

REED TG SERIES Specifications

200TG

10.5 OZ. 2½"
20 OZ.

Thermoplastic Material Capacity		
Plasticating rate, lbs./hr.	376	412
Theoretical max. usable output	312	342
SPI Quality		
Plasticating rate, oz./sec.¹		
Theoretical max. usable output	1.67	1.83
SPI Quality ⁴	1.39	1.52
Material injected per shot, cu. in., max.	19.2	36.8
Material injected per shot, max. oz. styrene	10.5	20
Material hopper capacity, lbs.	100	150
Reciprocating Screw Injection Unit		
Maximum injection pressure, psi	14101/20664	14400/21025
Maximum injection rate, cu. in./sec.	25.66/7.51	25.14/17.21
Maximum injection stroke, in.	6.12	7.5
Maximum screw speed, rpm	314	176
Mold Clamping Mechanism		
Mold clamping force, tons		200
Hydraulic ejection force, tons		5.39
Mold clamping stroke, in.		19
Maximum mold thickness, in.		19
Minimum mold thickness, in.		5.375
Maximum mold size (horiz. x vert.), in.		19.625 x 29.5
Platen size (horiz. x vert.) in.		29.5 x 29.5
Space between tie bars, in.		19.625
Diameter of tie bars, in.		3.50
Maximum daylight opening, in.		37.26
Rated projected area, sq. in. ³		100
Ejection stroke (std.), in.		4.25
Speeds at Full Stroke		
Minimum dry cycle time—link end, sec.	2.4	2.4
Clamp closing speed, max., in./min.	1835	1835
Clamp opening speed, max., in./min.	1645	1645
General Specifications		
Machine system pressure, psi	2500	2500
Machine drive motor, h.p.	30	30
Heater band power, max. kw with nozzle option	11.2	18.3
Oil reservoir capacity, gal.	110	110
Machine dimensions: Length	15'10 1/2"	17'1 1/2"
Width	5'9"	5'9"
Height	6'10"	7'3"
Machine weight, lbs. (est.)	15,500	16,500

Notes:

1. Recovery rate, expressing instantaneous rates, based on Styrene @ 420° F. melt temperature.
2. SPI Strain gage certified.
3. Dependent upon mold design and plastic material used.
4. Values for 2½" unit are test values. All others are extrapolated from 2½" values.