

## **ROSENBAUER UHPS PUMP**

A Rosenbauer Ultra High Pressure System (UHPS) shall be installed in a body compartment, by the body manufacturer. The system shall produce an output of 10 gallons per minute at 1450 psi, operate with all foam types and require no adjustments, once the system is started. The six cylinder high pressure pump shall be constructed of brass and incorporate an oil bath lubrication.

The UHPS system allows for the combination of volume (10GPM) and pressure (1400 PSI) to create a high level of kinetic energy, allowing penetration to the burning object. The precise design of the nozzle ensures the fine diffusion of the water stream, thereby multiplying the size of the effective cooling surface of the droplets. The complete conversion of water to steam reduces water damage. The UHPS's integral foam system shall enhance the effectiveness of the water.

The UHPS shall be powered by a Honda GX610 18 HP OHV, V-twin 4-stroke engine. The Honda shall be a commercial grade including a 12V electric start, full pressure lubrication, an in-line fuel filter, a minimum 2.5 gallon fuel cell and a spin-on automotive type oil filter. The engine application must be approved by Honda and be authorized for service at any authorized Honda engine dealer or distributor.

## **ENCLOSURE**

An aluminum enclosure shall be provided on the UHPS system.

## **HOSE REEL**

The system shall include an electric reel with hose rollers.

## **HOSE & NOZZLE**

The reel shall be equipped with 200-ft of high pressure hose and a high pressure nozzle with adjustable jet/spray stream and foam barrel.

## **TANK**

The UHPS system shall be equipped with a 50 gallon poly tank.

The tank skid shall be furnished with a black textured finished and equipped with a pump mounting platform. The tank fill tower shall be 8" round with a 3" vent/overflow. The tank shall also be equipped with a 1" NPT drain and a 1-1/2" NPT tank fill connection.

## **DISCHARGE PRESSURE GAUGE**

One (1) 2-1/2" discharge pressure gauges (0-3000 PSI) shall be provided. The face of the gauge shall be a WHITE dial with black letters.