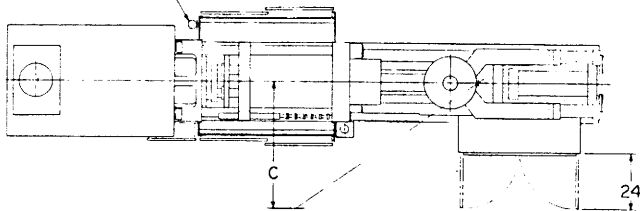


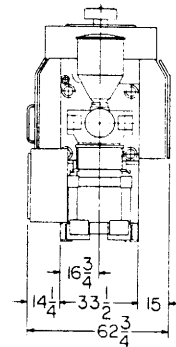
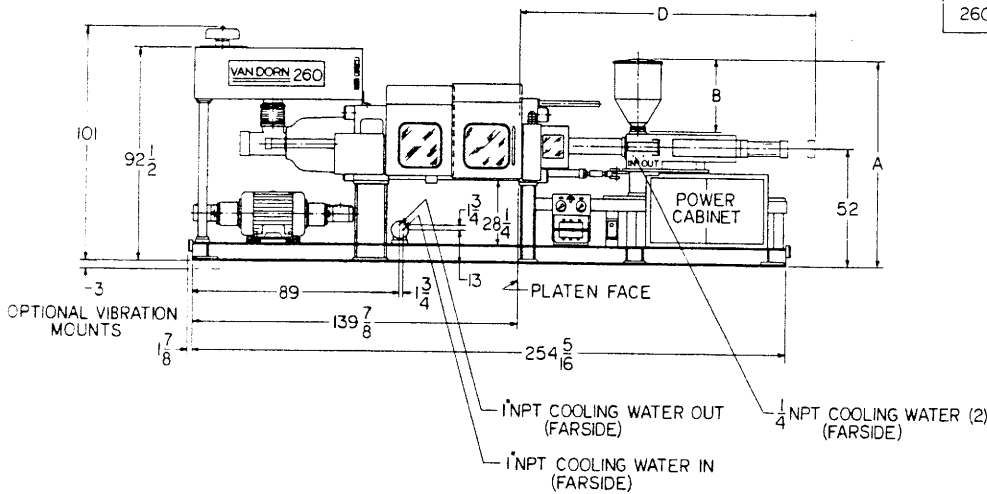
# VAN DORN®

## HP SERIES-HYDRAULIC CLAMP 260H-RS-14/20/30/35F

AIR CONNECTION  
TO LUBRICATOR



MACHINE	STD. BARREL		VENTED BARREL	
	A	B	C	D
260H-RS 14F	86 <sup>3</sup> / <sub>4</sub>	30 <sup>1</sup> / <sub>2</sub>	56	89 <sup>1</sup> / <sub>2</sub>
260H-RS 20F	86 <sup>3</sup> / <sub>4</sub>	30 <sup>1</sup> / <sub>2</sub>	56	137
260H-RS 30F	88	31 <sup>1</sup> / <sub>2</sub>	60	140
260H-RS 35F	88	31 <sup>1</sup> / <sub>2</sub>	60	181



### Injection Unit

	14F	20F	30F	35F
Inject Capacity—Calculated (cu. in.)	25.9	37.6	55.3	65.2
Inject Capacity—G.P. Polystyrene (Oz.)*	14	20	30	35
Recovery Rate—G.P. PS (oz./sec.)†	1.20	2.00	2.20	2.45
Injection Pressure—Max. (p.s.i.)	19,800	19,900	19,800	17,500
Inject Rate—at 10,000 p.s.i. (cu. in./sec.)	24.5	24.5	24.5	27.5
Inject Stroke (in.)	8.50	9.50	10.75	11.25
Screw Diameter (in.)	1.97	2.24	2.56	2.72
Barrel L/D Ratio	20:1	20:1	20:1	20:1
Screw Speed Range (R.P.M.)	30-250††	30-300††	30-235	30-235
Back Press. Adjust (screw rotating—p.s.i.)	75-300	75-300	75-300	75-300

### General Specifications

Pump Motors	1	1	1	1
Total Horsepower	60	60	60	60
System Pressure (p.s.i.)	2000/2500	2000/2500	2000/2500	2000/2500
Total Heating Wattage (KW)	11.7	13.9	13.9	16.3
Number of Heat Control Zones	4	4	4	4
Comb. Pump Capacity (G.P.M.@100 p.s.i.)	94	94	94	94
Oil Capacity (Gal.)	190	190	190	190
Hopper Capacity (Lb.)	145	145	145	145
Machine Weight (Lb. approx.)	27,600	27,820	28,040	28,370
Machine Dimensions—Length (ft.)	21.4	23.2	23.5	23.7
—Width (ft.)	5.2	5.2	5.2	5.2
—Height (ft.)	8.4	8.4	8.4	8.4

### Clamping Unit

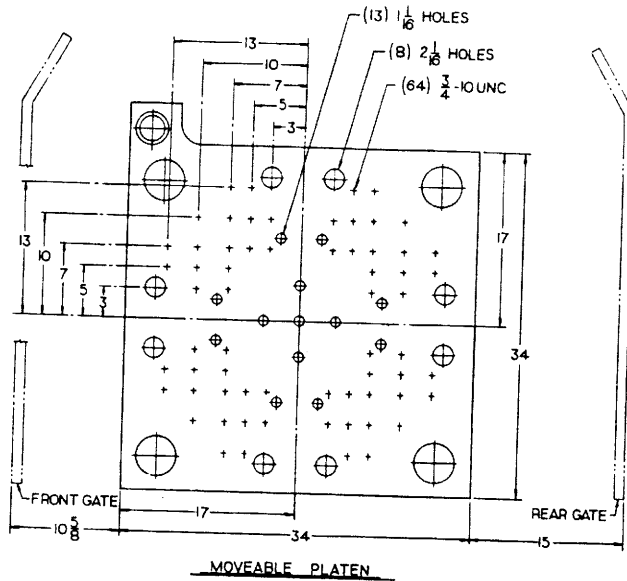
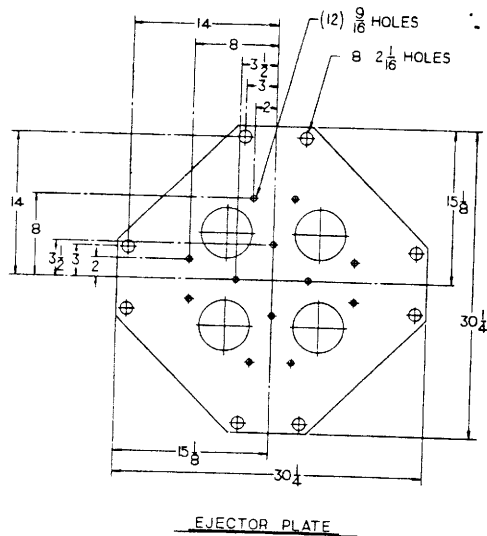
	14-30F	35F
Clamp Force (tons)	260	260
Clamp Opening Force (tons)	10.3	10.3
Clamp Stroke—Max.(in.)	29	29
Open Daylight—Max. (in.) with Ejector Box (& spacers) removed	44	44
Mold Thickness—Min. (in.) Ejector Box (& spacers) installed	6	6
Ejector Box Thickness (in.)	9	9
Ram Spacer Thickness (in.)	—	—
Platen Size—Standard—HxV (in.)	33.5 x 33.5	33.5 x 33.5
Dist. Between Rods—Std. HxV (in.)	23 x 23	23 x 23
Dist. Between Rods—Opt. HxV (in.)	27 x 27	27 x 27
Tie Rod Diameter (in.)	4	4
Clamp Speeds: (in./sec.)		
Closing Fast	26	26
Closing Slow (Adjustable)	3	3
Opening Fast	37	37
Opening Slow	4.5	4.5
Ejector Force (tons)	6.1	6.1
Ejector Stroke (in.)	4.5	4.5
Ejector Speed (in./sec.)		
Forward (adjustable)	8	8
Retract	11	11

\*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.



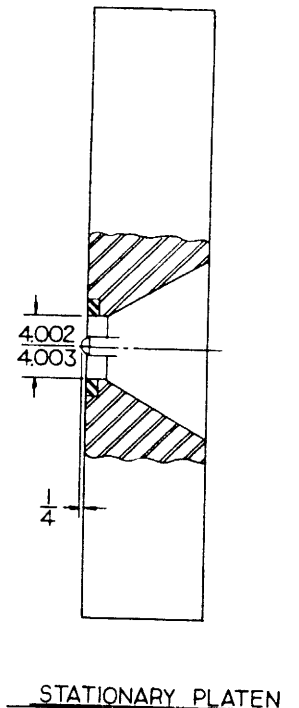
## 260H-RS-14/20/30/35F

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.



# 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) 238-8960 • Telex: 980667