

## 4507 Vertical Sump Pumps

**D**eming Sump Pump Model 4507 is designed to provide dependable, economical drainage service on medium capacity installations in commercial buildings and general industrial applications.

### **Design Features**

**Pump** - Casing, suction head strainer, base and motor support of heavy duty close grained cast iron construction.

**Impeller** - Adjustable, semi-open bronze impeller, precision machined and balanced.

**Shaft** - Ground and polished stainless steel. Over-sized  $\frac{3}{4}$  inch shaft provides smooth performance.

**Thrust Bearing** - Heavy duty, grease lubricated ball thrust bearing with wide inner race for more accurate alignment. Protected from dust and vapor in sealed enclosure.

**Lower Bearing** - Self-lubricating bronze sleeve bearing suitable for pumping hot or cold water.

**Column** - Full weight 2" I.D. steel pipe of proper length for 2, 3, 4 or 6 ft. sumps.

**Coupling** - Flexible type coupling allows for motor removal without affecting pump adjustment.

**Automatic Control** - Heavy duty, two pole, snap action float switch. Stainless float slides on fiber glass rod with adjustable stops.

**Motor** - Vertical drip proof 115/230 Volt, single phase motor has built-in thermal overload protection; three phase motor requires a magnetic starter.



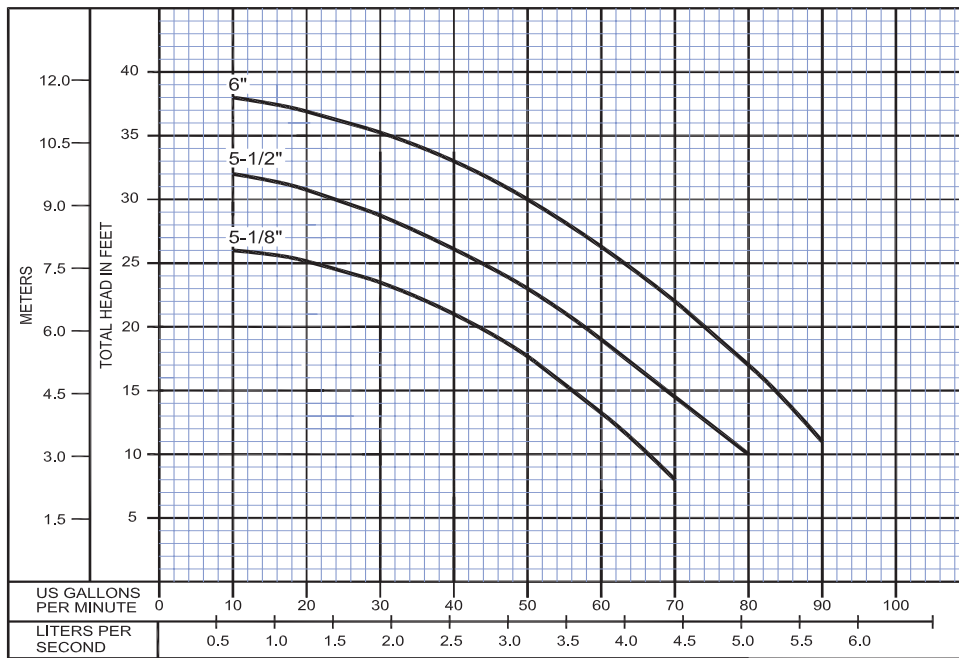
### **Type A**

Furnished with 20 inch cast iron split cover plate to fit bell of 18 inch tile, and with discharge pipe extending through the plate. Available with 28 inch steel adapter ring for 24 inch or larger steel cover plates for Single or Duplex Units.

### **Type B**

Furnished without cover plate or discharge pipe, and arranged for mounting on floor of sump.

Performance Table - 1750 RPM										
Motor HP	Impeller Diameter	Capacity Gallons Per Minute								
		10	20	30	40	50	60	70	80	90
		Total Head in Feet								
1/3	5 1/8"	26	25	24	21	18	13	8	-	-
1/2	5 1/2"	32	31	29	26	23	19	14	10	-
3/4	6"	38	37	35	33	30	26	22	17	11



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