5 | 7.5 | 7.5 | 7.5 | 18.5 | 22 | 22 | 22 |
| 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 | 52.40 | 52.50 | 62.50 | 72.50 | 89.60 | 91.00 | 93.50 |
| Average Power Consumption* | kW | 27.60 | 35.64 | 35.70 | 44.10 | 50.70 | 60.30 | 60.30 | 63.90 |
| Average Air Consumption | NL/min | 1250 | 1800 | 1600 | 2450 | 1700 | 2700 | 1700 | 2700 |
| Required Air Pressure (Min.) | bar | 6 - 8 | 6 - 8 | 6 - 8 | 6 - 8 | 6 - 8 | 6 - 8 | 6 - 8 | 6 - 8 |
| Hydraulic System Cooling* | kcal/hr | 5200 | 5200 | 5500 | 8000 | 7738 | 9458 | 11350 | 16214 |
| Cooling System Pressure | bar | 2 - 3 | 2 - 3 | 2 - 3 | 2 - 3 | 2 - 3 | 2 - 3 | 2 - 3 | 2 - 3 |
| Machine Dimension | | | | | | | | | |
| Machine Width* | mm | 1850 | 2100 | 2100 | 2100 | 2675 | 3350 | 2725 | 3450 |
| Machine Length* | mm | 3200 | 3200 | 3500 | 3500 | 5300 | 5300 | 5300 | 5300 |
| Machine Height* | mm | 2100 | 2100 | 2100 | 2100 | 2100 | 2100 | 2100 | 2100 |
| Machine Weight* | kg | 4000 | 7000 | 6000 | 8000 | 8000 | 11000 | 10000 | 12000 |

Remark : * Estimated Values only



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