**SPECIAL NOTE:**

When preparing the specifications for your new pumper, assure the use of a Hale pump by incorporating these pump specifications as written. No competitive pump can match Hale's construction or performance.

Performance

The pump/engine shall be capable of meeting the NFPA 1906 performance rating of 50 GPM @ 150 PSI and 150 GPM @ 100 PSI. Typical pump performance from 5 foot draft at sea level shall be: 170 GPM @ 150 PSI, 250 GPM @ 100 PSI and 290 GPM @ 60 PSI.

**Pump**

The pump body shall be made of anodized alloy aluminum castings coupled together with a stainless steel band clamp with an O-ring seal which allows quick pump volute removal for servicing. The pump end shall be factory hydrostatically tested to 300 PSI. The impeller shall be bronze. The renewable clearance rings shall be made of bronze to inhibit galvanic corrosion. The impeller shall be 8.75 inches (222.3 mm) in diameter and designed with a sleeve back end to prevent water from coming in contact with the engine shaft. The pump shaft seal shall be an automatically adjusting, maintenance free, mechanical type. The pump body shall be equipped with a petcock drain valve.

**Priming**

The pump shall be equipped with a diaphragm type hand primer.

**Suction/Discharge**

The suction port shall be a 4” grooved coupling and the discharge port shall be a 3” FNPT discharge flange.

**Engine**

The engine shall be a 4 cycle gasoline Briggs and Stratton Vanguard 613477 series V-Twin, overhead valve, air cooled design. Engine rating shall be 35 BHP at 3600 RPM. Engine displacement shall be 993cc and shall be designed to meet current EPA (Environmental Protection Agency) standards. A 12-volt electric system shall be provided with electric starter and a 20 amp alternator. Engine shall be equipped with a residential muffler with USDA approved spark arrestor.

**Mounting Platform**

The pump/engine shall be isolation mounted onto a steel base.

**Instrumentation**

The pump shall be supplied with a remote mounted control panel. This panel shall include a throttle lever, primer lever, master switch, starter button, choke control, a 2.5 inch liquid filled discharge gauge and an oil pressure warning light.