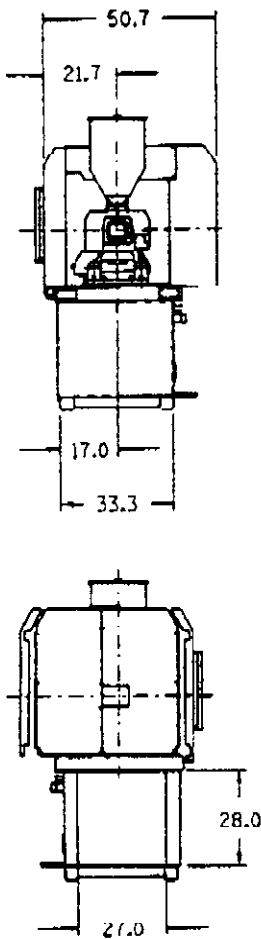
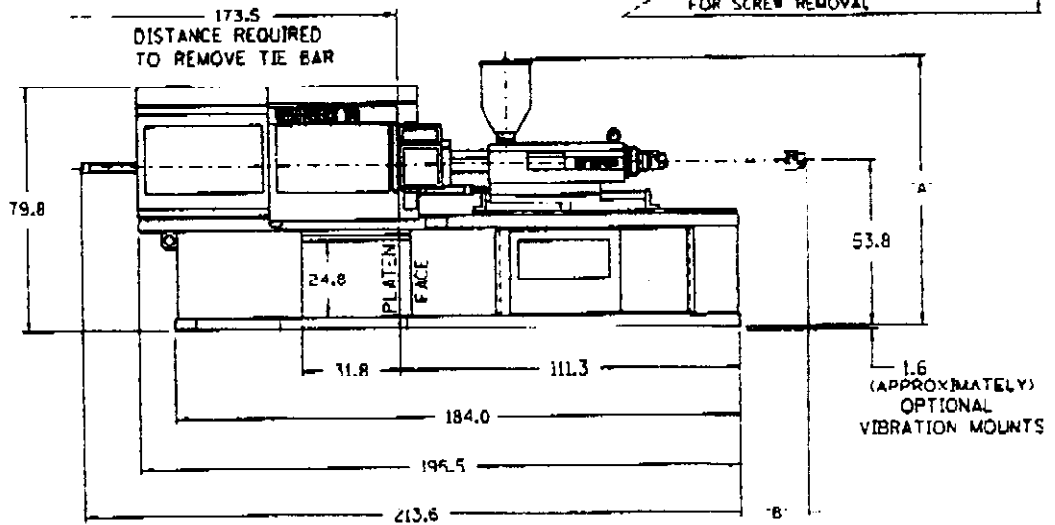
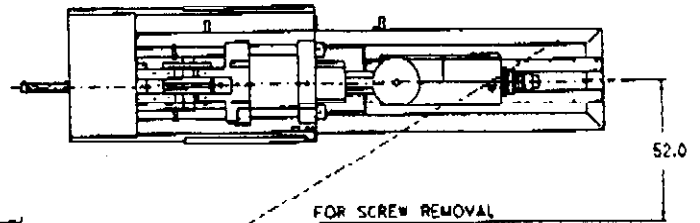


VAN DORN®

HT SERIES TOGGLE CLAMP 170-RS-8/14/20F



	A	*B*
STANDARD BARREL		
8F	88.00	
14F	91.35	22.70
VENTED BARREL		
8F	88.00	19.74
14F	91.35	50.79
HIGH PRESSURE		
6.2F	88.00	---
9F	91.35	15.57



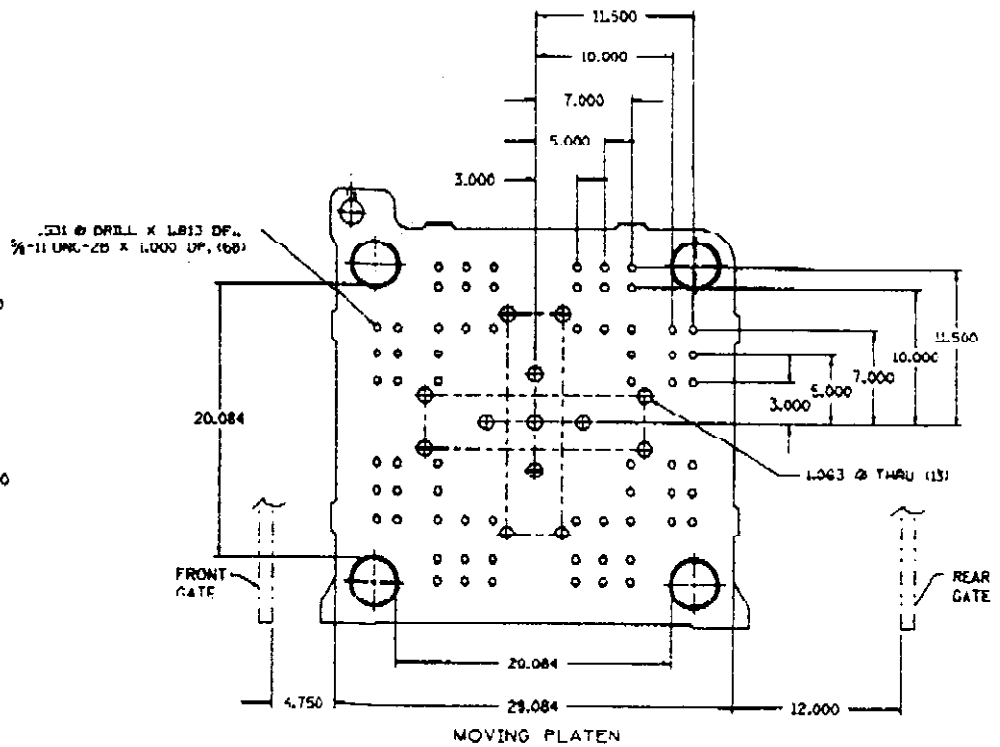
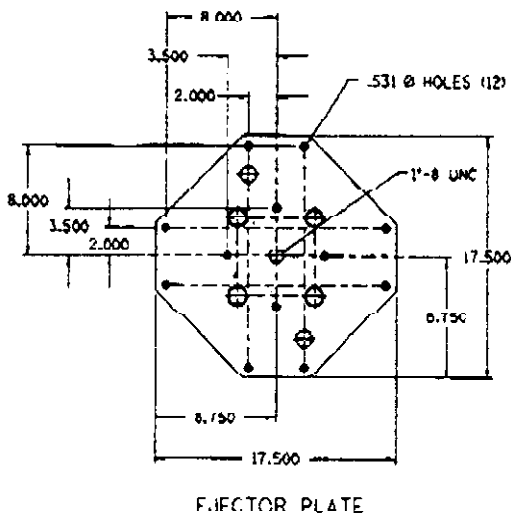
INJECTION UNIT		170-RS 8F	170-RS 14F	170-RS 20F
Inject Capacity—Calculated	(cu. in.)	14.8	27.0	40.0
Inject Capacity—G.P. Polystyrene	(oz.)*	8	14	20
Recovery Rate—G.P. Polystyrene	(oz./sec.)†	1.05	1.50	1.66
Injection Pressure—Max.	(p.s.i.)	20,000	20,000	20,000
Inject Rate—at 10,000 p.s.i.	(cu.in./sec.)	16.0	16.0	15.0
Inject Stroke	(in.)	7.62	8.88	10.12
Screw Diameter	(in.)	1.58	1.97	2.24
Screw Diameter	(mm)	40	50	57
Barrel L/D Ratio		20:1	20:1	20:1
Screw Speed Range	(R.P.M.)	30-450	30-325	30-250
Back Press Adjust (screw rotating)	(p.s.i.)	75-900	75-900	75-900
CLAMPING UNIT				
Clamp Force	(tons)	170	170	170
Clamp Stroke—Adjustable	(in.)	17	17	17
Open Daylight—Max.	(in.)	35	35	35
Mold Thickness—Min./Max.	(in.)	6-18	6-18	6-18
Platen Size—HxV	(in.)	30.5 X 32	30.5 X 32	30.5 X 32
Dist. Between Rods—HxV	(in.)	20 X 20	20 X 20	20 X 20
Tie Rod Diameter	(in.)	3.25	3.25	3.25
Clamp Speeds:	Closing	(in./sec.)	26	26
	Opening	(in./sec.)	36	36
Ejector Force	(tons)	5.0	5.0	5.0
Ejector Stroke	(in.)	4.0	4.0	4.0
POWER				
Pump Motor, Hydraulic System	(HP)	25	25	25
Power (Supply)	(V)	460	460	460
Total Heating Wattage	(KW)	8.9	15.5	18.2
Number of Heat Control Zones		4	4	4

CONTROL	170-RS 8F	170-RS 14F	170-RS 20F
Multi-Microprocessor W/Display Screen	Yes	Yes	Yes
Closed Loop Process Control	Yes	Yes	Yes
Control Voltage	(V)	110	110
Control Voltage (Solenoids)	(Vdc)	24	24
HYDRAULIC			
Variable Volume Pump Type	Piston	Piston	Piston
Screw Motor Type (14 oz. & 20oz. - Dual Torque)	Piston	Piston	Piston
GENERAL SPECIFICATIONS			
System Pressure	(p.s.i.)	2,000	2,000
Comb. Pump Capacity (@ 100 p.s.i.)	(G.P.M.)	44	44
Oil Capacity	(Gal.)	85	85
Hopper Capacity	(lb.)	85	145
Machine Weight	(lb. approx.)	17,600	18,000
Machine Dimensions:	Length	(ft.)	17.8
	Width	(ft.)	4.5
	Height	(ft.)	7.3

* 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.



STANDARD FEATURES

Injection Unit

- In-line injection unit, non-rotating piston
- Radial piston screw drive motor, dual torque (20 oz. only)
- Screw speed tachometer with digital set and display
- Cold screw startup protection
- Sprue break with 2 selectable sequences and OFF
- Screw pullback before and/or after screw rotate
- Pivoting injection unit
- Swing-away hopper

Clamp Unit

- Hardened steel toggle pins
- Self-lubricating bushings requiring only periodic lubrication
- Adjustable moving platen supports on hardened steel ways
- Full SPI knockout pattern
- Multiple eject sequences
- Pushbutton, motorized die height and tonnage adjustment with automatic power lock
- Ratchet type safety stop bar

Hydraulics

- Energy efficient variable volume pump system
- Proportional and cartridge valve hydraulics
- 24 V DC solenoids

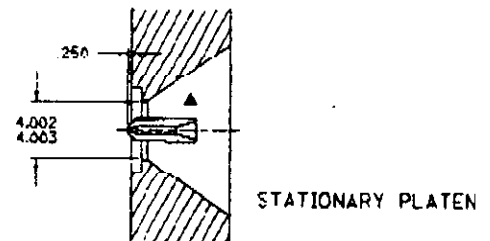
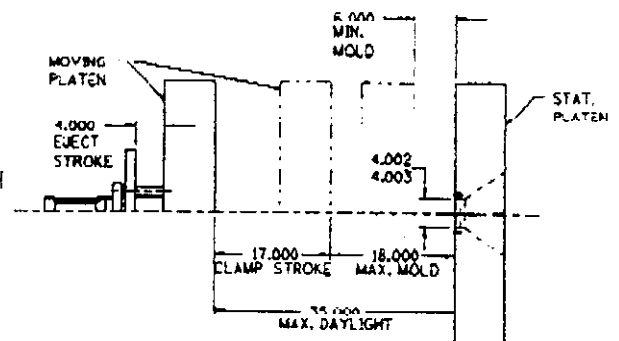
General

- Closed-loop oil temperature control
- High oil temperature and low oil level alarms
- Selectable oil preheat sequence
- Full-time oil filtration with alarm
- Large 3-way part drop area

Control

- Multi-microprocessor system
- Closed-loop process control
- PID temperature control
- Self-diagnostics with automatic troubleshooting
- Precision position sensing for clamp, inject, and eject
- Digital setup of all speeds, pressures, and positions

See brochure for available options.



VAN DORN®

Committed to the future of plastics

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

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