

# KM Hydraulic Solutions



## MULTI PURPOSE CAST IRON SINGLE STAGE PUMP

### Advantages:

There is no PTO shaft that might cause an accident or break when fighting fire

No petrol engine that might not start or disappear in the off season

No petrol taken to the fire

Just couple hydraulic hoses to tractor hydraulics and shift lever to operate

The unit can be mounted anywhere, because hydraulic hoses allow it

The hydraulic drive unit has proved to be very reliable



- It has a single impeller
- It is made of cast iron and can be used to pump water and chemicals
- Also used for water transfer and cleaning of equipment in the off season
- This pump is designed to work with hydraulic systems delivering a minimum 40l/min
- Depending on the hydraulic system delivery, the pump can exceed 665 l/min and 7bar pressure
- This is a Multi purpose pump. Ideal for fighting large grassfires, bushfires and sugar cane fires, as well as keeping fire breaks under control
- Simply connect pressure hose to the tractors external hydraulics and return hose directly to oil reservoir

### PERFORMANCE

- 30 l/min at 9 bars 4mm nozzle ,
  - 250 l/min @ 7 bars with 12mm nozzle ,
  - 665 l/min @ 7 bars on 18mm nozzle.
  - Tractor hydraulics producing 44 l/min @ 175 bars
- ( minimum req. 40 l/min @ 150 bars )

Very strong and durable. Dual function of pumping water and chemicals. Thus making this pump useable all year round and not just during the fire season.

## HIGH PERFORMANCE HYDRAULIC DRIVE PUMPS



Ideal for large fires where higher pressure and volume of water is required such as with timber yard and sugar cane fires. Three stage pump is a multi purpose water pump. Mainly used for fire fighting, water transfer and cleaning of equipment. These pumps are low maintenance and very reliable. Simply connect to the tractor or truck hydraulics as per instructions.

### MULTI STAGE HYDRAULIC ROVATTI PUMP

- No PTO shaft that might cause an accident or break when fighting fire.
- Ideal for tractors with hydraulic oil flow rates of 60 to 100 l/min
- Superior performance makes it ideal for fire truck installation
- Just couple hydraulic hoses to tractor or truck hydraulics and shift lever to operate
- The unit can be mounted anywhere, because hydraulic hoses allow it
- The hydraulic drive pump unit has proved to be very reliable



### PERFORMANCE

- ***700 liters per minute at a minimum of 7.5 bars.***
- ***The hydraulic flow rate set to 57 l/min @ 150bars***
- ***Higher hydraulic oil flow rates and pressure will result in much higher water pressure***
- ***It is advisable not to exceed 15 bars water pressure as water hoses might burst***
- ***Hydraulic oil flow rates should be set accordingly***