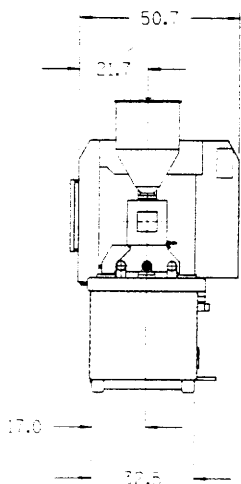
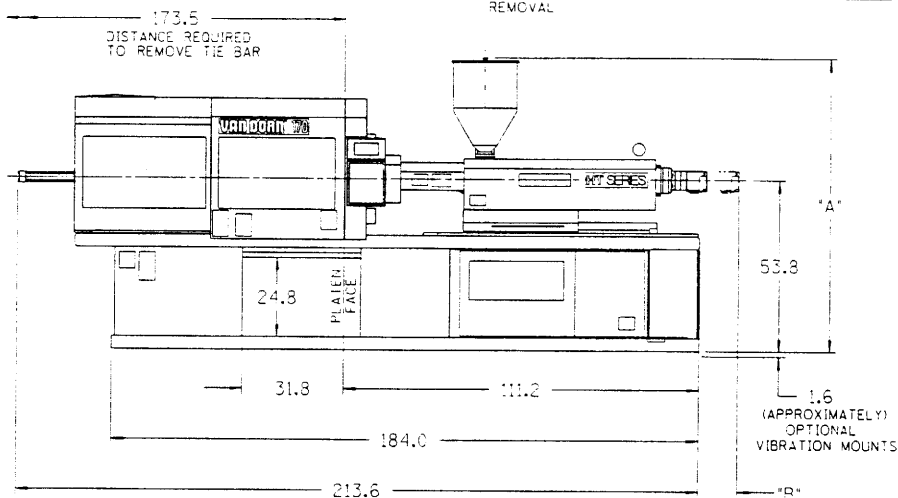
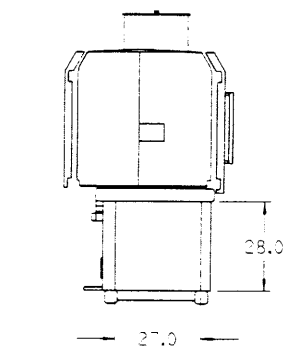
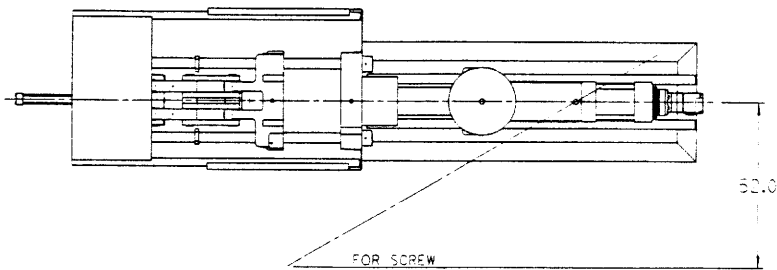


VAN DORN®

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



	A	*B*
STANDARD BARREL		
8F	88.000	
14F	91.35	22.707



INJECTION UNIT		170-RS 8F	170-RS 14F
Inject Capacity—Calculated	(cu. in.)	14.8	27.0
Inject Capacity—G.P. Polystyrene	(oz.)*	8	14
Recovery Rate—G.P. Polystyrene	(oz./sec.)+	1.00	1.50
Injection Pressure—Max.	(p.s.i.)	20,000	20,000
Inject Rate—at 10,000 p.s.i.	(cu.in./sec.)	16.0	16.0
Inject Stroke	(in.)	7.62	8.88
Screw Diameter	(in.)	1.58	1.97
Screw Diameter	(mm)	40	50
Barrel L/D Ratio		20:1	20:1
Screw Speed Range	(R.P.M.)	30-430++	30-325
Back Press Adjust (screw rotating)	(p.s.i.)	75-300	75-300
CLAMPING UNIT			
Clamp Force	(tons)	170	170
Clamp Stroke—Adjustable	(in.)	17	17
Open Daylight—Max.	(in.)	35	35
Mold Thickness—Min./Max.	(in.)	6-18	6-18
Platen Size—HxV	(in.)	29 x 29	29 X 29
Dist. Between Rods—HxV	(in.)	20 X 20	20 x 20
Tie Rod Diameter	(in.)	3.25	3.25
Clamp Speeds:	Closing	(in./sec.)	26
	Opening	(in./sec.)	38
Ejector Force	(tons)	5.0	5.0
Ejector Stroke	(in.)	4.0	4.0
POWER			
Pump Motor, Hydraulic System	(HP)	25	25
Power (Supply)	(V)	460	460
Total Heating Wattage	(KW)	8.0	16.7
Number of Heat Control Zones		4	4

CONTROL		170-RS 8F	170-RS 14F
Multi-Microprocessor W/Display Screen		Yes	Yes
Closed Loop Process Control		Yes	Yes
Control Voltage	(V)	110	110
Control Voltage (Solenoids)	(Vdc)	24	24
HYDRAULIC			
Variable Volume Pump Type		Piston	Piston
Screw Motor Type (14 oz.- Dual Torque)		Gear	Gear
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.)	14,600	15,000
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.

++ Higher torque motor available with lower R.P.M. and recovery rate.

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