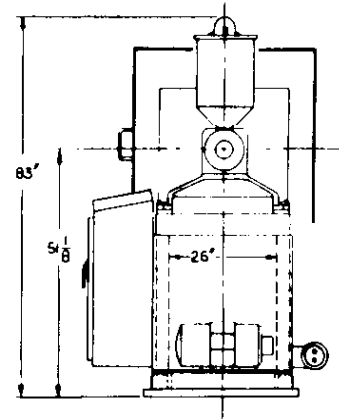
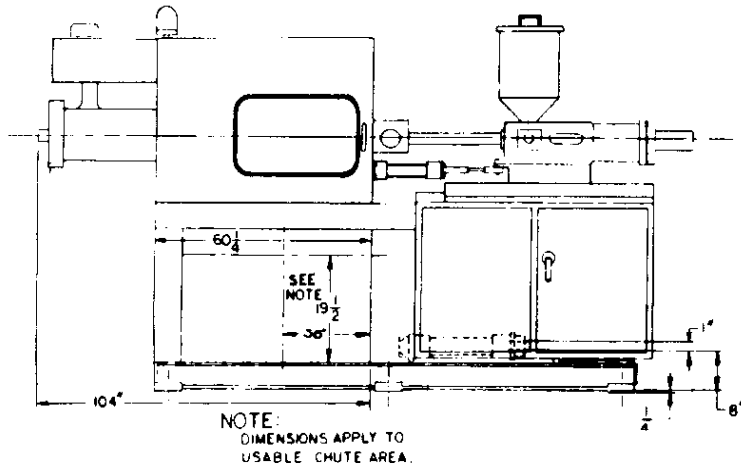
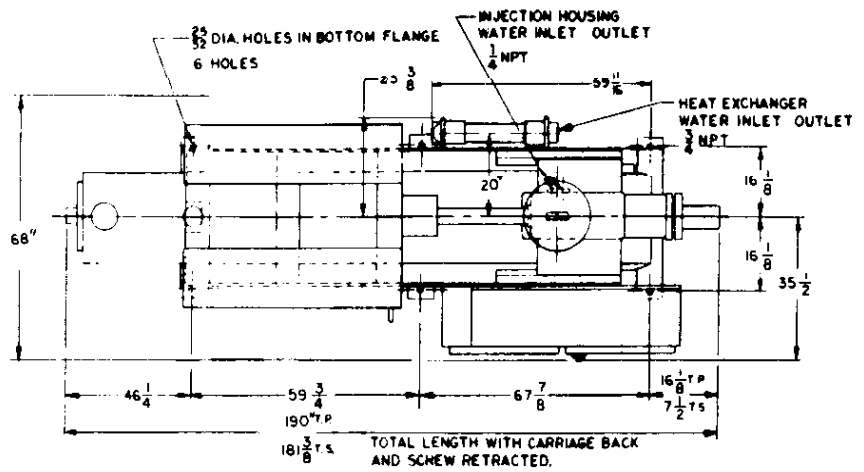


# VAN DORN®

## 110RS-6½

### Hydraulic Clamp



PERFORMANCE	110 TON	
Ounces molded per shot (styrene) dependent upon conditions	6½ oz.	
Plasticizing cap. (lbs. per hr.) (styrene) based on continuous rotation	175	
Processing (styrene) oz./sec.	.78	
INJECTION UNIT		
Screw Diameter	1.500"	
Screw Stroke	6.5"	
Cubic inch displacement	11.4	
Maximum PSI on material	18,000	
Injection rate cu. in./sec. full injection pressure	8.6	
Screw Speed Range RPM	standard optional	20-280 20-230
Standard Screw Motor torque*	3850	
Optional Screw Motor torque*	4650	
Black Pressure adjustment (PSI)	0-200	
GENERAL SPECIFICATIONS		
Motor 230/460 volts	25HP	
System Pressure (PSI)	clamp injection	2200 1600
Heater watts @ 220 volts	7500	
Oil Reservoir (Gal.)	85	
Pump Capacity (GPM)	42	

Machine dimensions (LxWxH)	190x68x83
Weight (lbs.)	13,000
CLAMP UNIT	
Clamp Force (Tons)	110
Clamp stroke fully adj. to max. of	18½
Open Daylight (max.)	26½
Mold Thickness (min.)	8"
Space Between Tie Bars	17.25" x 14.8"
Platen Size (HxV)	27" x 28"
Maximum Mold Size	17" x 25"
Diameter of Tie Bars	3"
Unclamp Force (Tons)	7.5
Clamp Open Speed (cal.)**	1500
Clamp Close Speed (cal.)**	2400
Ejector Stroke	4"
Optional Open Daylight (max.)	32½"

\* (inches lbs.)      \*\* (inches per min.)

# VAN DORN®

11792 Alameda Dr. • P.O. Box 8849 • Strongsville, Ohio 44136  
• Telephones: (216) 236-6900 • Telex: 960667

Effective 9/1/86

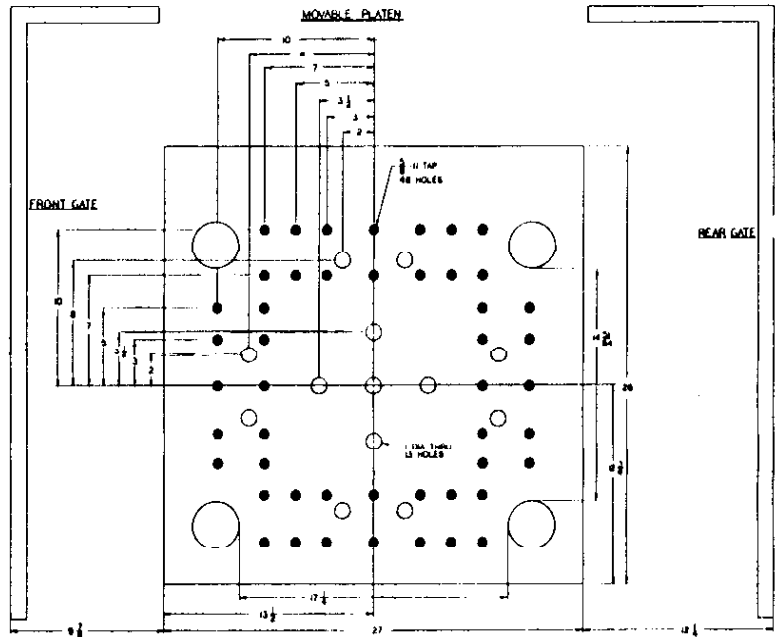
# VAN DORN®

## 110RS-6<sup>1</sup>/<sub>2</sub>

### Hydraulic Clamp

#### STANDARD FEATURES

- Energy saving/remote set series.
- High speed hydraulic clamp with clamp speed control valve.
- Low pressure mold protection.
- Clamp deceleration control.
- Hydraulic Ejector with multiple stroke and adjustable speed. SPI knock out pattern.
- SPI hold down pattern for mounting molds.
- Electrical control panel at operators station houses all electrical logic, timers and temperature controllers.
- Transformer to supply 115 volts for control circuits and solenoids.
- SCI Pathfinder Microprocessor control.
- Two zone temperature control.
- Three zone on 9 oz.
- Nozzle pyrometer.
- Barrel heater cover.
- Purge guard.
- Meets OSHA and ANSI standards for maximum operator safety.
- Low pressure safety shut down with indicator light.
- Cycle failure shut-down with indicator light.
- Circuitry for manual, semi and full automatic operation. Easily converted to Thermoset operation.
- Dual oil filtration system includes reservoir filtering for pump and low micron return line filter with magnet and indicator to signal when cleaning is required. Oil level and temperature gauge.
- High capacity heat exchanger for efficient cooling of hydraulic oil.
- Pivoting injection unit for easy screw removal.
- Low compression alloy steel screw, hardened and nitrided. Optional screws are available.
- Nitralloy barrel, 20:1 L/D ratio.
- Swing-away hopper for easy material removal.
- Adjustable screw speed, injection speed and back pressure.
- Micro-adjust shot volume for precise control.
- Second stage injection holding pressure.
- Melt decompression.
- Self-adjusting mechanical safety rod on movable platen.
- Variable volume pump.
- Automatic lubrication.



#### OPTIONAL EQUIPMENT

- Hydraulic core pull system with SPI A, B, C, & D sequence.
- Screw tachometer.
- Electric cycle counter.
- Increased maximum daylight (Increases Min. Mold).
- Bimetallic barrel.
- Hard faced screws.
- Hydraulic actuated shut-off nozzle.
- Thermostatically controlled water valve for heat exchanger.
- Flow molding.
- Thermoset equipment.
- Injection/compressions molding cycle.
- Sprue break.
- Breather cycle.
- Thermoplastic/thermoset combination machine—includes the necessary hydraulic and electrical circuitry so the machine is ready to accept either thermoplastic or thermoset barrel, screw and related parts. Sprue break and screw delay timer are selectable by a switch.
- Hour meter.
- Optional screws available on request.
- Optional motor voltages available at extra cost.
- High Tech (CRT-B) Series.
- Color CRT-C Series.

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