

ISO SERIES

End Suction Pumps
to ISO 2858



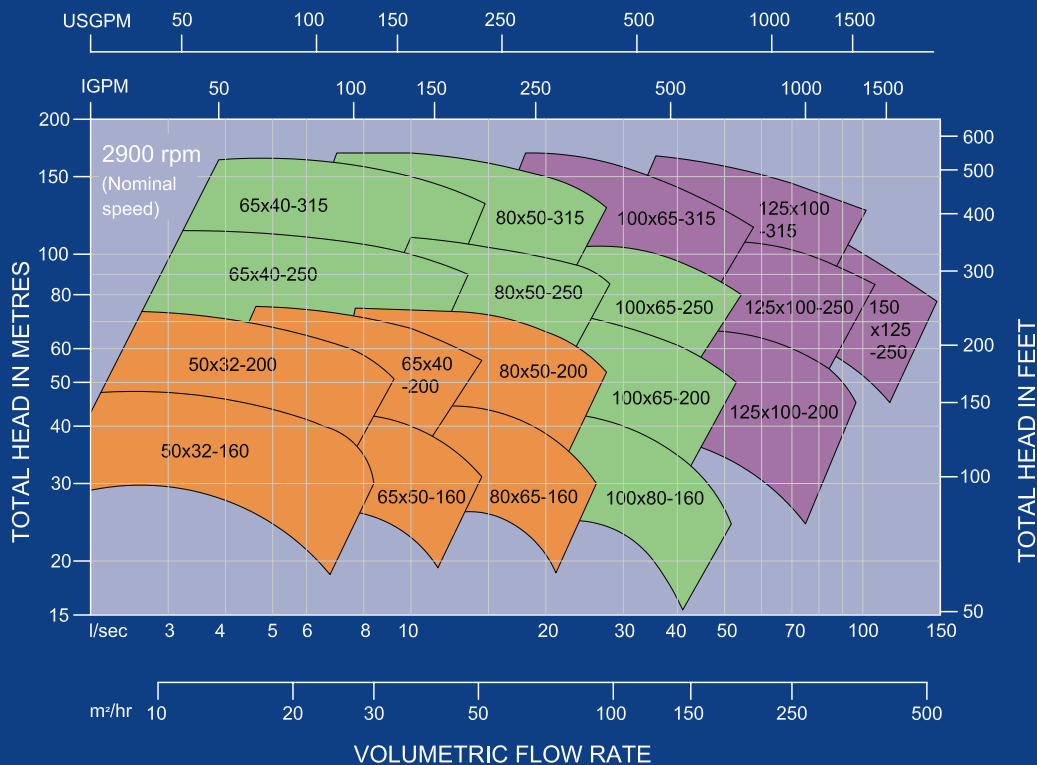
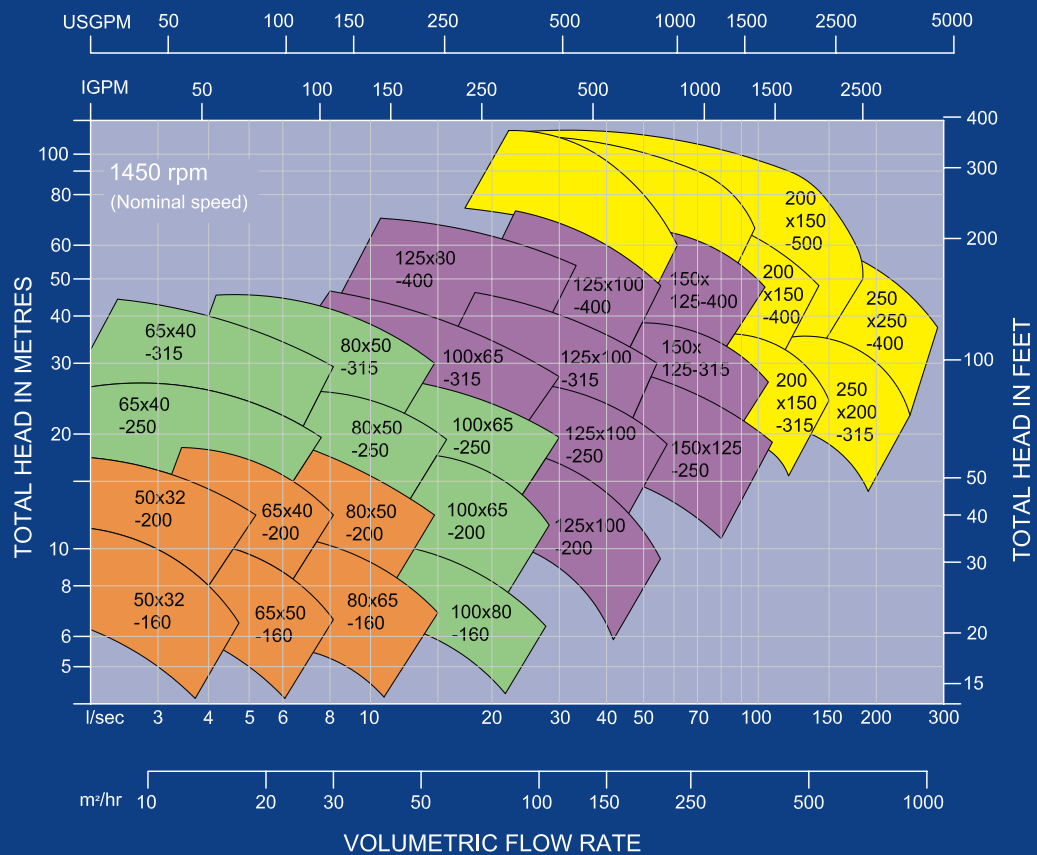
STALKER PUMPS

A DIVISION OF STALKER ENGINEERING

ISO 2858 Series Pump

Performance Data

Tombstone Curves



BEARING FRAME SIZE

No.1 **No.2** **No.3** **No.4**

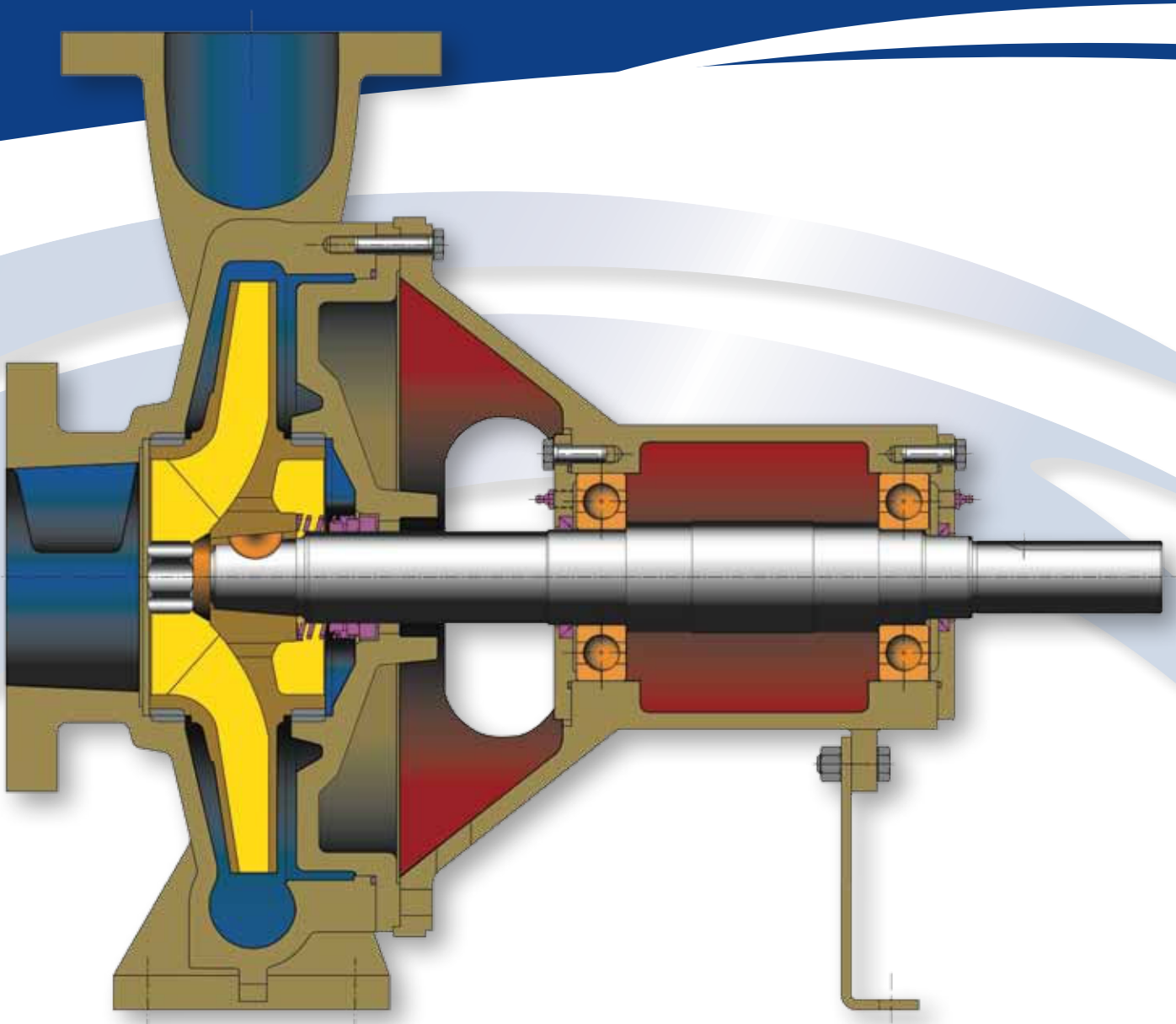
Performance

The Stalker Back-pull-out Pump is a horizontal end suction, vertical top discharge, single stage, foot mounted centrifugal pump ~ **Conforming to ISO 2858.**

The Stalker Back-pull-out Pump is a true back-pull-out (BPO) meaning, when configured with a spacer coupling, the electric/diesel motor remains undisturbed in position, while the back plate and rotating assembly can be removed for servicing. This effective design reduces equipment down time and allows an identical assembly to be reinstalled with minimal service interruption.

ISO 2858 standard ensures dimensional interchangeability with other pumps conforming to this recognised international standard. This means that Stalker Pumps can provide a pump in superior material to directly interchange with other manufacturer's equipment. (No pipe work or motor changes required)

AUSTRALIAN OWNED, DESIGNED & MANUFACTURED





key benefits

Stalker Pumps are all designed, engineered and manufactured at our facility in Perth WA. In-house casting of all our metals means we can provide competitive pricing and short lead times. We are dedicated to delivering the highest levels of customer satisfaction at all times by offering...

- a dedicated & professional after-sales support team
- a large inventory of components, parts & assemblies 'on the shelf'
- a diverse range of configurations to suit various applications
- ISO 9001 compliance with certification through Bureau Veritas
- a reputation for rugged and reliable pumps that are easily maintained
- rapid repair service via an Australia-wide network of distributors & outlets
- experienced drafting & fabrication team for complete customised solutions
- local, national and international delivery service

ISO SERIES | OPTIONS & APPLICATIONS

- Available as standard direct coupled units suitable for direct coupling or pulley driven by electric motors, petrol or diesel engines and hydraulic motors.
- Manufactured for close coupling to electric motors.
- Suitable for pumping clean water, sea water, raw water, process water, waste water, sewage and hazardous as well as corrosive liquids.
- Supplied as stand alone units or coupled to the drive of your choice.
- Mounted base frame and/or Heavy duty Trailer mounted assemblies available.
- Can be configured to suit a wide variety of application conditions which are not catered for by other manufacturers.
- Consumable material options available for high tensile fasteners, high grade material O-rings, oil seals and mechanical seals.

Our Design, Production, Quality Assurance and Control services are all managed from our Head Office. **Our Service & Maintenance Department offer technical back-up and spare parts for the operational life of the product thus allowing for full customer service and minimal maintenance downtime.**

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SPECIFICATIONS

Sizes: as per ISO 2858 standards

Heads: up to 160 metres

Capacities: up to 250 litres per second

Casing: Standard Cast Iron AS1830 T260 Grade. Alternative options include but are not limited to:

- Austenitic Iron AS1833 203
- Stainless Steel AS2074 /H6B
- Zinc free bronze AS1565 / C90250
- Duplex, Alloy 20, 27% Chrome, Cast Steel

Mounting feet are incorporated in the casing casting.

Flanges: Dimensions are to AS2129 Table E, optional drillings on request.

Pump Cover: Supplied in the same material as the casing, incorporates the mechanical seal and stuffing box.

Stuffing Box: Standard design for DIN 24960 seal bores. Cartridge type available on request.

Impeller: Standard Cast Iron AS1830 T260 Grade. Alternative material options are as above in casing manufacture.

Wear rings: Available as an option in standard leaded bronze. Alternative material options available on request.

O-rings: Reusable O-ring body seals in nitril as standard and viton as an option.

Shaft: Rigid heavy duty design type stainless steel 590 Mpa UTS AS2837-431. Alternative materials are available and include type 316 or Duplex 2205.

Mechanical Seal: Single or double mechanical seals running on stainless steel shaft are available in balanced or unbalanced configuration of various types to suit particular applications. External clean water flushing and cooling can be supplied for high temperature, abrasive or toxic applications.

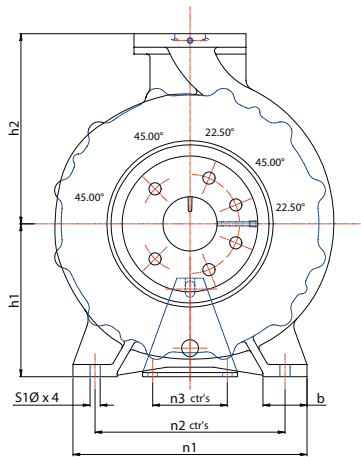
Packed Gland: Optional on request.

Bearings: Heavy duty deep groove ball bearings. Greasable and fitted with grease nipples. Available as sealed for life, or running in oil filled housing. Bearing housing is fitted with breather and oil level and drain plugs. Optional constant level oilers and oil cooling is also available.

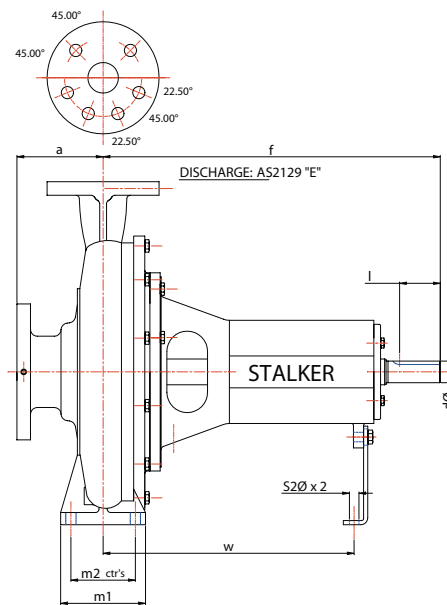
Bearing Housing: Is of cast iron, flanged to suit casing and cover, and incorporates large openings for access to stuffing box.

Bearing Covers: Are of cast iron and fitted with rubber "Oil Seals" to exclude dust and water from the bearings. Covers are held in place by high tensile hex head screws.

Dimension Data (mm)



SUCTION: AS2129 "E"



SIZE DESIGNATION			PUMP				SUPPORT							MOUNTING		SHAFT	
INLET	OUTLET	IMPELLER	a	f	h1	h2	b	m1	m2	n1	n2	n3	w	s1	s2	d	l
50	32	160	80	385	132	160	50	100	70	240	190	110	285	M12	M12	24	50
50	32	200	80	385	160	180	50	100	70	240	190	110	285	M12	M12	24	50
50	32	250	100	500	180	225	65	125	95	320	250	110	370	M12	M12	32	80
65	50	160	80	385	132	160	50	100	70	240	190	110	285	M12	M12	24	50
65	40	200	100	385	160	180	50	100	70	265	212	110	285	M12	M12	24	50
65	40	250	100	500	180	225	65	125	95	320	250	110	370	M12	M12	32	80
65	40	315	125	500	200	250	65	125	95	345	280	110	370	M12	M12	32	80
80	65	160	100	385	160	180	50	100	70	265	212	110	285	M12	M12	24	50
80	50	200	100	385	160	200	50	100	70	265	212	110	285	M12	M12	24	50
80	50	250	125	500	180	225	65	125	95	320	250	110	370	M12	M12	32	80
80	50	315	125	500	225	280	65	125	95	345	280	110	370	M12	M12	32	80
100	80	160	100	500	160	200	65	125	95	280	212	110	370	M12	M12	32	80
100	65	200	100	500	180	225	65	125	95	320	250	110	370	M12	M12	32	80
100	65	250	125	500	200	250	80	160	120	360	280	110	370	M16	M12	32	80
100	65	315	125	530	225	280	80	160	120	400	315	110	370	M16	M12	42	110
125	80	400	125	530	280	355	80	160	120	435	355	110	370	M16	M12	42	110
125	100	200	125	500	200	280	80	160	120	360	280	110	370	M16	M12	32	80
125	100	250	140	530	225	280	80	160	120	400	315	110	370	M16	M12	42	110
125	100	315	140	530	250	315	80	160	120	400	315	110	370	M16	M12	42	110
125	100	400	140	530	280	355	100	200	150	500	400	110	370	M20	M12	42	110
150	125	250	140	530	250	355	80	160	120	400	315	110	370	M16	M12	42	110
150	125	315	140	530	280	355	100	200	150	500	400	110	370	M20	M12	42	110
150	125	400	140	530	315	400	100	200	150	500	400	110	370	M20	M12	42	110
200	150	250	160	530	280	375	100	200	150	500	400	110	370	M20	M12	42	110
200	150	315	160	670	315	400	100	200	150	550	450	140	500	M20	M16	48	110
200	150	400	160	670	315	450	100	200	150	550	450	140	500	M20	M16	48	110
200	150	500	160	670	400	505	100	220	150	550	450	140	500	M20	M16	55	110
250	200	315	180	670	315	450	100	205	150	550	450	140	500	M20	M16	48	110
250	250	400	200	670	400	500	105	250	200	600	500	140	500	M20	M16	55	110



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