

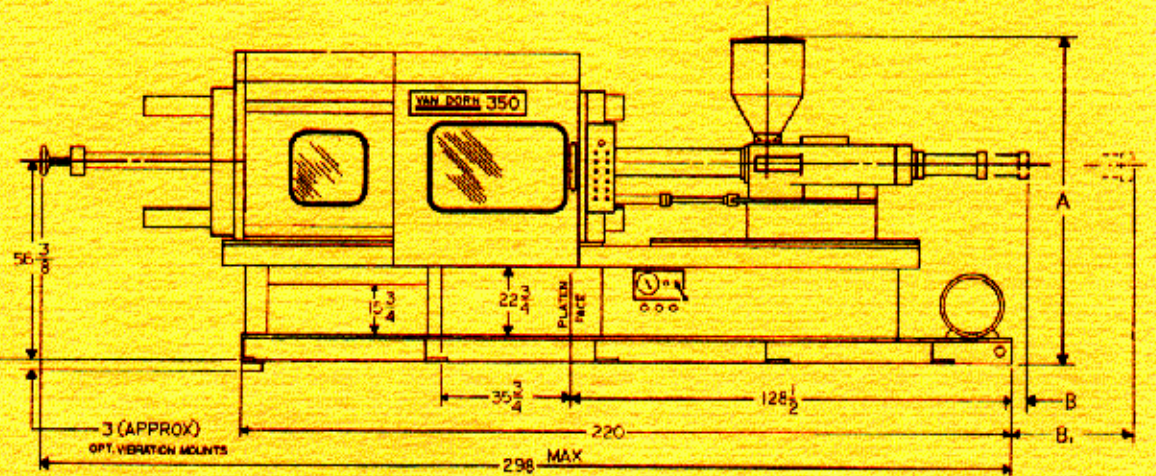
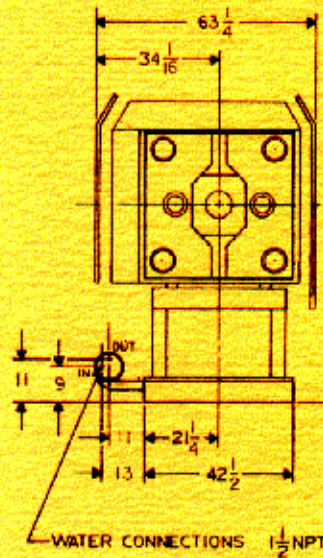
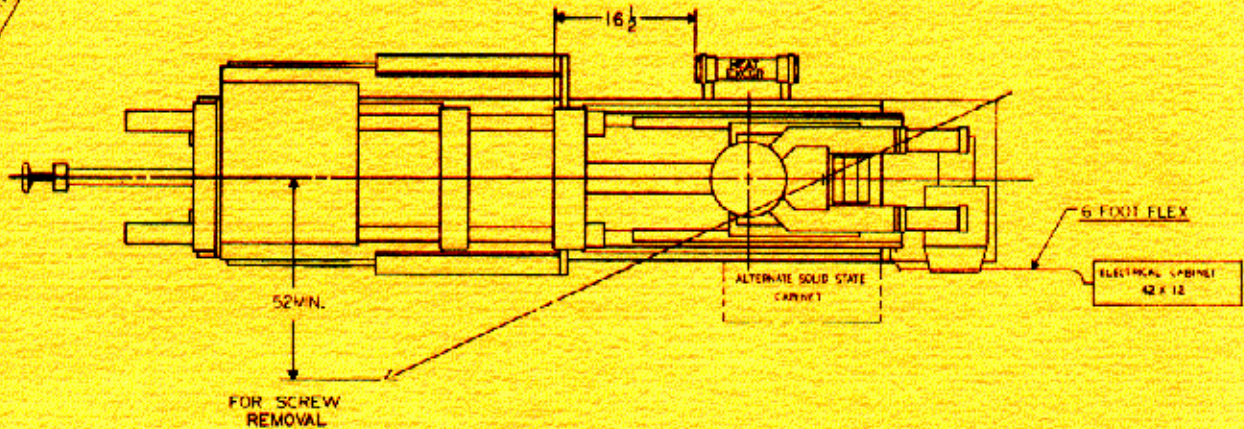
VAN DORN®

TOGGLE CLAMP

350-RS-20/30/35/60F

MACHINE	A	B	B ₁
350-RS-30F	93 1/4	3 3/8	36 1/4
350-RS-35F	93 1/4	4 1/4	41 1/2
350-RS-60F	97 5/8	29 7/8	—

STANDARD BARREL
VENTED BARREL



Injection Unit

	20F	30F	35F	60F
Inject Capacity—Calculated (cu. in.)	37.6	55.3	65.2	111.5
Inject Capacity—G.P. Polystyrene (Oz.)*	20	30	35	60
Recovery Rate—G.P. PS (oz./sec.)†	2.00	2.20	2.45	2.95
Injection Pressure—Max. (p.s.i.)	19,900	19,800	17,500	20,400
Inject Rate—at 10,000 p.s.i. (cu. in./sec.)	24.0	25.0	28.0	25.0
Inject Stroke (in.)	9.50	10.75	11.25	14.31
Screw Diameter (in.)	2.24	2.56	2.72	3.15
Barrel L/D Ratio	20:1	20:1	20:1	20:1
Screw Speed Range (R.P.M.)	30-300	30-235	30-235	30-200
Back Press. Adjust (screw rotating—p.s.i.)	75-300	75-300	75-300	75-300

General Specifications

Pump Motor—Hydraulic System (HP)	50	50	50	75
System Pressure (p.s.i.)	2000	2000	2000	2000
Total Heating Wattage (KW)	13.9	13.9	16.5	18.8
Number of Heat Control Zones	4	4	4	4
Comb. Pump Capacity (G.P.M. @ 100 p.s.i.)	66	66	66	69
Oil Capacity (Gal.)	160	160	160	160
Hopper Capacity (Lb.)	145	145	145	225
Machine Weight (Lb. approx.)	31,000	31,200	31,500	32,500
Machine Dimensions—Length (ft.)	25.6	25.6	26.0	26.0
—Width (ft.)	5.0	5.0	5.0	5.0
—Height (ft.)	7.8	7.8	7.8	8.0

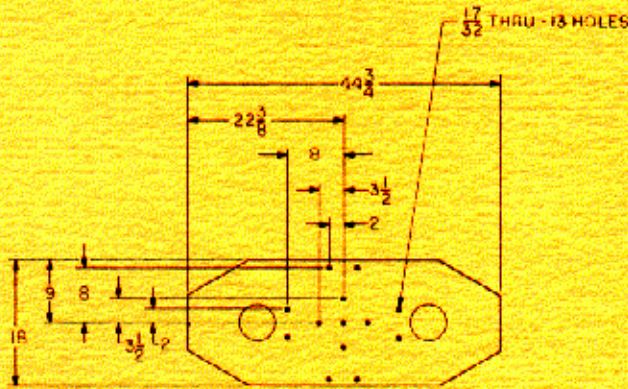
Clamping Unit

	20/30 35F	60F
Clamp Force (tons)	350	350
Clamp Stroke—Adjustable (in.)	11-24.5	11-24.5
Open Daylight—Max. (in.)	48.5	48.5
Mold Thickness—Min./Max. (in.)	8-24	8-24
Platen Size Standard—HxV (in.)	40 x 41.37	40 x 41.37
Dist. Between Rods—Std. HxV (in.)	27 x 27	27 x 27
Tie Rod Diameter (in.)	4.5	4.5
Clamp Speeds:		
Closing (in./sec.)	21	22
Opening (in./sec.)	30	31
Ejector Force (tons)	11.7	11.7
Ejector Stroke (in.)	6	6

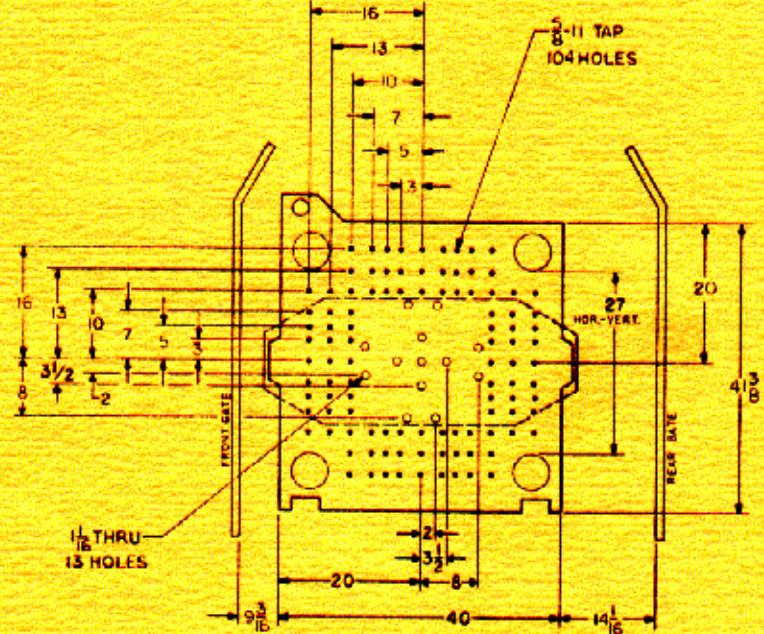
* Dependent upon mold, material and conditions.

† Average value based on S.P.I. test procedures.

Since continuous improvement is Van Dorn's policy, we reserve the right to change specifications, designs and performance data without prior notice or obligation.



HYD. K.O. PLATE



MOVABLE PLATEN

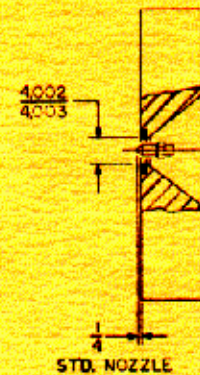
350-RS-20/30/35/60F

Van Dorn's fluid drive, or F-Series, toggle clamp machines feature hydraulically driven screws that generate high-quality homogeneous melts at high rates. Stable screw speeds and precise, infinitely variable back pressure control are features contributing to outstanding molding output.

Add faster set-ups, improved molding speeds and minimal maintenance and you have the injection molding capability molders identify with the name, Van Dorn.

STANDARD FEATURES

- Large part removal clearance • Purge guard with interlock
- Swing away material hopper • Integral-base drip pan • Full-floating hardened toggle pins • Automatic oil lubrication.



STATIONARY PLATEN

VAN DORN®

Committed to the future of plastics

VAN DORN PLASTIC MACHINERY CO., / A Division of Van Dorn Company

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