

MARS SERIES SERVO HYDRAULIC INJECTION MOLDING MACHINE

MA 3200/1700

Metric Datasheet

| INJECTION UNIT | A | B | C |
|------------------------------|--------|--------|--------|
| Screw diameter (mm) | 60 | 65 | 70 |
| Screw L/D ratio | 21.7 | 20 | 18.6 |
| Shot size (theoretical) | 792 | 929 | 1078 |
| Injection weight (g - PS) | 721 | 845 | 981 |
| Injection rate (g/sec) | 277 | 325 | 377 |
| Injection Pressure (Mpa) | 213 | 181 | 156 |
| Plasticizing capacity (Kg/h) | 121.32 | 137.52 | 161.64 |
| Screw speed (rpm) | | 240 | |

| CLAMP UNIT | | | |
|-----------------------------|-----|------|-----|
| Clamp tonnage (kN) | | 3200 | |
| Toggle stroke (mm) | | 640 | |
| Mold platen dimensions (mm) | 990 | x | 990 |
| Space between tie bars (mm) | 680 | x | 680 |
| Max. mold height (mm) | | 680 | |
| Min. mold height (mm) | | 250 | |
| Max. daylight (mm) | | 1320 | |
| Ejector stroke (mm) | | 160 | |
| Ejector force (kN) | | 62 | |
| Ejector number (pcs) | | 13 | |

| OTHERS | | | | |
|-------------------------------------|-----|---|-------|--------|
| Heater power (kW) | | | 20.85 | |
| Adjusted pressure (Mpa) | | | 14 | |
| Pump motor power (kW) | | | 37 | |
| Machine dimensions (l x w x h) (mm) | 6.9 | x | 1.91 | x 2.08 |
| Machine weight (metric tons) | | | 13 | |
| Hopper capacity (kg) | | | 50 | |
| Oil tank capacity (liters) | | | 730 | |

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English Datasheet

| INJECTION UNIT | A | B | C |
|----------------------------------|-------|-------|-------|
| Screw diameter (in) | 2.36 | 2.56 | 2.76 |
| Screw L/D ratio | 21.7 | 20 | 18.6 |
| Shot size (theoretical) (cu. Cm) | 792 | 929 | 1078 |
| Injection weight (oz. - PS) | 25.43 | 29.81 | 34.60 |
| Injection rate (oz./sec) | 9.77 | 11.46 | 13.30 |
| Injection Pressure (psi) | 30894 | 26252 | 22626 |
| Plasticizing capacity (oz./sec) | 1.19 | 1.35 | 1.58 |
| Screw speed (rpm) | | 240 | |

| CLAMP UNIT | A | B | C |
|-----------------------------|-------|-------|-------|
| Clamp tonnage (US tons) | | 360 | |
| Toggle stroke (in) | | 25.20 | |
| Mold platen dimensions (in) | 38.98 | x | 38.98 |
| Space between tie bars (in) | 26.77 | x | 26.77 |
| Max. mold height (in) | | 26.77 | |
| Min. mold height (in) | | 9.84 | |
| Max. daylight (in) | | 51.97 | |
| Ejector stroke (in) | | 6.30 | |
| Ejector force (US tons) | | 7.0 | |
| Ejector number (pcs) | | 13 | |

| OTHERS | A | B | C |
|-------------------------------------|-----|-------|----|
| Heater power (kW) | | 20.85 | |
| Adjusted pressure (psi) | | 2031 | |
| Pump motor power (kW) | | 37 | |
| Machine dimensions (l x w x h) (in) | 273 | x | 76 |
| Machine weight (lbs) | | 28665 | |
| Hopper capacity (lbs) | | 110 | |
| Oil tank capacity (gals) | | 193 | |

