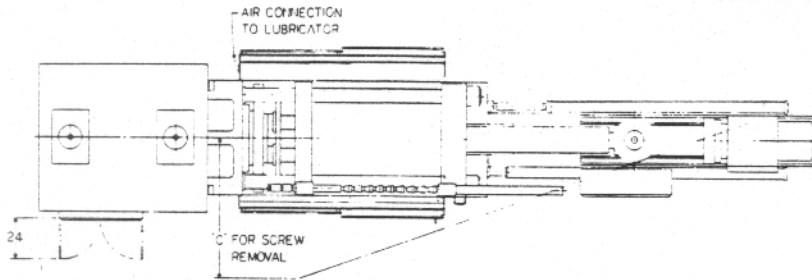


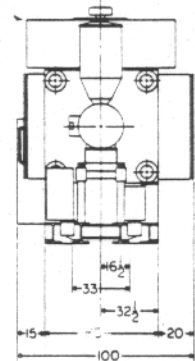
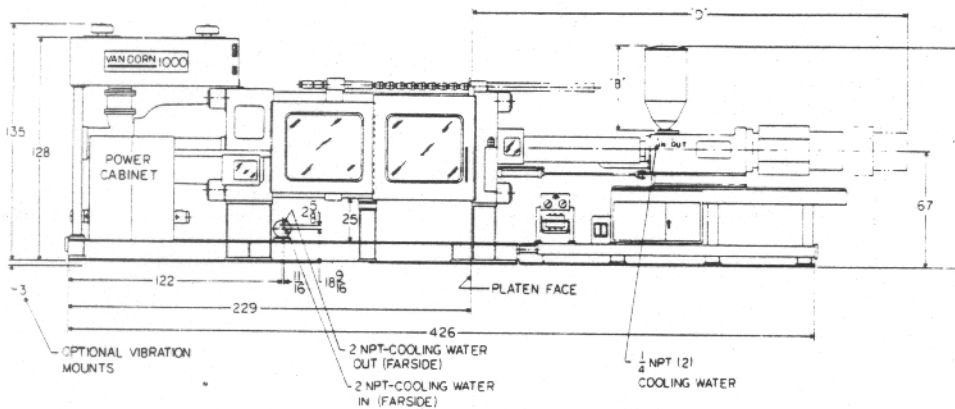
# VAN DORN®

## HP SERIES — HYDRAULIC CLAMP 1000H-RS-125/165/260F



MACHINE	STD. BARREL / VENTED BARREL				
	A	B	C	D	D
1000H-RS125F	108	33 1/2	72	204	282
1000H-RS165F	126	48	80	247	302
1000H-RS260F	127	48	94	279	300 *

\* 24:1 BARREL



### Injection Unit

	125F	165F	260F
Injection Capacity—Calculated (cu. in.)	224.8	298	466
Injection Capacity—G.P. Polystyrene (oz.)*	125	165	260
Recovery Rate—G.P. PS (oz./sec.)†	5.5	6.9	7.4
Injection Pressure—Max. (p.s.i.)	19,700	20,300	19,800
Injection Rate—at 10,000 p.s.i. (cu. in./sec.)	84	82	83
Injection Stroke (in.)	16.75	18.50	21.00
Screw Diameter (in.)	4.13	4.53	5.32
Barrel L/D Ratio	20:1	20:1	20:1
Screw Speed Range (R.P.M.)	120-200	20-180	20-140
Back Pressure Adjustment (screw rotating—p.s.i.)	75-300	75-300	75-300

### General Specifications

	125F	165F	260F
Pump Motor	2	2	2
Total H.P. (hydraulic system)	100 + 75	100 + 75	100 + 75
System Pressure (Inject/Clamp p.s.i.)	2000/2500	2000/2500	2000/2500
Total Heating Wattage (KW)	52.7	64.2	86.0
Number of Heat Control Zones	4	4	5
Combined Pump Capacity (G.P.M. @ 100 p.s.i.)	277	277	277
Oil Capacity (Gal.)	810	810	810
Hopper Capacity (lb.)	225	500	500
Machine Weight (lb. approx.)	135,000	135,600	136,000

### Clamping Unit

Clamp Force (tons)	1000
Clamp Opening Force (tons)	47
Clamp Stroke—Max. (in.)	50
Open Daylight—Max. (in.) with Ejector Box (& spacers) removed	92**
Mold Thickness—Min. (in.) with Ejector Box (& Spacers) installed	12**
Ejector Box Thickness (in.)	18
Ram Spacer Thickness (in.)	12
Platen Size—Standard—HxV (in.)	65 x 65
Dist. between Tie rods—Std. HxV (in.)	44 x 44
Dist. between Tie rods—Opt. HxV (in.)	52 x 44
Tie rod Diameter (in.)	8
Clamp Speeds: in./sec.	
Closing Fast	26
Closing Slow (Adjustable)	3
Opening Fast	24
Opening Slow	4.5
Ejector Force (tons)	20
Ejector Stroke (in.)	8
Ejector Speed: (in./sec.)	
Forward (Adjustable)	6.5
Retract	9.5

\*Dependent upon mold, material and conditions.

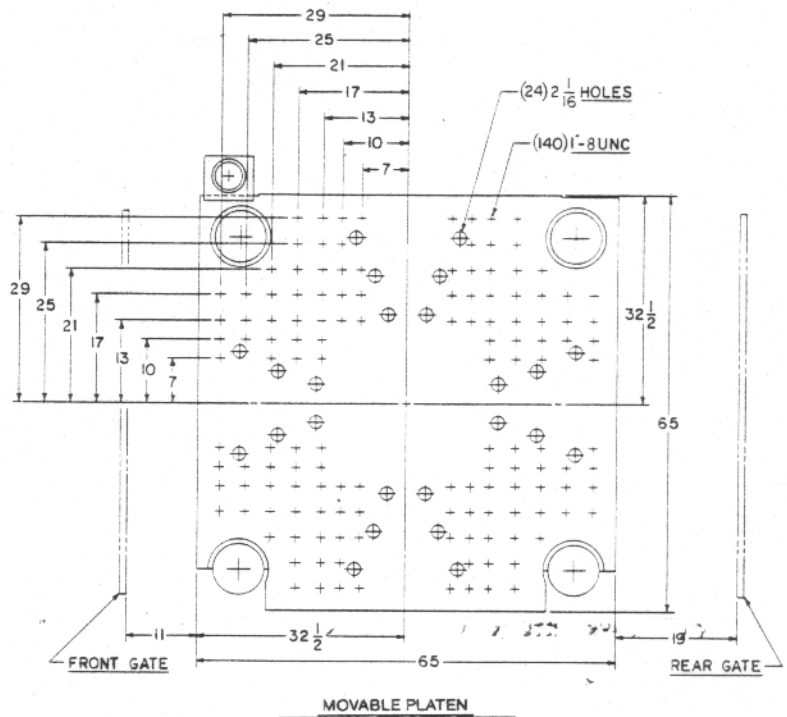
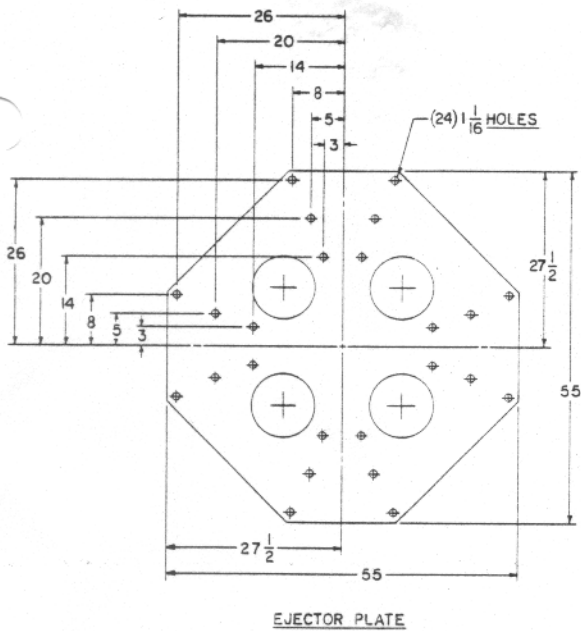
†Average value based on S.P.I. test procedures.

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

\*\*Extended Tie Bar Spacing option reduces minimum mold thickness and maximum open daylight by 1 1/2".

Since continuous improvement is Van Dorn's policy, we reserve the right to change

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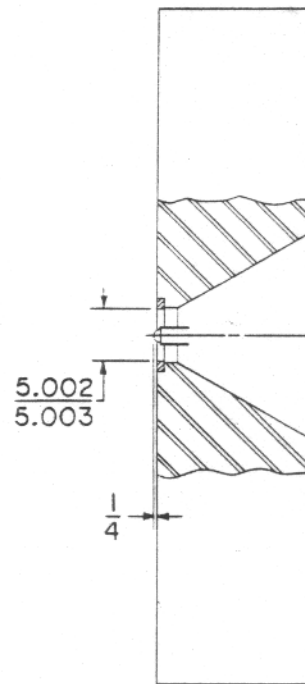
## 1000H—RS125/165/260F

The Van Dorn HP Series is a line of versatile high-performance hydraulic clamp injection molding machines. They offer as standard equipment features normally supplied as extra-cost options by other manufacturers. These features reduce set-up time, increase molding performance and provide new standards of operational safety.

Add Van Dorn's industry-wide reputation for machine dependability and you have what it takes to make molding profitable.

### STANDARD FEATURES

High injection rates • Large part removal clearance • Full SPI pattern hydraulic ejector • Boost cut-off limit switch • Rugged heavy-duty clamp • Vibration and hydraulic isolation for quiet operation • Purge guard with interlock • Swing-away material hopper.



**STATIONARY PLATEN**

# VAN DORN®

Committed to the future of plastics

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

11792 Alameda Dr. • Strongsville, Ohio 44136 • Write: P.O. Box 8849 • Strongsville, Ohio 44136 • Telephone: (216) 239-8960 • Telex: 980667