



Product Description:

Aussie poly 2" and 3" self priming centrifugal pumps manufactured from 30% glass filled polyester. RSE Series Aussie poly pumps offer flows to 1010 litres per minute and heads as high as 37 metres. Suction lift is 6.6 metres.

This unique product range is available in a wide range of configurations including;

- Honda petrol engine drive
- Yanmar diesel engine drive
- 2 or 4 pole, single phase or three phase electric motor drive
- Hydraulic motor drive
- Bare shaft

Picture shows the Aussie Seamaster, Yanmar diesel powered 2" poly pump in roll frame.

Applications:

- Agricultural chemical transfer
- Diesel fuel transfer
- Brine or salt water pumping
- Marine salvage
- Marine fire fighting
- High volume water transfer
- Aquaculture

Features

- Strong, 30% glass filled polyester construction
- Lightweight
- Wide range of optional elastomers
- Impeller option
- Integrated handle
- Honda petrol or Yanmar diesel engine drive options (two year engine warranty)
- Heavy duty galvanised steel carry frame (standard on diesel drive, option on petrol drive units)
- Protek engine protection (option on engine drive, standard on electric drive pumps)

Benefits

- Wide range of liquid compatibility
- Highly portable
- Flexibility of handled liquids
- Can be either high pressure or high flow
- Aids portability, operator convenience
- Tried and proven with established service networks throughout Australia and the world
- Protects pump and engine, aids portability
- Separates pump from engine, protects engine or electric motor from seal failure by preventing liquid contacting drive unit

SEAL COMPATIBILITY (Recommendation only - check compatibility chart for specifics)

1. For oil based liquids including diesel fuel, select BUNA elastomer option
2. For most ag. chem. liquids select EPDM elastomers
3. Viton elastomers available. For chemical compatibility check 'Chemical Compatibility Chart'

-WARNING: When pumping flammable or combustible liquids all containers must be effectively bonded and grounded to prevent sparks of static electricity which could cause explosion.

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
- Poly couplings in either screw type or Camelot style quick coupler design
- High flow diesel transfer fuel nozzle
- Range of seals including Buna N, EPDM or Viton
- Protek engine protection

Due to our program of continuous product development the manufacturer reserves the right to alter specifications without notice.





Model Numbers: **RSE Series Engine Drive**



Engine Drive Specification:

Aussie poly pumps with either Honda petrol or Yanmar diesel drive options with or without electric start. Diesel versions come in a full galvanized roll frame (option on the petrol drive versions).

Protek Prevent Defence: (Option on engine drive poly pumps)

Maximum engine protection system Featuring adapter to separate pump from engine, large cavity to handle even major seal failures & oversized slinger to prevent liquid contacting engine.

Table A Stock codes for different elastomers and impeller options

Impeller	Max Flow	Max Head	EPDM	Buna N	Viton*
2" 706 high head	720	37	RSE2BUL	RSE2BUB	RSE2BUV*
2" 975 high flow	835	25	RSE2BRL	RSE2BRB	RSE2BRV*
3" 706 high head	870	37	RSE3BXL	RSE3BXB	RSE3B XV*
3" 975 high flow	1010	25	RSE3BSL	RSE3BSB	RSE3BSV*

List B: SEAL COMPATIBILITY

(Recommendation only - check compatibility chart for specifics)

1. For oil based liquids including diesel fuel, select **BUNA** elastomer option
2. For most ag. chem. liquids select **EPDM** elastomers
3. **Viton** elastomers available. For chemical compatibility check 'Chemical Compatibility Chart'

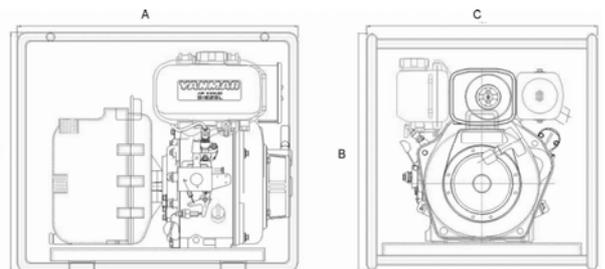
Engine options: Honda Petrol: GX160 (5.5HP), GX200 (6.5HP), GX200E (6.5HP) or Yanmar Diesel: L48 (4.8HP recoil start), L48E (4.8HP electric start)

How to order the correct pump:

1. Determine pump flow (litres per minute) and head (metres) required.
2. Refer to Table A and select high head or high flow impeller and suction/delivery size required.
3. Determine seals required for chemical being pumped by using List B.
4. Combine information from steps 2 & 3 to determine last two letters of stock code required.
5. Add engine model or hydraulic drive selection to end of stock code.

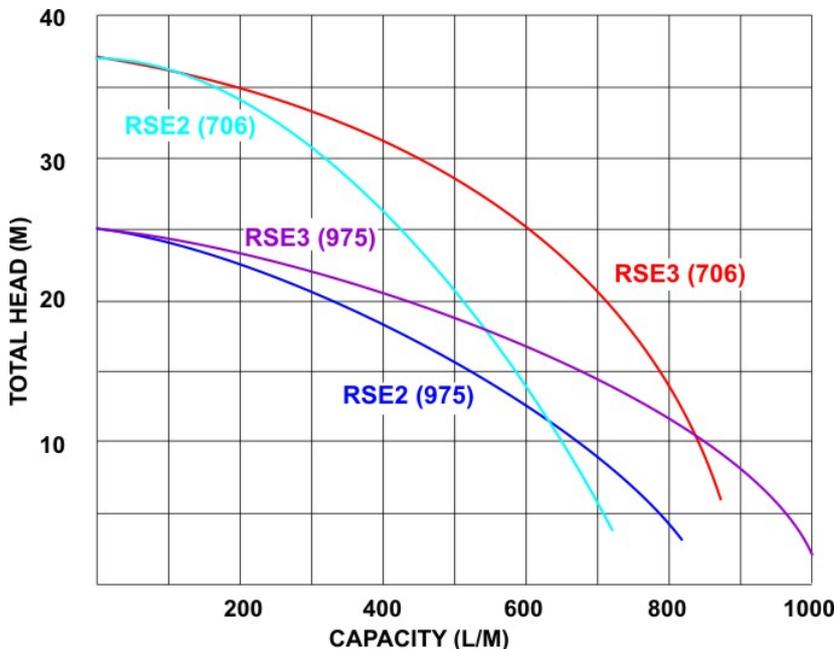
Example: Pump required to pump agricultural chemicals with a maximum flow of 600 litres per minute and a head of 10 metres.

1. Select impeller from Table A, **in this case 2" 706 high head model.**
2. Select seals required from Table B, **in this case EPDM elastomers.**
3. Select preferred engine option, petrol /diesel and add stock code.
i.e: RSE2BUL/GX160E = 2" x 2" 706 (high head) impeller with EPDM seals & Honda 5.5HP engine electric start



Model	A (mm)	B (mm)	C (mm)	Weight (kg)
RS2/GX200 no frame	490	370	390	22
RS3/GX200 no frame	553	370	390	23
RS2 or RS3 diesel	550	520	460	40

Performance Curve: Engine Honda GX160 5.5HP at 3600 rpm



Aussie Seamaster (RSE2BUB/L48 & RSE3BXB/L48):

- 2" or 3" poly pump with a 706 impeller,
- Buna seals for salt water compatibility,
- Yanmar 4.8HP diesel engine with electric start option
- Full galvanized roll frame for protection and portability.
- Yanmar diesel engine rated to operate intermittently at 3600 rpm; continuous operation speed 3000 rpm.



Model Numbers: **RSE Series with close coupled electric drive**



Electric Drive Specification:

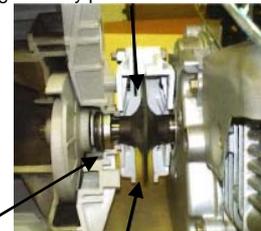
2" and 3" self priming centrifugal pumps made from 30% glass filled polyester with single or three phase, 2 pole, electric motor, 50 Hz, for industrial applications. Suitable for transferring corrosive or dangerous liquids, diesel fuel, industrial solvents, potable water, brine and salt water, oils etc.

Drive systems: Unique Aussie electric motor drive system offers 2 pole high speed electric motors in single or three phase configuration with IP56 protection, stainless steel shaft (416 grade) in 2.2kW single phase or, 2.2kW or 4kW three phase configuration. Specified Protek Motor Protection as standard in all close coupled electric motor applications.

Protek Motor Protection

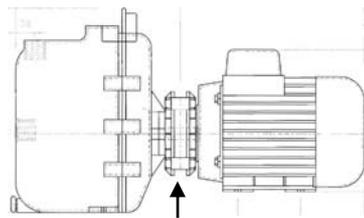
Maximum motor protection system from catastrophic seal failure. Featuring adapter to separate pump from motor, large cavity to handle even major seal failures and oversized slinger to prevent liquid contacting engine. Fitted as standard on all electric drive poly pumps and is an option on engine drive pumps.

Large cavity to protect engine or motor against any possible seal failure.



Pump mechanical seals

Oversize weep hole directs liquid down, and away from operator.



Protek system, fits between motor or engine and pump.

The ultimate motor protection.

Table A Stock codes for different elastomers and impeller options

Impeller	Max Flow	Max Head	EPDM	Buna N	Viton*
2" 706 high head	580	22.5	RSE2BUL	RSE2BUB	RSE2BUV*
2" 975 high flow	660	16	RSE2BRL	RSE2BRB	RSE2BRV*
3" 706 high head	700	22.5	RSE3BXL	RSE3BXB	RSE3B XV*
3" 975 high flow	800	16	RSE3BSL	RSE3BSB	RSE3BSV*

Motor options: 2.2kW (240v) single phase, 2.2kW(415v) three phase and 4kW (415v) three phase

List B: SEAL COMPATIBILITY

(Recommendation only - check compatibility chart for specifics)

1. For oil based liquids including diesel fuel, select **BUNA** elastomer option
2. For most ag. chem. liquids select **EPDM** elastomers
3. **Viton** elastomers available. For chemical compatibility check 'Chemical Compatibility Chart'

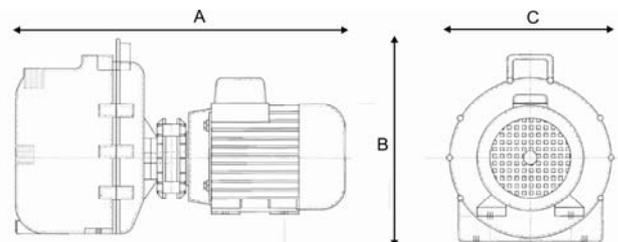
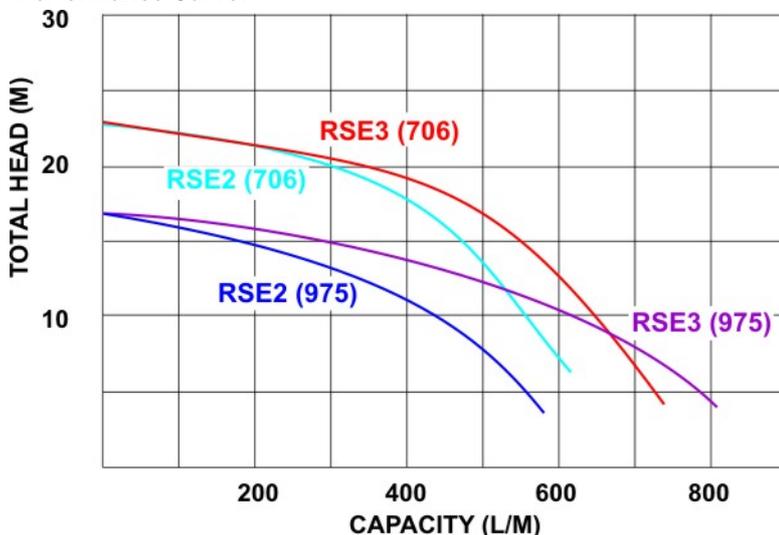
How to order the correct pump:

1. Determine pump flow (litres per minute) & head (metres) required.
2. Refer to Table A & select high head or high flow impeller & suction/delivery size required.
3. Determine seals required for chemical being pumped by using List B.
4. Combine information from steps 2 & 3 to determine last two letters of stock code required.
5. Add motor selection to end of stock code.

Example: Pump required to pump agricultural chemicals with a maximum flow of 500 litres per minute & a head of 10 metres.

1. Select impeller from Table A, **in this case 2" 706 high head model.**
2. Select seals required from Table B, **in this case EPDM elastomers.**
3. Select preferred motor selection and add stock code.
i.e: RSE2BUL/2.2/240 = 2" x 2" 706 (high head) impeller with EPDM seals & 2.2kW, 240 volt motor

Performance Curve:



Model	A (mm)	B (mm)	C (mm)	Weight (kg)
RS2 with 2.2kW motor	560	302	280	28
RS2 with 4kW motor	600	302	280	37
RS3 with 2.2kW motor	623	302	280	29
RS3 with 4kW motor	663	302	280	38



Model Numbers: **Bare Shaft or Hydraulic Drive Configuration**



Bare Shaft & Hydraulic Specifications

Model	Length (mm)	Height (mm)	Width (mm)	Weight (kg)
RS2 bare shaft with cast iron ped	374	302	280	12
RS3 bare shaft with cast iron ped	425	302	280	13
RS2 hydraulic	325	302	280	10
RS3 hydraulic	388	302	280	11

Table A Stock codes for different elastomers and impeller options

Impeller	Max Flow	Max Head	EPDM	Buna N	Viton*
2" 706 high head	720	37	RSE2BUL	RSE2BUB	RSE2BUV*
2" 975 high flow	835	25	RSE2BRL	RSE2BRB	RSE2BRV*
3" 706 high head	870	37	RSE3BXL	RSE3XB	RSE3B XV*
3" 975 high flow	1010	25	RSE3BSL	RSE3BSB	RSE3BSV*

List B: SEAL COMPATIBILITY

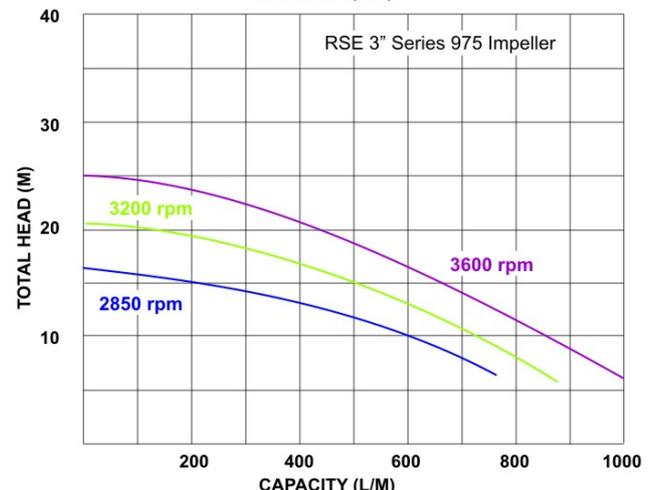
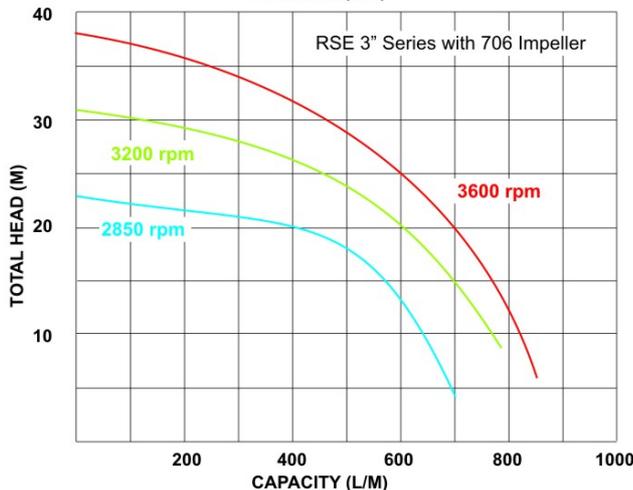
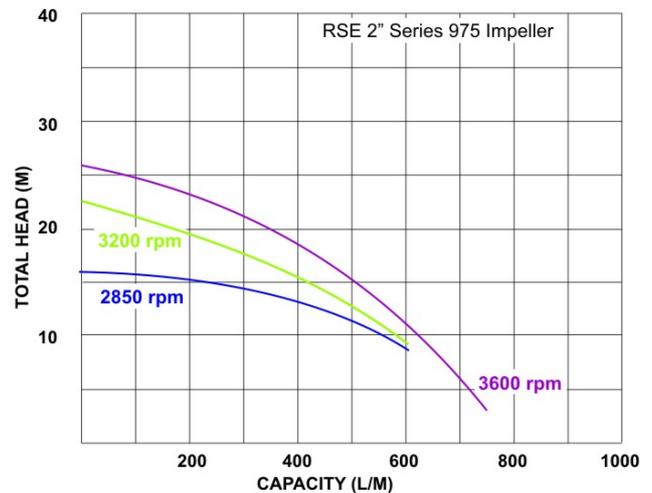
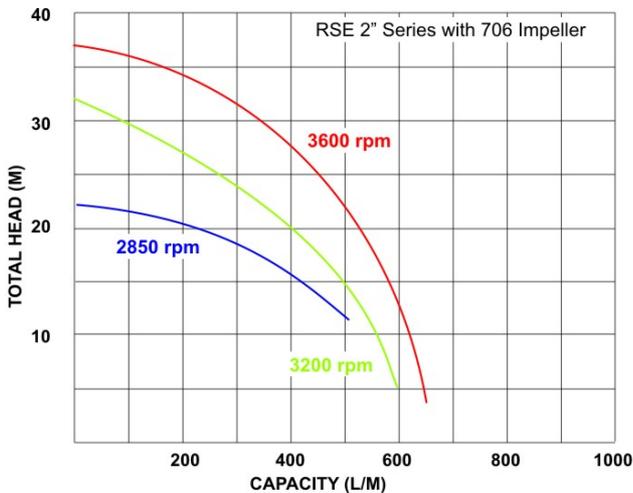
(Recommendation only - check compatibility chart for specifics)

1. For oil based liquids including diesel fuel, select **BUNA** elastomer option
2. For most ag. chem. liquids select **EPDM** elastomers
3. **Viton** elastomers available. For chemical compatibility check 'Chemical Compatibility Chart'

To order select pump kit select impeller and seals using Table A & List B, ie RSE2BRL and add part number of pedestal or hydraulic drive required.

1. Basic bare shaft drive poly pedestal, carbon steel shaft #P58.0001
2. Heavy duty bare cast iron pedestal, stainless steel shaft #P58.0097
3. Hydraulic drive #P58.0047

Performance Curves:



All performance data and curves to be taken as a guide only