



**Product Description:**

Aussie GMP self priming centrifugal electric drive semi trash pumps in 2", 3" and 4" configurations, designed for high and low pressure operations.

Pumps feature big open impellers, non clog design, silicon carbide mechanical seal, stainless steel wear plate and large front opening port to permit cleaning without pipe work disconnection. Flows available to 2250 litres per minute and heads to 30 metres.

These hydraulic drive motor pumps can be operated in either closed centre or open centre hydraulic systems.

**Applications:**

- Mine and dust suppression
- Water cart
- Water deliver truck tanker
- Fire fighting tanker refill
- Underground mine dewatering

**Benefits**

- Long trouble free life
- Pumps solids in suspension
- Ready to pump in minimum amount of time
- Pump clean out without pipe work dismantling
- Stable, easy to install
- Flexibility of handled liquids
- Protects pump from wear, cuts operating costs
- Reduced cost, improved reliability
- Facilitates installation
- Flexible design, pump can be located in the most appropriate position, elimination of drive shafts

**Features**

- Heavy duty cast construction
- Open non clog style impeller
- Self primes from 6 metres
- Front mounted clean out port
- Cast iron foot mounting
- Silicon carbide mechanical seal standard, option of Viton or tungsten carbide
- Stainless steel wear plate
- Elimination of dependant engine in mobile applications
- Compact design
- Power supplied by hydraulic lines

Model	RPM	Suct/ Del	Total Head (m)	Capacity (l/m)	Solid size (mm)	Cast Iron CAT number	Hydraulic Press Req. (psi)	Hydraulic Flow Req. (lpm)
B2KQ-A/ST*	3600	2" x 2"	26	570	19	AA9A	1450	31
B3KQ-A/ST*	3600	3" x 3"	25	1000	24	AA5B	2400	31
B3XR-A/ST**	3000	3" x 3"	36	1750	20	ASD9	1100	103
G3TMK-A/ST**	3000	3" x 3"	52	1420	25	ASE1	1500	103
B4KQ-A/ST**	3000	4" x 4"	15	1500	35	ASD8	800	103
B4XR-A/ST**	3000	4" x 4"	30	2250	25	ASE9	2000	103

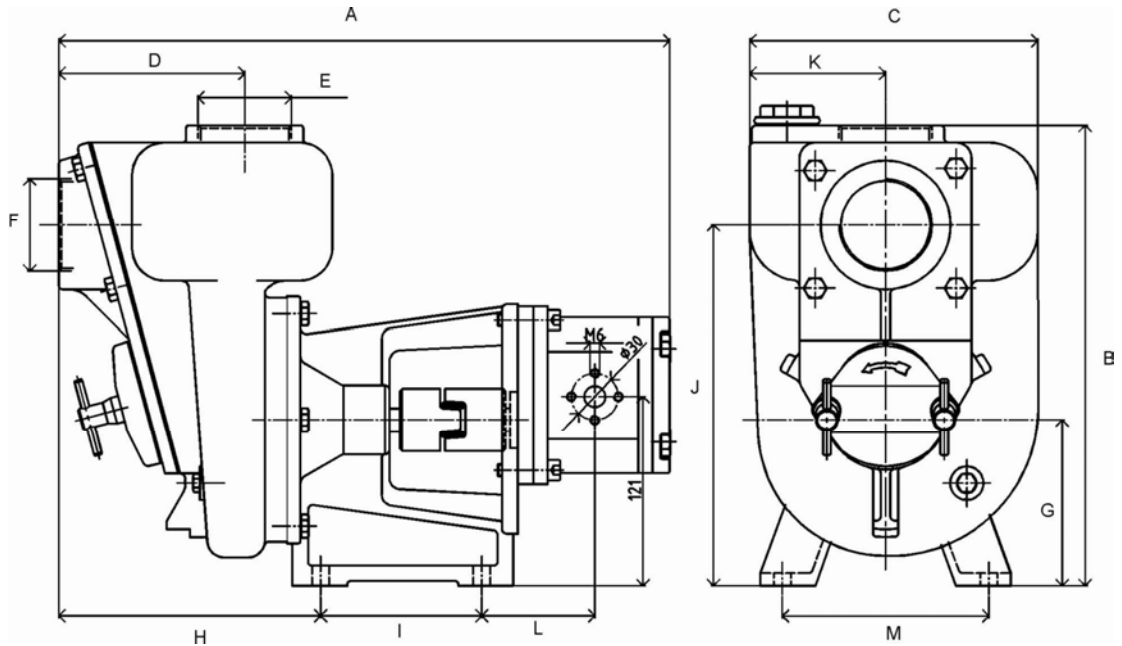
Hydraulic flow required: \*8.5cc/ pump revolution maximum speed 3600 rpm  
 \*\*34.55cc/ pump revolution maximum speed 3000 rpm





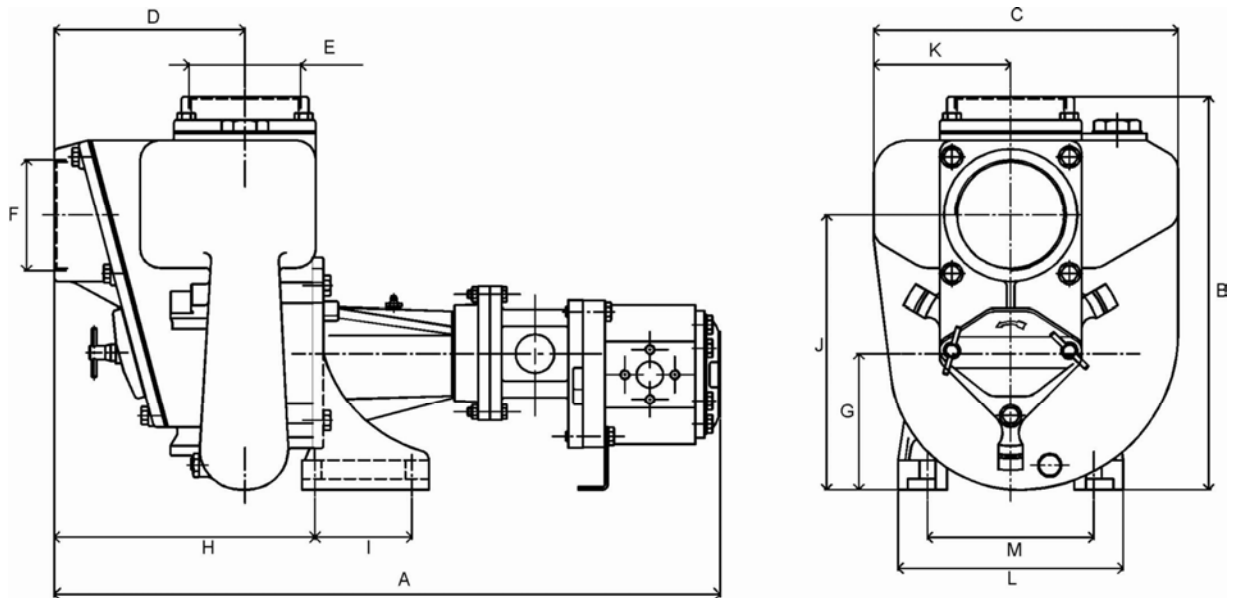
Model Numbers: **GMP Hydraulic Drive Semi Trash Pumps**

**Dimensions:**



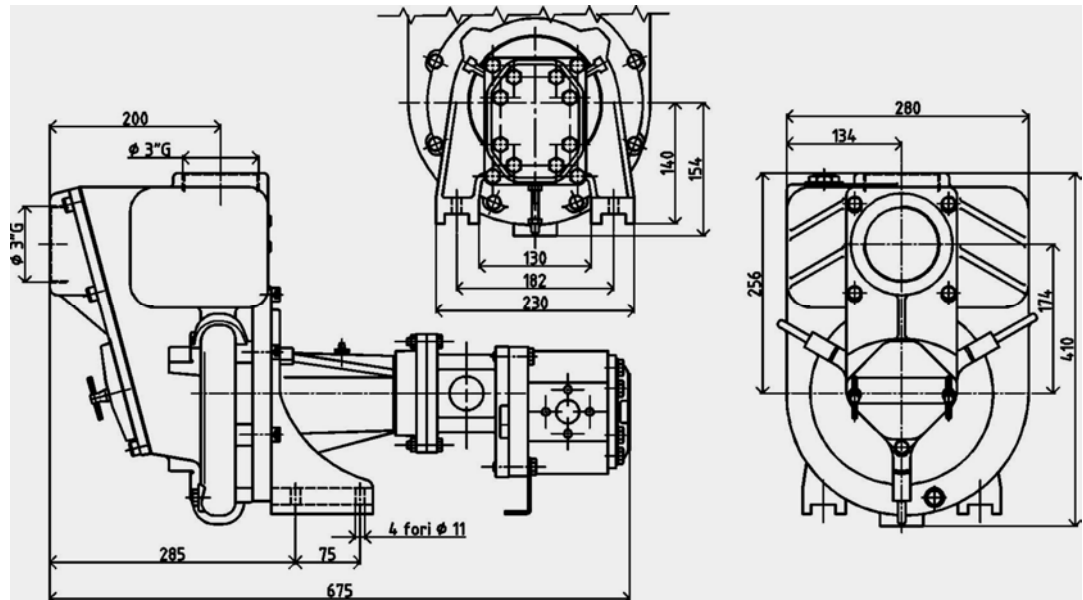
Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)	L (mm)	M (mm)
B2KQ-A/ST	390	295	184	119	2"	2"	106	167	103	231	87	72.5	132
B3KQ-A/ST*	425	295	185	147	3"	3"	106	201.5	103	226.5	87.5	72.5	132

\* clean out port is different shape on this model to that shown in diagram



Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)	L (mm)	M (mm)
B3XR-A/ST	650	400	280	175	3"	3"	140	232	105	315	136	230	170
B4KQ-A/ST	680	405	315	195	4"	4"	140	265	105	285	140	230	170
B4XR-A/ST	695	450	365	196	4"	4"	-	308	75	311	181	230	182

G3TMK-A-ST with hydraulic drive



### HYDRAULIC MOTOR DRIVEN PUMP APPLICATION INSTRUCTIONS

#### HYDRAULIC SYSTEM REQUIREMENTS:

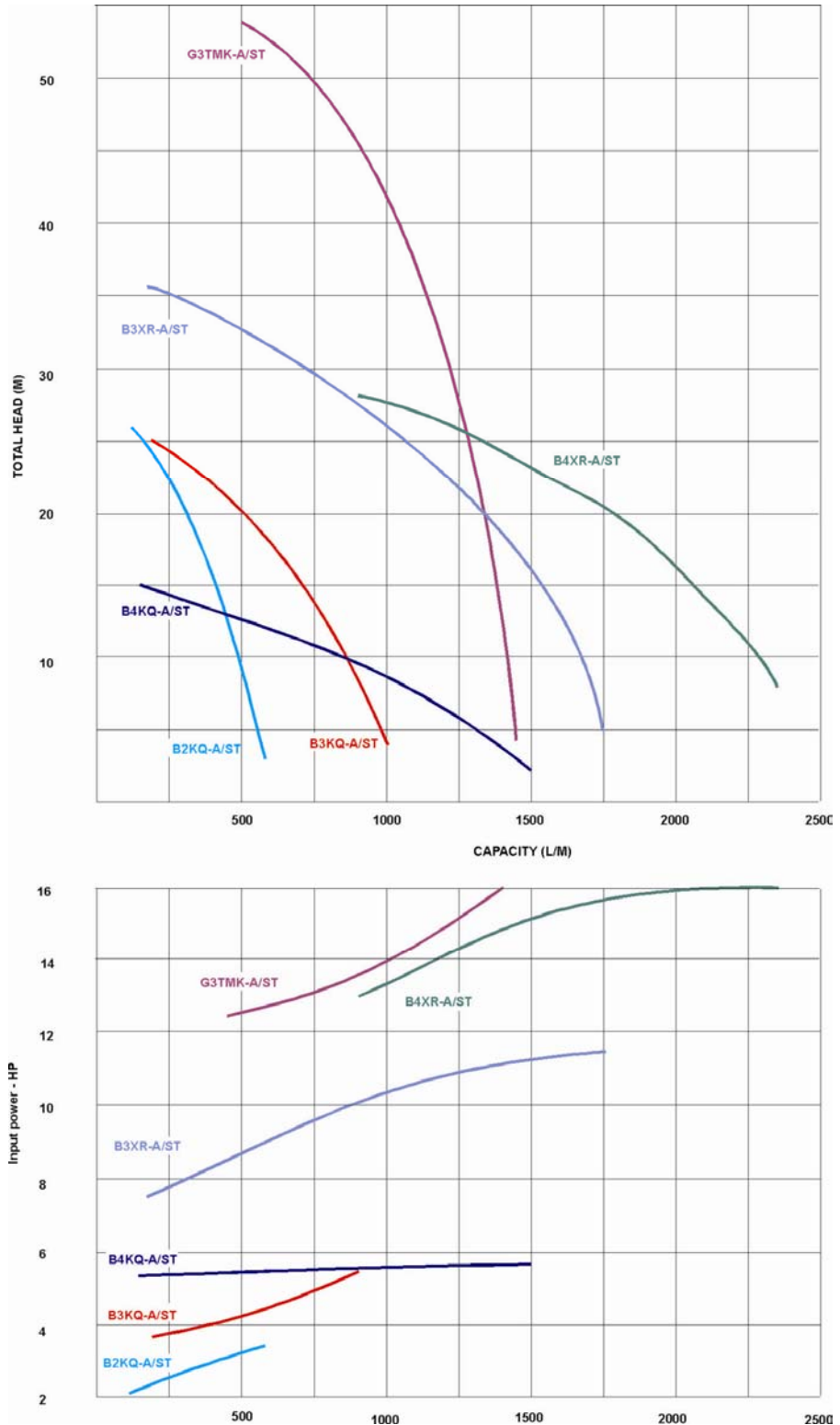
The hydraulic motor driven pump can be operated on either a closed centre or open centre hydraulic system. The maximum system requirement is 31 litres per minute of hydraulic fluid flow for models up to and including B3KQA/ST units. The system requirement for the larger units is 103 litres per minute. Flows less than or greater than this may result in a lower pump speed, lower pump output, and lower pressure delivered by the pump. Flows and pressure exceeding the maximum levels may damage the hydraulic motor and the pumps.

#### CLOSED CENTRE VERSUS OPEN CENTRE HYDRAULIC SYSTEMS:

An OPEN CENTRE hydraulic system is based on either a vane or gear type hydraulic pump. These pumps have a constant output proportional to the speed of the engine driving them. When this flow is not being used, a valve diverts the flow back to the hydraulic reservoir where it is recirculated through the pump. The term “open centre” is derived from the type of valve used to control an open centre system. The open centre position of the hydraulic valve permits the flow of hydraulic fluid back to the reservoir in the neutral position. A CLOSED CENTRE system uses a variable displacement piston pump. This type of pump varies its output from zero flow to maximum flow depending on the demands put to it by the system. All this happens without disengaging or changing the speed of the engine driving the pump. The term “closed centre” comes from the fact that the type of valve used to control this system completely shuts off the flow in the neutral position.



Performance Curves



**Optional Accessories:**

- Heavy duty galvanised roll frame (standard on diesel drive )
- Heavy duty suction hoses 2" and 3"
- Medium pressure lay flat delivery hose, working pressure 100 psi
- High flow diesel transfer fuel nozzle
- Carbon ceramic, silicon carbide, tungsten carbide or Viton seals available
- Strainers and couplings