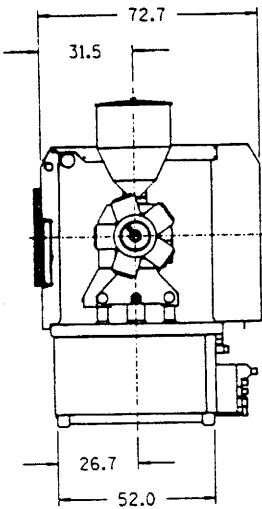
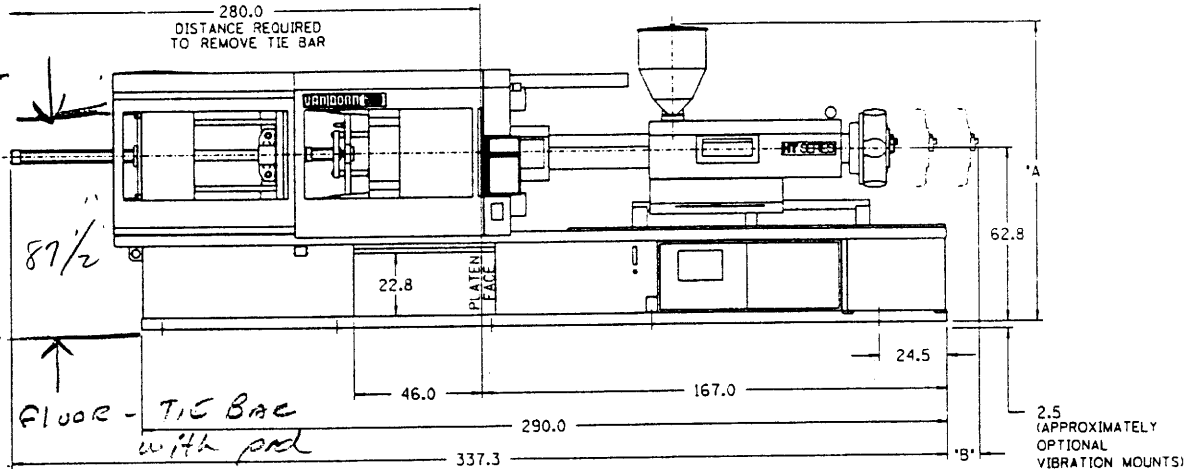
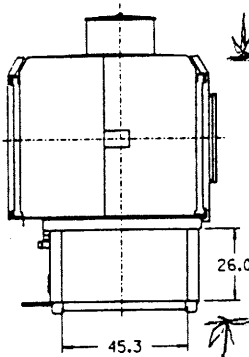
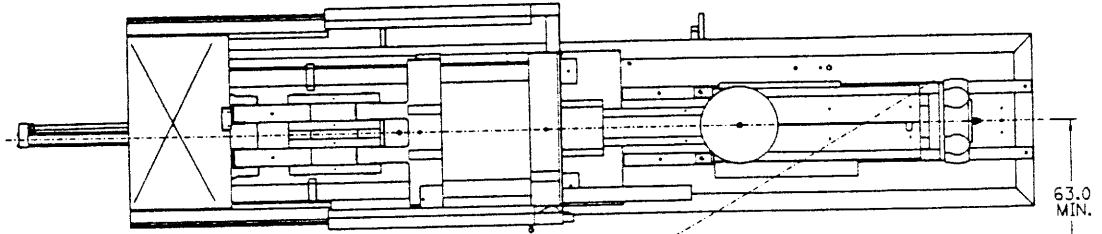


VAN DORN®

HT SERIES TOGGLE CLAMP 500-RS-30/48/60F



		'A'	'B'
STANDARD BARREL	30F	102.5	-----
	48F	102.5	7.5
	60F	108.3	11.7
VENTED BARREL	30F	102.5	25.8
	60F	108.3	55.8



INJECTION UNIT	500-RS-48F	500-RS-60F	500-RS-80F	500-RS* 40.1F HPI	500-RS* 54F HPI
Inject Capacity-Calculated (cu in)	89.0	111.5	144.2	73.6	100.1
Inject Capacity-G.P. Ps (oz)**	48	60	80	40.1	54.0
Recovery Rate-G.P. Ps (oz/sec)+	3.65	3.05	3.35	1.90	2.35
Injection Pressure-Max. (p.s.i.)	20,000	20,400	20,100	30,000	28,900
Inject Rate-@ 10,000 p.s.i. (cu in/sec)	43.5	42.5	43.5	28.0	30.0
Inject Stroke (in)	13.00	14.31	14.62	14.31	14.62
Screw Diameter (in)	2.95	3.15	3.54	2.56	2.95
Screw Diameter (mm)	75	80	90	65	75
Barrel L/D Ratio	20:1	20:1	20:1	20:1	20:1
Screw Speed Range (rpm)	30-270	30-210	30-175	30-210	30-175
Back Press (screw rotating) (psi)	75-300	75-300	75-300	75-300	75-300
CLAMPING UNIT					
Clamp Force (tons)	500	500	500	500	500
Clamp Stroke-Adjustable (in)	30	30	30	30	30
Open Daylight-Max. (in)	59	59	59	59	39
Mold Thickness-Min./Max. (in)	10/29	10/29	10/29	10/29	10/29
Platen Size-H & V (in)	47.8	47.8	47.8	47.8	47.8
Dist. Between Rods-H & V (in)	32.5	32.5	32.5	32.5	32.5
Tie Rod Diameter (in)	5.5	5.5	5.5	5.5	5.5
Clamp Speeds: Closing (in/sec)	25	25	25	25	25
Opening (in/sec)	33	33	33	33	33
Ejector Force (tons)	12.5	12.5	12.5	12.5	12.5
Ejector Stroke (in)	6.0	6.0	6.0	6.0	6.0
POWER					
Pump Motor, Hyd. System (HP)	75	75	75	75	75
Power (Supply) (V)	460	460	460	460	460
Total Heating Wattage (KW)	29.8	28.3	36.9	20.0	29.8
Number of Heat Zones	4	4	4	4	4

CONTROL	500-RS-48F	500-RS-60F	500-RS-80F	500-RS* 40.1F HPI	500-RS* 54F HPI
Multi-Microprocessor++	Yes	Yes	Yes	Yes	Yes
Closed Loop Process Control	Yes	Yes	Yes	Yes	Yes
Control Voltage (V)	110	110	110	110	110
Control Voltage (Sol.) (Vdc)	24	24	24	24	24
HYDRAULIC					
Variable Volume Pump Type	Piston	Piston	Piston	Piston	Piston
Screw Motor Type	Piston	Piston	Piston	Piston	Piston
GENERAL SPECIFICATIONS					
System Pressure (psi)	2,500	2,500	2,500	2,500	2,500
Comb. Pump Capacity +++ (gpm)	117	117	117	117	117
Oil Capacity (gal)	250	250	250	250	250
Hopper Capacity (lbs)	145	225	225	225	225
Machine Weight (lbs approx)	48,600	49,100	49,400	49,000	49,200
Machine Dimensions: Length: (ft)	28.7	29.1	30.5	28.7	29.2
Width: (ft)	6.3	6.3	6.3	6.3	6.3
Height: (ft)	8.5	9.0	9.2	8.7	9.2

* HPI Injection Units shown are high pressure injection units utilizing a 60 oz drive with 30 oz screw and barrel and an 80 oz drive with 48 oz screw and barrel, respectively. With the added stroke of the injection cylinder, the 30 oz screw becomes 40.1 oz and the 48 oz screw becomes 54 oz. Please note specifically the recovery rate and inject speed specification which may not be satisfactory for your needs.

** General purpose polystyrene. Dependent upon mold, material and conditions.

+ General purpose polystyrene. Average value based on S.P.I. test procedures.

++ With display screen

+++ At 100 psi

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