DAB®
WATER•TECHNOLOGY

DAB

ITALIAN QUALITY & RELIABILITY FOR OVER 40 YEARS

2018

WHITE® INTERNATIONAL

ITALIAN QUALITY & RELIABILITY

DAB PUMPS was founded 40 years ago in northern Italy. With an Italian passion for innovation and quality, DAB has a proven brand reputation for trusted reliability across an extensive range of motor-driven water pumps.

Today DAB is recognised in Australia, NZ and globally, as one of the leading pump companies in the world. With production of more than 2 million motor-driven water pumps each year, DAB offers a complete line of pumping solutions that meet even the most specific requirements, while ensuring the highest degree of reliability and local technical support.

DAB is a major player in the sector of the technologies for the movement and management of our most precious resource, water.

DAB offers technological solutions capable of ensuring reliability and efficiency, and to optimise energy consumption in residential building service, commercial building service, agricultural and irrigation applications.

DAB puts people at the centre of every action, strategy and development plan.

DAB produces reliable products, technically advanced, easy to install and efficient, ensuring high energy savings in the following domestic and residential application sectors: heating and air conditioning, water supply and pressurisation, irrigation and gardening, use of rain water, draining, collection and disposal of waste water and circulation.

DAB develops technologically advanced solutions, highly efficient and reliable, for many commercial application sectors: from heating and air conditioning circulation systems, to water supply and fire-fighting system pressurisation, to the disposal of waste water.

DAB offers pumping solutions for the extraction of water from the subsoil for agricultural and irrigation purposes. High quality submersible pumps and motors, reliable and capable of guaranteeing high energy efficiency. A wide range to meet the needs of any types of systems, up to industrial and aqueduct applications.

"Simple and efficient solutions are the biggest types of innovations. The technology of our products speaks the same language of those who buy or use them. This is our strength."

Sandro Stramare
DAB Group CEO



DAB Pumps

White International

"Celebrating over 40 years together"

Company Overview

White International was founded in 1952 and acquired by the Lonsyd Group of companies in 1976. The Lonsyd Group is an Australian family owned company celebrating it's 40th year.

White International has rapidly grown into a national importation and distribution company servicing multiple markets focusing on premium quality products and leading brands from around the globe. Our personalised customer service has assisted greatly in achieving our current status of being a key supplier to the markets we service.

Our objective is to differentiate against alternate suppliers to industry and to build strategic relationships by continually exceeding our customers' expectations in everything we do.

White International is committed to providing consistency for our customers with full, on time supply of our products, profitable margins for our customers, and a memorable experience with each transaction. To live with this vision we have invested significantly in people and infrastructure.

We strive to ensure our team and culture possess a 'CAN DO' make it happen attitude.

Our head office is based in Sydney with distribution centres in Sydney, Australia and Auckland, New Zealand.

Customer Service – We have a dedicated Customer Service team to ensure all your enquiries are handled appropriately.

Sales Engineers/Pump Specialists – White International has a team of qualified Sales Engineers and Pump Specialists to provide technical assistance and recommendations for specific applications. Our staff receive ongoing training to ensure that we continue to provide a high level of service to our customers.

Workshop facilities – We have fully qualified and experienced staff on site to repair pumps and tool products under warranty.

After Sales Service & Support – We have for many years provided our customers with an After Sales Service hotline for consumers and/or customers to assist them with warranty issues.

White International
"Your true pump trading partner"

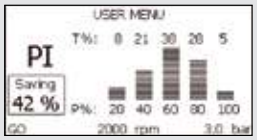
NEW INNOVATION

The E.SYBOX and E.SYBOXMINI³ are completely new solutions in rainwater harvesting and cold water boosting for residential and light commercial applications.

They are an all in one pump and control solution comprising water cooled booster pump with integrated high efficiency variable speed motor.

The water cooled motor and sound dampening casing creates the quietest booster pumps available today.

The variable speed pump allows large power savings and a histogram on the pump display shows how much power has been saved when compared to a fixed speed pump.



- **Save power**
- **Quick install**
- **Ultra compact**
- **Ultra low noise**

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Pressure Systems
Variable Frequency Drives

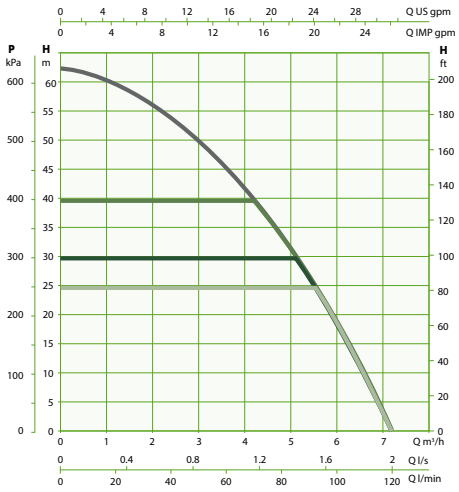
E.sybox

The E.sybox is an integrated system for water pressure boosting in domestic and residential applications. Consists of self-priming multistage pump, electronics for control and management, pressure and flow sensors, a high-resolution LCD display and integrated expansion vessel of 2 litres.

Special Features:

- Energy efficient to save you money
- It can be installed in vertical or horizontal position, in a ventilated room or in a recess
- Quiet operation - 45 dB in standard use
- Saves 30% of space in comparison with a traditional system
- Easy maintenance
- Wireless device to facilitate the creation of pressure booster sets and for connection to other devices
- LCD display can be repositioned to suit user
- 2 Year DAB Pumps Warranty

Performance Curve:



Approved for Drinking Water AS/NZ 4020 Distributed by White International Pty Ltd

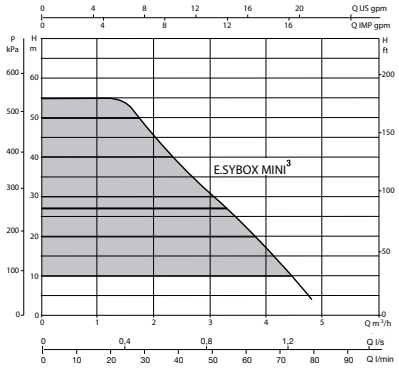
DAB 2 YEAR PARTS AND LABOUR WARRANTY

Model	P2	1 ph In	Water Temp	Connections		Weight	Dimensions			Taps
							W	D	H	
	kW	A	°C	Inlet	Outlet	kg	mm			
DAB-E.SYBOX 800621	1.55	10	0/40	1"BSPF	1"BSPF	24.8	263	352	564	12

E.sybox MINI³

NEW INNOVATION

E.SYBOX MINI³ is the DAB compact automatic pressurisation system for the water supply of a single dwelling. E.SYBOX MINI³ guarantees the comfort of constant pressure (Pressure Set Point adjustable from 1 up to 5.5 bar) inside the system, and energy savings thanks to the inverter technology.
Suitable for use with drinking water, in domestic systems, and in gardening applications. E.SYBOX MINI³ does not require any additional components for its installation.



Approved for Drinking Water AS/NZ 4020 Distributed by White International Pty Ltd

QUIET 45 dB (A) in normal operation

DAB 2 YEAR PARTS AND LABOUR WARRANTY

Model	P2	1 ph In	Water Temp	Connections		Weight	Dimensions			Taps
							W	D	H	
	kW	A	°C	Inlet	Outlet	kg	mm			
DAB-E.SYBOXMINI³ 805406	0.6	4.8	40	1"BSPF	1"BSPF	14.6	236	263	439	8

The E.SYBOX and E.SYBOXMINI³ are completely new solutions in rainwater harvesting and cold water boosting for residential and light commercial applications.

E.sybox Accessories

(Only for the E.sybox not for the E.sybox Mini)

E.sydock

Model	Pronto Code
DAB-ESYDOCK	801120

E.sydock makes installation rapid, easy and flexible.

- 4 plumbing configuration possibilities
- Complete with all interfaces required for connection
- Rapid disconnect function for easy maintenance
- Incorporates anti-vibration feet
- 1 ¼" suction and delivery fittings
- 293W x 318D x 180H E.SYDOCK
- 293W x 352D x 679H with E.SYBOX installed

E.sytwin

Model	Pronto Code
DAB-ESYTWIN	801121

E.sytwin is the evolution of E.sydock, creating connection between two pumps. A better, longer life

- E.sytwin ensures constant water supply thanks to the BACKUP function.
- The new software algorithms constantly analyse the operation of the system, thus optimizing alternating use of the two units.
- More power, less space
- E.sytwin offers exceptional performance thanks to combined operation with a 50% reduction in size compared to traditional units.
- Everything you need
- The wireless interface handles communication between the two units
- Ensures hydraulic connection without need for additional components for installation and operation
- Group operation visible on every display.
- 1 1/4" suction and delivery fittings
- 752W x 358D x 230H e.sytwin
- 752W x 358D x 730H with e.sybox installed

E.sywall

Model	Pronto Code
DAB-ESYWALL	801122

E.sywall mounting bracket

- Comes with brackets, screws and dowels
- Includes two accessories for absorption of vibrations

E.sylink kit

Model	Pronto Code
DAB-ESYLINK	802435

Wireless connection for DAB E.SYBOX

One E.SYLINK will communicate with a group of DAB-E.SYBOX pumps. Easily upgradable via a computer. Can be installed on DIN modules in standard electrical boxes (size 6 modules). LED for status indication and alarms. Includes E.SYLINK, USB cable, electrical box 8DIN, power supply and 3 cable gland.

Household Domestic Pressure Systems

Cast Iron Self Priming Jet Pumps

- Cast iron
- Reliable
- Low running cost
- Ideal for evaporative air conditioners
- Save power
- Maintenance free GWS Pressure Tank with stainless steel connection and FDA approved food grade butyl diaphragm
- Durability and strength in extreme conditions
- Suitable for dams and creeks with TEFC air gap motors
- Dry run resistance
- Includes fully adjustable pressure switches and pressure gauge

PRE-CHARGE

For PRESSURE SWITCH CONTROLLED PUMPS with traditional pressure differential of up to 140kPa (20psi), pre-charge to be 20kPa (3psi) below cut in pressure. Once the pre-charge is set, no regular air charge checks are required.

- 2 Year Pump Parts & Labour Warranty

DAB-62MP-8V
701435

GWS PressureWave Tanks - Energy Saving Device

- Extends pump life
- Hygenic - no maintenance
- Reduces noise
- Stores energy
- Reduces pump starts
- Protects against heat expansion
- Stops water wastage from hot water heaters
- 5 Year Tank Replacement Guarantee

DAB-102MP-20H
600159

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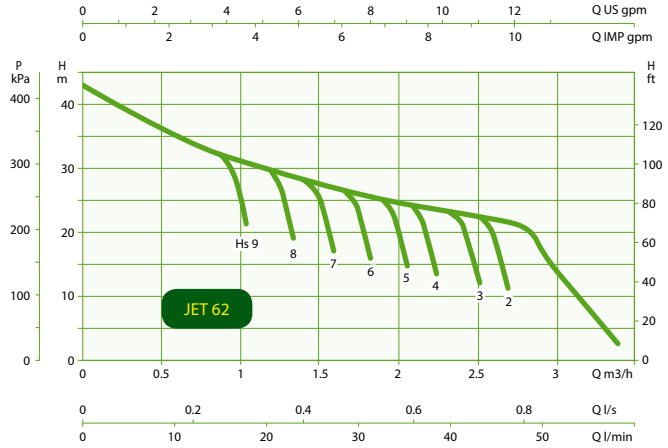
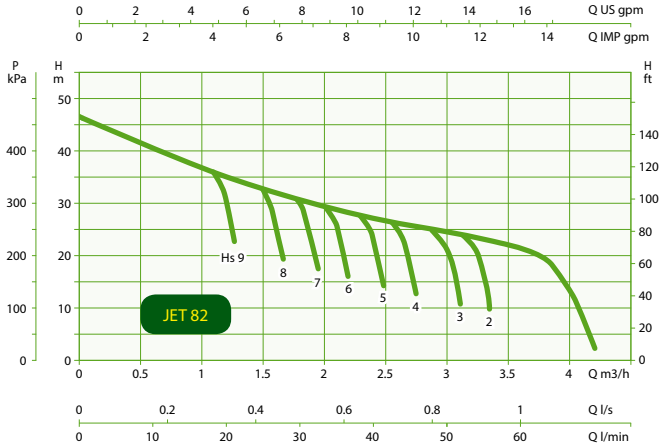
WaterMark

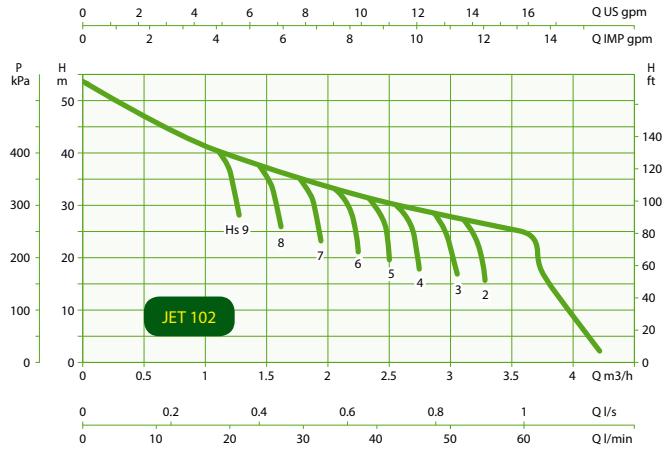
ATS 5200.485-2006 License No: 60044 Watermark Level 1 Water mark logo only applies to the GWS Energy Saver Tanks. The Watermark does not apply to pumps. Watermark applies to PressureWave Tank sizes 8, 18, 20, 35 & 60 Litres.

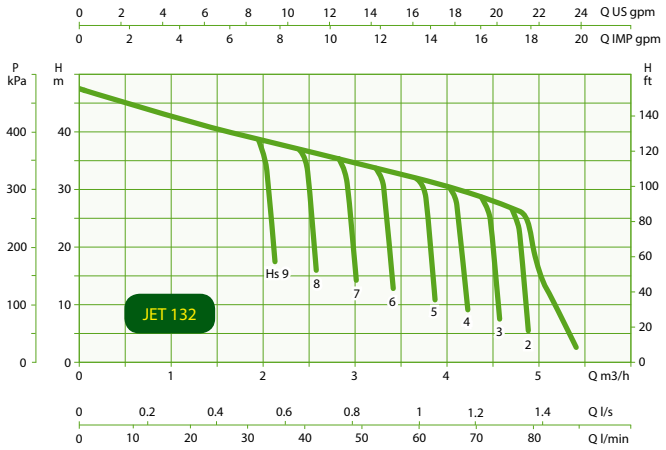
Cast Iron Self Priming Jet Pumps

Model	Input	Output	Taps	Nominal Pressure		Total Suction Head								Settings				Maximum Pump Pressure	
						0 m	0 ft	3 m	10 ft	5 m	16 ft	6 m	20 ft	Start		Stop			
	kW	kW		psi	kpa	l/m	gph	l/m	gph	l/m	gph	l/m	gph	psi	kpa	psi	kpa	psi	kpa
DAB-62MP 701434	0.72	0.44	4	26	179	45	594	40	528	32	422	28	370	26	179	44	303	60	411
DAB-82MP 701445	0.85	0.6	6	29	200	60	792	49	647	39	515	34	449	29	200	58	400	67	460
DAB-102MP 701376	1.13	0.75	6	29	200	60	792	49	647	40	528	35	462	29	200	58	400	76	527
DAB-132MP 701384	1.49	1.0	8	29	200	82	1083	74	977	63	832	55	726	29	200	58	400	68	470









Stainless Steel Self Priming Jet Pumps

- Fully adjustable pressure switch to reduce pressure fluctuations
- Self priming jet pump able to lift water up to 9 metres
- Stainless steel pump body for bacteria and corrosion resistance
- Brass non-return valve and fittings for strength and durability
- Pressure gauge to aid pressure switch adjustments
- Replaceable TEFC motor with air gap to stop seal failure water entry
- 2 Year Pump Parts & Labour Warranty
- AS/NZS 4020 Approved for Drinking Water

GWS PressureWave Tanks - Energy Saving Device *(tank sold separately)*

- Extends pump life • Reduces noise • Stores energy • Eliminates pump starts
- Protects against heat expansion • Stops water wastage from hot water heaters
- Maintenance free GWS Pressure Tank with stainless steel connection and FDA approved food grade butyl diaphragm.
- 5 Year Tank Replacement Guarantee

PRE-CHARGE

For PRESSURE SWITCH CONTROLLED PUMPS with traditional pressure differential of up to 140kPa (20psi), pre-charge to be 20kPa (3psi) below cut in pressure. Once the pre-charge is set, no regular air charge checks are required.

DAB-JINOX62MP
701597

Model	Input	Output	Taps	Nominal Pressure		Total Suction Head								Settings				Max. Pump Pressure	
						0 m	0 ft	3 m	10 ft	5 m	16 ft	6 m	20 ft	Start		Stop			
	kW	kW		psi	kpa	l/m	gph	l/m	gph	l/m	gph	l/m	gph	psi	kpa	psi	kpa	psi	kpa
DAB-JINOX62MP 701597	0.72	0.44	4	26	179	45	594	40	528	32	422	28	370	26	179	44	303	60	411
DAB-JINOX82MP 701605	0.85	0.6	6	29	200	60	792	49	647	39	515	34	449	29	200	58	400	67	460
DAB-JINOX102MP 701581	1.13	0.75	6	29	200	60	792	49	647	40	528	35	462	29	200	58	400	76	527
DAB-JINOX112MP 701588	1.4	1.0	6	44	303	58	766	48	634	40	528	35	462	44	303	73	503	87	597
DAB-JINOX132MP 701592	1.49	1.0	8	29	200	82	1083	74	977	63	832	55	726	29	200	58	400	68	470

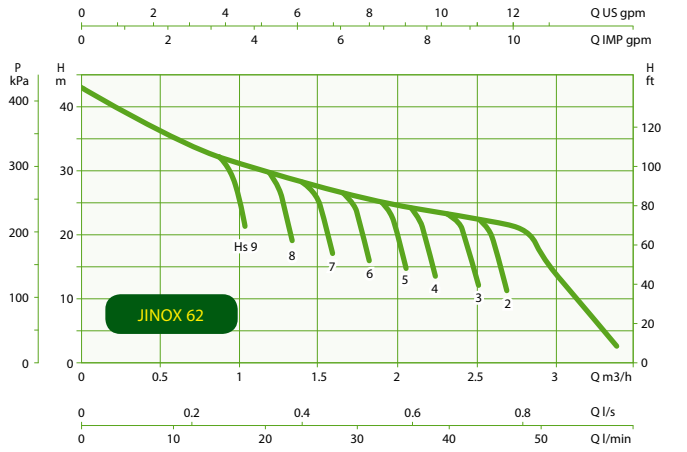
WaterMark

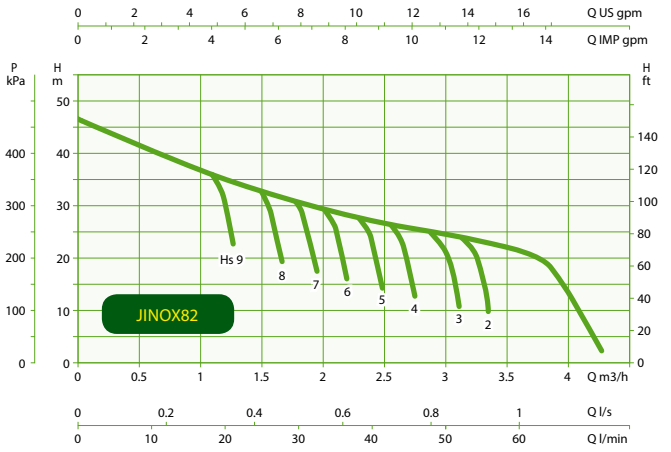
ATS 5200.485-2006 License No: 60044 Watermark Level 1 Water mark logo only applies to the GWS Energy Saver Tanks. The Watermark does not apply to pumps. Watermark applies to PressureWave Tank sizes 8, 18, 20, 35 & 60 Litres.

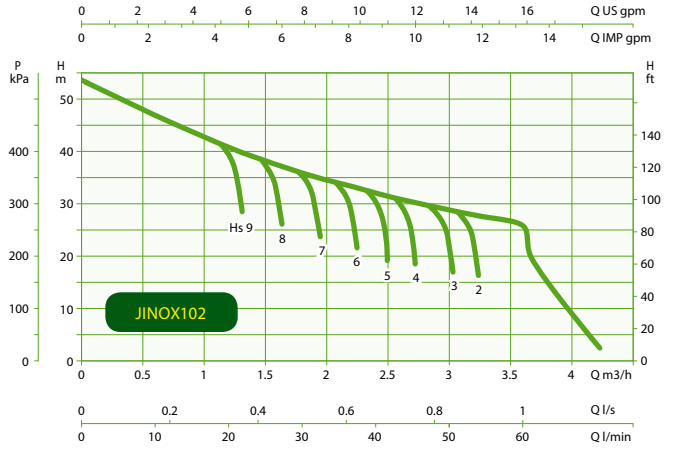
Why choose a Jet Pump?

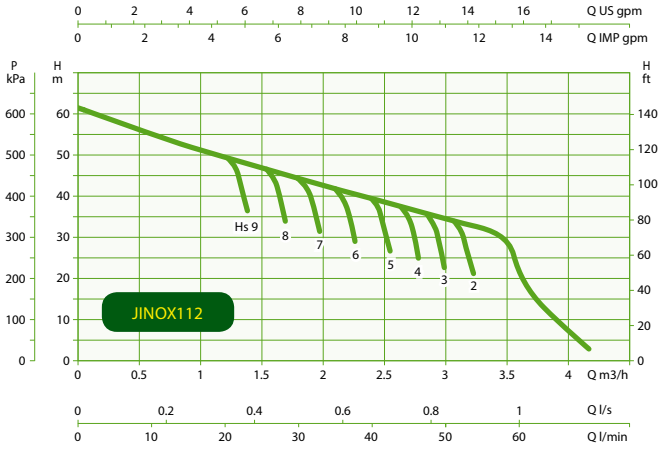
- Suitable for mixed flow applications
- Handles difficult suction environments
- Will tolerate aerated water

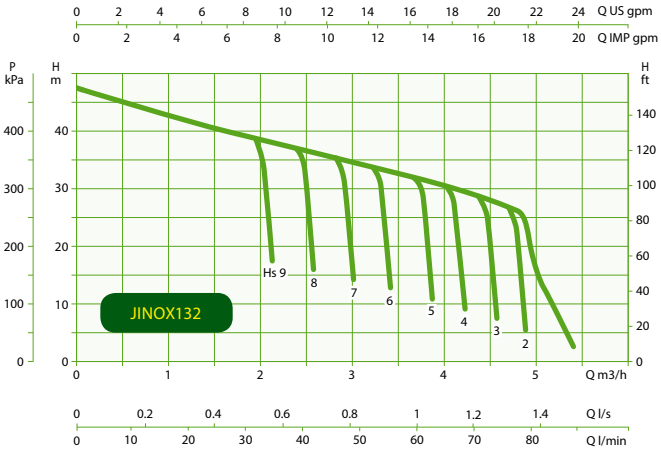
Stainless Steel Self Priming Jet Pumps











Disclaimer: Every effort has been made to publish the correct details in this brochure. No responsibility will be taken for errors, omissions or changes in product specifications.

Euroinox Stainless Steel Self Priming Horizontal Multistage Pumps

- Fully adjustable pressure switch to reduce pressure fluctuations
- Stainless steel pump body for bacteria and corrosion resistance
- Brass non-return valve and fittings for strength and durability
- Pressure gauge to aid pressure switch adjustments
- Replaceable TEFC motor with air gap to stop seal failure water entry
- 2 Year Pump Parts & Labour Warranty
- AS/NZS 4020 Approved for Drinking Water

DAB-EUROINOX30/50MP
701531

PRE-CHARGE

For PRESSURE SWITCH CONTROLLED PUMPS with traditional pressure differential of up to 140kPa (20psi), pre-charge to be 20kPa (3psi) below cut in pressure. Once the pre-charge is set, no regular air checks are required.

GWS PressureWave Tanks - Energy Saving Device *(tank sold separately)*

- Extends pump life • Reduces noise • Stores energy • Eliminates pump starts
- Protects against heat expansion • Stops water wastage from hot water heaters
- Maintenance free GWS Pressure Tank with stainless steel connection and FDA approved food grade butyl diaphragm.
- 5 Year Tank Replacement Guarantee

DAB 2 YEAR PARTS AND LABOUR WARRANTY

GWS 5 YEAR TANK REPLACEMENT GUARANTEE

Model	Input	Output	Taps	Nominal Pressure		Total Suction Head								Settings				Max. Pump Pressure	
						0 m	0 ft	3 m	10 ft	5 m	16 ft	6 m	20 ft	Start		Stop			
	kW	kW		psi	kpa	l/m	gph	l/m	gph	l/m	gph	l/m	gph	psi	kpa	psi	kpa	psi	kpa
DAB-EUROINOX30/50MP 701531	0.88	0.55	8	29	200	80	1056	74	977	71	937	68	898	29	200	58	400	60	413
DAB-EUROINOX40/50MP 701538	1.2	0.75	8	29	200	80	1056	74	977	71	937	68	898	44	303	73	503	82	565
DAB-EUROINOX40/80MP 701544	1.48	1.0	12	44	303	120	1584	96	1267	88	1162	84	1109	44	303	73	503	84	576
DAB-EUROINOX50/50MP*	1.48	1.0	8	44	303	80	1056	74	977	71	937	68	898	44	303	73	503	103	706

**Model sold in New Zealand only*

WaterMark

ATS 5200.485-2006 License No: 60044 Watermark Level 1
Water mark logo only applies to the GWS Energy Saver Tanks. The Watermark does not apply to pumps. Watermark applies to PressureWave Tank sizes 8, 18, 20, 35 & 60 Litres.

Approved for Drinking Water
AS/NZ 4020
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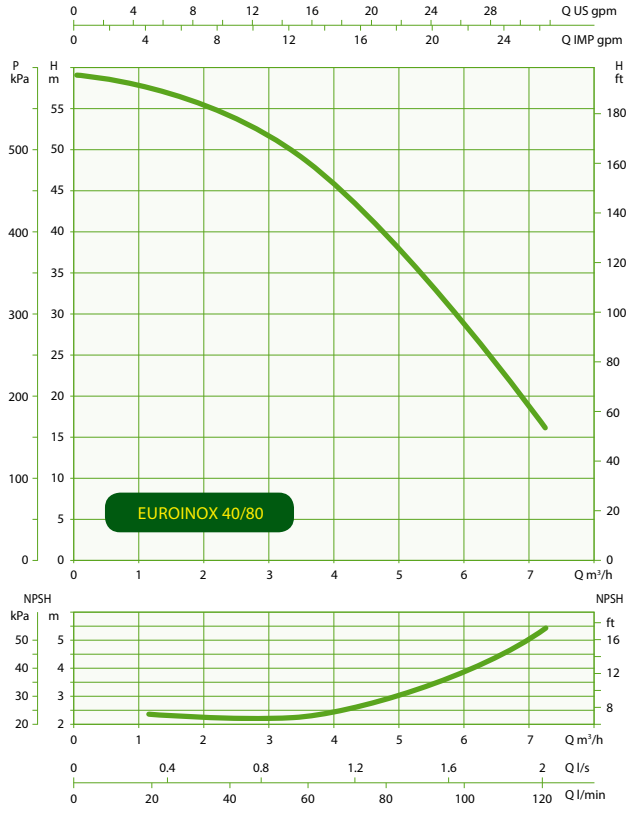
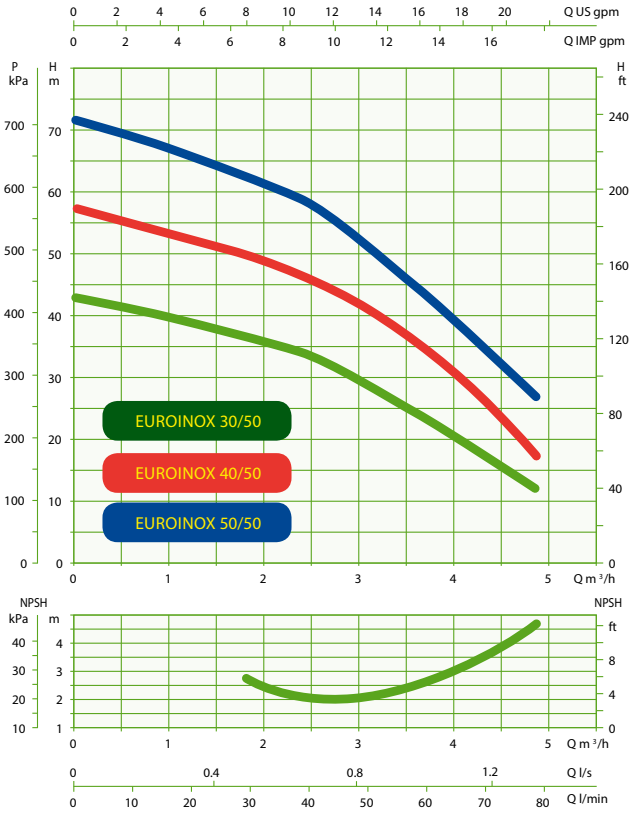
Why Choose a Multistage Pump?

- Quiet Operation
- Energy Efficient Motors
- High Flow Applications

Euroinox Stainless Steel Self Priming Horizontal Multistage Pumps



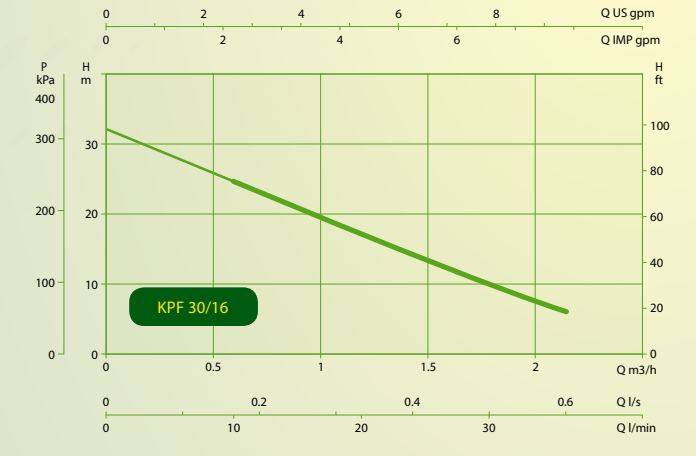


ELECTRONIC Household Pressure Systems

Peripheral Turbine Electronic Pressure System

- Peripheral turbine pumps are ideal for small drinking water applications: water tanks, caravans, weekenders, garden hose or 1 and 2 tap applications
- Cast iron pump body with special anti corrosion treatment - Cataphoresis is an electro chemical coating process for metallic surfaces widely used in the automotive industry owing to its penetration and long lasting life, either as priming coat or finished painting. Cataphoresis treatment is suitable where a high protection against weather conditions, alkali and diluted acids is requested
- Stainless steel motor shaft
- Electronic pump control with dry run protection and automatic restart
- Carbon / Ceramic mechanical seal
- DAB Pumps Designed In Italy
- 2 Year DAB Pump Warranty

Model	Pronto Code	Input	Output	Taps	Nominal Pressure		Total Suction Head								Settings				Maximum Pump Pressure	
							0 m	0 ft	3 m	10 ft	5 m	16 ft	6 m	20 ft	Start		Stop			
		kW	kW		psi	kpa	l/m	gph	l/m	gph	l/m	gph	l/m	gph	psi	kpa	psi	kpa	psi	kpa
DAB-KPF30-16MPCI	804781	0.53	0.37	2	22	150	27	356	23	304	20	264	19	251	22	150	Flow	Flow	46	317



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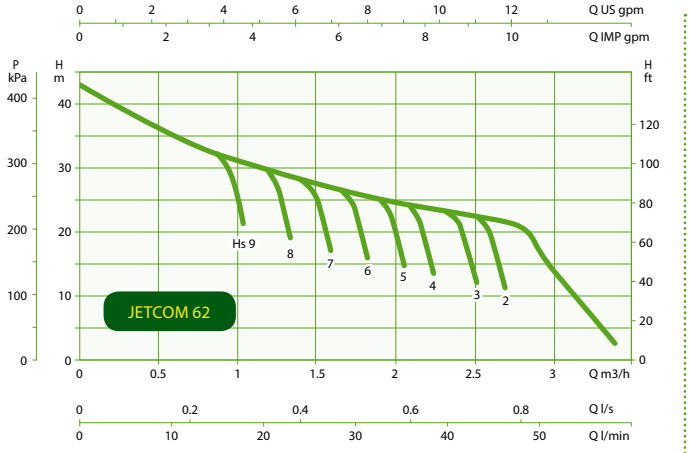
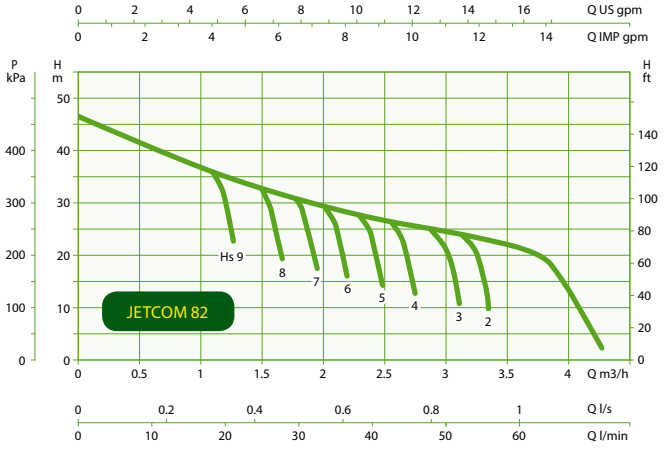
Self Priming Technopolymer Jet Electronic Pressure Systems

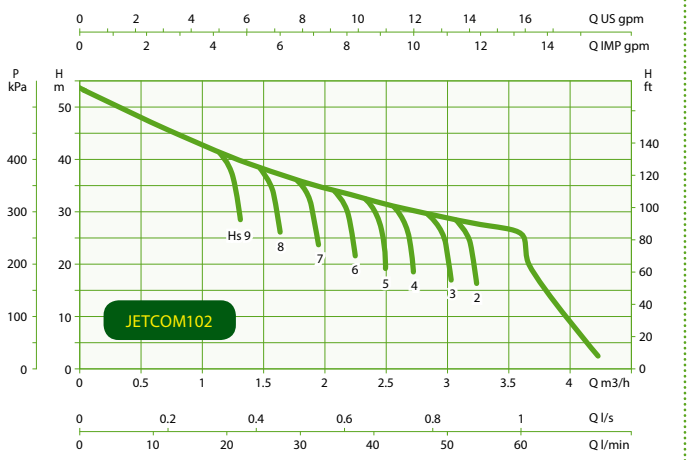
- Self Priming to 9 metres at sea level
- Designed specifically for rainwater tanks, shallow well, spear and bore holes to a maximum depth of 9 metres
- Ideal for drip irrigation and garden watering
- Designed for domestic and urban household pressure systems
- Electronic pump control with dry run protection and automatic restart
- Wear Rings: Stainless Steel
- Mechanical Seal: Carbon / Ceramic
- Seal Disc: Stainless Steel
- Motor Support: Die-Cast Aluminium
- Motorshaft: 304 Stainless Steel
- Impeller: Technopolymer
- Diffuser: Technopolymer
- Jet/Venturi: Technopolymer
- 2 Year DAB Pump Warranty
- DAB Pumps Designed In Italy
- AS/NZS 4020 Approved for Drinking Water

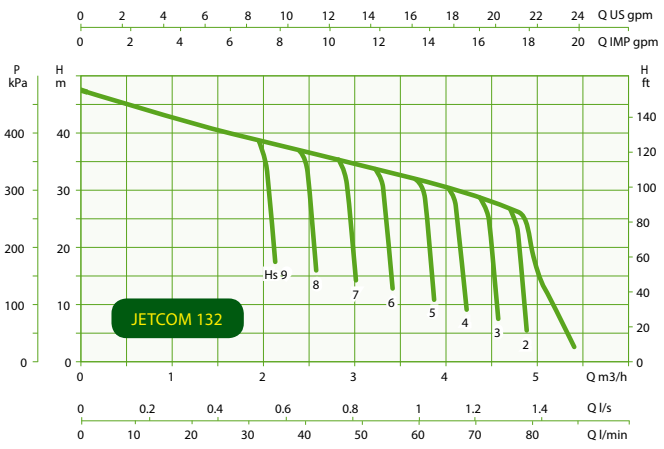
DAB-JETCOM102MPCI
804783

Model	Input	Output	Taps	Nominal Pressure		Total Suction Head								Settings				Maximum Pump Pressure	
						0 m	0 ft	3 m	10 ft	5 m	16 ft	6 m	20 ft	Start		Stop			
	kW	kW		psi	kpa	l/m	gph	l/m	gph	l/m	gph	l/m	gph	psi	kpa	psi	kpa	psi	kpa
DAB-JETCOM62MPCI 804782	0.72	0.44	4	22	150	45	594	40	528	32	422	28	370	22	150	Flow	Flow	60	411
DAB-JETCOM82MPCI 804855	0.85	0.6	6	22	150	60	792	49	647	39	515	34	449	22	150	Flow	Flow	67	460
DAB-JETCOM102MPCI 804783	1.13	0.75	6	22	150	60	792	49	647	40	528	35	462	22	150	Flow	Flow	76	527
DAB-JETCOM132MPCI 805036	1.49	1.0	8	22	150	82	1083	74	977	63	832	55	726	22	150	Flow	Flow	68	470









Disclaimer: Every effort has been made to publish the correct details in this brochure. No responsibility will be taken for errors, omissions or changes in product specifications.

Euroinox Stainless Steel Self Priming Horizontal Multistage Electronic Pressure Systems

- Stainless steel hygienic pumps
- Resist naturally occurring water borne bacteria
- Unique self priming design makes these pumps ideal for long suctions and large homes
- Electronic pump control with dry run protection and auto restart
- Emit less noise, making them ideal for all high density urban applications
- 2 year Pump Parts & Labour Warranty
- DAB Pumps Made in Italy
- AS/NZS 4020 Approved for Drinking Water

DAB-EUROINOX40/50MPCI
804778

Model	Input	Output	Taps	Nominal Pressure		Total Suction Head								Settings				Maximum Pump Pressure	
						0 m	0 ft	3 m	10 ft	5 m	16 ft	6 m	20 ft	Start		Stop			
	kW	kW		psi	kpa	l/m	gph	l/m	gph	l/m	gph	l/m	gph	psi	kpa	psi	kpa	psi	kpa
DAB-EUROINOX30/50MPCI 804777	0.88	0.55	8	22	150	80	1056	74	977	71	937	68	898	22	150	Flow	Flow	60	414
DAB-EUROINOX40/50MPCI 804778	1.2	0.75	8	22	150	80	1056	74	977	71	937	68	898	22	150	Flow	Flow	84	579
DAB-EUROINOX40/80MPCI 804788	1.48	1.0	12	22	150	120	1584	96	1267	88	1162	84	1109	22	150	Flow	Flow	84	579
DAB-EUROINOX50/50MPCI* 805038	1.48	1.0	8	44	303	80	1056	74	977	71	937	68	898	22	150	Flow	Flow	103	706

*Model sold in New Zealand only

DAB 2 YEAR PARTS AND LABOUR WARRANTY

Approved for Drinking Water AS/NZ 4020 Distributed by White International Pty Ltd

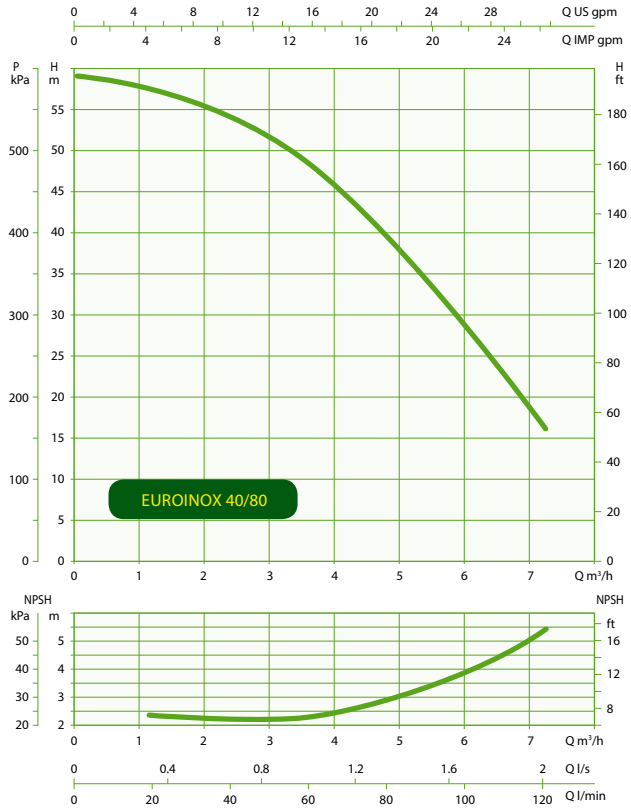
COVER YOUR PUMP!

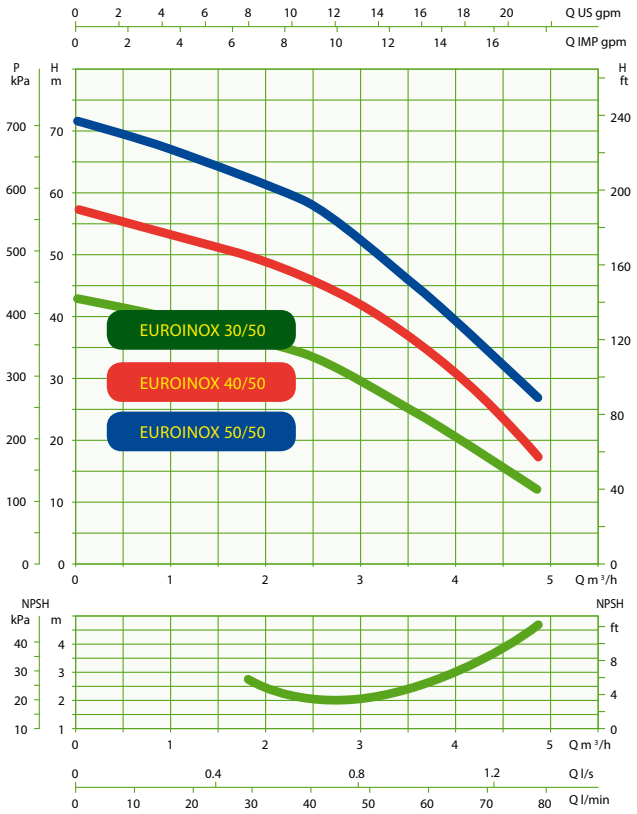
Protect your pump from the elements!

To extend the working life of your pump cover your pump from the elements. Refer to DAB Pump warranty terms and conditions which relate to DAB Pumps only.
Pump covers are sold separately and available from most water tank manufacturers.

WHI-PROMOPUMPCOVER
710821

Euroinox Stainless Steel Self Priming Horizontal Multistage Electronic Pressure Systems





Cast Iron Self Priming Electronic Pressure Systems

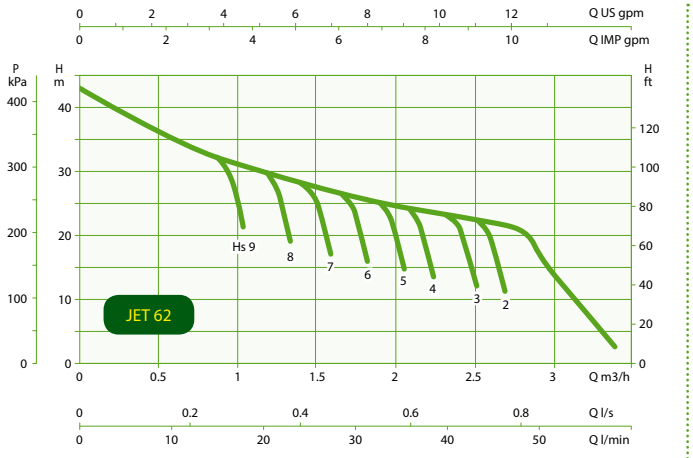
- Quiet running, heavy duty, cast iron corrosion and frost resistant pump body. Self primes for longer suction with TEFC air gap motors
- Suitable for water supply applications with suction wells, water supply and boosting of domestic systems
- Electronic pump control with dry run protection and auto restart
- 2 Year Pump Parts & Labour Warranty

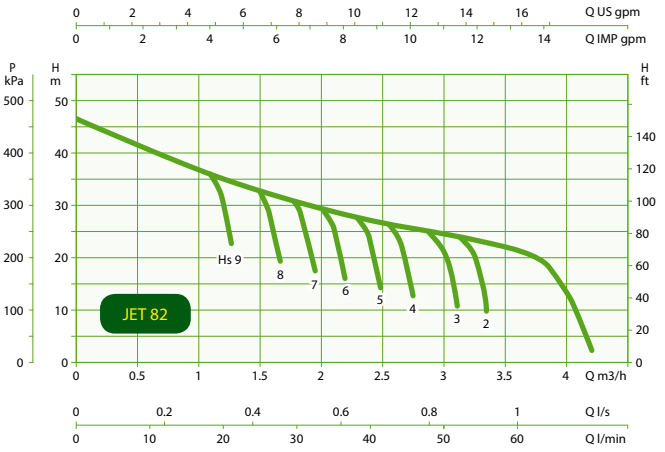
Approved for Drinking Water AS/NZ 4020 Distributed by White International Pty Ltd

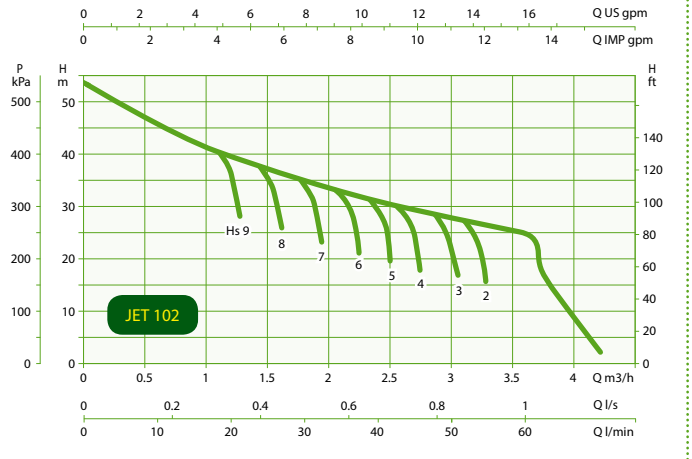
DAB 2 YEAR PARTS AND LABOUR WARRANTY

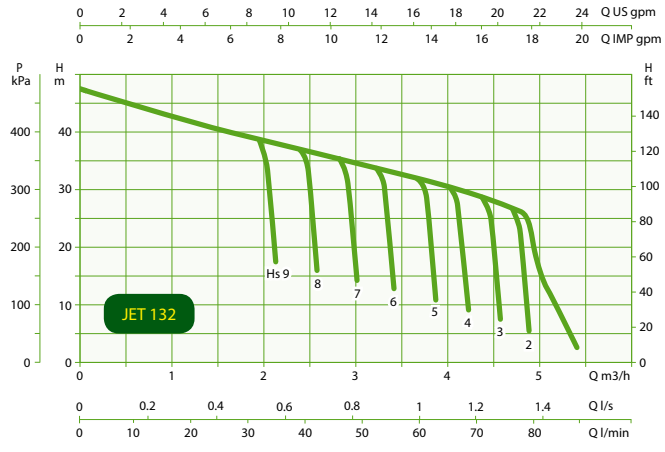
DAB-132MPCI
804786

Model	Pronto Code	Input	Output	Taps	Nominal Pressure		Total Suction Head								Settings				Maximum Pump Pressure	
							0 m	0 ft	3 m	10 ft	5 m	16 ft	6 m	20 ft	Start		Stop			
		kW	kW		psi	kpa	l/m	gph	l/m	gph	l/m	gph	l/m	gph	psi	kpa	psi	kpa	psi	kpa
DAB-62MPCI	804784	0.72	0.44	4	22	150	45	594	40	528	32	422	28	370	22	150	Flow	Flow	60	411
DAB-82MPCI	804856	0.85	0.6	6	22	150	60	792	49	647	39	515	34	449	22	150	Flow	Flow	67	460
DAB-102MPCI	804785	1.13	0.75	6	22	150	60	792	49	647	40	528	35	462	22	150	Flow	Flow	76	527
DAB-132MPCI	804786	1.49	1.0	8	22	150	82	1083	74	977	63	832	55	726	22	150	Flow	Flow	68	470









Stainless Steel Self Priming Electronic Pressure Jet Pumps

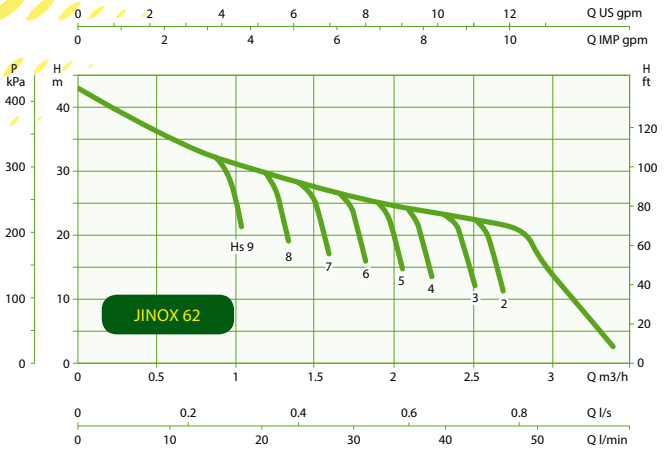
- Stainless steel hygienic jet pumps
- High performance
- Corrosion resistant
- Self priming for long and difficult suction applications
- Suitable for tanks, dams and creeks
- 2 Year Pump Parts & Labour Warranty
- AS/NZS 4020 Approved for Drinking Water

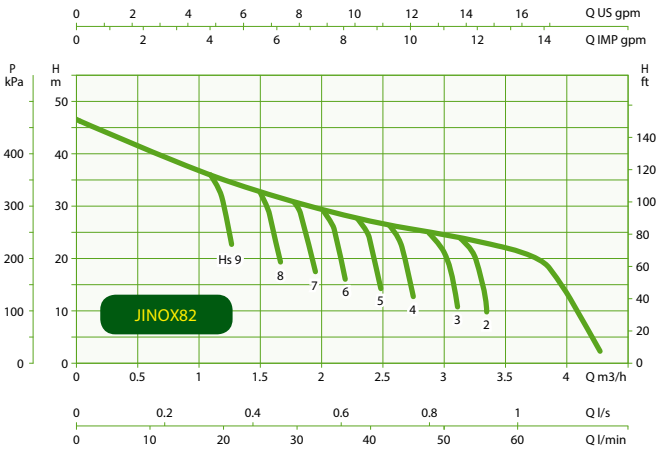
DAB-JINOX102MPCI
804775

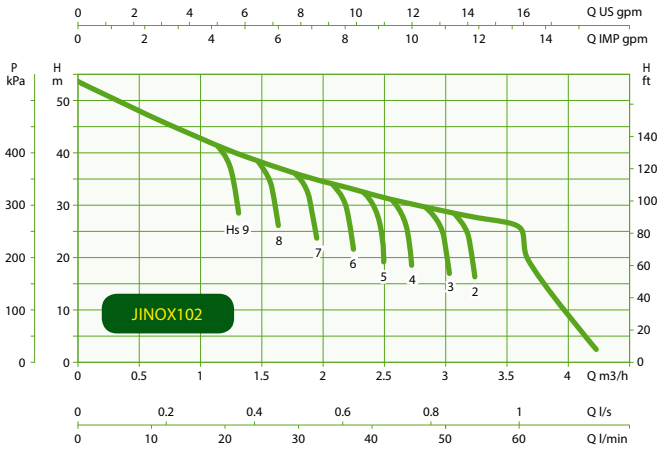
Model	Pronto Code	Input	Output	Taps	Nominal Pressure		Total Suction Head								Settings				Maximum Pump Pressure	
							0 m	0 ft	3 m	10 ft	5 m	16 ft	6 m	20 ft	Start		Stop			
		kW	kW		psi	kpa	l/m	gph	l/m	gph	l/m	gph	l/m	gph	psi	kpa	psi	kpa	psi	kpa
DAB-JINOX62MPCI	804787	0.72	0.44	4	22	150	45	594	40	528	32	422	28	370	22	150	Flow	Flow	61	421
DAB-JINOX82MPCI	804857	0.85	0.6	6	22	150	60	792	49	647	39	515	34	449	22	150	Flow	Flow	67	462
DAB-JINOX102MPCI	804775	1.13	0.75	6	22	150	60	792	49	647	40	528	35	462	22	150	Flow	Flow	77	531
DAB-JINOX112MPCI	804854	1.4	1.0	6	22	150	58	766	48	634	40	528	35	462	22	150	Flow	Flow	81	558
DAB-JINOX132MPCI	804776	1.49	1.0	8	22	150	82	1083	74	977	63	832	55	726	22	150	Flow	Flow	69	476

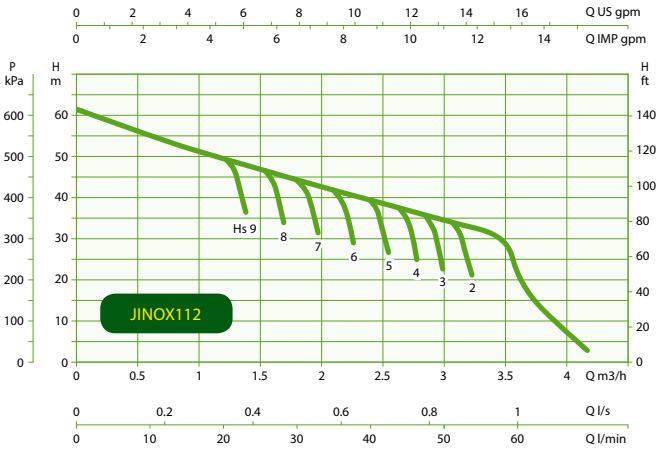
Italian Quality & Reliability

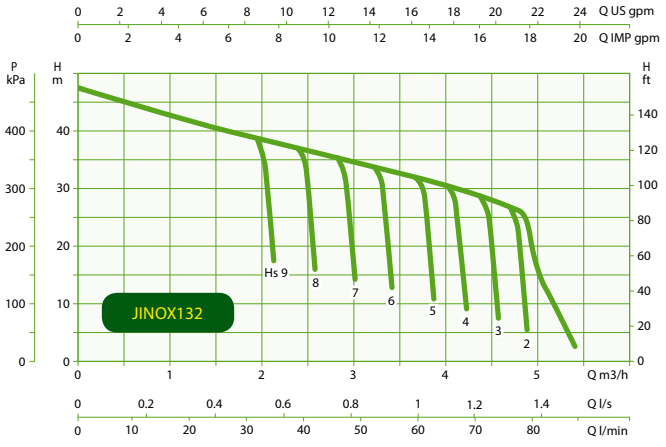
Stainless Steel Self Priming Electronic Pressure Jet Pumps





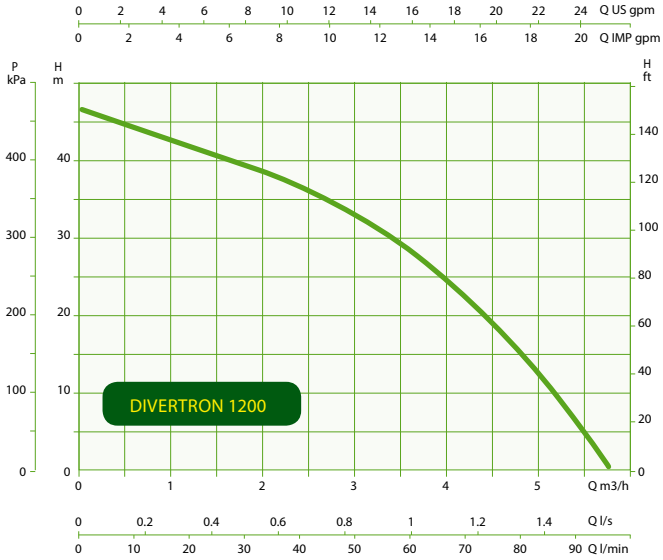






Submersible Household Electronic Pressure System

- Ideal pump for rainwater tank installations
- Incorporates an electronic automatic restart pump control with dry run protection
- Stainless Steel filter to protect pump
- Corrosion resistant pump components
- Fully automatic operation
- Supplied wired and ready to install
- Shaft seal with sand protection boot
- In-built non-return valve and flow sensor
- Built in sand filter to protect pressure switch
- 240V single phase motor with in-built auto reset thermal overload
- 15m power cable
- 2 Year DAB Warranty • DAB pumps designed in Italy
- AS/NZS4020 Approved for Drinking Water



Model	Pronto Code	Input	Output	Taps	Nominal Pressure		Settings				Maximum Pump Pressure	
							Start		Stop			
		kW	kW		psi	kpa	psi	kpa	psi	kpa	psi	kpa
DAB-DIVERTRON1200	701505	1.1	0.75	9	38	265	38	265	flow	flow	68	470
DAB-DIVERTRON1200X	701506	1.1	0.75	9	38	265	38	265	flow	flow	68	470

DAB 2 YEAR PARTS AND LABOUR WARRANTY

Approved for Drinking Water AS/NZ 4020 Distributed by White International Pty Ltd

Submersible Pressure Systems

- Quiet operation
- Simple installation
- Ideal for dense urban areas
- Does not require external pump control

Surface Mounted Pumps

Self Priming Jet/Spear Point

DAB Jet pumps are renowned for their unique self priming and extraordinary deep suction capability: up to 9 metres at sea level. Available in Cast iron and stainless steel, they are designed to handle abrasive and corrosive water which makes them ideally suited for spear point applications.

- 2 Year Pump Parts & Labour Warranty

Model	Pronto Code	Material	Description
DAB-JINOX62M	701596	Stainless Steel	0.44 kW, 0.6 hp, 240V
DAB-JINOX82M	701603	Stainless Steel	0.6 kW, 0.8 hp, 240V
DAB-JINOX102M	701580	Stainless Steel	0.75 kW, 1.0 hp, 240V
DAB-JINOX112M	701587	Stainless Steel	1.0 kW, 1.36 hp, 240V
DAB-JINOX132M	701591	Stainless Steel	1.0 kW, 1.36 hp, 240V
DAB-62M	701433	Cast iron	0.44 kW, 0.6 hp, 240V
DAB-82M	701444	Cast iron	0.6 kW, 0.8 hp, 240V
DAB-102M	701375	Cast iron	0.75 kW, 1.0 hp, 240V
DAB-132M	701383	Cast iron	1.0 kW, 1.36 hp, 240V
DAB-JETCOM62MPP	701573	Technopolymer	0.44 kW, 0.6 hp, 240V
DAB-JETCOM82MPP	701578	Technopolymer	0.60 kW, 0.8 hp, 240V
DAB-JETCOM102MPP	701568	Technopolymer	0.75 kW, 1.0 hp, 240V
DAB-JETCOM132M	800427	Technopolymer	1.0kW, 1.36hp, 240V

Note: Jetcom MPP Pumps are fitted with "plug and play" leads.

DAB-JINOX62M
701596

DAB-62M
701433

DAB-JETCOM62MPP
701573

Horizontal Multistage

Ideal for domestic use for water supply and pressurisation, irrigation of gardens and moving of water in general.

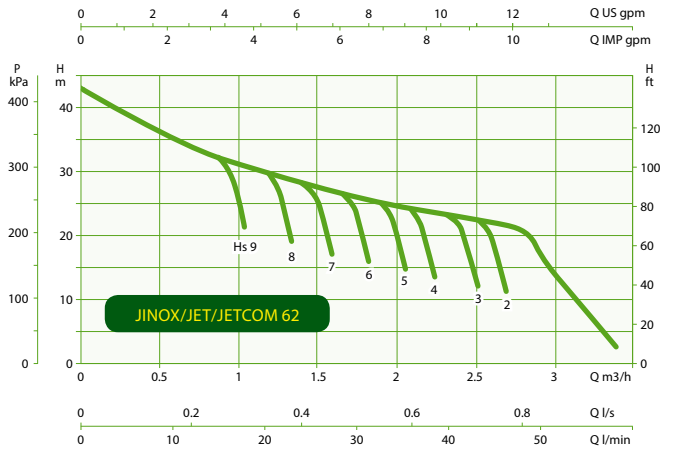
- 2 Year Pump Parts & Labour Warranty.

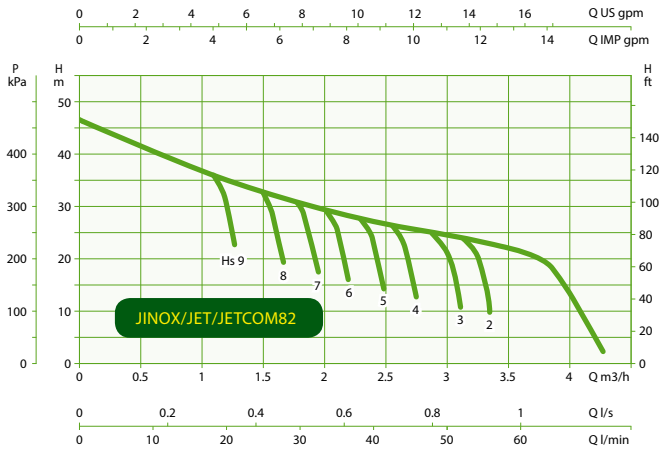
Model	Pronto Code	Material	Description
DAB-EUROINOX30/50M	701530	Stainless Steel	0.55 kW, 0.75 hp, 240V
DAB-EUROINOX40/50M	701536	Stainless Steel	0.8 kW, 1.1 hp, 240V
DAB-EUROINOX40/80M	701542	Stainless Steel	1.0 kW, 1.36 hp, 240V
DAB-EUROINOX50/50M*	600223	Stainless Steel	1.0kW, 1.36hp, 240V

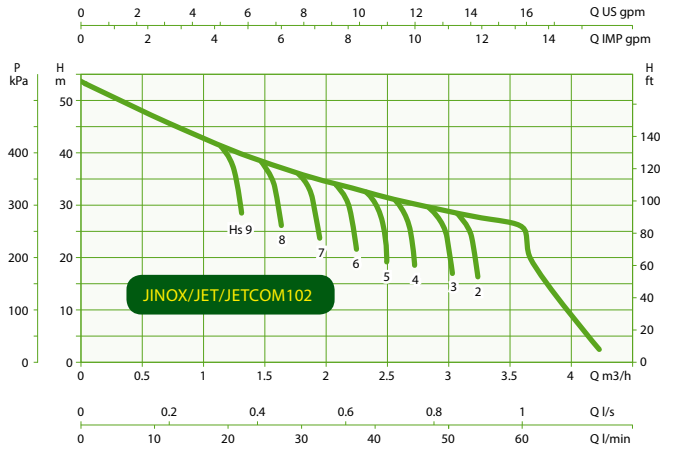
*Model sold in New Zealand only

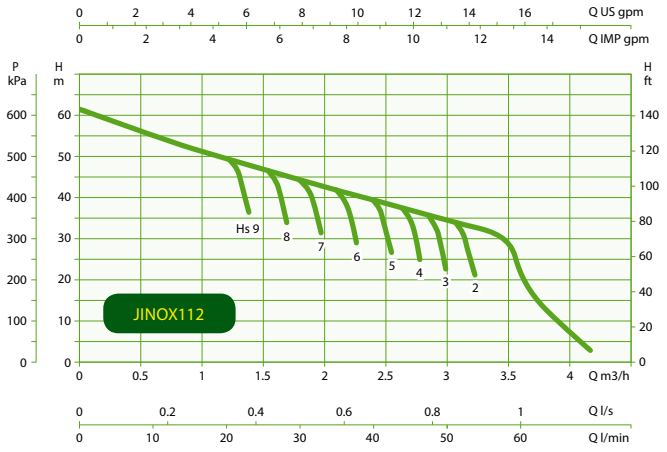
DAB-EUROINOX

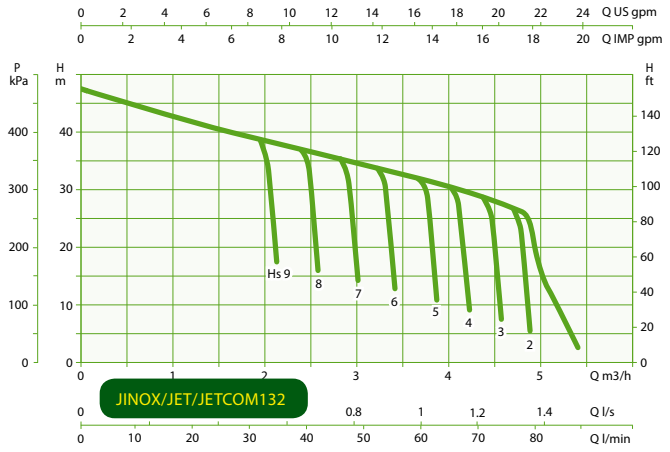
Surface Mounted Pumps
Self Priming

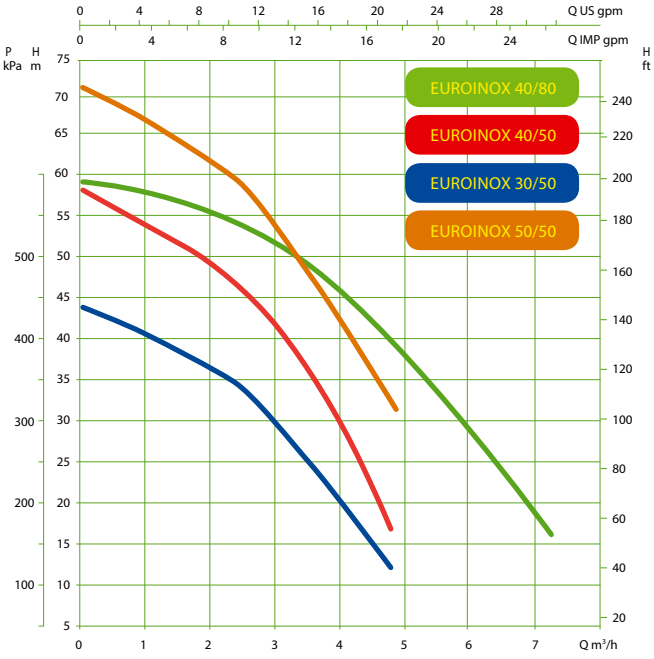












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Shallow Well Heavy Duty Self Priming Jet/Spear Point Pumps

DAB-151MP
701389

Cast Iron Jet Pumps

DAB pumps offer a large range of pumps suitable for pressure boosting, irrigation, wash down applications. Designed for pumping from tanks, rivers and dams. These pumps are very reliable in the toughest of environments.

- 2 year DAB pumps warranty & 5 year tank guarantee
- Fully adjustable Industrial quality IP56 pressure switch and gauge

WaterMark

ATS 5200.485-2006 License No: 60044 Watermark Level 1 Water mark logo only applies to the GWS Energy Saver Tanks. The Watermark does not apply to pumps. Watermark applies to PressureWave Tank sizes 8, 18, 20, 35 & 60 Litres.

DAB-151MPCI
804779

PRE-CHARGE

For PRESSURE SWITCH CONTROLLED PUMPS with traditional pressure differential of up to 140kPa (20psi), pre-charge to be 20kPa (3psi) below cut in pressure. Once the pre-charge is set, no regular air charge checks are required.

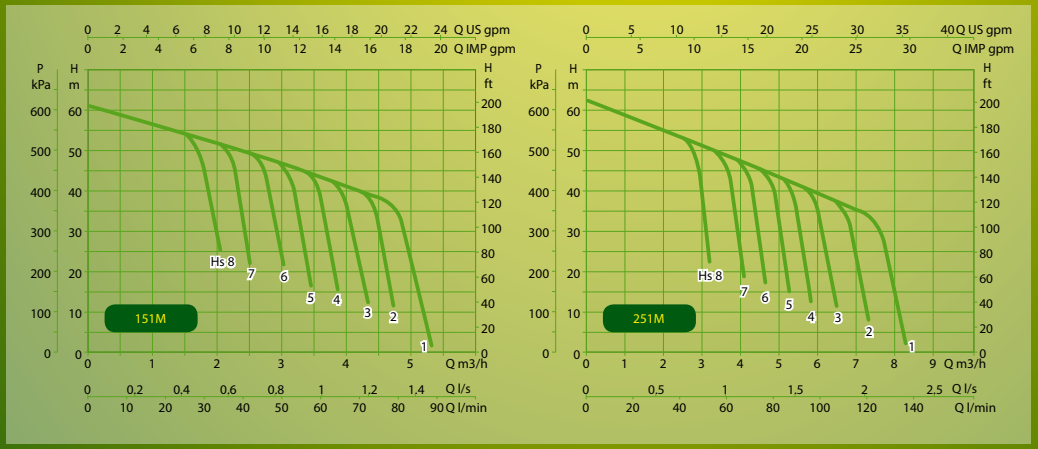
FLE-PWS60H
703038

GWS PressureWave Tanks
- Energy Saving Device
- Extends pump life
- Reduces noise
- Stores energy
- Eliminates pump starts
- Protects against heat expansion
- Stops water wastage from hot water heaters

Twin Stage Jet Assisted Pumps

- Suitable for suction depths up to 8 metres
- 2 year DAB warranty

Model	Pronto Code	Input	Output	Taps	Nominal Pressure		Total Suction Head								Settings				Maximum Pump Pressure	
							0 m	0 ft	3 m	10 ft	5 m	16 ft	6 m	20 ft	Start		Stop			
		kW	kW		psi	kpa	l/m	gph	l/m	gph	l/m	gph	l/m	gph	psi	kpa	psi	kpa	psi	kpa
DAB-151M	701388	1.6	1.1	8	45	310	79	1043	73	964	59	779	55	726	45	310	70	483	90	620
DAB-151MP	701389																			
DAB-151MPCI	804779																			
DAB-251M	701401	2.2	1.85	12	46	317	120	1584	107	1413	90	1188	79	1043	46	317	78	538	91	627
DAB-251MPCI	804780																			



DAB 2 YEAR PARTS AND LABOUR WARRANTY

GWS 5 YEAR TANK REPLACEMENT GUARANTEE

Approved for Drinking Water AS/NZ 4020
Distributed by White International Pty Ltd

Cast Iron Jet Pumps

DAB Pumps offer a large range of pumps suitable for pressure boosting, irrigation, wash down applications. Designed for pumping from tanks, rivers and dams. These pumps are very reliable in the toughest of environments.

- 2 year DAB pumps warranty & 5 year tank guarantee
- Fully adjustable Industrial quality IP56 pressure switch and gauge

GWS PressureWave Tanks - Energy Saving Device

- Extends pump life • Reduces noise • Stores energy • Eliminates pump starts
- Protects against heat expansion • Stops water wastage from hot water heaters

Approved for Drinking Water AS/NZ 4020 Distributed by White International Pty Ltd

PRE-CHARGE

For PRESSURE SWITCH CONTROLLED PUMPS with traditional pressure differential of up to 140kPa (20psi), pre-charge to be 20kPa (3psi) below cut in pressure.
Once the pre-charge is set, no regular air charge checks are required.

DAB 2 YEAR PARTS AND LABOUR WARRANTY

GWS 5 YEAR TANK REPLACEMENT GUARANTEE

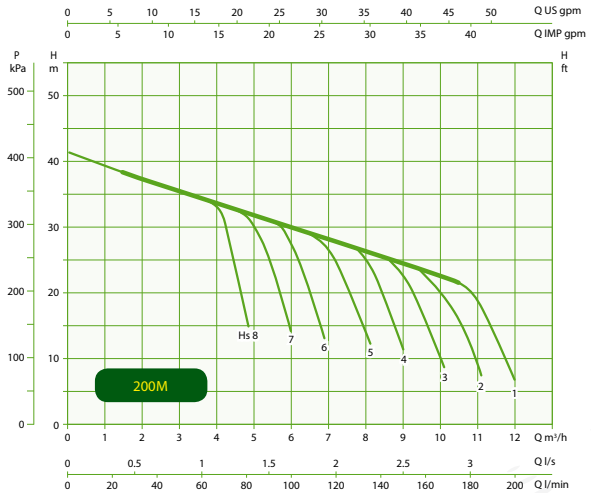
DAB-300MP/80V
NRV not supplied.

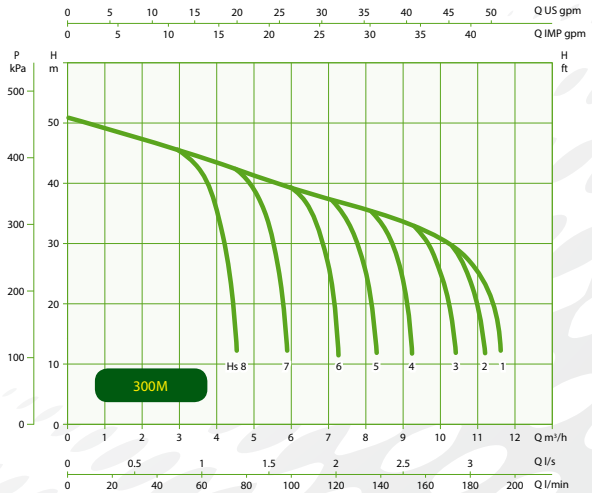
DAB-300MP/150V
NRV not supplied.

Single Stage Jet Assisted Pumps

- Suitable for suction depths up to 8 metres
- 2 year DAB warranty

Model	Pronto Code	Input	Out put	Taps	Nominal Pressure		Total Suction Head								Settings				Max. Pump Pressure	
							0 m	0 ft	3 m	10 ft	5 m	16 ft	6 m	20 ft	Start		Stop			
		kW	kW		psi	kpa	l/m	gph	l/m	gph	l/m	gph	l/m	gph	psi	kpa	psi	kpa	psi	kpa
DAB-200M	701398	2.0	1.5	18	25	172	185	2422	170	2244	142	1875	125	1650	25	172	43	296	59	407
DAB-200MP	701399																			
DAB-300M	701416	2.7	2.2	19	28	193	190	2508	170	2244	138	1822	120	1584	28	193	57	393	74	510
DAB-300MP	701417																			





DAB WATER•TECHNOLOGY

SHALLOW WELL SELECTION CHART

Model	kW hp	Total Suction Head m/ft		Delivery Head (metres/feet)															
				20	66	25	82	30	98	35	115	40	131	45	148	50	164	55	180
				Delivery Head (kPa/psi)															
				196	28	245	36	294	43	343	50	392	57	441	64	489	71	538	78
				Flow (litres/min, gallons/min)															
JET62 JETCOM62 JETINOX62	0.44 0.6	0 2 4 6 8	0 7 13 20 26	45 41 35 28 20	10 9 8 6 4	32 26 21 17 13	7 6 5 4 3	18 15 12 9 6	4 3 3 2 1	10 7 5	2 2 1								
JET82 JETCOM82 JETINOX82	0.6 0.8	0 2 4 6 8	0 7 13 20 26	60 55 43 34 27	13 12 9 7 6	44 38 33 28 22	10 8 7 6 5	30 25 20 16 13	18 15 12 9 6	7 6 4 4 3	4 3 3 2 1	10 7	2 2						
JET102 JETCOM102 JETINOX102	0.75 1.0	0 2 4 6 8	0 7 13 20 26			50 54 43 35 26	13 12 9 8 6	46 41 36 31 26	10 9 8 7 6	33 28 24 20 17	7 6 5 4 4	22 18 15 12 8	5 4 3 3 2	13 10 7	3 2 2				
JETINOX112	1.0 1.36	0 2 4 6 8	0 7 13 20 26					58 52 44 35 27	13 11 10 8 6	50 47 40 34 26	11 10 9 7 6	37 32 27 23 20	8 7 6 5 4	25 21 18 15 12	6 5 4 3 3	16 13 10 7	4 3 2 2	9 6	2 1
JET132 JETINOX132	1.0 1.36	0 2 4 6 8	0 7 13 20 26			82 79 68 55 38	18 17 15 12 8	71 61 53 46 38	16 13 12 10 8	51 43 35 27 20	11 9 8 6 4	30 23 16 9	7 5 4 2	13 5	3 1				
JET151	1.1 1.5	0 2 4 6 8	0 7 13 20 26									68 63 56 50 45	15 14 12 11 10	54 48 43 38 30	12 11 9 8 7	40 33 27 20 11	9 7 6 4 2	25 16	6 4
JET251	1.85 2.5	0 2 4 6 8	0 7 13 20 26									96 86 78 69 62	21 19 17 15 14	75 66 58 50 43	17 15 13 11 9	54 47 40 30 21	12 10 9 7 5	34 23 13	7 5 3
JET200	1.5 2.0	0 2 4 6 8	0 7 13 20 26			141 123 115 88 69	31 27 25 19 15	96 48 60 44 26	21 11 13 10 6	52 36	11 8								
JET300	2.2 3.0	0 2 4 6 8	0 7 13 20 26					169 157 143 128 113	37 35 31 28 25	135 121 108 90 72	30 27 24 20 16	100 81 64 47 33	22 18 14 10 7	54 39 24	129 5				

Deep Well / Borehole Heavy Duty Cast Iron

Farm and Irrigation Pressure Systems

Designed for deep well, offset and boreholes 100mm or larger to depths up to 27 metres. Available to operate automatic or manual. Features include TEFC air gap motors and a selection of injector kits to suit your needs.

For our range of pressure tanks refer to page 40-41.

GWS PressureWave Tanks - Energy Saving Device

- Extends pump life • Reduces noise • Stores energy • Eliminates pump starts
- Protects against heat expansion • Stops water wastage from hot water heaters

PRE-CHARGE

For PRESSURE SWITCH CONTROLLED PUMPS with traditional pressure differential of up to 140kPa (20psi), pre-charge to be 20kPa (3psi) below cut in pressure. Once the pre charge is set, no regular air charge checks are required.

DAB-DP151MP/80V Injectors and pressure tank sold separately

WaterMark

ATS 5200.485-2006 License No: 60044 Watermark Level 1 Water mark logo only applies to the GWS Energy Saver Tanks. The Watermark does not apply to pumps. Watermark applies to PressureWave Tank sizes 8, 18, 20, 35 & 60 Litres.

Approved for Drinking Water AS/NZ 4020 Distributed by White International Pty Ltd

Deep Well Cast Iron Pressure Systems

Model	Pronto Code	Description
DAB-DP151M	701508	1.1 kW, 1.5 hp, 240V
DAB-DP251M	701510	1.85 kW, 2.5 hp, 240V
DAB-DP151MP	701509	1.85 kW, 2.5 hp, 240V
DAB-DP251MP	701511	1.85 kW, 2.5 hp, 240V

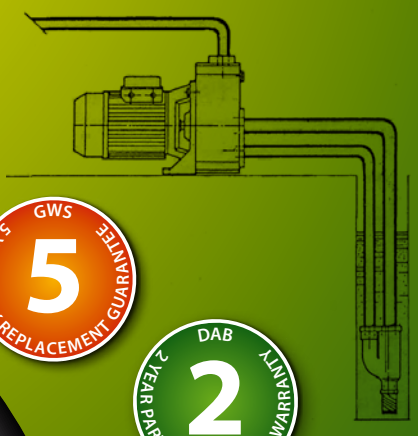
DAB-DP151MP/100V Injectors and pressure tank sold separately

Injector Kits

Injector kits also available.
E20, E25 & E30 KITS - Include:

- Injector body (including nozzle & Venturi)
- Foot valve
- Polypropylene tailpipes & pipe fittings
- Galvanised pump fittings
- Control valve
- Blanking plug
- Nipple

For our wide range of FDA approved pressure tanks to suit most needs, refer to page 40-41.



GWS 5 YEAR TANK REPLACEMENT GUARANTEE

DAB 2 YEAR PARTS AND LABOUR WARRANTY

DEEP WELL SELECTION CHART

Model	kW hp	Injector Kit	Minimum Outlet Pressure			Depth to water (metres/feet)													
			bar	kPa	psi	9	30	12	39	15	49	18	59	21	69	24	79	27	89
						Flow (litres/min, gallons/min)													
DP151	1.1	E20	3.0	300	44	58	12.8	52	11.4	45	9.9	39	8.6						
	1.5		3.5	350	51	48	106	42	9.2	35	7.7	28	6.2						
			4.0	400	58	37	8.1	31	6.8	23	5.1	16	3.5						
			4.5	450	65	25	5.5	18	4.0	11	2.4								
			5.0	500	73	13	2.9	5	1.1										
DP151	1.1	E25	3.0	300	44					47	10.3	42	9.2	38	8.4				
	1.5		3.5	350	51					39	8.6	34	7.5	30	6.6				
			4.0	400	58					31	6.8	26	5.7	22	4.8				
			4.5	450	65					23	5.1	18	4.0	14	3.1				
			5.0	500	73					15	3.3	11	2.4	8	1.8				
			5.5	550	80					9	2.0	8	1.1						
DP151	1.1	E30	3.0	300	44									30	6.6	28	6.2	26	5.7
	1.5		3.5	350	51									28	6.2	25	5.5	23	5.1
			4.0	400	58									24	5.3	21	4.6	19	4.2
			4.5	450	65									19	4.2	17	3.7	15	3.3
			5.0	500	73									16	3.5	13	2.9	11	2.4
			5.5	550	80									12	2.6	10	2.2	8	1.8
			6.0	600	87									9	2.0	7	1.5	6	1.3
DP251	1.85	E20	3.0	300	44	72	15.8	63	13.9										
	2.5		3.5	350	51	60	13.2	52	11.4	46	10.1	39	8.6						
			4.0	400	58	48	10.6	42	9.2	34	7.5	27	5.9						
			4.5	450	65	36	7.9	28	6.2	22	4.8	14	3.1						
			5.0	500	73	23	5.1	16	3.5	8	1.8								
			5.5	550	80	11	2.4												
DP251	1.85	E25	3.5	350	51					49	10.8	43	9.5	39	8.6	34	7.5		
	2.5		4.0	400	58					40	8.8	35	7.7	31	6.8	26	5.7		
			4.5	450	65					32	7.0	27	5.9	23	5.1	18	4.0		
			5.0	500	73					23	5.1	19	4.2	15	3.3	11	2.4		
			5.5	550	80					16	3.5	12	2.6	9	2.0	5	1.1		
			6.0	600	87					10	2.2	6	1.3						
DP251	1.85	E30	4.0	400	58									29	6.4	26	5.7	24	5.3
	2.5		4.5	450	65									25	5.5	22	4.8	20	4.4
			5.0	500	73									20	4.4	18	4.0	16	3.5
			5.5	550	80									16	3.5	14	3.1	13	2.9
			6.0	600	87									13	2.9	11	2.4	9	2.0
			6.5	650	94									10	2.2	8	1.8	7	1.5
			7.0	700	102									7	1.5	6	1.3	4	0.9

Depths over 27 metres use 1.1/2 x 1.1/4"

Heavy Duty Centrifugal Irrigation and Water Transfer Pumps

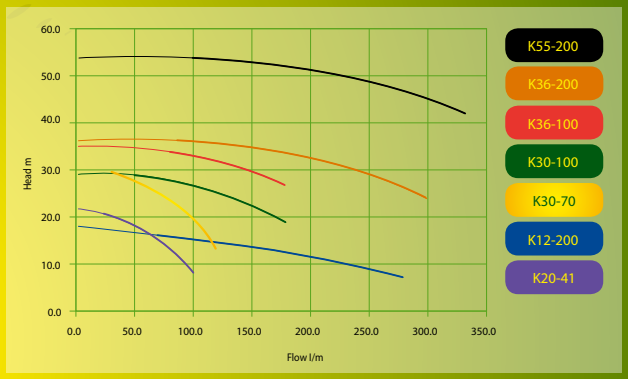
Small Flow K Series

Single stage pumps for domestic, civil, industrial and agricultural applications. Ideal for rivers, tanks and dams and water transfer applications. Constructed from high quality Cast iron for corrosion resistance.

- 2 Year DAB Pump Parts and Labour Warranty

Model	Pronto Code	Description
DAB-K20-41M	701618	0.37kW, 0.5hp, 240V, 2 pole, max hd 22m, max flow 100L/m, Ports 1" BSPF In, 1" BSPF Out
DAB-K30-70M	701623	0.75kW, 1.0hp, 240V, 2 pole, max hd 31.8m, max flow 120L/m, Ports 1" BSPF In, 1" BSPF Out
DAB-K30-100M	701621	1.1kW, 1.5hp, 240V, 2 pole, max hd 29.2m , max flow 180L/m, Ports 1 1/2" BSPF In, 1" BSPF Out
DAB-K36-100M	701625	1.85kW, 2.5hp, 240V, 2 pole, max hd 34.9m, max flow 180L/m, Ports 1 1/2" BSPF In, 1" BSPF Out
DAB-K36-200T*	701627	2.2kW, 3hp, 415V, max hd 36.6m, max flow 300L/m
DAB-K12-200M	701613	0.75kW, 1.0hp, 240V, 2 pole, max hd 18.4m, max flow 280L/m, Ports 1 1/2" BSPF In, 1 1/2" BSPF Out
DAB-K12-200T	701614	0.75kW, 1.0hp, 415V, 2 pole, max hd 18.4m, max flow 280L/m, Ports 1 1/2" BSPF In, 1 1/2" BSPF Out
DAB-K55-200T	701633	4.0kW, 5.5hp, 415V, 2 pole, max hd 54m, max flow 335L/m, Ports 2" BSPF In, 1 1/4" BSPF Out

**Models available in New Zealand only*



Note: Thick lines on performance curves indicate the maximum and minimum flows. Contact your DAB pump specialist to check suction limitations.

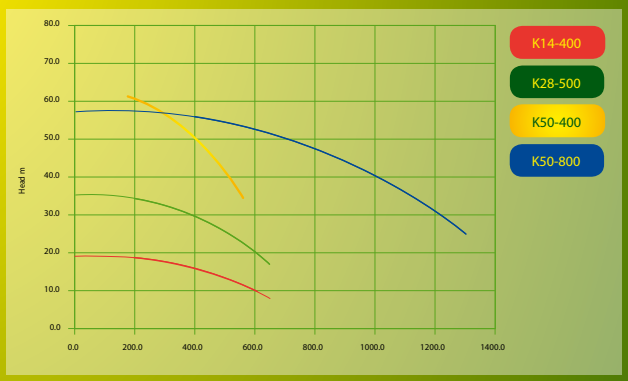
Medium Flow K Series

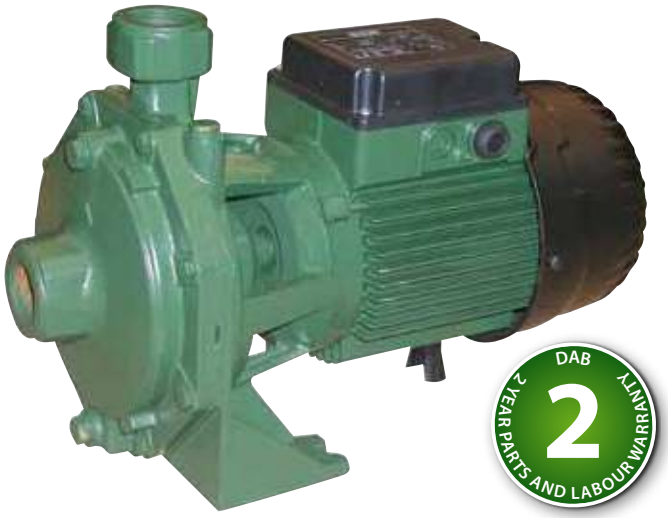
Single stage pumps for domestic, civil, industrial and agricultural applications. Ideal for rivers, tanks and dams and water transfer applications. Constructed from high quality Cast iron for corrosion resistance.

- 2 Year DAB Pump Parts and Labour Warranty

Model	Pronto Code	Description
DAB-K14-400M	701615	1.85kW, 2.5HP, 240V, 2 pole, max hd 19m, max flow 650L/m
DAB-K14-400T	701616	1.85kW, 2.5HP, 415V, 2 pole, max hd 19m, max flow 650L/m
DAB-K28-500T	701620	4.0kW, 5.5hp, 415V, 2 pole, max hd 35m, max flow 650L/m
DAB-K50-400T*	701630	7.5kW, 10hp, 415V, max hd 62m, max flow 550L/m
DAB-K50-800T*	701631	11kW, 15hp, 415V, max hd 58m, max flow 1300L/m

**Models available in New Zealand only*





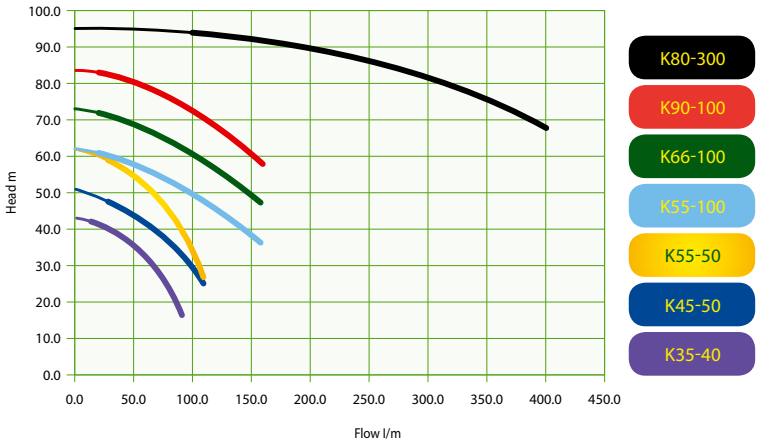
Twin Stage K Series

Twin stage pumps for high head applications. Ideal for rivers, tanks and dams. Ideal for irrigation and lawn watering applications. Constructed from high quality Cast iron for corrosion resistance.

- 2 Year DAB Pump Parts and Labour Warranty

Model/Part No	Pronto Code	Description
DAB-K35-40M	701624	0.75kW, 1.0hp, 240V, 2 pole, max hd 43.5m, max flow 92L/m
DAB-K45-50M	701628	1.1kW, 1.5hp, 240V, 2 pole, max hd 51m, max flow 110L/m
DAB-K45-50T	701629	1.1kW, 1.5hp, 415V, 2 pole, max hd 51m, max flow 110L/m
DAB-K55-50M	701634	1.85kW, 2.5hp, 240V, 2 pole, max hd 62m, max flow 110L/m
DAB-K55-50T	701635	1.85kW, 2.5hp, 415V, 2 pole, max hd 62m, max flow 110L/m
DAB-K55-100T*	701632	2.2kW, 3hp, 415V, max hd 62m, max flow 160L/m
DAB-K66-100T	701636	3.0kW, 4.0hp, 415V, 2 pole, max hd 73m, max flow 160L/m
DAB-K90-100T	701638	4.0kW, 5.5hp, 415V, 2 pole, max hd 83.5m, max flow 160L/m
DAB-K80-300T	701637	7.35kW, 10.0hp, 415V, 2 pole, max hd 95m, max flow 400L/m

**Models available in New Zealand only*



Note: Thick lines on performance curves indicate the maximum and minimum flows. Contact your DAB pump specialist to check suction limitations.

Borehole iSolar Powered Pumps

4" Borehole iSolar Powered Pumps

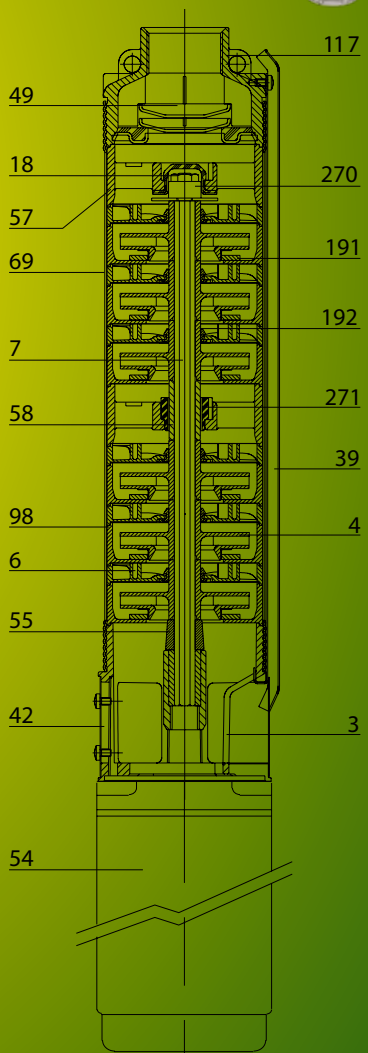
DAB iCON iSOLAR motor

- Revolutionary Brushless DC motor design
- One size motor fits all up to (P2)2200W
- Permanent magnets for high efficiency operation
- integrated Variable Frequency Drive able to accept AC or DC power sources directly
- Motor uses both Vector and MPPT control to ensure best operation according to duty

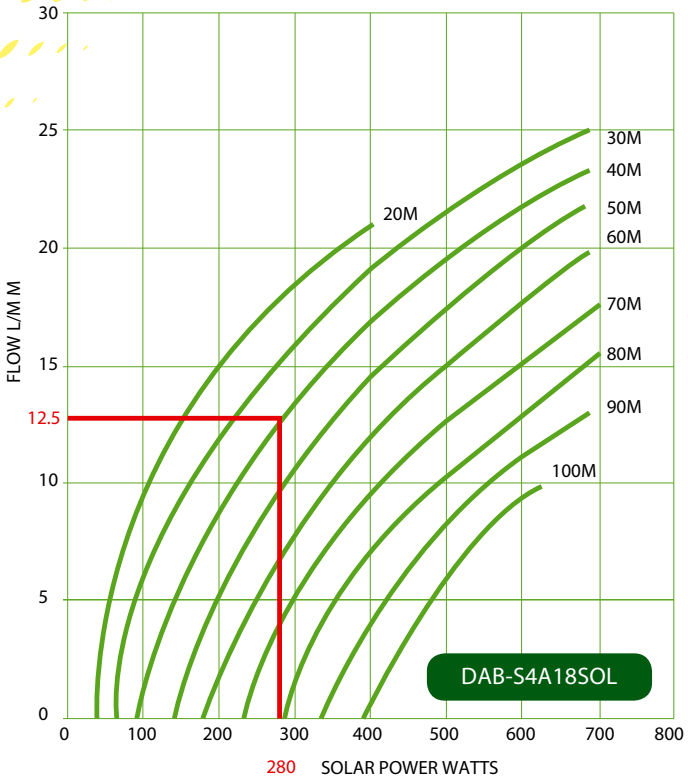
DAB iCON iSOLAR Control

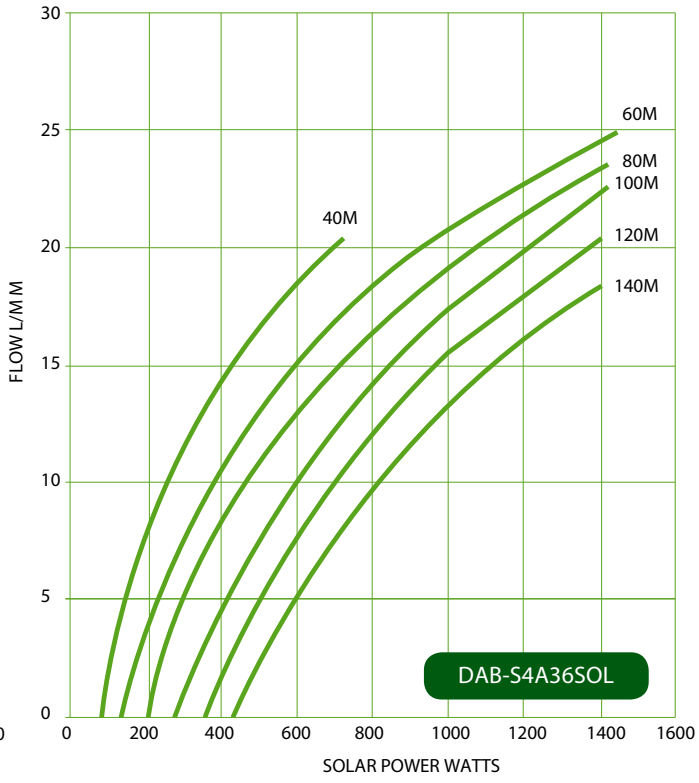
- Multiple power source controller to allow for Auto and Manual control of AC and DC power sources
- Multiple input type to allow for wider use as complete pressure or float based system
- Integrate output contact for generator start control
- Flow meter capable to ensure long term system life

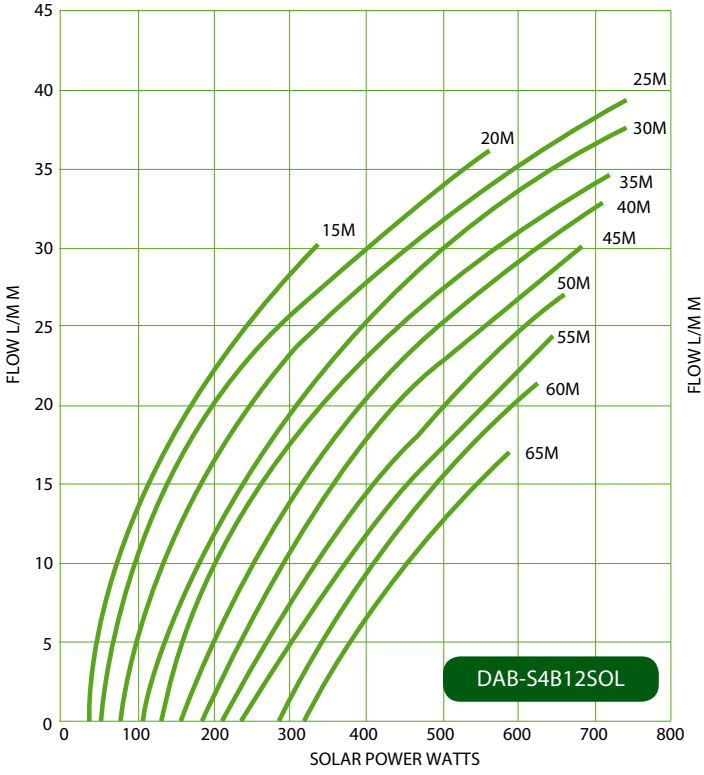
N.	PART*	MATERIALS
3	BASE SUPPORT	AISI 304 MICROCAST STAINLESS STEEL
4	IMPELLER	TECHNOPOLYMER A with thrust in STAINLESS STEEL AISI 304 X5CrNi1810 - UNI 6900/71
6	DIFFUSER	TECHNOPOLYMER A
7	SHAFT WITH COUPLING	STAINLESS STEEL AISI 304 X5CrNi1810 - UNI 6900/71
18	LOCKING NUT	STAINLESS STEEL
39	CABLE SHEATH	STAINLESS STEEL AISI 304 X5CrNi1810 - UNI 6900/71
42	STRAINER	STAINLESS STEEL
49	VALVE	STAINLESS STEEL AISI 304 X5CrNi1810 - UNI 6900/71
54	MOTOR	STAINLESS STEEL AISI 304 X5CrNi1810 - UNI 6900/71
55	SPACER	TECHNOPOLYMER A
57	SUPPORT	TECHNOPOLYMER A
58	INTERMEDIATE BUSHING	STAINLESS STEEL AISI 304 X5CrNi1810 - UNI 6900/71
69	PUMP LINER	STAINLESS STEEL AISI 304 X5CrNi1810 - UNI 6900/71
98	DIFFUSER BODY	TECHNOPOLYMER A
117	UPPER HEAD	AISI 304 MICROCAST STAINLESS STEEL
191	FRONT THRUST RING	AISI 304 MICROCAST STAINLESS STEEL
192	REAR THRUST RING	AISI 304 MICROCAST STAINLESS STEEL
270	UPPER SHAFT GUIDE BUSH	RUBBER
271	INTERMEDIATE SHAFT GUIDE BUSH	ABRASION - PROOF SYNTHETIC MATERIAL

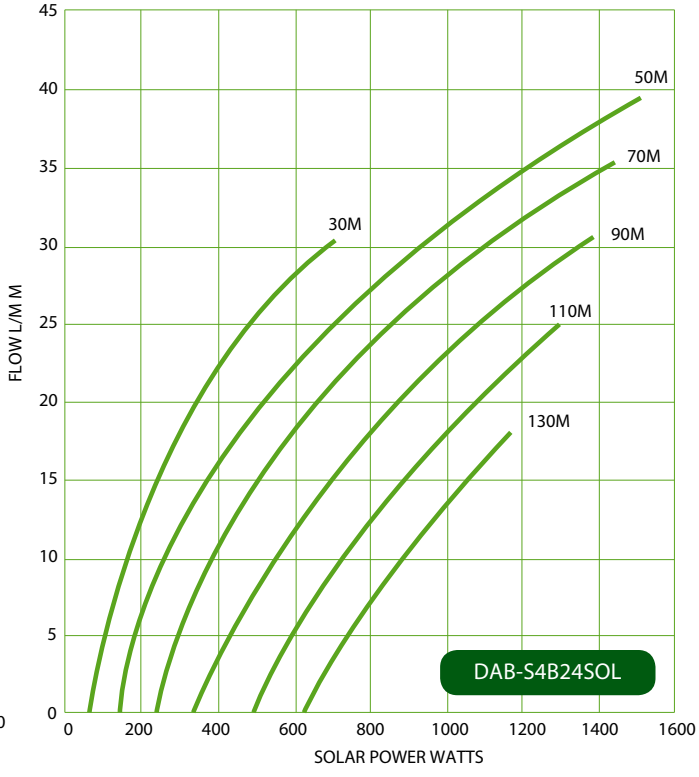


4" Borehole iSolar Powered Pumps Performance Curves

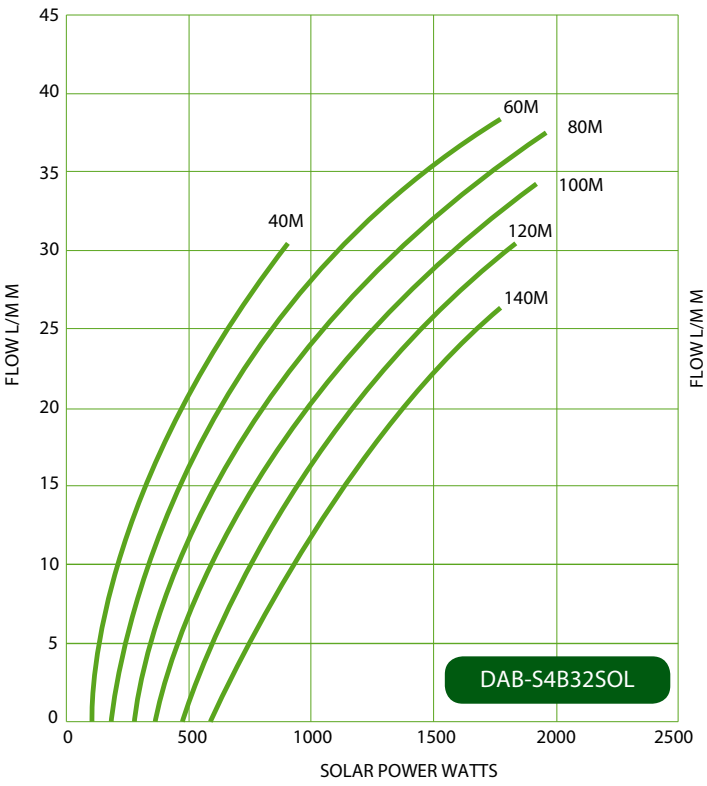


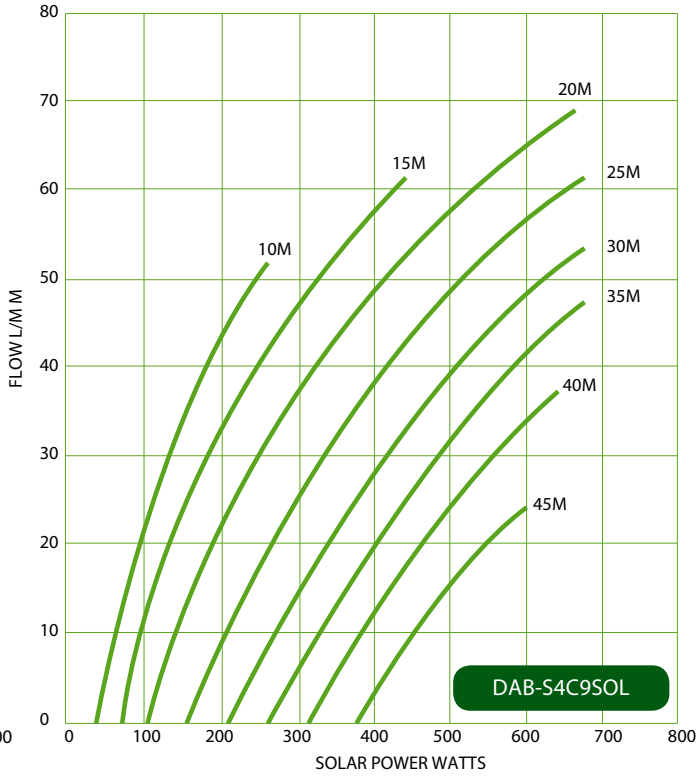


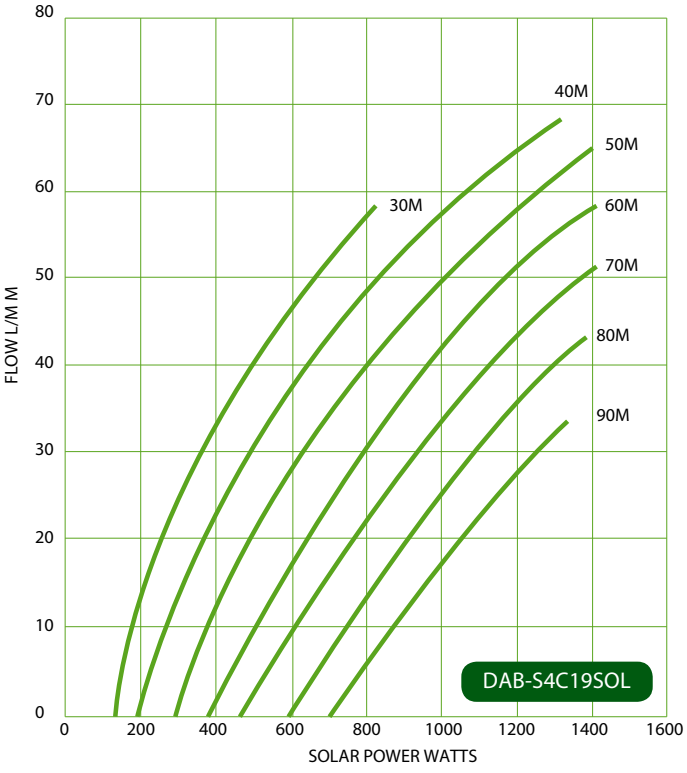


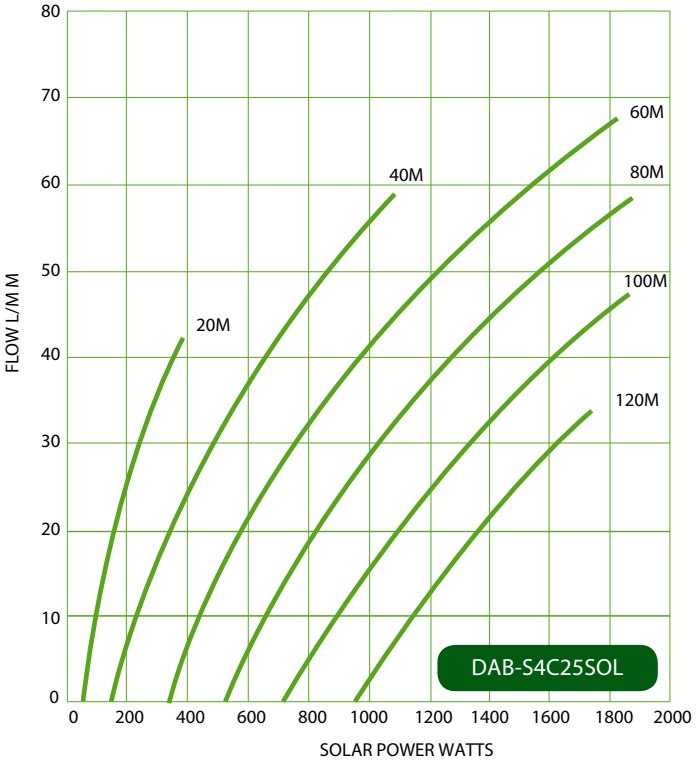


4" Borehole iSolar Powered Pumps Performance Curves



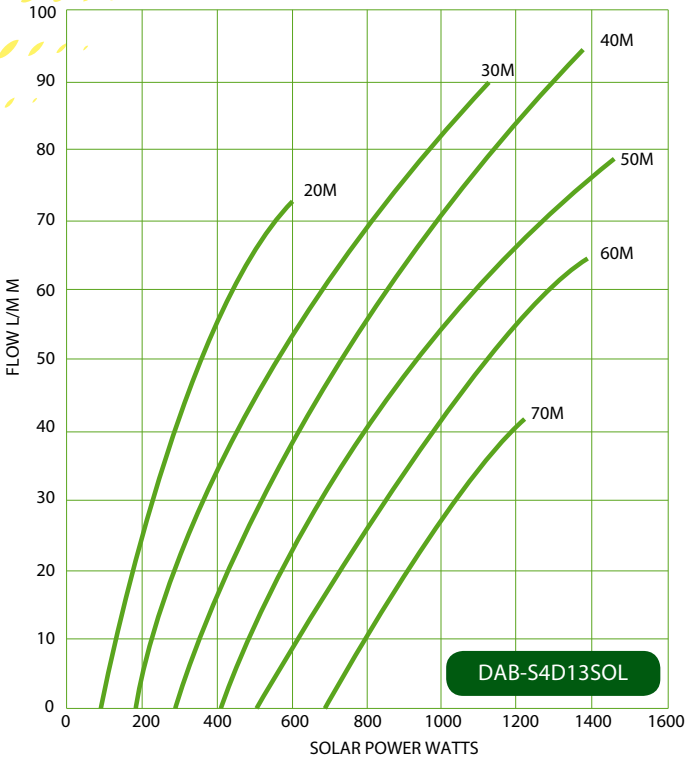


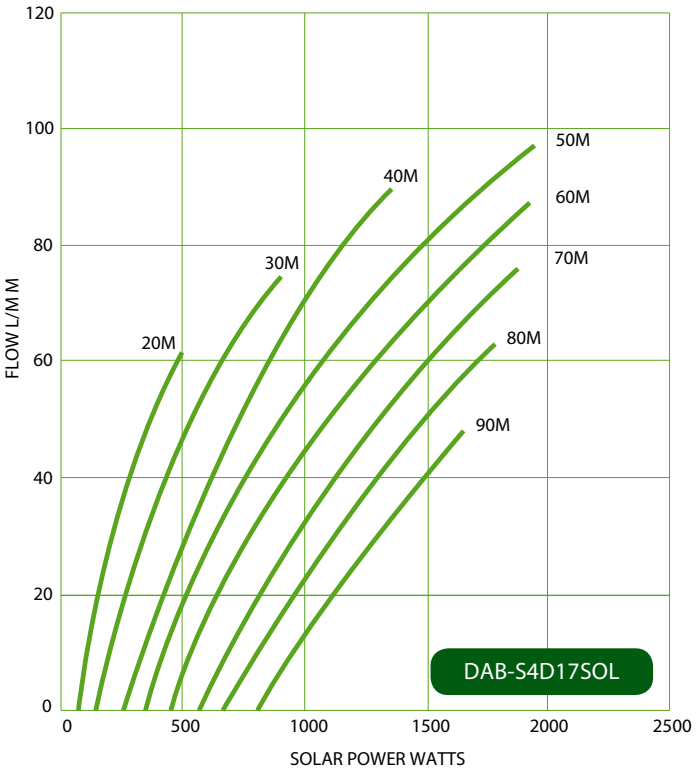


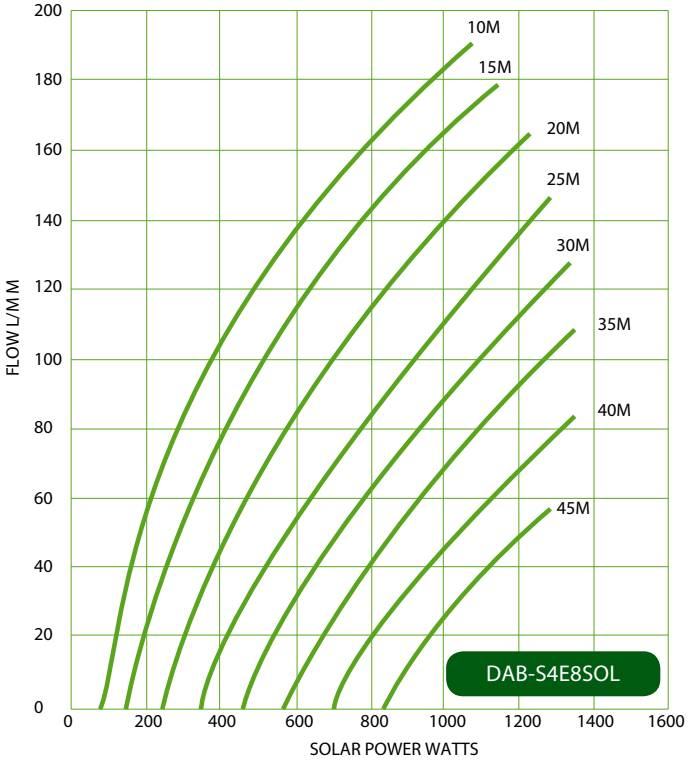


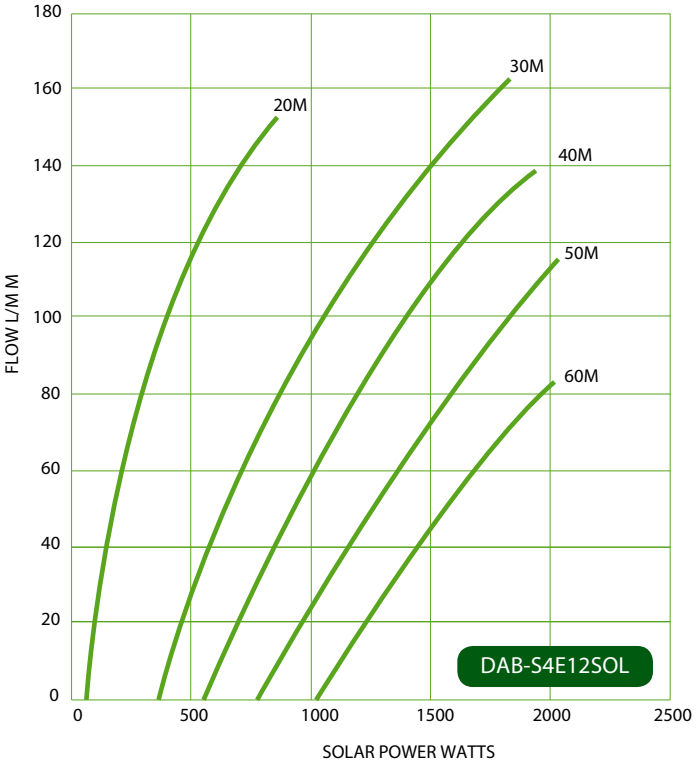
Disclaimer: Every effort has been made to publish the correct details in this brochure. No responsibility will be taken for errors, omissions or changes in product specifications.

4" Borehole iSolar Powered Pumps Performance Curves









4" Borehole iSolar Selection Matrix

iSOLAR BOREPUMP SELECTION BASED ON AVERAGE 6 SOLAR HOURS/DAY SUMMER, 4 SOLAR HOURS/DAY WINTE													LITRES/MIN, LITRES/DAY	
HEAD M	800 W		1000 W		1200 W		1400 W		1600 W		2000 W			
	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER		
10	S4E8SOL	S4E8SOL	S4E8SOL	S4E8SOL	S4E8SOL	S4E8SOL								
	163	163	183	183	191	191								
	58680	39120	65880	43920	68760	45840								
15	S4E8SOL	S4E8SOL	S4E8SOL	S4E8SOL	S4E8SOL	S4E8SOL								
	143	143	165	165	180	180								
	51480	34320	59400	39600	64800	43200								
20	S4C9SOL	S4C9SOL												
	69	69												
	24840	16560												
20	S4E8SOL	S4E8SOL	S4E8SOL	S4E8SOL	S4E8SOL	S4E8SOL	S4E8SOL	S4E8SOL						
	115	115	140	140	161	161	165	165						
	41400	27600	50400	33600	57960	38640	59400	39600						
20	S4E12SOL	S4E12SOL												
	144	144												
	51840	34560												
30	S4A18SOL	S4A18SOL												
	25	25												
	9000	6000												
30	S4B12SOL	S4B12SOL												
	37	37												
	13320	8880												
30	S4B24SOL	S4B24SOL												
	27	27												
	9720	6480												
30	S4C9SOL	S4C9SOL												
	54	54												
	19440	12960												
30	S4C19SOL	S4C19SOL												
	57	57												
	20520	13680												
30	S4D13SOL	S4D13SOL	S4D13SOL	S4D13SOL	S4D13SOL	S4D13SOL								
	69	69	82	82	90	90								
	24840	16560	29520	19680	32400	21600								
30	S4D17SOL	S4D17SOL												
	70	70												
	25200	16800												
30	S4E8SOL	S4E8SOL	S4E8SOL	S4E8SOL	S4E8SOL	S4E8SOL	S4E8SOL	S4E8SOL						
	63	63	88	88	112	112	128	128						
	22680	15120	31680	21120	40320	26880	46080	30720						
30	S4E12SOL	S4E12SOL	S4E12SOL	S4E12SOL	S4E12SOL	S4E12SOL	S4E12SOL	S4E12SOL	S4E12SOL	S4E12SOL	S4E12SOL	S4E12SOL		
	76	76	96	96	112	112	128	128	147	147	163	163		
	27360	18240	34560	23040	40320	26880	46080	30720	52920	35280	58680	39120		
40	S4A18SOL	S4A18SOL												
	23	23												
	8280	5520												
40	S4B12SOL	S4B12SOL												
	33	33												
	11880	7920												
40	S4B24SOL	S4B24SOL												
	25	25												
	9000	6000												
40	S4B32SOL	S4B32SOL												
	28	28												
	10080	6720												
40	S4C9SOL	S4C9SOL												
	37	37												
	13320	8880												
40	S4C19SOL	S4C19SOL	S4C19SOL	S4C19SOL	S4C19SOL	S4C19SOL	S4C19SOL	S4C19SOL	S4C19SOL	S4C19SOL				
	48	48	58	58	64	64	68	68	68	68				
	17280	11520	20880	13920	23040	15360	24480	16320	24480	16320				
40	S4C25SOL	S4C25SOL	S4C25SOL	S4C25SOL	S4C25SOL	S4C25SOL								
	46	46	54	54	58	58								
	16560	11040	19440	12960	20880	13920								
40	S4D13SOL	S4D13SOL	S4D13SOL	S4D13SOL	S4D13SOL	S4D13SOL	S4D13SOL	S4D13SOL	S4D13SOL	S4D13SOL				
	56	56	71	71	83	83	94	94	94	94				
	20160	13440	25560	17040	29880	19920	33840	22560	33840	22560				
40	S4D17SOL	S4D17SOL	S4D17SOL	S4D17SOL	S4D17SOL	S4D17SOL	S4D17SOL	S4D17SOL	S4D17SOL	S4D17SOL				
	57	57	70	70	80	80	90	90	90	90				
	20520	13680	25200	16800	28800	19200	32400	21600	32400	21600				
40					S4E8SOL	S4E8SOL	S4E8SOL	S4E8SOL						
					68	68	84	84						
					24480	16320	30240	20160						
40			S4E12SOL	S4E12SOL	S4E12SOL	S4E12SOL	S4E12SOL	S4E12SOL	S4E12SOL	S4E12SOL	S4E12SOL	S4E12SOL		
			60	60	81	81	99	99	117	117	140	140		
			21600	14400	29160	19440	35640	23760	42120	28080	50400	33600		

4" Borehole iSolar Selection Matrix

iSOLAR BOREPUMP SELECTION BASED ON AVERAGE 6 SOLAR HOURS/DAY SUMMER, 4 SOLAR HOURS/DAY WINTER													LITRES/MIN, LITRES/DAY	
HEAD M	800 W		1000 W		1200 W		1400 W		1600 W		2000 W	
	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER
50	S4B12SOL 27 9720	S4B12SOL 27 6480										
50	S4C19SOL 40 14400	S4C19SOL 40 9600	S4C19SOL 50 18000	S4C19SOL 50 12000	S4C19SOL 58 20880	S4C19SOL 58 13920	S4C19SOL 65 23400	S4C19SOL 65 15600	S4C19SOL 65 23400	S4C19SOL 65 15600		
50	S4D17SOL 44 15840	S4D17SOL 44 10560	S4D17SOL 57 20520	S4D17SOL 57 13680	S4D17SOL 66 23760	S4D17SOL 66 15840	S4D17SOL 76 27360	S4D17SOL 76 18240	S4D17SOL 84 30240	S4D17SOL 84 20160	S4D17SOL 98 35280	S4D17SOL 98 23520
60	S4A18SOL 20 7200	S4A18SOL 20 4800										
60	S4B12SOL 22 7920	S4B12SOL 22 5280										
60	S4B24SOL 25 9000	S4B24SOL 25 6000	S4B24SOL 30 10800	S4B24SOL 30 7200	S4B24SOL 33 11880	S4B24SOL 33 7920	S4B24SOL 36 12960	S4B24SOL 36 8640	S4B24SOL 37 13320	S4B24SOL 37 8880		
60	S4B32SOL 24 8640	S4B32SOL 24 5760	S4B32SOL 28 10080	S4B32SOL 28 6720	S4B32SOL 32 11520	S4B32SOL 32 7680	S4B32SOL 34 12240	S4B32SOL 34 8160	S4B32SOL 36 12960	S4B32SOL 36 8640	S4B32SOL 38 13680	S4B32SOL 38 9120
60	S4C19SOL 30 10800	S4C19SOL 30 7200	S4C19SOL 42 15120	S4C19SOL 42 10080	S4C19SOL 51 18360	S4C19SOL 51 12240	S4C19SOL 58 20880	S4C19SOL 58 13920	S4C19SOL 58 20880	S4C19SOL 58 13920		
60	S4C25SOL 34 12240	S4C25SOL 34 8160	S4C25SOL 42 15120	S4C25SOL 42 10080	S4C25SOL 48 17280	S4C25SOL 48 11520	S4C25SOL 54 19440	S4C25SOL 54 12960	S4C25SOL 61 21960	S4C25SOL 61 14640	S4C25SOL 68 24480	S4C25SOL 68 16320
60			S4D13SOL 42 15120	S4D13SOL 42 10080	S4D13SOL 55 19800	S4D13SOL 55 13200	S4D13SOL 64 23040	S4D13SOL 64 15360	S4D13SOL 64 23040	S4D13SOL 64 15360		
60	S4D17SOL 32 11520	S4D17SOL 32 7680	S4D17SOL 46 16560	S4D17SOL 46 11040	S4D17SOL 56 20160	S4D17SOL 56 13440	S4D17SOL 66 23760	S4D17SOL 66 15840	S4D17SOL 74 26640	S4D17SOL 74 17760	S4D17SOL 87 31320	S4D17SOL 87 20880
70	S4A18SOL 17 6120	S4A18SOL 17 4080										
70	S4B24SOL 23 8280	S4B24SOL 23 5520	S4B24SOL 28 10080	S4B24SOL 28 6720	S4B24SOL 32 11520	S4B24SOL 32 7680	S4B24SOL 35 12600	S4B24SOL 35 8400	S4B24SOL 36 12960	S4B24SOL 36 8640		
70	S4B32SOL 23 8280	S4B32SOL 23 5520	S4B32SOL 26 9360	S4B32SOL 26 6240	S4B32SOL 29 10440	S4B32SOL 29 6960	S4B32SOL 32 11520	S4B32SOL 32 7680	S4B32SOL 34 12240	S4B32SOL 34 8160	S4B32SOL 37 13320	S4B32SOL 37 8880
70	S4C19SOL 22 7920	S4C19SOL 22 5280	S4C19SOL 33 11880	S4C19SOL 33 7920	S4C19SOL 43 15480	S4C19SOL 43 10320	S4C19SOL 51 18360	S4C19SOL 51 12240	S4C19SOL 51 18360	S4C19SOL 51 12240		
70	S4C25SOL 27 9720	S4C25SOL 27 6480	S4C25SOL 36 12960	S4C25SOL 36 8640	S4C25SOL 43 15480	S4C25SOL 43 10320	S4C25SOL 49 17640	S4C25SOL 49 11760	S4C25SOL 55 19800	S4C25SOL 55 13200	S4C25SOL 62 22320	S4C25SOL 62 14880
70			S4D17SOL 32 11520	S4D17SOL 32 7680	S4D17SOL 44 15840	S4D17SOL 44 10560	S4D17SOL 56 20160	S4D17SOL 56 13440	S4D17SOL 65 23400	S4D17SOL 65 15600	S4D17SOL 76 27360	S4D17SOL 76 18240
80	S4A18SOL 15 5400	S4A18SOL 15 3600										
80	S4B24SOL 21 7560	S4B24SOL 21 5040	S4B24SOL 26 9360	S4B24SOL 26 6240	S4B24SOL 29 10440	S4B24SOL 29 6960	S4B24SOL 33 11880	S4B24SOL 33 7920	S4B24SOL 34 12240	S4B24SOL 34 8160		
80	S4B32SOL 20 7200	S4B32SOL 20 4800	S4B32SOL 25 9000	S4B32SOL 25 6000	S4B32SOL 28 10080	S4B32SOL 28 6720	S4B32SOL 31 11160	S4B32SOL 31 7440	S4B32SOL 33 11880	S4B32SOL 33 7920	S4B32SOL 37 13320	S4B32SOL 37 8880
80			S4C19SOL 25 9000	S4C19SOL 25 6000	S4C19SOL 35 12600	S4C19SOL 35 8400	S4C19SOL 43 15480	S4C19SOL 43 10320	S4C19SOL 43 15480	S4C19SOL 43 10320		
80	S4C25SOL 20 7200	S4C25SOL 20 4800	S4C25SOL 30 10800	S4C25SOL 30 7200	S4C25SOL 37 13320	S4C25SOL 37 8880	S4C25SOL 44 15840	S4C25SOL 44 10560	S4C25SOL 50 18000	S4C25SOL 50 12000	S4C25SOL 59 21240	S4C25SOL 59 14160
80					S4D17SOL 33 11880	S4D17SOL 33 7920	S4D17SOL 46 16560	S4D17SOL 46 11040	S4D17SOL 56 20160	S4D17SOL 56 13440	S4D17SOL 63 22680	S4D17SOL 63 15120

4" Borehole iSolar Selection Matrix

iSOLAR BOREPUMP SELECTION BASED ON AVERAGE 6 SOLAR HOURS/DAY SUMMER, 4 SOLAR HOURS/DAY WINTER											LITRES/MIN, LITRES/DAY	
HEAD M	800 W		1000 W		1200 W		1400 W		1600 W		2000 W	
	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER
90	S4A18SOL											
	13	13										
	4680	3120										
90	S4B24SOL	S4B24SOL	S4B24SOL	S4B24SOL	S4B24SOL	S4B24SOL	S4B24SOL	S4B24SOL	S4B24SOL	S4B24SOL		
	18	18	23	23	27	27	31	31	32	32		
	6480	4320	8280	5520	9720	6480	11160	7440	11520	7680		
90	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL
	18	18	23	23	26	26	29	29	32	32	36	36
	6480	4320	8280	5520	9360	6240	10440	6960	11520	7680	12960	8640
90					S4C19SOL	S4C19SOL	S4C19SOL	S4C19SOL	S4C19SOL	S4C19SOL		
					28	28	34	34	34	34		
					10080	6720	12240	8160	12240	8160		
90			S4C25SOL	S4C25SOL	S4C25SOL	S4C25SOL	S4C25SOL	S4C25SOL	S4C25SOL	S4C25SOL	S4C25SOL	S4C25SOL
			23	23	32	32	37	37	44	44	54	54
	3600	2400										
100	S4B24SOL	S4B24SOL	S4B24SOL	S4B24SOL	S4B24SOL	S4B24SOL	S4B24SOL	S4B24SOL	S4B24SOL	S4B24SOL		
	15	15	21	21	25	25	28	28	28	28		
	5400	3600	7560	5040	9000	6000	10080	6720	10080	6720		
100	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL
	16	16	21	21	24	24	27	27	30	30	34	34
	5760	3840	7560	5040	8640	5760	9720	6480	10800	7200	12240	8160
100					S4C25SOL	S4C25SOL	S4C25SOL	S4C25SOL	S4C25SOL	S4C25SOL	S4C25SOL	S4C25SOL
					26	26	32	32	38	38	48	48
					9360	6240	11520	7680	13680	9120	17280	11520
110	S4B24SOL	S4B24SOL	S4B24SOL	S4B24SOL	S4B24SOL	S4B24SOL	S4B24SOL	S4B24SOL	S4B24SOL	S4B24SOL		
	12	12	17	17	23	23	25	25	25	25		
	4320	2880	6120	4080	8280	5520	9000	6000	9000	6000		
110	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL
	13	13	18	18	23	23	26	26	28	28	32	32
	4680	3120	6480	4320	8280	5520	9360	6240	10080	6720	11520	7680
110					S4C25SOL	S4C25SOL	S4C25SOL	S4C25SOL	S4C25SOL	S4C25SOL	S4C25SOL	S4C25SOL
					20	20	27	27	34	34	39	39
					7200	4800	9720	6480	12240	8160	14040	9360
120	S4B24SOL	S4B24SOL	S4B24SOL	S4B24SOL	S4B24SOL	S4B24SOL	S4B24SOL	S4B24SOL	S4B24SOL	S4B24SOL	S4B24SOL	S4B24SOL
	10	10	15	15	20	20	21	21	21	21		
	3600	2400	5400	3600	7200	4800	7560	5040	7560	5040		
120	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL
	12	12	17	17	21	21	24	24	27	27	31	31
	4320	2880	6120	4080	7560	5040	8640	5760	9720	6480	11160	7440
120							S4C25SOL	S4C25SOL	S4C25SOL	S4C25SOL	S4C25SOL	S4C25SOL
							22	22	28	28	34	34
							7920	5280	10080	6720	12240	8160
130			S4B24SOL	S4B24SOL	S4B24SOL	S4B24SOL	S4B24SOL	S4B24SOL	S4B24SOL	S4B24SOL		
			13	13	17	17	17	17	17	17		
			4680	3120	6120	4080	6120	4080	6120	4080		
130			S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL
			15	15	18	18	22	22	25	25	28	28
			5400	3600	6480	4320	7920	5280	9000	6000	10080	6720
140			S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL
			13	13	17	17	20	20	23	23	26	26
			4680	3120	6120	4080	7200	4800	8280	5520	9360	6240
150			S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL	S4B32SOL
			10	10	14	14	18	18	22	22	23	23
			3600	2400	5040	3360	6480	4320	7920	5280	8280	5520

Solar Panel Recommendation								All Electrical Data @ STC							
Pump Model	Nominal Power	Panel Qty	Brand	Wattage	Size	DC Power	Strings	VOC (V)		VMPP (V)		ISC (A)		IMPP (A)	
S4A18SOL	550	4	Luxor	200	72 cell	800	1	44.12	**176.48**	37.26	**149.04**	5.85	**5.85**	5.37	**5.37**
S4B12SOL	550	4	Luxor	200	72 cell	800	1	44.12	**176.48**	37.26	**149.04**	5.85	**5.85**	5.37	**5.37**
S4C9SOL	550	4	Luxor	200	72 cell	800	1	44.12	**176.48**	37.26	**149.04**	5.85	**5.85**	5.37	**5.37**
S4A36SOL	1100	8	Luxor	200	72 cell	1600	1	44.12	**352.96**	37.26	**298.08**	5.85	**5.85**	5.37	**5.37**
S4B24SOL	1100	8	Luxor	200	72 cell	1600	1	44.12	**352.96**	37.26	**298.08**	5.85	**5.85**	5.37	**5.37**
S4C19SOL	1100	8	Luxor	200	72 cell	1600	1	44.12	**352.96**	37.26	**298.08**	5.85	**5.85**	5.37	**5.37**
S4D13SOL	1100	8	Luxor	200	72 cell	1600	1	44.12	**352.96**	37.26	**298.08**	5.85	**5.85**	5.37	**5.37**
S4E8SOL	1100	8	Luxor	200	72 cell	1600	1	44.12	**352.96**	37.26	**298.08**	5.85	**5.85**	5.37	**5.37**
S4B32SOL	1500	10	Luxor	200	72 cell	2000	2	44.12	**220.60**	37.26	**186.30**	5.85	**11.7**	5.37	**10.74**
S4C25SOL	1500	10	Luxor	200	72 cell	2000	2	44.12	**220.60**	37.26	**186.30**	5.85	**11.7**	5.37	**10.74**
S4D17SOL	1500	10	Luxor	200	72 cell	2000	2	44.12	**220.60**	37.26	**186.30**	5.85	**11.7**	5.37	**10.74**
S4E12SOL	1500	10	Luxor	200	72 cell	2000	2	44.12	**220.60**	37.26	**186.30**	5.85	**11.7**	5.37	**10.74**

NEW INNOVATION

4" Borehole Motors Water Filled - 4GG

Technical Data

Flanging: NEMA 4"
Insulation Class: F
Protection Class: IP68
Cooling Flow Speed: min. 0,3 m/s 35ºC
Power Supply Tolerance: + 6% / - 10%
Max. Starts: 20/h
Max Operating Depth: 300 m
Horizontal Operation: 0,5 HP - 10 HP

KEY POINTS

- Canned motor design
  - Stator now resin filled for better heat management and mechanical resistance.
- Motor filled with water - no risk of contamination
- Proven Kingsbury thrust bearings
- All water contact parts made of 304 Stainless Steel
- VFD compatible

General Data

4" submersible asynchronous two-pole electric motor made entirely of AISI 304 stainless steel for the parts in contact with water. The thrust block and bushes are cooled and lubricated with a mixture of water and glycol.

The rotor is mounted on a Kingsbury self-centering thrust block designed to withstand significant axial loads. Stator housed in an airtight AISI 304L stainless steel casing with internal sleeve and outer casing and flanges.

The cable connector is removable for the purpose of quick and easy maintenance. The cable is ACS, WRAS and KTW certified. The motor is suitable for use with variable frequency drive (30 Hz - 50 Hz). For the 50 Hz single-phase version, the capacitor and manually resettable overload protection are in the electrical control box provided separately.

Overload protection to be provided by the user for the three-phase version.

SS WATER FILLED CONSTRUCTION FEATURES		
 Stator housed in an outer casing and flanges in AISI 304L. The stator has 24 slots to ensure better elasticity and smooth operation; the copper conductors have a double layer of Class H insulating enamel.	 Kingsbury thrust block equipped with carbon clearance ring and oscillating pads in highstrength stainless steel machined by Tesla with a spherical lapping process. From 0,5 HP to 1.5 HP: 2000 N From 2 HP to 3 HP: 3000 N From 4 HP to 10 HP: 6000 N	 Shafts with terminal in AISI 304/Duplex, with special surface hardening and polishing in the work area of the bushings. Squirrel cage rotor in aluminium for power ratings up to 3 HP and in copper for motors of power above 4 HP.

4" Borehole Motors Oil Filled 4 OL

NEW INNOVATION

Technical Data

Flanging: NEMA 4"
Insulation Class: F
Protection Class: IP68
Cooling Flow Speed: min. 0,3 m/s 35ºC
Power Supply Tolerance: + 6% / - 10%
Max. Starts: 20/h
Max Operating Depth: 250 m
Horizontal Operation: 0,5 HP - 10 HP

KEY POINTS

- Reduced cost
- Rewindable stator therefore repairable
- Ball bearing design better for lower speed applications
- 24 slot motor design that is VFD compatible, we are the only oil filled motor that is currently.
- All water contact parts made of 304 Stainless Steel
- FDA approved food grade oil removing risk of bore contamination.

General Data

4" rewindable submersible asynchronous two-pole electric motor made entirely of AISI 304 stainless steel for the parts in contact with water. Cooling and lubrication of ball bearings is assured by a special FDA approved coolant (no risk of bore contamination).

Stator housed in a AISI 304L stainless steel casing fixed with steel pins to the upper support of the motor.

The cable connector is removable for the purpose of quick and easy maintenance. The cable is ACS, WRAS and KTW certified. The motor is suitable for use with variable frequency drive (30 Hz - 50/60 Hz). For the single-phase version, the capacitor and manually resettable overload protection are in the electrical control box provided separately.

Overload protection to be provided by the user for the three-phase version.

SS OIL FILLED CONSTRUCTION FEATURES		
 Rewindable stator housed in an outer casing in AISI 304L. The stator has 24 slots to ensure better elasticity and smooth operation; copper conductors with a double layer of Class H insulating enamel.	 Oversized ball bearings of high axial load. From 0,5 HP to 2 HP: 2000 N 3 HP: 3000 N From 4 HP to 5,5 HP: 4000 N From 7,5 HP to 10 HP: 5000 N	 Shafts with terminal in AISI 304/Duplex, with special surface hardening process. Squirrel cage rotor in aluminium for power ratings up to 3 HP and in copper for motors of power above 4 HP.

4" Borehole Motors
Variable Frequency Drives

The iSUB22 is a 240V single phase input variable frequency drive for the control of pumps up to 1.5kW, 240V 3 phase.

The iSUB37 is a 240V single phase input variable frequency drive for the control of pumps up to 3.0kW, 240V 3 phase.

They are particularly suitable for borehole pumps. They are mounted in an outdoor enclosure with independent fan cooling and inspection window. Also included is a 1" stainless manifold, pressure transducer and pressure gauge.

Features:

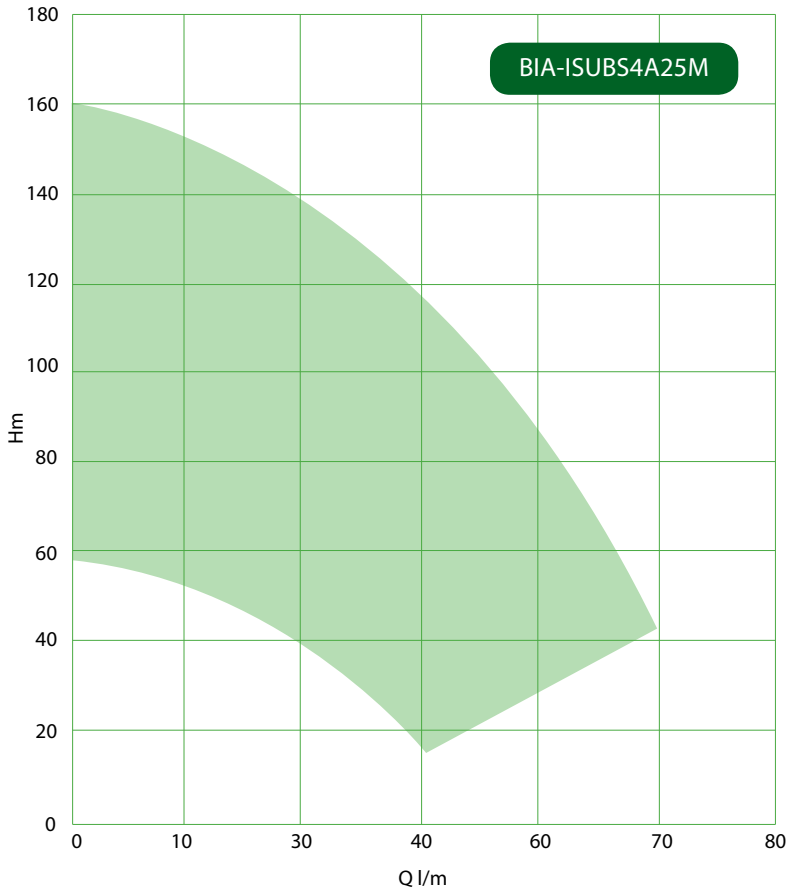
- Constant water pressure
- Optimises pump performance
- Soft start, low motor start current
- No large pressure tank required

Protection:

- Dry run protection
- High and low voltage protection
- Input and output short circuit protection
- High and low water pressure protection
- Input and output phase failure protection
- Over temperature protection
- Sensor fault protection

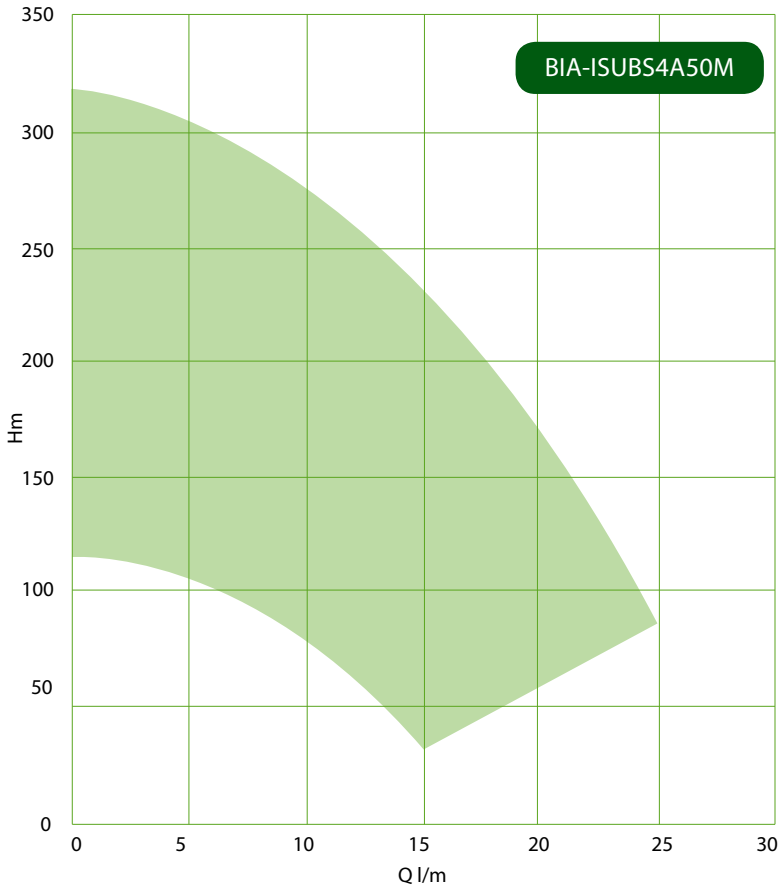
Standard Pump kits are also available using iSUB22, 1" stainless manifold, 18 litre pressure tank, pressure transducer and pressure gauge along with a selection of 0.75 kW and 1.5 kW DAB S4 Series 4" Borehole Pumps.

4" Borehole Pumps
Variable Frequency Drives - Curves



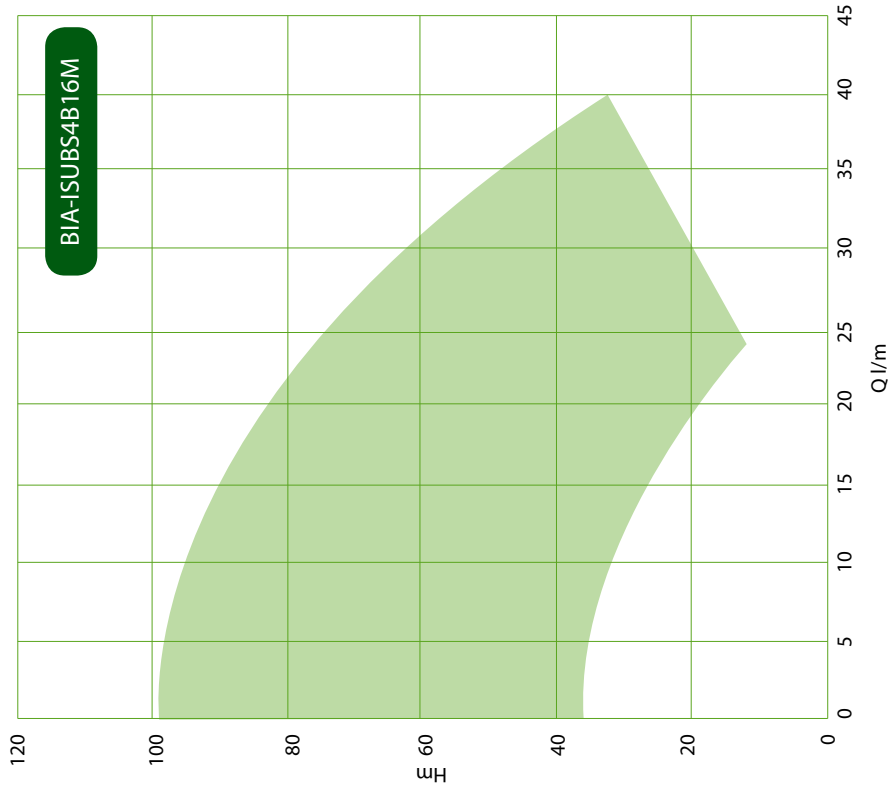
Depth or lift in m																	
metres	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	SHUT
0					25	23	22	21	19	18	16	14	12	9	6		159.4
10				25	23	22	21	19	18	16	14	12	9	6			159.4
20			25	23	22	21	19	18	16	14	12	9	6				159.4
30		25	23	22	21	19	18	16	14	12	9	6					159.4
40	25	23	22	21	19	18	16	14	12	9	6						159.4
50	23	22	21	19	18	16	14	12	9	6							159.4
60	22	21	19	18	16	14	12	9	6								159.4
70	21	19	18	16	14	12	9	6									159.4
80	19	18	16	14	12	9	6										159.4
90	18	16	14	12	9	6											159.4
100	16	14	12	9	6												159.4
110	14	12	9	6													159.4
120	12	9	6														159.4
130	9	6															159.4
140	6													litres/min.			159.4
150																	159.4
160																	159.4
SHUT	149.4	139.4	129.4	119.4	109.4	99.4	89.4	79.4	69.4	59.4	49.4	39.4	29.4	19.4	9.4		

4" Borehole Pumps
Variable Frequency Drives - Curves

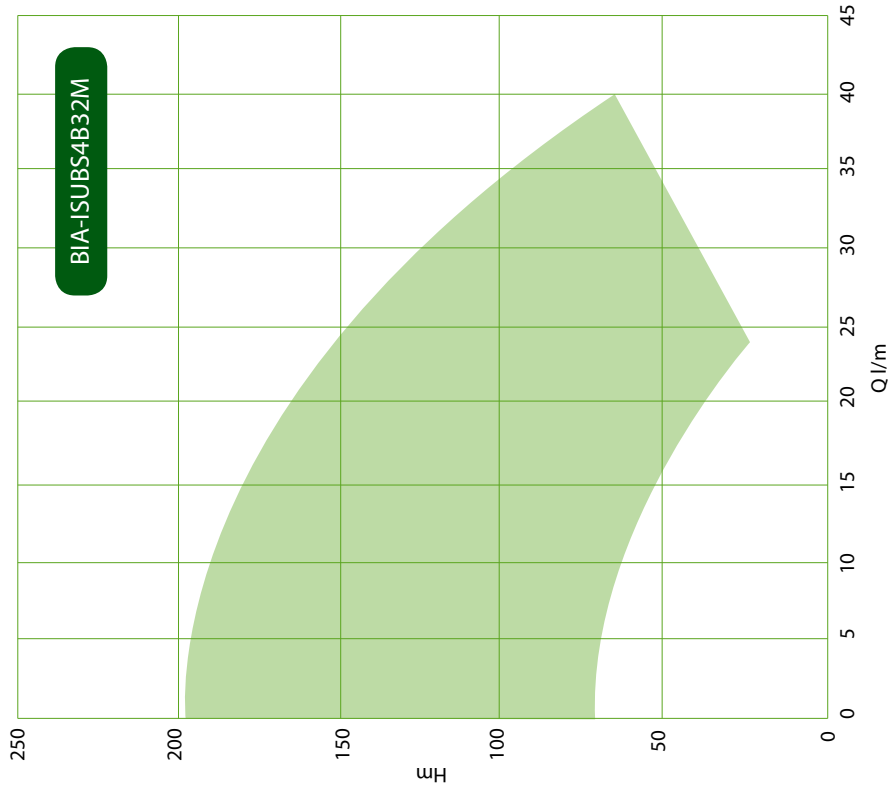


Depth or lift in m																	
metres	20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	320	SHUT
0						23	22	21	19	17	16	14	12	9	6		318.8
20					23	22	21	19	17	16	14	12	9	6			318.8
40				23	22	21	19	17	16	14	12	9	6				318.8
60			23	22	21	19	17	16	14	12	9	6					318.8
80		23	22	21	19	17	16	14	12	9	6						318.8
100	23	22	21	19	17	16	14	12	9	6							318.8
120	22	21	19	17	16	14	12	9	6								318.8
140	21	19	17	16	14	12	9	6									318.8
160	19	17	16	14	12	9	6										318.8
180	17	16	14	12	9	6											318.8
200	16	14	12	9	6												318.8
220	14	12	9	6													318.8
240	12	9	6														318.8
260	9	6															318.8
280	6													litres/min.			318.8
300																	318.8
320																	318.8
SHUT	298.8	278.8	258.8	238.8	218.8	198.8	178.8	158.8	138.8	118.8	98.8	78.8	58.8	38.8	18.8		

4" Borehole Pumps
Variable Frequency Drives - Curves

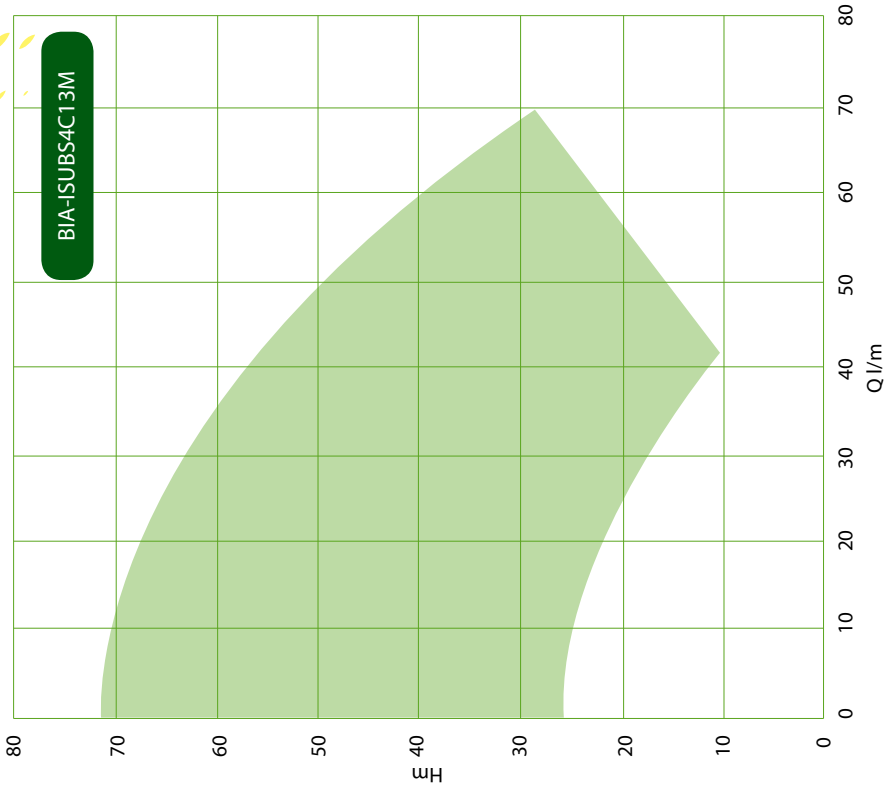


Depth or lift in m																
metres	10	20	30	40	50	60	70	80	90	100	SHUT
0		40	37	34	31	27	22	17			99.2
10		40	37	34	31	27	22	17			99.2
20	40	37	34	31	27	22	17				99.2
30	37	34	31	27	22	17					99.2
40	34	31	27	22	17						99.2
50	31	27	22	17							99.2
60	27	22	17								99.2
70	22	17									99.2
80	17								litres/min.		99.2
90											99.2
100											99.2
SHUT	89.2	79.2	69.2	59.2	49.2	39.2	29.2	19.2	9.2		

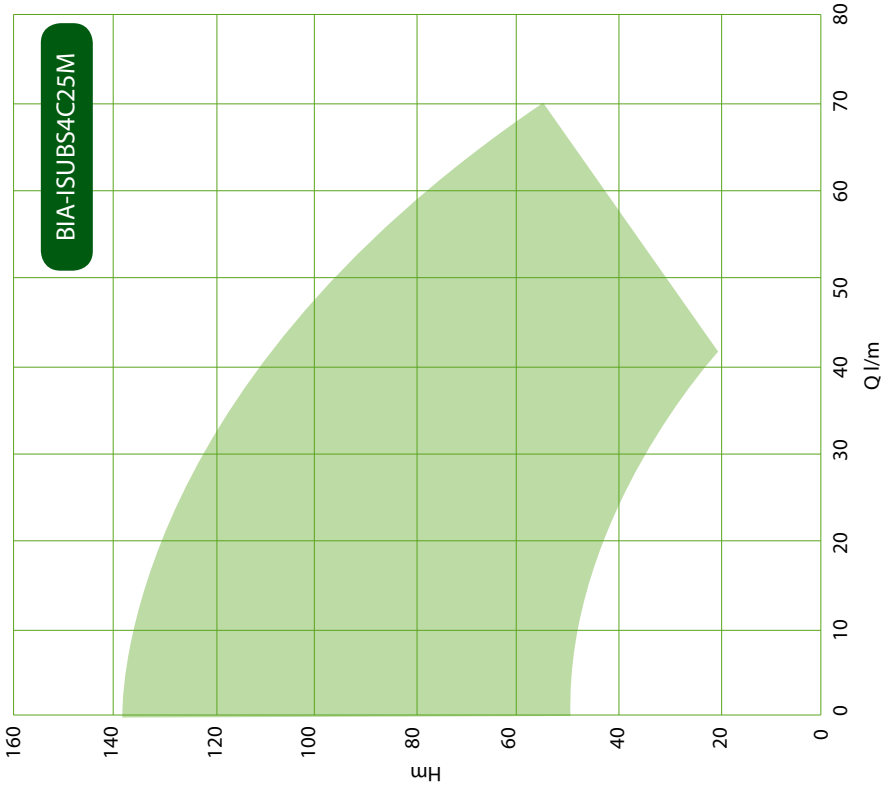


Depth or lift in m																
metres	20	40	60	80	100	120	140	160	180	200	SHUT
0			40	37	34	31	27	22	14		198.4
20		40	37	34	31	27	22	14			198.4
40	40	37	34	31	27	22	14				198.4
60	37	34	31	27	22	14					198.4
80	34	31	27	22	14						198.4
100	31	27	22	14							198.4
120	27	22	14								198.4
140	22	14									198.4
160	14							litres/min.			198.4
180											198.4
200											99.2
SHUT	178.4	158.4	138.4	118.4	98.4	78.4	58.4	38.4	18.4		

4" Borehole Pumps
Variable Frequency Drives - Curves

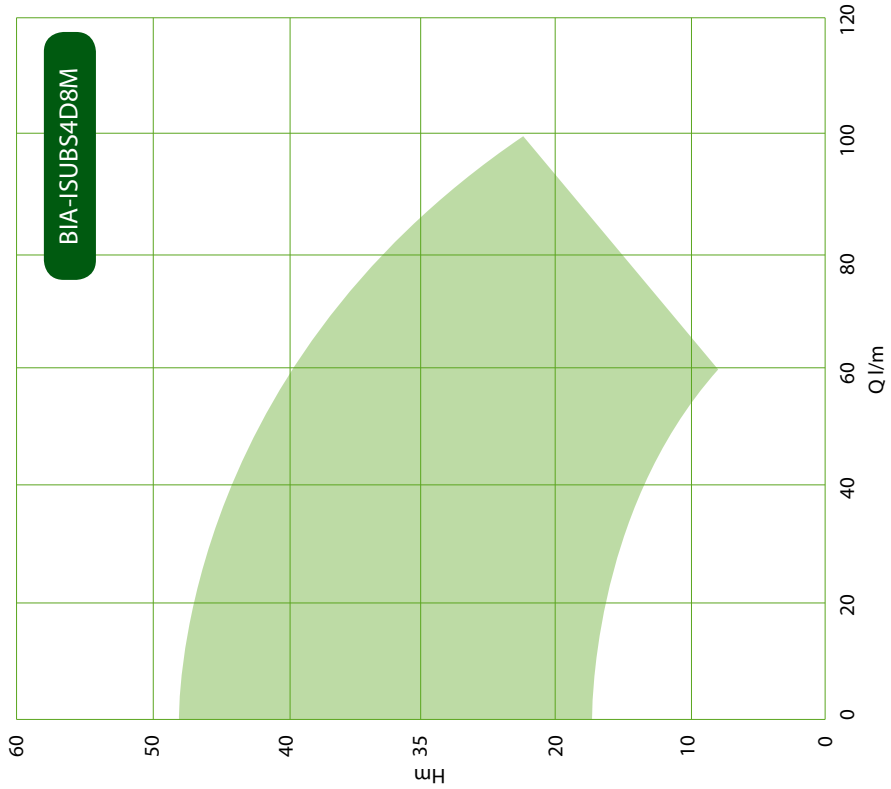


Depth or lift in m								
metres	10	20	30	40	50	60	70	SHUT
10		69	59	51	37	13		71.5
20	69	59	51	37	13			71.5
30	59	51	37	13				71.5
40	51	37	13					71.5
50	37	13				litres/min.		71.5
60	13							71.5
70								71.5
SHUT	61.5	51.5	41.5	31.5	21.5	11.5	1.5	

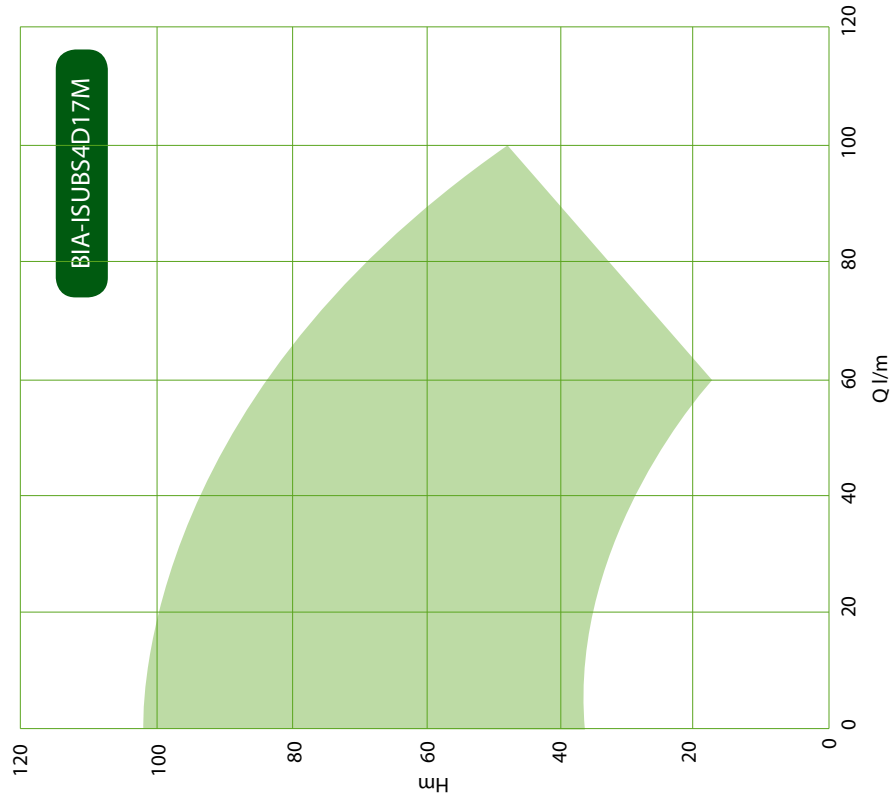


Depth or lift in m									
metres	20	40	60	80	100	120	140	SHUT	
20		67	58	47	33			137.5	
40	67	58	47	33				137.5	
60	58	47	33					137.5	
80	47	33						137.5	
100	33					litres/min.		137.5	
120								137.5	
140								137.5	
SHUT	117.5	97.5	77.5	57.5	37.5	17.5			

4" Borehole Pumps
Variable Frequency Drives - Curves

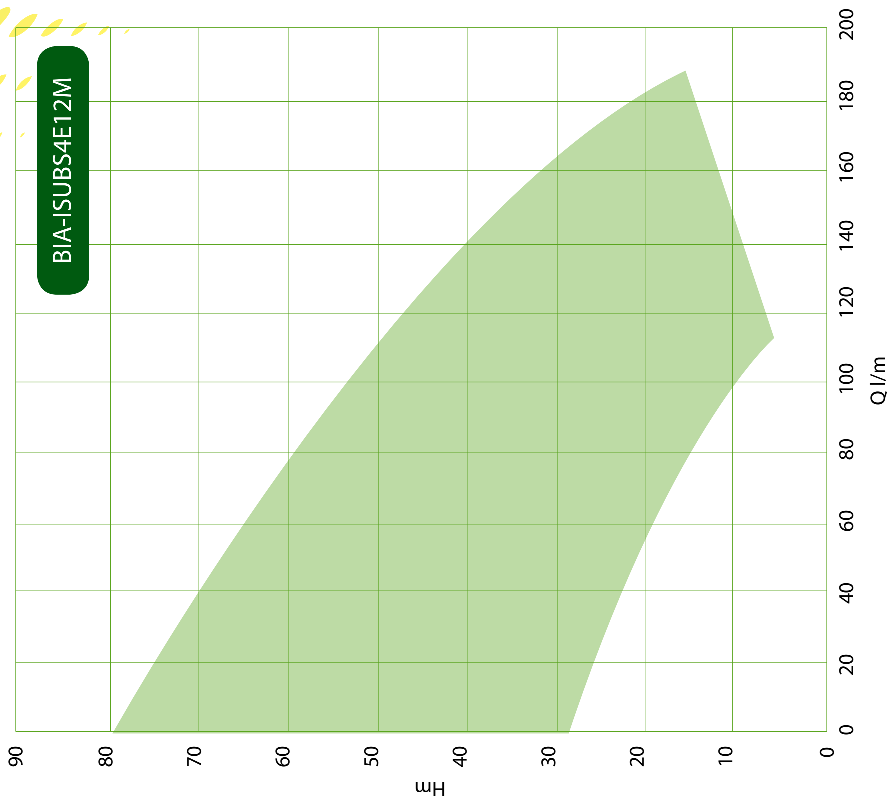


Depth or lift in m								
metres	10	15	20	25	30	35	SHUT	
10		90	85	72	60	35	48	
15	90	85	72	60	35		48	
20	85	72	60	35			48	
25	72	60	35		litres/min.		48	
30	60	35					48	
35	35						48	
SHUT	38	33	28	23	18	13		



Depth or lift in m									
metres	20	30	40	50	60	70	SHUT		
20		100	88	79	65	50	102		
30	100	88	79	65	50		102		
40	88	79	65	50			102		
50	79	65	50		litres/min.		102		
60	65	50					102		
70	50						102		
SHUT	82	72	62	52	42	32			

4" Borehole Pumps
Variable Frequency Drives - Curves



Depth or lift in m								
metres	10	20	30	40	50	60	70	SHUT
10	182	165	140	115	83	50		
20	165	140	115	83	50			81
30	140	115	83	50				81
40	115	83	50					81
50	83	50						81
60	50			litres/min.				81
70								81
SHUT	72	62	52	42	32	22	12	

Disclaimer: Every effort has been made to publish the correct details in this brochure. No responsibility will be taken for errors, omissions or changes in product specifications.

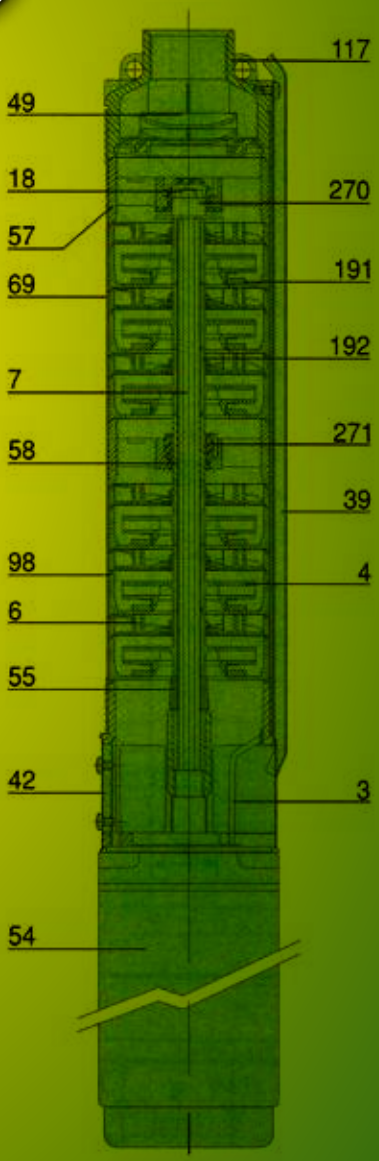
4" Borehole Submersible Pumps

DAB Borehole submersible pumps incorporate the latest technology in hydraulic design and materials to reduce running costs, extend pump life and increase serviceability.

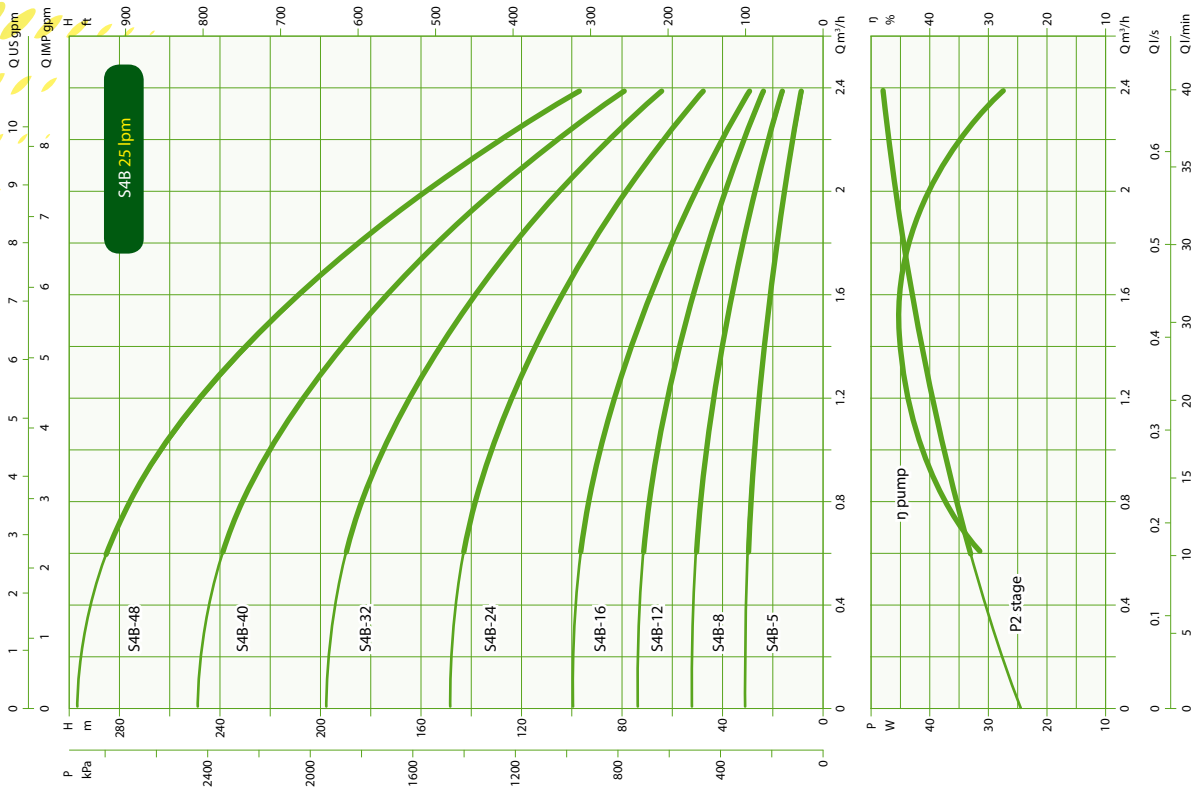
- Technopolymer impellers and diffusers for resistance to wear and corrosion
- Special unit abrasion wear ring reduces wear due to sand
- Cast stainless steel support and valve body for high strength
- Single phase motors feature remote control box with manual reset overload
- Large range to suit most applications
- Floating impeller stack for easier starts in abrasive conditions
- Posidrive pump shaft improves impeller life in adverse conditions
- Maximum quantity of sand = 120 gm / m^3
- 2 Year Pump Parts and Labour Warranty

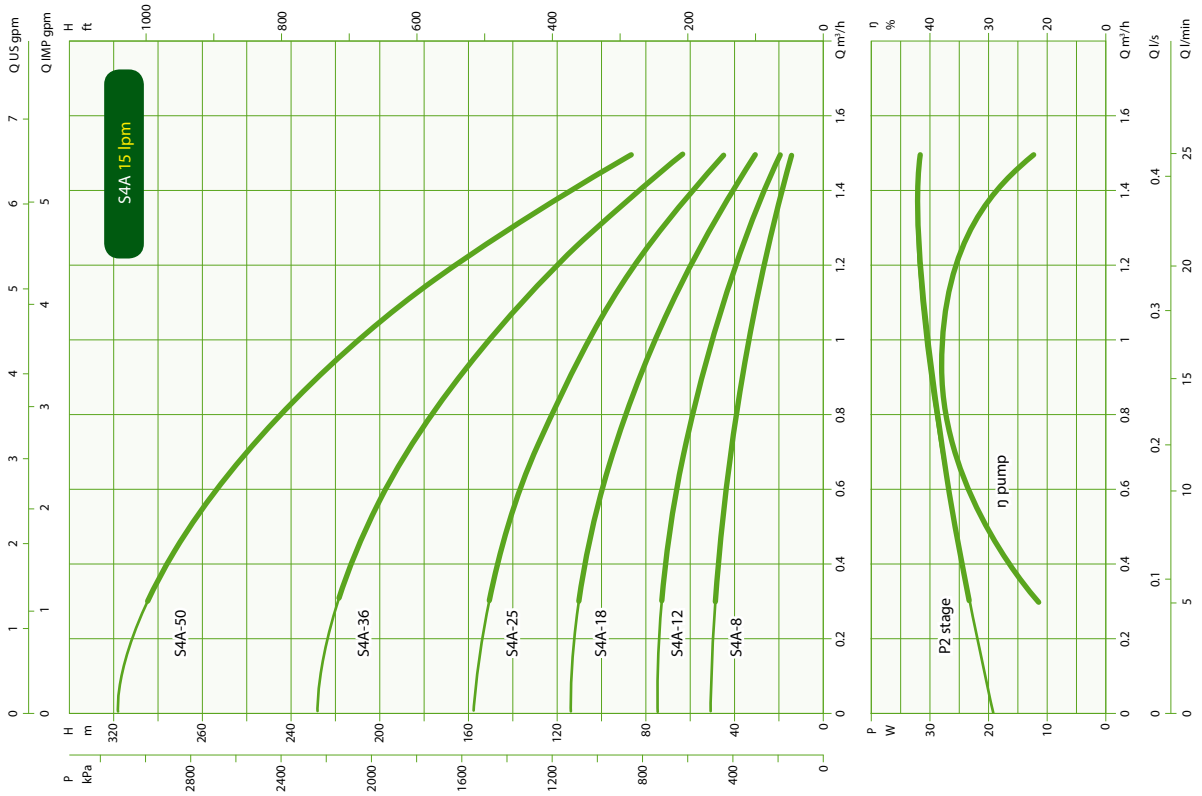
N.	PARTS*	MATERIALS
3	Support	Precision cast AISI 304 Steel
4	Impeller	Technopolymer A with steel shim stainless steel AISI 304 X5CrNi1810 - UNI 6900/71
6	Diffuser	Technopolymer A
7	Shaft with Coupling	Stainless Steel AISI 304 X5CrNi1810 - UNI 6900/71
18	Impeller Lock Nut	Stainless Steel
39	Cable Sheath	Stainless Steel AISI 304 X5CrNi1810 - UNI 6900/71
42	Filter	Stainless Steel
49	Valve	Stainless Steel AISI 304 X5CrNi1810 - UNI 6900/71
54	Motor	Stainless Steel AISI 304 X5CrNi1810 - UNI 6900/71
55	Spacer	Technopolymer A
57	Support	Technopolymer A
58	Intermediate Bushing	Stainless Steel AISI 304 X5CrNi1810 - UNI 6900/71
69	Pump Lining	Stainless Steel AISI 304 X5CrNi1810 - UNI 6900/71
98	Diffuser Body	Technopolymer A
117	Upper Head	Precision cast AISI 304 Steel
191	Front Adjusting Ring	Abrasion-Proof Synthetic Material
192	Rear Adjusting Ring	Abrasion-Proof Synthetic Material
270	Upper Shaft Guide Bushing	Rubber
271	Intermediate Shaft Guide Bushing	Abrasion-Proof Synthetic Material

* In contact with the liquid



4" Borehole Submersible Pumps
Performance Curves

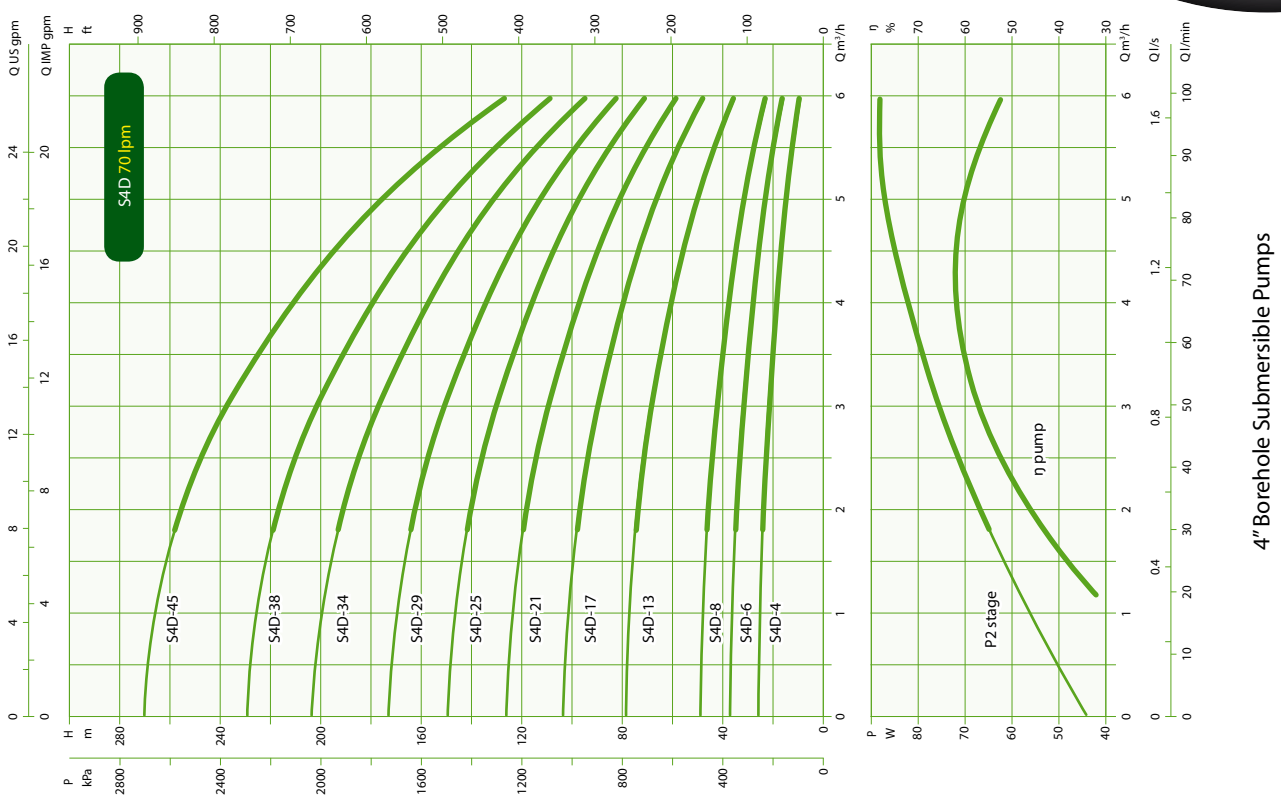




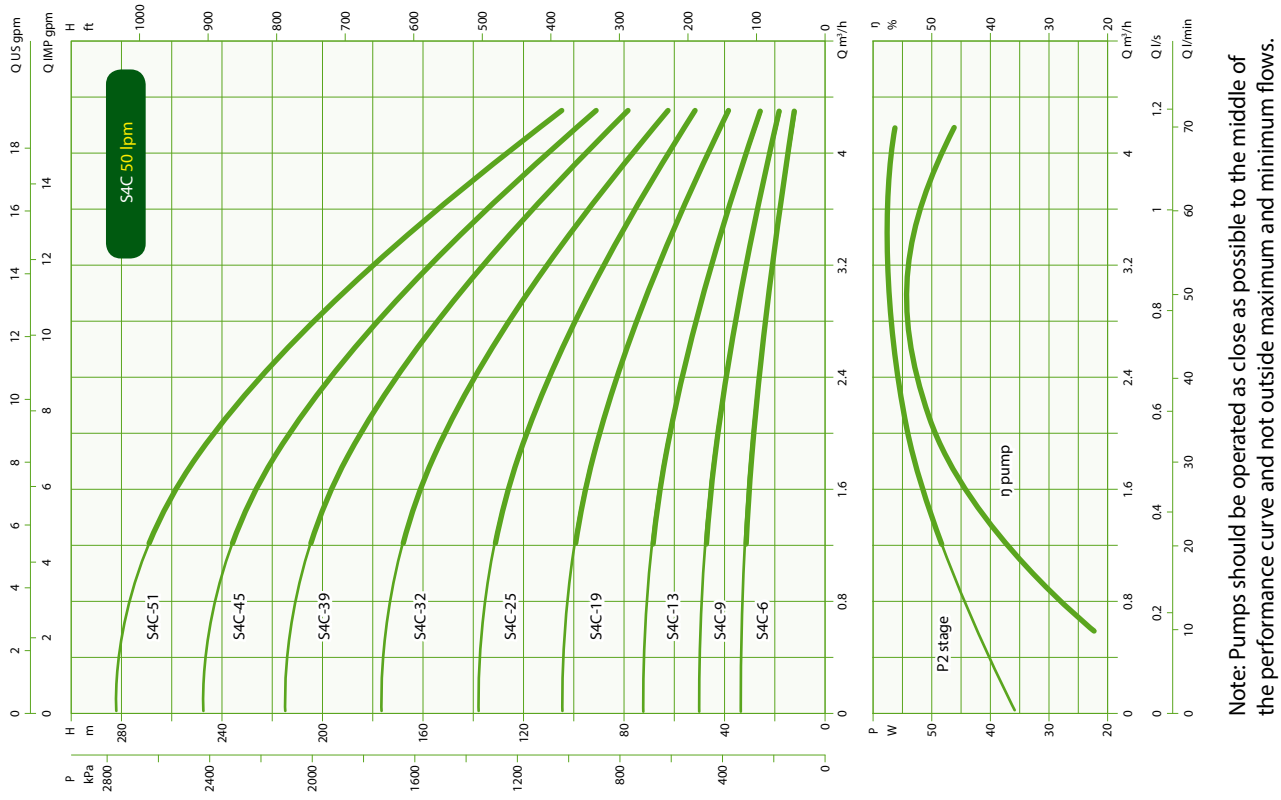
4" Borehole Submersible Pumps

Note: Pumps should be operated as close as possible to the middle of the performance curve and not outside maximum and minimum flows.

4" Borehole Submersible Pumps Performance Curves

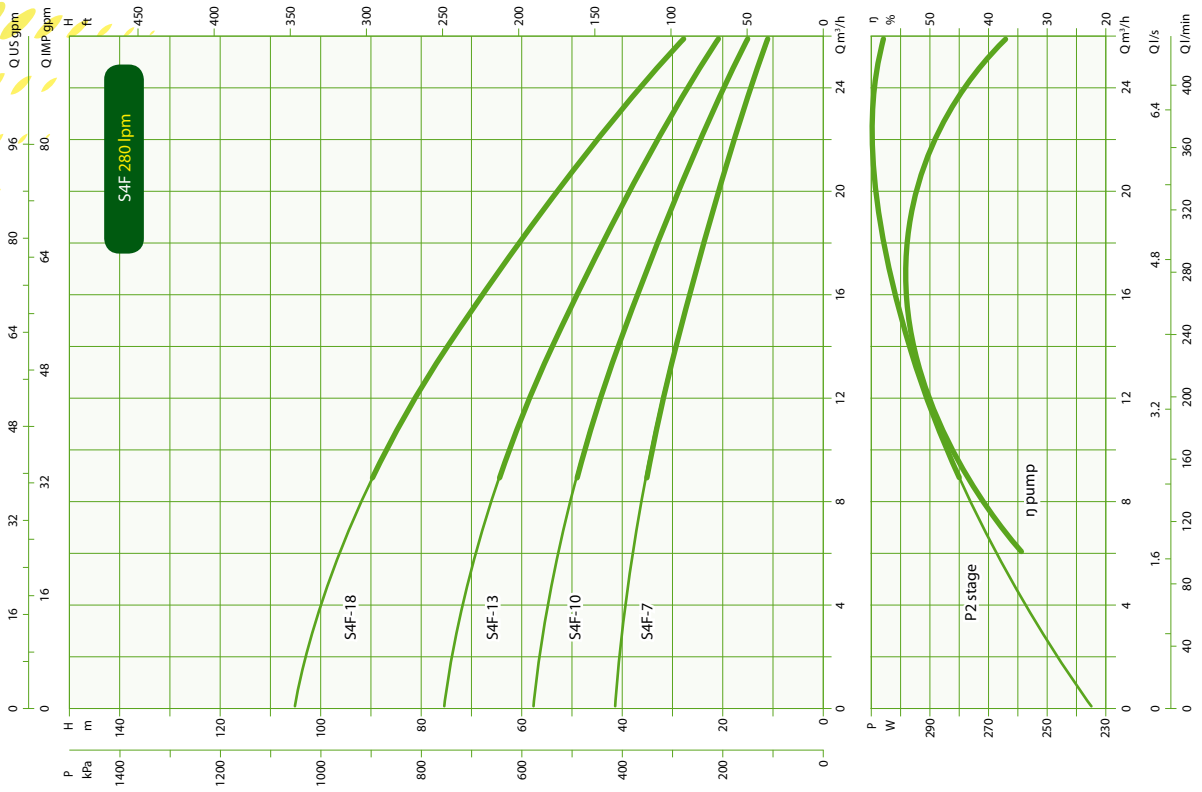


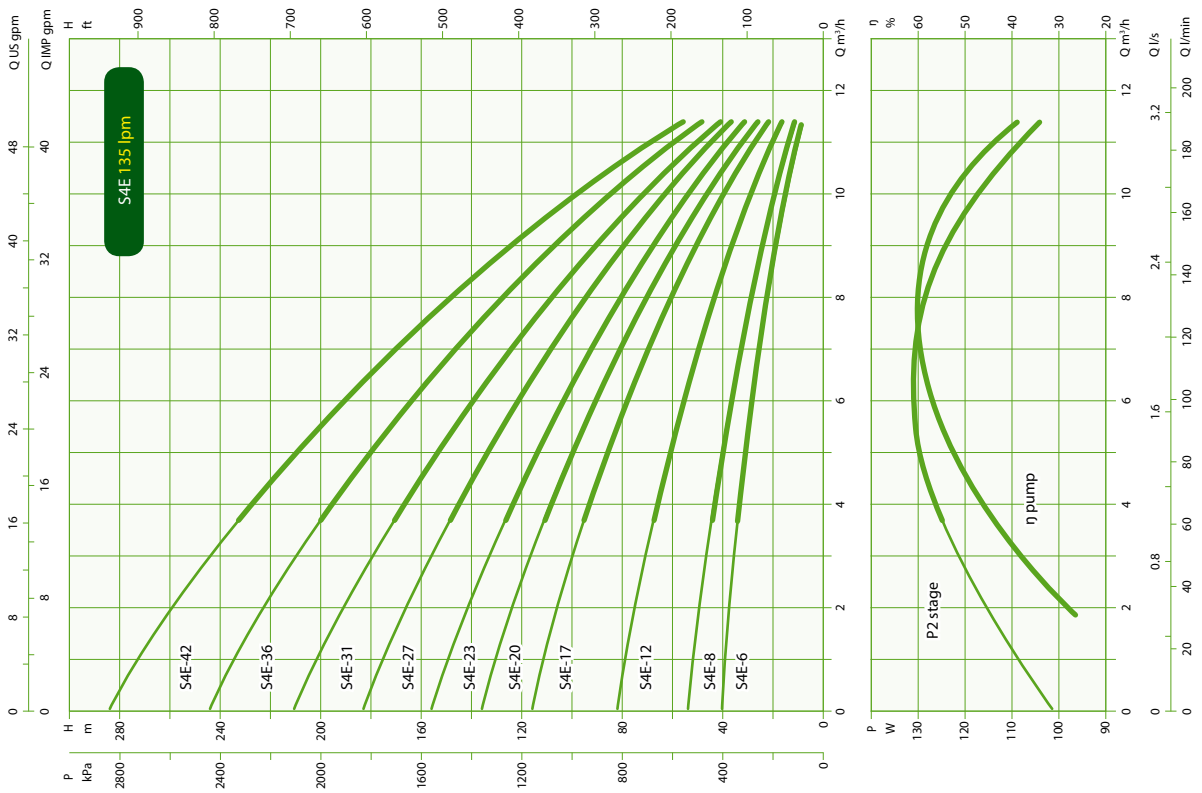
4" Borehole Submersible Pumps



Note: Pumps should be operated as close as possible to the middle of the performance curve and not outside maximum and minimum flows.

4" Borehole Submersible Pumps
Performance Curves





4" Borehole Submersible Pumps

Note: Pumps should be operated as close as possible to the middle of the performance curve and not outside maximum and minimum flows.

4" Borehole Submersible Pumps
Selection Chart

Model		P2 Nominal		m³/h	0	0.6	1.2	1.5	1.8	2.14	3	4.2	4.8	6	9	11.4	18	24	27
Single	Three-phase	kW	hp	l/min	0	10	20	25	30	40	50	70	80	100	150	190	300	400	500
S4A-8M		0.25	0.33			44.4	26.8	13.7											
S4A-12M	S4A-12T	0.37	0.50			66.6	40.2	20.5											
S4A-18M	S4A-18T	0.55	0.75			99.8	60.3	30.8											
S4A-25M	S4A-25T	0.75	1.00			138.7	83.7	42.7											
S4A-36M	S4A-36T	1.10	1.50			200.0	120.6	61.6											
S4A-50M	S4A-50T	1.50	2.00			277.4	167.5	85.5											
S4B-5M		0.25	0.33			30.0	26.0	22.6	19.0	10.0									
S4B-8M	S4B-8T	0.37	0.50			47.8	41.5	36.2	30.6	16.0									
S4B-12M	S4B-12T	0.55	0.75			71.8	62.3	54.4	45.8	24.0									
S4B-16M	S4B-16T	0.75	1.00			95.7	83.0	72.5	61.0	32.0									
S4B-24M	S4B-24T	1.10	1.50			143.5	124.6	108.7	91.7	48.0									
S4B-32M	S4B-32T	1.50	2.00			191.4	166.0	144.9	122.2	64.0									
S4B-40M	S4B-40T	2.20	3.00			239.2	207.6	181.2	152.8	80.0									
S4B-48M	S4B-48T	2.20	3.00			287.1	249.2	217.4	183.4	96.0									
S4C-6M	S4C-6T	0.37	0.50				31.8	30.7	29.4	26.4	22.7	13.2							
S4C-9M	S4C-9T	0.55	0.75				47.7	46.0	44.0	39.6	34.0	19.8							
S4C-13M	S4C-13T	0.75	1.00				68.9	66.4	63.7	57.2	49.2	28.6							
S4C-19M	S4C-19T	1.10	1.50				100.7	97.0	93.0	83.6	71.8	41.8							
S4C-25M	S4C-25T	1.50	2.00				132.5	128.0	122.5	110.0	94.5	55.0							
S4C-32M	S4C-32T	2.20	3.00				169.6	163.0	156.8	140.8	120.9	70.4							
S4C-39M	S4C-39T	2.20	3.00				206.7	200.0	191.1	171.6	147.4	85.8							
	S4C-45T	3.00	4.00				238.5	229.0	220.5	198.0	170.1	99.0							
	S4C-51T	3.00	4.00				270.3	261.0	250.0	224.4	192.8	112.2							
S4D-4M	S4D-4T	0.37	0.50	H					23.0	22.0	21.8	18.0	16.2	11.2					
S4D-6M	S4D-6T	0.55	0.75	(m)					34.5	33.0	31.5	27.0	24.3	16.8					
S4D-8M	S4D-8T	0.75	1.00						46.0	44.0	42.0	36.0	32.5	22.4					
S4D-13M	S4D-13T	1.10	1.50						47.7	71.5	68.3	59.0	52.6	36.4					
S4D-17M	S4D-17T	1.50	2.00						98.0	93.5	89.5	77.5	6.88	47.6					
S4D-21M	S4D-21T	2.20	3.00						121.0	115.5	110.0	96.0	85.0	8.5					
S4D-25M	S4D-25T	2.20	3.00						144.0	137.5	132.0	114.5	101.2	70.0					
	S4D-29T	3.00	4.00						166.0	159.5	152.0	132.0	117.4	81.2					
	S4D-34T	3.00	4.00						196.0	187.0	179.5	155.0	137.7	95.2					
	S4D-38T	4.00	5.50						219.0	209.0	200.0	173.0	153.9	106.4					
	S4D-45T	4.00	5.50						259.0	247.5	237.0	205.0	182.2	127.0					
S4E-6M	S4E-6T	0.75	1.00									31.5	30.0	27.0	17.6	7.7			
S4E-8M	S4E-8T	1.10	1.50									42.0	40.0	37.0	23.4	10.3			
S4E-12M	S4E-12T	1.50	2.00									63.0	60.0	55.0	35.2	15.5			
S4E-17M	S4E-17T	2.20	3.00									89.5	86.0	78.0	49.8	21.9			
	S4E-20T	3.00	4.00									105.0	101.5	91.0	58.6	25.7			
	S4E-23T	3.00	4.00									120.5	117.0	104.5	67.4	29.6			
	S4E-27T	4.00	5.50									141.5	137.0	122.5	79.2	34.8			
	S4E-31T	4.00	5.50									162.0	156.0	140.0	90.9	39.9			
	S4E-36T	5.50	7.50									188.0	180.0	162.0	105.5	46.5			
	S4E-42T	5.50	7.50									220.0	211.0	189.0	123.2	54.0			
S4F-7M	S4F-7T	2.20	3.00												36.0	33.0	24.0	15.0	11.0
	S4F-10T	3.00	4.00												50.8	47.0	34.0	22.0	16.0
	S4F-13T	4.00	5.50												66.0	62.0	44.7	28.0	20.0
	S4F-18T	5.50	7.50												91.0	84.0	61.2	39.0	28.0

Note: Pumps should be operated as close as possible to the middle of the performance curve and not outside maximum and minimum flows.

Multistage Pumps

Tesla Diver Pumps

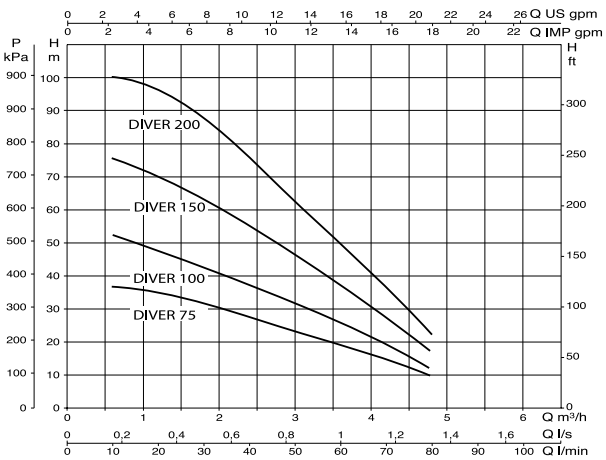
Ideal for household pressure systems and irrigation in aerated treatment systems.

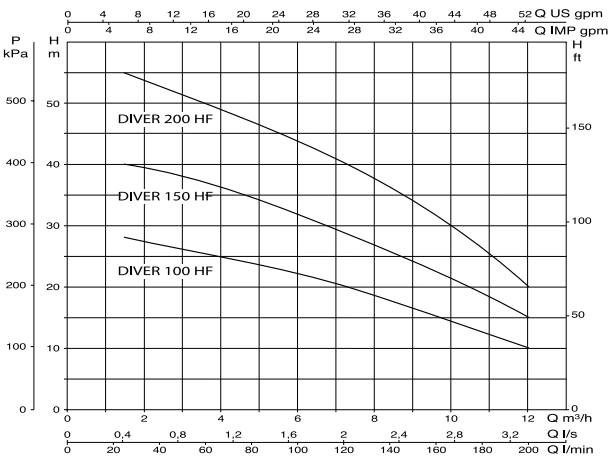
Features:

- Stainless steel shaft for high corrosion resistance
- Through body motor cooling
- Specially designed algae resistant suction strainer
- Silicon carbide mechanical seal
- Argon filled motor
- Detachable power cord
- Separate control box
- Manual reset overload

AS/NZS4020 Approved for Drinking Water
12 Month Warranty

Model	Pronto Code	Description
TES-DIVER75MA	709862	0.55kW, 0.7hp, 240V, max hd 35m, max flow 80L/m Includes Control Box and float switch 1 1/4" BSPF outlet
TES-DIVER100MA	709845	0.75kW, 1.0hp, 240V, max hd 50m, max flow 80L/m Includes Control Box and float switch 1 1/4" BSPF outlet
TES-DIVER150MA	709851	1.1kW, 1.5hp, 240V, max hd 72m, max flow 80L/m Includes Control Box and float switch 1 1/4" BSPF outlet
TES-DIVER150MHFA	709854	1.1kW, 1.5hp, 240V, max hd 40m, max flow 200L/m Includes Control Box and float switch 1 1/4" BSPF outlet
TES-DIVER200M	709858	1.5kW, 2.0hp, 240V, max hd 96m, max flow 80L/m Includes Control Box 1 1/4" BSPF outlet
TES-DIVER200MA	803159	1.5kW, 2.0hp, 240V, max hd 96m, max flow 80L/m Includes Control Box and float switch 1 1/4" BSPF outlet
TES-DIVER200MHFA	803160	1.5kW, 2.0hp, 240V, max hd 55m, max flow 200L/m Includes Control Box and float switch 1 1/4" BSPF outlet





Circulator for Heating & Air-Conditioning Systems

Applications

Pump for circulating hot water in closed and pressurised or open tank centralised home heating systems. Also suitable for solar power systems.

Construction Characteristics

- Single body comprising cast iron hydraulic unit and wet rotor motor.
- Die-cast aluminium motor casing.
- Technopolymer impeller.
- Tempered stainless steel driving shaft mounted on graphite brushings lubricated by the pumped liquid.
- Stainless steel protective rotor sleeve, stator sleeve and closing flange.
- Ceramic thrust bearing, E.P.D.M. O-rings and brass air outlet cap.
- Two-pole asynchronous motor with squirrel cage rotor designed to work at three speeds, by means of a special selector located on the terminal board, in order to adapt the operation of the circulator to the characteristics of the system.
- An automatic clapet type valve is incorporated into the delivery mouth of the twin version in order to prevent water from recirculating while the unit is not working.
- Motor self-protected against resistance. No overload protection required.
- 2 Year DAB Pump Parts and Labour Warranty

DAB-VA35-130
702734

CAST IRON DOMESTIC CIRCULATOR - for hot water circulation in hot water domestic systems. Also suitable for solar power systems.

Model	Pronto Code	Max Flow	Max Head	Centre Distance	Power	Outlet
DAB-VA35-130	702734	50 l/m	4.3 m	130 mm	56W	1 ½" G
DAB-VA55-130	702735	60 l/m	5.4 m	130 mm	70W	1 ½" G
DAB-VA65-130	702736	60 l/m	6.0 m	130 mm	78W	1 ½" G

Model	Pronto Code	Max Flow	Max Head	Centre Distance	Power	Outlet
DAB-A80-180XM	701452	140 l/m	8.9m	180mm	260W	2" G

BRONZE DOMESTIC CIRCULATOR - With air separator for heating and air conditioning systems

Model	Pronto Code	Max Flow	Max Head	Centre Distance	Power	Outlet
DAB-VS65-150	702738	60 l/m	6.0 m	150 mm	77W	1 ½" G

DAB-VS65-150
702738

CIRCULATOR ACCESSORIES

Model	Pronto Code	
DAB-UNION3/4	702730	Cast Iron (pair) suit 1-1/2" port, 3/4" BSPF
DAB-UNION1	702727	Cast Iron (pair) suit 1-1/2" port, 1" BSPF
DAB-UNION1-1/4F	702728	Cast Iron (pair) suit 2" port. 1-1/4" BSPF
DAB-UNION3/4B	702731	Brass (pair) suit 1-1/2" port, 3/4" BSPF
DAB-UNION1B	702729	Brass (pair) suit 1-1/2" port, 1" BSPF

Submersible Drainage Pump Solutions

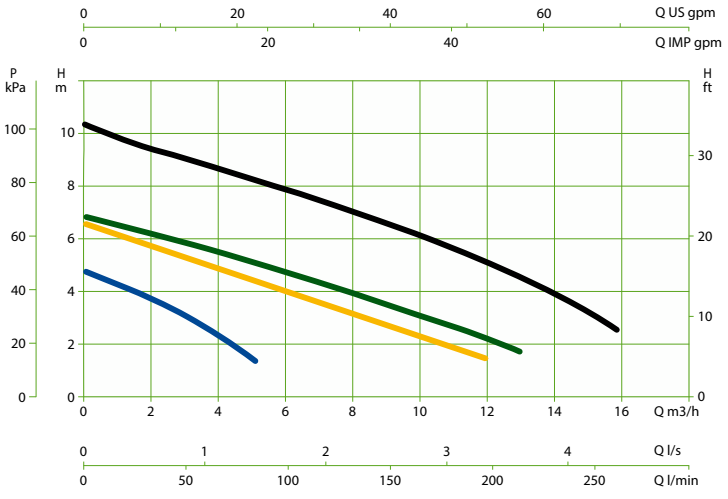
Drainage Pumps

- Reinforced inert plastic body: non-corrosive for long life
- Built-in rigid float activated automatic, switch factory set for reliable operation, eliminates float cable failure
- Stainless steel shaft and screws: motor body corrosion resistant for longer life
- Repairable: longer service life
- Ball bearings for longer life and quiet operation
- Pressure equalised bearing chamber to prevent water entry to motor via the seal area
- Ground rotor shaft, triple lip seals in oil chamber: longer seal and pump life
- 2 Year DAB Pump Parts and Labour Warranty

Model	Pronto Code	Description
DAB-NOVA180A	701750	0.22kW, 0.3hp, 240V, AUTOMATIC, max hd 4.8m, max flow 80L/m
DAB-NOVA200	701751	0.22kW, 0.3hp, 240V, MANUAL, max hd 6.6m, max flow 200L/m
DAB-NOVA300A	701752	0.22kW, 0.3hp, 240V, AUTOMATIC, max hd 6.8m, max flow 217L/m
DAB-NOVA600A	701753	0.55kW, 0.75hp, 240V, AUTOMATIC, max hd 10.2m, max flow 270L/m
DAB-NOVASALTMA*	600273	0.2kW, 0.28hp, 240V, AUTOMATIC, Max Head 7.0m, Max Flow 120L/m, flexible float cable, Ports 1 1/4" BSPF Outlet
DAB-VERTYNOVA400M	702737	Auto Manual 0.4kW, 0.55hp, 240V, Plastic Construction, max hd 9m, max flow 180l/m, 1 1/4 BSPF outlet. Ideal for pits and confined spaces where floats do not work.

**Models available in New Zealand only*

DAB-VERTYNOVA
702737



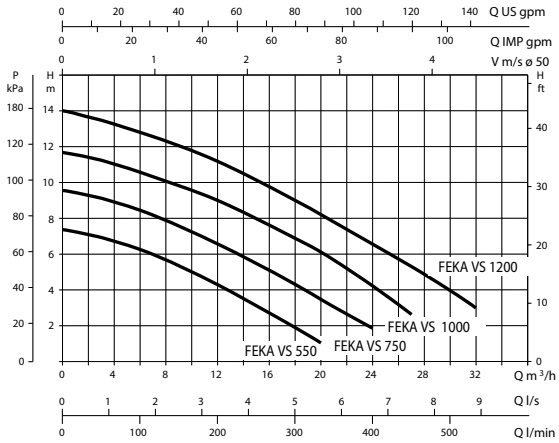
Submersible Drainage Pump Solutions

Vortex Pumps
FEKA

DAB-FEKA600A
701556

- Reinforced inert plastic body: non-corrosive for long life
- Built-in rigid float activated automatic switch factory set for reliable operation, eliminates float cable failure
- Stainless steel shaft and screws: motor body corrosion resistant for longer life
- Repairable: longer service life
- Ball bearings for longer life and quiet operation
- Pressure equalised bearing chamber to prevent water entry to motor via the seal area
- Ground rotor shaft, triple lip seals in oil chamber: longer seal and pump life
- Soft solids up to 25mm
- 2 Year DAB Pump Parts and Labour Warranty

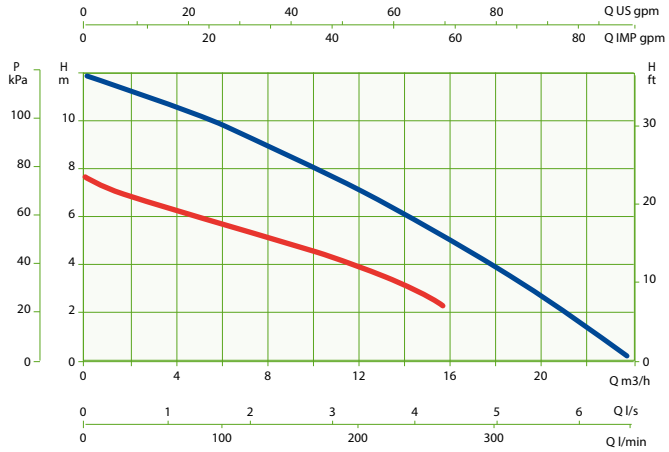
Model	Pronto Code	Description
DAB-FEKA600A	701556	0.55kW, 0.75hp, 240V, AUTOMATIC, max hd 7.45m, max flow 265L/m. Particle size 25mm
DAB-FEKAVS550MA	701559	0.55kW, 0.75hp, 240V, AUTOMATIC, max hd 7.4m, max flow 330L/m, 2" BSPF outlet. Particle size 50mm
DAB-FEKAVS750MA	701560	0.75kW, 1.0hp, 240V, AUTOMATIC, max hd 9.6m, max flow 400L/m, 2" BSPF outlet. Particle size 50mm
DAB-FEKAVS1000MA	701557	1.0kW, 1.36hp, 240V, AUTOMATIC, max hd 11-8m, ax flow 450L/m, 2" BSPF outlet. Particle size 50mm
DAB-FEKAVS1200MA	701558	1.2kW, 0.6hp, 240V, AUTOMATIC, max hd 14m, ax flow 533L/m, 2" BSPF outlet. Particle size 50mm



FEKA BVP

- Designed for pumping foul water containing soft solid particles up to 38mm
- Anti-corrosion and anti-oxidation materials
- Motor with thermal protection against overheating
- Wear resistant motor shaft and impeller
- Excellent motor cooling to allow pump to run even when only partially submerged.
- Equipped with float switch for automatic starting and stopping of the pump
- Equipped with power cable and plug, 3-level union, without check valve
- Soft solids up to 38mm
- 2 Year DAB Pump Parts and Labour Warranty

Model	Pronto Code	Description
DAB-BVP750MA	800102	0.75kW, 1hp, 240V, AUTOMATIC, max hd 11.4m, max flow 400L/m



FEKA 600A FEKA BVP

DAB-FEKAVS550MA
701559

DAB-BVP750MA
800102

Disclaimer: Every effort has been made to publish the correct details in this brochure. No responsibility will be taken for errors, omissions or changes in product specifications.

30 Litre Under Basin Automatic Collecting Station

NOVABOX

- 30 litre Technopolymer container
- Suitable for use in domestic waste water from baths, hand basins, showers and washing machines
- Fitted with 240 volt automatic DAB-NOVA300A drainage pump
- 5 meter power lead
- Discharge check valve
- Flow rates from 16l/m to 120l/m, Heads up to 6.8 meters
- Suitable for water temperature up to 50° C in normal operation and up to 90°C for 3 minutes
- 2 Year DAB Pump Parts and Labour Warranty

Model	Pronto Code	Description
DAB-NOVABOX30-300M	701754	30 LITRE NOVA300 PUMP FITTED

DAB PUMPS

- Italian Owned & Designed
- Proven Reliability
- Highest Quality
- Serviceable

....for 40 Years

Pressurised Water Storage Tanks

PressureWave Tanks

- Virgin polypropylene liner
- Stainless steel water connection
- Corrosion resistant for longer life
- Controlled action diaphragm
- Brass air stem with sealing cap eliminates air leaks
- Condensation reducing design
- Food grade approved high-grade butyl membrane
  WSF, WRC, CE FDA/ACS
- Max. working temperature: 90°C
- Max. working pressure: 150psi/10bar
- Tank pre charge: 28psi/1.9bar
- 5 Year Tank Replacement Guarantee

Model	Pronto Code	Actual Capacity (litres)	Nominal Draw-off (litres)	Recommended Max. Working Pressure	Connection BSP (inches)	Dimensions (mm x mm)
FLE-PWB2V	703028	2	0.6	10 Bar	1	126 x 209
FLE-PWB8V*	703034	8	3	10 Bar	1	202 x 313
FLE-AWB18V*	800377	18	6	10 Bar	1	276 x 425
FLE-PWS20H*	703037	20	8	10 Bar	1	294 x 447
FLE-AWB24V	800378	24	8	10 Bar	1	301 x 454
FLE-PWB35V*	703029	35	11	10 Bar	1	318 x 555
FLE-PWB60V*	703030	60	22	10 Bar	1	389 x 620
FLE-PWS20H	703037	20	8	10 Bar	1	294 x 447
FLE-PWS60H*	703038	60	22	10 Bar	1	424 x 530
FLE-PWB80V	703032	80	29	10 Bar	1	389 x 815
FLE-PWB100V	703021	100	36	10 Bar	1	430 x 804
FLE-PWB150V	703022	150	54	10 Bar	1	530 x 924

High Pressure PressureWave 16 & 24 Bar Tanks

- Suitable for many high pressure applications
- Super thick steel construction
- Patented water connection
- Virgin polypropylene liner
- Two part polyurethane, epoxy primed paint finish
- Leak free O-ring sealed air valve cap
- Comprehensive testing
- No maintenance
- Single diaphragm design
- NSF Standard 61, CE/PED, WRAS approved
- All connections are stainless steel unless stated otherwise.
- Tank precharge: 60psi/4 bar
- Maximum working pressure: 235psi 16 bar / 362psi 24 bar
- Maximum working temperature: 200° F/ 90° C

Model	Pronto Code	Actual Capacity (litres)	Nominal Draw-off (litres)	Recommended Max. Working Pressure	Connection BSP (inches)	Dimensions (mm x mm)
FLE-PWB8V-16*	703035	8	3	16 Bar	1	202 x 313
FLE-PWB18V-16*	703024	18	6	16 Bar	1	279 x 367
FLE-PWB80V-16	703033	80	29	16 Bar	1	390 x 815
FLE-PWB8V-25	711887	8	3	25 Bar	1	203 x 313
FLE-PWB24V-25	711649	24	9	25 Bar	1	293 x 447
FLE-PWB100V-25	800604	100	36	25 Bar	1	435 x 823

* These tanks carry watermark approved to ATS 5200.485 - Lic. No. AGA60044

GWS PressureWave Tanks - Energy Saving Device

- Extends pump life • Reduces noise • Stores energy • Eliminates pump starts
- Protects against heat expansion • Stops water wastage from hot water heaters
- NO MAINTENANCE - NO WORRIES

WaterMark

ATS 5200.485-2006 License No: 60044 Watermark Level 1 Water mark logo only applies to the GWS Energy Saver Tanks. The Watermark does not apply to pumps. Watermark applies to PressureWave Tank sizes 8, 18, 20, 35 & 60 Litres.

Challenger Pressure Tanks

- Efficient and cost effective
- Patented controlled action - double diaphragm assembly
- Threaded nut for easy installation of pump stand
- Welded stainless steel elbow
- Appliance quality paint finish over epoxy primer coat for durability and high luster
- Suitable for drinking water: bacteria resistant
- Condensation reducing design reduces corrosion and increases life
- Adjustable air charge
- Diaphragm's positive lock internal clench ring cannot slip
- Stainless steel port diffuser directs water flow upward and outward while locking the lower diaphragm in place
- Max. working temperature: 45˚C
- Max. working pressure: 125psi/8.6bar
- Tank precharge: 20psi/1.4bar
- 5 Year Tank Replacement Guarantee

After setting the pre-charge to 65% of maximum pump pressure, no regular air charge checks are required.

Model	Pronto Code	Actual Capacity (litres)	Nominal Draw-off (litres)	Recommended Max. Working Pressure	Connection BSP (inches)	Dimensions (mm x mm)
FLE-C200V	702999	200	73	10 Bar	1-¼	534 x 1041
FLE-C240V	703000	240	86	10 Bar	1-¼	534 x 1224
FLE-C310V	703007	310	113	10 Bar	1-¼	534 x 1511
FLE-C450V	703008	450	165	10 Bar	1-¼	661 x 1539

GWS PressureWave Tanks - Energy Saving Device
• Extends pump life • Reduces noise • Stores energy • Eliminates pump starts
• Protects against heat expansion • Stops water wastage from hot water heaters

C2B Fibreglass Tanks

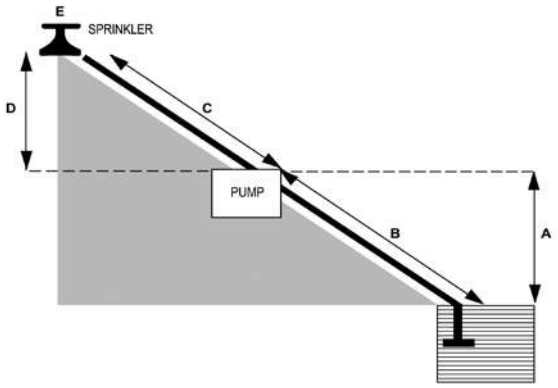
- Lightweight non-corroding scratch resistant construction
- Precision injection moulded copolymer polypropylene domes
- Reinforced with durable continuous strand fibreglass
- Sealed with epoxy resin
- Rugged injection moulded ABS base
- Patented CAD-2 controlled action diaphragm, 100% potable quality butyl
- Internal clench ring becomes even more positive at higher pressures
- Double diaphragm reduces condensation due to 'air buffer' design
- Pre charged air side 20psi/1.4Bar
- Maximum Temperature up to 50°C
- Reinforced base mounted plastic flow-through connection to prevent solids build-up
- Standard maximum pressure 130psi/8.6Bar
- 5 Year Tank Warranty

Model	Pronto Code	Actual Capacity Pressure	Nominal Draw Off (inches)	Recommended max. working pressure	Connection BSP (inches)	Dimensions (mm x mm)
FLE-C2B80V	703006	80	29	8.6 Bar	1	852 x 418
FLE-C2B100V	703001	100	36	8.6 Bar	1	967 x 418
FLE-C2B130V	703002	130	46	8.6 Bar	1	1227 x 418
FLE-C2B200V	703003	200	72	8.6 Bar	1 - ¼	1098 x 542
FLE-C2B250V	703004	250	90	8.6 Bar	1 - ¼	1303 x 542

*Add up the amount of water used by all appliances in your home that are likely to be operating at the same time, i.e. Suppose that you have 3 appliances used at once = Tap, Washing machine and a Shower. Adding up the amount of water used by these 3 is: Tap (10 - 15 l/min) + Washing Machine (10 -15 l/min) + Shower (10 -15 l/min) = TOTAL of 30 - 45 l/min.

How Many Litres A Minute Do You Need?

Appliances likely to operate at once*		✔
Toilet	9 l/min	☐
Shower	10 - 15 l/min	☐
Water Saving Shower Head	6 - 7 l/min	☐
Household Tap	10 - 15 l/min	☐
Dishwasher	15 l/min	☐
Washing Machine	10 - 15 l/min	☐
Garden Hose	20 l/min	☐
Lawn Sprinkler	10 - 15 l/min	☐



Water Pressure Systems	✔		✔
Cottage 10 - 20 l/min	☐	Small House 20 - 30 l/min	☐
Medium House 30 - 50 l/min	☐	Large House 50 - 90 l/min	☐

Requirements	✔		✔		✔		✔
Household Pressure	☐	Garden Sprinkler/s	☐	Wash Down	☐	Drainage	☐
Tank Filling	☐	Irrigation	☐	Sewage	☐		

Water Source	✔		✔		✔		✔
Dam	☐	Bore	☐	Spearpoint	☐	Tank	☐
Aboveground	☐	Inground	☐	River	☐	Town Mains**	☐

**If mains are different times of the day, require 3 seperate pressures.

If pumping from a Bore		
Bore Diameter ..... Type of Casing..... Full Cased		
Is the Casing Slotted	☐ Yes ☐ No	
Standing Water Level (SWL)	.....mtrs	Draw Down (at rated flow) DDL .....mtrs
Aquifer Depth	.....mtrs	(Indicate depth of other) .....mtrs
Bore Test (six hours min)	☐ Yes ☐ No	Rated Flow ..... l/m
Power Supply	☐ 240V ☐ 415V	If powered by generator state KVA .....
Required to Operate	☐ Manual ☐ Auto	

Application (see diagram)	
- Suction Pipe	
A) Height from water to pump .....mtrs	Type .....
B) Pipe Length .....mtrs	Type .....
Diameter of Pipe.....mm	Class of Pipe .....
- Deliver Pipe	
C) Pipe Length .....mtrs	Type .....
Diameter of Pipe.....mm	Class of Pipe .....
D) Height from Pump to Discharge .....mtrs	E) Demand Pressure .....kpa

Total Output Required .....l/m Number of outlets to be used at once:		
Flow Required .....l/m	Delivery Head .....mtrs	Total Delivery Head .....mtrs
Demand Pressure .....kpa	Friction Head .....mtrs	Add Demand Pressure .....mtrs (if required)
Suction Head .....mtrs	Total Suction Head .....mtrs	

Useful Information

Pipe Friction Charts

Friction loss for Rubber Hose (m/100 metres of hose)						
Flow rate		Friction Loss (m/100 metres of hose)				
litres/minute	m^3/hour	20mm	25mm	32mm	40mm	50mm
12	0.72	4.29	1.14	0.37	0.15	
30	1.8	22.81	5.88	1.9	0.77	0.2
60	3.6		21.11	6.71	2.67	0.7
120	7.2			24.37	9.56	2.47
180	10.8				20.43	5.21
240	14.4				35.22	8.9
270	16.2					11.1

Friction Loss for PVC Pipe - 50mm to 150mm (m/100 metres of pipe)									
Flow rate		50mm		80mm		100mm		150mm	
litres/minute	m^3/hour	PN 9	PN 12	PN 9	PN 12	PN 9	PN 12	PN 9	PN 12
60	3.6	0.42	0.48						
120	7.2	1.42	1.65	0.23	0.26				
180	10.8	2.97	3.4	0.46	0.53				
240	14.4	4.98	5.68	0.77	0.89	0.23	0.26		
300	18	7.43	8.49	1.15	1.32	0.34	0.39		
360	21.6			1.6	1.83	0.48	0.55		
420	25.2			2.11	2.42	0.63	0.72		
480	28.8			2.68	3.07	0.8	0.91		
540	32.4			3.31	3.8	0.98	1.13	0.19	0.22
600	36			4	4.59	1.19	1.36	0.23	0.27
900	54					2.47	2.82	0.48	0.55
1200	72					4.15	4.75	0.81	0.93
1560	93.6							1.3	1.5
2100	126							2.23	2.56

Friction Loss for Poly Pipe - 25mm to 50mm (m/100 metres of pipe)									
Flow rate		25mm O.D.		32mm O.D.		40mm O.D.		50mm O.D.	
litres/min	m^3/hour	PN 6.3	PN 12.5	PN 6.3	PN 12.5	PN 6.3	PN 12.5	PN 6.3	PN 12.5
12	0.72	2.12	2.97	0.56	0.9	.018	0.32	0.06	
30	1.8	10.53	14.83	2.78	4.45	0.86	1.58	0.27	0.55
48	2.88	24.24	34.17	6.37	10.2	1.97	3.62	0.61	1.25
60	3.6			9.46	15.17	2.92	5.38	0.91	1.85
72	4.32			13.09	21	4.04	7.43	1.25	2.55
96	5.76			21.88		6.73	12.41	2.08	4.25
120	7.2					10.02	18.5	3.10	6.33
180	10.8							6.39	13.07
240	14.4							10.70	

Useful Information

Pipe Friction Charts

Friction Loss for Poly Pipe - 63mm to 110mm (m/100 metres of pipe)									
Flow rate		63mm O.D.		75mm O.D.		90mm O.D.		110mm O.D.	
litres/minute	m^3/hour	PN 6.3	PN 12.5	PN 6.3	PN 12.5	PN 6.3	PN 12.5	PN 6.3	PN 12.5
60	3.6	0.33	0.61	0.14	0.26				
120	7.2	1.11	2.07	0.48	0.89	0.20	0.37		
180	10.8	2.29	4.27	0.99	1.83	0.42	0.76	0.16	0.29
240	14.4	3.82	7.15	1.65	3.05	0.69	1.27	0.27	0.49
300	18	5.70		2.46	4.55	1.03	1.89	0.40	0.72
360	21.6	7.92		3.42	6.32	1.43	2.63	0.55	1
420	25.2			4.51		1.88	3.46	0.72	1.32
540	32.4			7.09		2.96	5.45	1.14	2.07
600	36					3.58	6.59	1.37	2.5
900	54							2.85	5.2
1200	72							4.8	

Flow in litres/min	Rural Class B Pipe					Friction Loss for Poly Pipe - 20mm to 63mm (m/100 metres of pipe) Medium Density Polythene Pipe																							
						PE80/PN8 (mm)						PE80/PN10 (mm)						PE80/PN12.5 (mm)						PE80/PN16 (mm)					
	3/4"	1"	1 1/4"	1 1/2"	2"	20	25	32	40	50	63	20	25	32	40	50	63	20	25	32	40	50	63	20	25	32	40	50	63
10	2.7	0.7	0.2	0.1	-	3.9	1.4	0.3	0.1	-	-	4.5	1.4	0.4	0.1	-	-	5.3	1.8	0.5	0.2	0.1	-	6.8	2.2	0.7	0.2	0.1	-
20	9.8	2.4	0.8	0.3	0.1	14.2	4.0	1.2	0.4	0.1	-	16.4	5.1	1.5	0.5	0.2	0.1	19.0	6.4	1.8	0.6	0.2	0.1	24.4	8.0	2.4	0.8	0.3	0.1
30	20.8	5.1	1.7	0.7	0.2		8.5	2.6	0.9	0.3	0.1		10.7	3.2	1.0	0.4	0.1		13.6	3.8	1.3	0.4	0.1		17.0	5.2	1.7	0.6	0.2
40		8.7	2.9	1.2	0.3			4.5	1.5	0.5	0.2			5.4	1.7	0.6	0.2			6.5	2.2	0.8	0.2			8.8	2.9	1.1	0.3
50		13.2	4.5	1.8	0.5			6.8	2.3	0.8	0.3			8.1	2.6	0.9	0.3			9.8	3.4	1.1	0.4			13.3	4.4	1.5	0.5
60		18.5	6.2	2.6	0.6			9.5	3.2	1.1	0.4			11.4	3.7	1.3	0.4			13.7	4.8	1.6	0.5			18.0	6.2	2.0	0.7
80		30.1	10.6	4.4	1.1				5.5	1.8	0.6				6.3	2.3	0.7				8.1	2.7	0.9				10.5	3.5	1.2
100			16.1	6.6	1.6				8.3	2.7	0.9				9.5	3.4	1.1				12.2	4.1	1.3				15.9	5.3	1.7
120				9.3	2.3					3.8	1.3					4.8	1.5					5.8	1.9					7.4	2.4
140				12.3	3.0					5.1	1.7					6.4	2.0					7.7	2.5					9.8	3.2
160					3.9					6.5	2.2					8.1	2.6					9.8	3.2					12.6	4.2
180					4.8						2.7						3.3						3.9						5.2
200					5.9						3.3						4.0						4.8						6.3
220					7.0						3.9						4.7						5.7						7.5
240					8.2						4.6						5.6						6.7						8.8
250					8.9						5.0						6.0						7.2						9.5

Optional 6 Year DAB Pump Extended Warranty only applies to models specified, MP/Tank & MPCI models.
For additional information refer to our DAB website www.dabpumpsaustralia.com.au

Notes

Notes

Available from your local DAB distributor:

P/I_AUS/NZ_P_DAB_BR_2018

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