



GAAM MK450

Diesel Powered Fire Fighting Pumpset

Designed for performance fire fighting, the Features GAAM MK 450 pump enables firefighters to select pressure or volume mode or enables both modes to be operated simultaneously.

The pressure mode will operate two booster Hose reels up to 600 l/min total flow @ 800 kPa. or 125 l/min @ 2000 kPa. The volume mode will allow a flow rate up to 3000 l/min @ 700 kPa. Simultaneous operation of both volume and pressure discharge outlets can be set to desired compensatory flows and pressures.

Features:

- > Heat treated alloy pump casings.
- > Four position discharge outlet for either volume or pressure stage
- > Bronze impellers, hydraulically balanced
- > Radial loads balanced by use of double volute in first stage
- > High performance metal bellows mechanical seal.
- > Heavy duty throttle/bearing bush
- > Stainless steel shaft
- > Replaceable bronze wear rings
- > Range of options

BASIC UNIT

Engine

- > Hatz model 4L 41C air cooled diesel engine
- > Power rating 5.15 kW @ 3000 RPM
- > Electric start
- > Dry element air cleaner

Pump

- > GAAM MK 450, two stage centrifugal pump with volume and pressure discharge outlet
- > Heat treated alloy casings
- > Hydraulically balanced bronze impellers
- > Double volute first stage to balance radial loads
- > Stainless steel shaft
- > Replaceable bronze wear rings
- > High performance (metal bellows type) mechanical seal, carbon ceramic faces
- > Replaceable throttle/bearing and shaft sleeve bushes
- > Suction 6-M10 on 178 PCD
- > Discharge Volume: 75mm flange table 'D' AS2129)
- > Discharge Pressure: 50mm square flange table 'D' (AS2129)



Pump/engine assembly

Close coupled, pump rigidly fixed to engine.

Dimensions

610mm (W) x 1350mm (L) x 820mm (H).

Mass

490Kg

Pump Performance

The total head shown on the performance curve includes suction lift. Therefore the pressure available at the pump discharge flange will be reduced by the "Suction Lift" expressed in kPa (eg. 3 metre lift is equivalent to 30kPa).

OPTIONS

Engine

- > Alternative Hatz engine models are available to provide alternative pump flow rate and pressures.
- > Vertical up or down muffler
- > 12v or 24v start
- > Various capacity fuel tanks
- > Alternative engine brands are available
- > Muffler guard
- > Rubber mounts

Pump Discharge Position

Alternative discharge positions:

Discharge Manifolds

Various discharge manifolds valves and couplings are available. To be specified by customer.

Priming System

- > Manual - GAAM Series 500 Diaphragm primer.
- > Electric - Hale 12v or 24v model ESP rotary vane priming system

Foam System

- > Manual - Quenchmaster SA650 around the pump type, Control Panel (CP) or Remote Mount (RM), or
- > Automatic - Hale FoamMaster 2.5v balanced pressure flow based demand system (12v or 24v)

Instruments and Controls

Fixed or remote instrument panel.

The following instruments and controls are available to be fitted in either instrument panel.

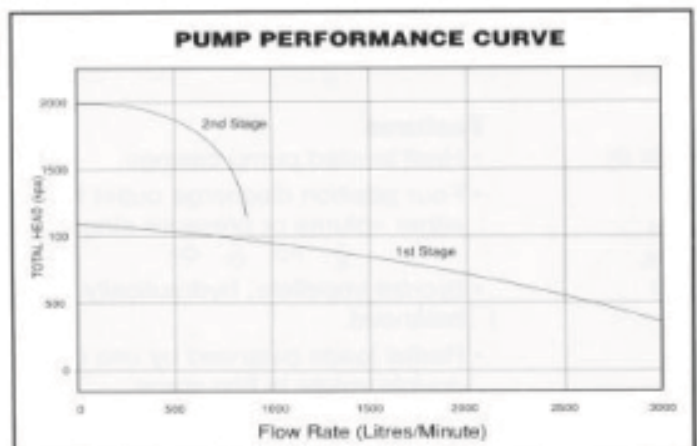
- > Pressure gauge · Engine Stop Control
- > Compound gauge · Tachometer
- > Engine Start Button · Hour Meter
- > Engine oil pressure gauge
- > Engine temperature gauge
- > Twist lock Vernier throttle
- > Electric throttle control for remote operation

Electrical

Battery, cradle and leads.

Framework

Various base frames are available. To be specified by customer.



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