

PUMP DIVISION PRODUCT GUIDE

JULY 2021



WINNING SOLUTIONS
QUALITY BRANDS



THE WHITE[®] WAY INTERNATIONAL

White International is a family business built on a foundation of long term relationships with both our partners and our team.

Win-win partnerships are a commitment to each other whether a supplier, distributor or a team member. If it is win-win, it's there for the long term.

Every partnership is an essential building block of our mutual long-term success. Creating positive outcomes that lead to trusting and enduring personal relationships through listening and understanding, being supportive of and being adaptive to our customers needs is at the core of everything that we do.

Our business is committed to providing exceptional service with high quality, innovative products and solutions in a manner that makes us easy to deal with.

We call it 'working and winning' together.

Tony Ryba
Group Managing Director



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BRAND OVERVIEW



DAB designed in Italy 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 offers technological solutions capable of ensuring reliability and efficiency, and to optimise energy consumption for applications such as:

- Residential
- Commercial
- Agricultural
- Irrigation

esyLINE

DAB Esyline is a complete range of innovative high efficiency pump solutions that redefine the rules of residential water pressurisation.

Our class leading Esyline range features fully integrated variable speed pump systems and innovative accessories.



iSOLAR utilises sunlight to provide high performance pumping solutions.

Solar powered pumping systems are a cost-effective alternative to fuel powered pumps where electricity is not readily available and are ideal for remote area water supply. Pumping water using the iSolar technology is simple, reliable and requires less maintenance than traditional pumping solutions.



Bianco Pumpz deliver dependable, innovative, quality, engineered performance pumps that are energy efficient for today's requirements. Bianco Pumpz product range offers application solutions for:

- Irrigation markets (water pump solutions)
- Residential markets (household pump systems and rain harvesting)
- Commercial markets (water pump and drainage solutions)
- Industrial markets (wastewater and sewer solutions)



The iCON range of intelligent controllers are suitable for installation in various industrial, domestic and rural applications.

Controllers are generally used in pumping applications where control of single or multiple pumps are required. Settings for drainage, pressure boosting and transfer applications are easily accomplished by function switches.



The nXt series of pump controllers represents the next step in pressurised pump control. Designed and tested in Australia to ensure operation in the toughest of environments, combining innovation technology with robust proven architecture to guarantee constant supply of pressurised water.



better together

Zenit specialises in the design and manufacture of a range of high quality submersible pumps for domestic, rural, commercial and industrial applications with a premium range of drainage, vortex and grinder pumps.



Thinking solutions.

Reflex is a quality European manufacturer of pressure vessels which stores energy in the form of pressurised water. Less requirement for how many times your pump starts everyday equals lower power costs and longer pump life.

Suitable for horizontal and vertical applications in markets from domestic to commercial.



Rainsaver™ is an automatic pump system that changes the water source from tank water to mains water when your tank runs dry.

The AcquaSaver® Valve is a fully automatic mechanical rainwater/mains water changeover device designed for pressure pump supply systems for harvesting rainwater for the toilet, laundry and household applications with automatic mains backup.

PUMP APPLICATION & DISCOUNT KEY



DOMESTIC & HOUSEHOLD

Pressure Systems | Controllers
Pressure Tanks | Circulators | Accessories

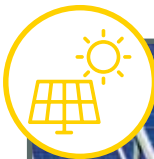
DISCOUNT _____%



FARM & IRRIGATION

Shallow Well | Deep Well | Centrifugal

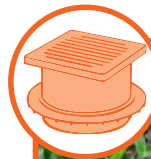
DISCOUNT _____%



SOLAR & BOREHOLE

Borehole | Solar Powered
Variable Frequency Borehole

DISCOUNT _____%



WASTEWATER & DRAINAGE

Drainage | Vortex | Grinder | Macerator
Light Construction | Accessories

DISCOUNT _____%



ENGINE DRIVEN

Fire | Water Transfer | Accessories

DISCOUNT _____%



RAIN HARVESTING

Rain Harvesting Controls | Pump Packages

DISCOUNT _____%



POOL

Domestic Pool

DISCOUNT _____%



BUILDING SERVICES

Building services discount applies to certain products throughout this price list

DISCOUNT _____%

CERTIFICATIONS & APPROVALS

White International distribute over 20,000 products for use in a variety of industries such as agriculture, building services, HVAC, sewerage and wastewater.

We ensure that the products that we distribute hold product certifications, ensuring that product has passed quality assurance and performance tests in order to meet the necessary local, national or international quality standards relevant to the market or product set they serve.

Our focus on premium quality, tried and tested products that hold industry recognised certifications, ensure that the products we distribute are reliable and will last the distance.



Pumps that carry the **AS/NZ4020 Drinking Water Approval** demonstrate compliance with requirements of Australia & New Zealand Standards of products that come into contact with water intended for human consumption. This approval also ensures that the water coming from the pump will not be contaminated by toxic materials or metals. It also means the water will not support the growth of micro-organisms and will not cause a change in taste or appearance.



The **WaterMark** certification scheme is a mandatory certification scheme for plumbing and drainage products to ensure they are fit for purpose and appropriately authorised for use in plumbing and drainage installations.



The **Water Regulations Advisory Scheme (WRAS)** is a conformance mark for whole products such as valves, boilers & showers which undergo mechanical and water quality testing. This type of approval demonstrates compliance with requirements of the regulations and bylaws, provided the fitting is installed according to any conditions given with the approval.



The **"Attestation de conformité sanitaire" (ACS)** is the French drinking water certification which demonstrates the suitability of products to come into contact with water intended for human consumption.



CE marking is a certification mark that indicates conformity with health, safety, and environment. The CE marking represents a manufacturer's declaration that products comply with the EU's New Approach Directives. These directives not only apply to products within the EU but also for products that are manufactured in or designed to be sold in the EEA.



SAA Approvals is accredited by the Joint Accreditation Service of Australia and New Zealand (JAS-ANZ) as a third party certification body to issue of Certificates of Approval for declared and non-declared electrical equipment that has proven to comply with the safety requirements of the applicable Australian Standard.



IECEx is a voluntary system which provides an internationally accepted means of proving compliance with IEC standards. IEC standards are used in many national approval schemes and as such, **IECEx certification** can be used to support national compliance, therefore negating the need in most cases for additional testing. Applicable for Zone 2 hazardous areas.



ATEX is the name commonly given to the two European Directives for controlling explosive atmospheres: 1) Directive 99/92/EC (also known as 'ATEX 137' or the 'ATEX Workplace Directive') on minimum requirements for improving the health and safety protection of workers potentially at risk from explosive atmospheres. Applicable for Zone 1 hazardous areas.



Having access to the White International 'My Account' gives you improved visibility and access to real-time information, saving you time. My Account is available 24/7, 365 days a year, giving you access to the important information you need.

Register or Login to have easy access to...

- **Quick way to check your purchase price for any item online.** This includes promotional prices available to you.
- See if an item is **"In Stock"** or **"Out of Stock"**
- **Placing your orders** when and where it suits you (even outside business hours)
- View your **order history** and retrieve previous invoices
- Track your deliveries. Powered by our freight providers **Track & Trace**.
- Create **order templates** that are shared between your staff members logins
- Enquire on your **account balance** with the ability to request statements or outstanding invoices
- **Securely pay your invoices** online using your credit card
- Access **product images** either high resolution or web ready via our image library
- Generate a **Net Price File** in excel that includes Barcodes, RRP & your store Buy Prices. Ideal for a simple way to maintain your system data.

How to Register

Step 1

Visit www.whiteint.com.au/join

Step 2

Fill out the registration form and click 'Register'

Making payments through your 'My Account'

Account Customers

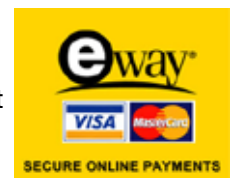
You have the option to pay your account online. Account payments can be made on our website via a Secure Credit Card Payment Gateway.

Secure and Easy

Our portal uses Secure SSL Encryption to protect your information.



All credit card payments made on our site are through the e-WAY Payment Gateway. This means that your payment details go straight through the PCI Compliant Gateway, so White International does not see or store your credit card details.



Invoices and Statements

Ideal for your accounts staff to access all previous invoices via your 'Order History' and generate account statements with options to download in Excel.

Your account manager is:

Your My Account Login is:

Email Address:

Password:

To reset your password go to whiteint.com.au/reset

TO ORDER: www.whiteint.com.au | 1300 783 601 | (02) 9783 6001 | pumpsales@whiteint.com.au

scruffs

HARDWEAR



**PERFORMANCE WORKWEAR THAT DELIVERS
OUTSTANDING COMFORT, DURABILITY AND
VALUE FOR MONEY**



whiteint.com.au/brands/workwear/scruffs



@scruffsaustralia

COAST®

QUALITY SINCE 1919

Defeat the dark with pure force with Coast's new XP professional series range of torches. Featuring COAST Rechargeable Dual Power technology, the XP range of torches runs on a COAST ZITHION-X™ rechargeable battery or standard alkaline batteries. Built with COAST-patented optical technologies, it shines Ultra View Flood Beam and BULLS-EYE™ Spot Beam with seamless transitions between.

STORM PROOF EMERGENCY AREA LIGHTS



Storm Proof



Dust Resistant



Crush Proof



Drop Proof

POLYSTEEL® HANDHELDS

IPX8



*only on selected Polysteel lines



Weatherproof



Dust Resistant



ZITHION-X™

Rechargeable Battery

IP54

XPH PROFESSIONAL RECHARGEABLE HEADLAMPS



whiteint.com.au/coast



DOMESTIC & HOUSEHOLD

esybox max

LINE UP TO THE FUTURE



esybox MAX

NOT JUST A PUMP

DAB has always designed solutions for the pressurisation of water, paying close attention to the needs of the market.

Always evolving and innovating to meet the needs of end-users, installers, maintenance engineers and designers has led to the arrival of the new ESYBOX MAX.

Designed with the idea of revolutionising the way we create pumping sets, ESYBOX MAX is an efficient “all in one” solution that is highly advanced and versatile, yet user friendly.

Made by people, for people.



ENGINEER



MODULAR INTEGRATION

Esybox Max is the most compact and integrated booster set available on the market compared with any traditional solution.

AS QUICK AS A “CLICK”

Install Esydock into your pipework system and simply “plug” your pumps in. A final quick set up via the digital DConnect app completes your installation project.



INSTALLER



EASY TO MOVE & INSTALL

Keeping it flexible, we have the On-Site Assembly concept. So if you have difficulties getting to the pumps location, due to narrow stairways and corridors etc, you can choose to assemble your booster on-site which will only require moving smaller lighter boxes into the location then carry out our quick assembly steps.



MAINTAINER



EASY TO MAINTAIN

Why waste your time stuck in a traffic jam getting to your customers pumps? Now you can connect to them from anywhere.

From the coffee shop, car or the comfort of your own home, just log on through your PC or smartphone to the DConnect app. All you need to do is check the stored data and change any setting with just one click.



esybox max

Esybox Max is the latest innovation in the DAB Esyline range. The Esybox Max provides integrated pumping systems for pressurisation in commercial building services industry and for rural and horticultural applications. Available in two power sizes, it consists of modular elements that allow different configurations to cover the needs of large residential, medium/large apartments and high rise buildings.

Each unit consists of the hydraulic connection base and the pumping unit which includes an electronic vertical multi-impeller pump, LCD display, Wi-Fi module, pressure sensors, non-return valve on delivery and an expansion tank. The innovative support base of the pumping unit and the wireless communication between the pumps make it possible to assemble the unit directly at the installation site, even by one person. The variable frequency drive keeps the pressure constant according to the load. It allows greater efficiency, silence and energy savings thanks to the water-cooled permanent magnet motor.



FEATURES:

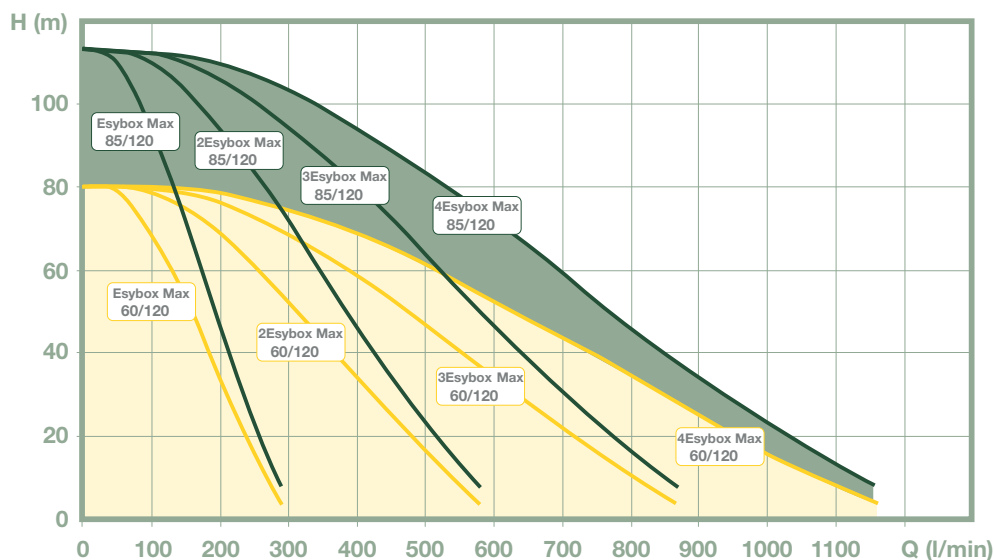
- ♦ Easy to maintain and operate remotely*
*Compatible with the DConnect service.
- ♦ Silent operation
- ♦ Compact
- ♦ Integrated inverter optimises performance and comfort which saves money
- ♦ Constructed with recycled materials wherever possible
- ♦ Water cooled permanent magnet motor

APPLICATIONS:

- ♦ Large residential households
- ♦ Farms & rural properties
- ♦ Apartments (eg. 10 floors, 20 apartments)
- ♦ Commercial & building services, eg. Hospitals, hotels & wineries

Flow rate:	Up to 290 lpm (for single unit)
Head:	113 m
Liquid temperature:	+50°C
Maximum ambient temperature:	+55°C
Maximum inlet pressure:	5 Bar
Operation pressure:	12 Bar / 1200 Kpa
Constant pressure range:	1-12 Bar (3 bar by default)
Motor protection class:	IPX5
Motor insulation class:	F
Impeller material:	Technopolymer
Single phase power input:	208-240V 50/60 Hz
Three phase power input:	380-480V 50/60 Hz
Type of installation:	Fixed In Vertical Position
Type of pumped liquid:	Clean, Free From Solid Or Abrasive Substances, Non-Viscous, Non-Aggressive, Non-Crystallised and Chemically Neutral

PERFORMANCE CURVE:



D+CONNECT

Based on state-of-the-art technology, DConnect offers many advantages than typical BMS (Building Management Systems). Performance Data storage and Remote monitoring support you to control and be sure, from anywhere, that the running parameters of the pumps follow exactly your project specification avoiding any possible trouble.



Each unit consists of the single, double or triple connection base and the pumping units. **A four pumps system is available with the additional kit to connect two double bases.**

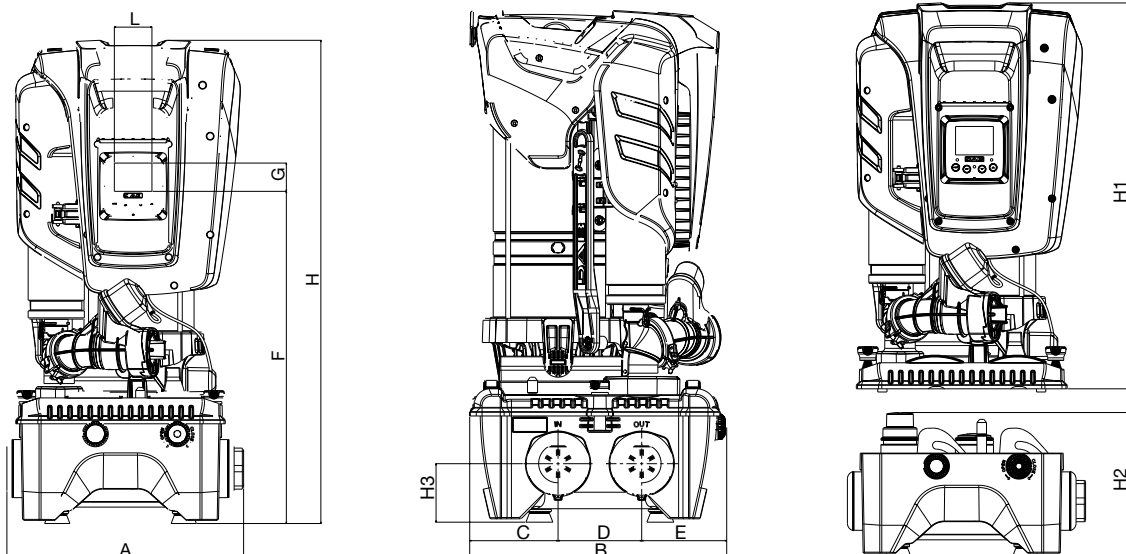
ESYBOX MAX PUMP AND DOCK KIT

Part Number	Item Code	kW (P2)	HP	Max Head (m)	Max Flow (lpm)	Inlet (BSPF)	Outlet (BSPF)	Taps	Power Cable	Volts (V)	List
DAB-1ESYBOX-MAX-60/120M	809535	2.68	3.6	80	290	1”¼ - 2”	1”¼ - 2”	29	3pin 15A	240	\$6,799
DAB-1ESYBOX-MAX-60/120T	809536	2.65	3.5	80					N/A	415	\$6,499
DAB-1ESYBOX-MAX-85/120T	809537	3.5	4.7	113							\$7,999
DAB-2ESYBOX-MAX-60/120M	809538	2 x 2.68	2 x 3.6	80	580	2”	2”	58	2 x 3pin 15A	240	\$13,499
DAB-2ESYBOX-MAX-60/120T	809539	2 x 2.65	2 x 3.5						N/A	415	\$12,999
DAB-2ESYBOX-MAX-85/120T	809540	2 x 3.5	2 x 4.7						113		
DAB-3ESYBOX-MAX-60/120M	809541	3 x 2.68	3 x 3.6	80	870			87	3 x 3pin 15A	240	\$19,999
DAB-3ESYBOX-MAX-60/120T	809542	3 x 2.65	3 x 3.5						N/A	415	\$19,499
DAB-3ESYBOX-MAX-85/120T	809543	3 x 3.5	3 x 4.7						113		
DAB-4ESYBOX-MAX-60/120M	809853	4 x 2.68	4 x 3.6	80	1160			116	4 x 3pin 15A	240	\$26,999
DAB-4ESYBOX-MAX-60/120T	809854								N/A	415	\$25,999
DAB-4ESYBOX-MAX-85/120T	809855								4 x 3.5	4 x 4.7	113

ACCESSORIES

Part Number	Item Code	Description	List
DAB-E2G5.2M	809529	Optional Electrical connection panel for 2 single phase Eskybox Max pumps complete with magnetothermic switches for powering multi-pump units. It can be installed on the wall or directly to Eskybox Max units using the dedicated pillar kit.	\$320
DAB-E2G7T	809530	Optional Electrical connection panel for 2 three phase Eskybox Max pumps complete with magnetothermic switches for powering multi-pump units. It can be installed on the wall or directly to Eskybox Max units using the dedicated pillar kit.	\$365
DAB-E3G10.5T	809531	Optional Electrical connection panel for 3 three phase Eskybox Max pumps complete with magnetothermic switches for powering multi-pump units. It can be installed on the wall or directly to Eskybox Max units using the dedicated pillar kit.	\$534
DAB-MAX KIT PILLAR	809532	Useful for mounting the control panel EG on board of the 2 or 3 Eskydock max. The pillar consists of a column, a bolt and a lower clamping bracket (all in steel).	\$398
DAB-MAX ESY I/O	809533	The electronic expansion module allows Eskybox Max to interface with the external input/output devices (eg: float switch, pressure switch, remote alarm) and with the BMS world (Building Management System).	\$1,743
DAB-ESYBOX MAX JOINT KIT	809534	Kit consisting of 2 x 3-piece unions, 2 x 2" nipples to connect the delivery and suction of 2 x Eskydocks to create a 4 unit Eskybox Max system.	\$351

DIMENSIONAL DRAWINGS (mm):



MODEL	A	B	C	D	E	F	G	H	HI	H2	H3	L	PACKING DIMENSIONS*			WEIGHT* PUMP UNIT Kg	PACKING DIMENSIONS			WEIGHT DOCK Kg
													PUMP UNIT				DOCK			
													L	W	H		L	W	H	
ESYBOX MAX 60/120	375	384	131.8	124.5	127.7	526	45	766	613	228	87	59.5	400	380	800	29	400	400	250	9
ESYBOX MAX 85/120																30				

* Weights and packaging dimensions refer to a pump unit

CATCH US IF YOU CAN...



esybox DIVER

7" ELECTRONIC MULTI-STAGE SUBMERSIBLE PUMP WITH INVERTER



Part Number	Item Code	kW	HP	Volts	Max Head (m)	Max Flow (lpm)	Power Cable (m)	List
DAB-ESYDIVER-55/120	808452	1.25	1.3	240	55	120	15	\$2,899
Accessories								
DAB-DTRON-FLOAT	808453	Float for stopping the pump						\$149
DAB-DTRON-DOC68	808454	Dock for dry mount conversion kit						\$179
DAB-DTRON-LEVEL-SENSOR	808455	Measure water left in the tank						\$129
BIA-TSHKITA	701034	Suction hose & float kit						\$110

esybox DIVER

DAB
WATER TECHNOLOGY



The new Esybox Diver variable speed submersible pump guarantees benefits for installers and end users to help save space, energy, time and money thanks to DAB's technical and technological expertise.

The Esybox Diver is a 7 inch multi-impeller electronic pump with variable frequency drive to be used for clean water applications such as wells and tanks.

The pump can be used submerged, partially submerged or out of the tank with the DOC68 accessory (supplied separately).

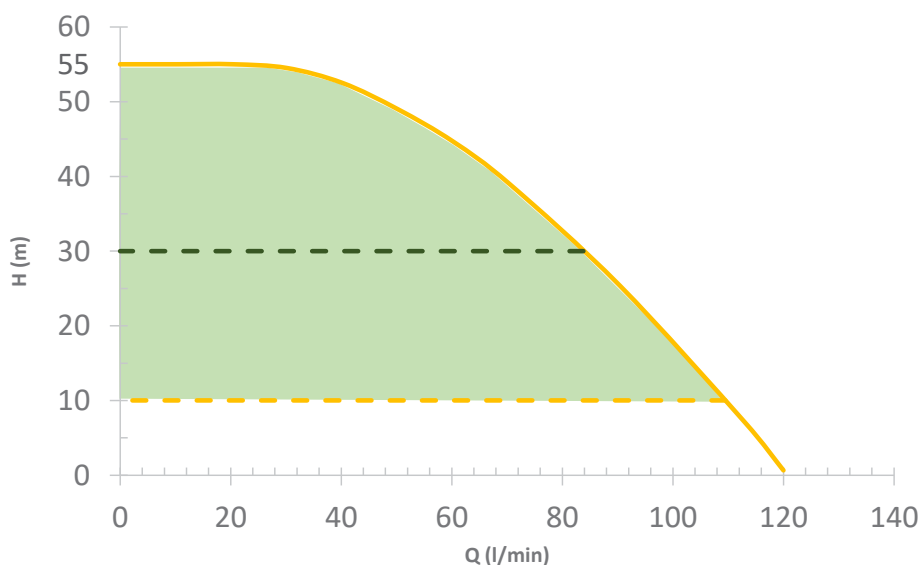
Suitable for:

- Pressurisation
- Rainwater re-use
- Gardening and irrigation activities in residential building service

Features:

- Integrated non-return valve
- Stainless steel handle for easy transport
- Adjustable suction height up to 8cm
- Connectable float (optional accessory)
- Water level sensor (optional accessory)
- NFC (Near Field Communication) pocket
- Integrated Pressure Vessel
- Wi-Fi enabled
- DConnect Box 2 so you can control the pump from your smart device

**An External Pressure Tank is recommended*



DCONNECT



The DConnect Box 2 allows access to the DAB cloud service. With the new App, you can manage and monitor the pressure of the system, the alarms and the residual availability of water in the tank directly from your smartphone or tablet, wherever you may be!

Esybox Diver is, in this way, the first submersible pump to have a display.

Subscription fees apply.



DCONNECT BOX 2

ANOTHER STEP FORWARD!



DTRON



WATER BOOSTING



RAIN WATER
REUSE



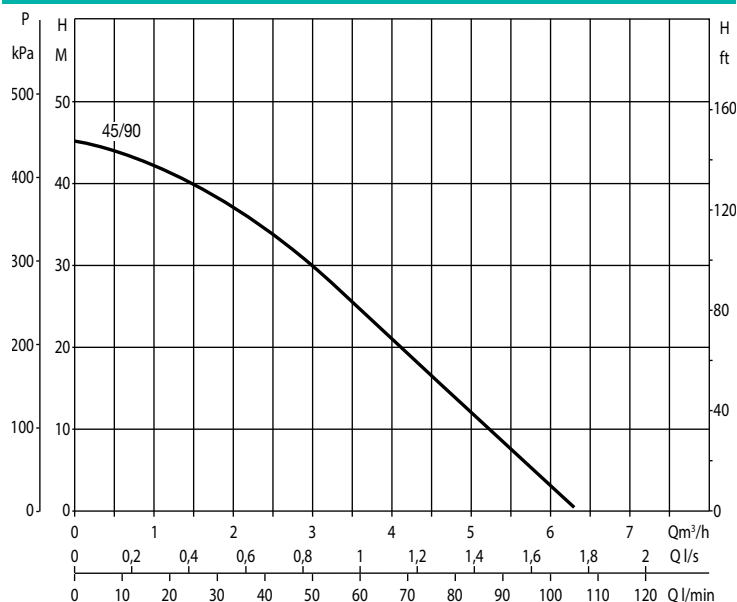
GARDENING
& IRRIGATION



GROUND WATER



PERFORMANCE CURVE:



EXPERIENCE AND INNOVATION

43 years of experience. An unstoppable drive for innovation. A constant communication with all markets. This is the ecosystem in which DAB's products are created and evolve.

The DTron series is evidence of this: **an important step towards redefining the characteristics of submersible pumps**, in the safe hands of a market leader.

DTron 2 and DTron 3 were born out of a desire to create a range of pumps that could be "easy" but also extremely efficient. Technologically advanced but easy to use.

Reliable and high performing in a variety of applications, thanks to a set of smart accessories.



WARRANTY, RATINGS & CERTIFICATIONS



Part Number	Item Code	kW	HP	Volts	Max Head (m)	Max Flow (lpm)	Power Cable (m)	List
DAB-DTRON2-45/90A	808869	0.93	0.8	240	45	105	15	\$1,199
DAB-DTRON3-45/90	808459							\$1,599
Accessories								
DAB-DTRON-FLOAT	808453	Float for stopping the pump						\$149
DAB-DTRON-DOC68	808454	Dock for dry mount conversion kit						\$179
DAB-DTRON-LEVEL-SENSOR	808455	Measure water left in the tank						\$129
DAB-DCONNECTBOX2	808456	Control that monitors the pump status through the app (DTron3 only)						\$649
BIA-TSHKITA	701034	Suction hose & float kit						\$110

DTron



The DTron 2 and DTron 3 were born out of a desire to create a range of pumps that could be “easy” but also extremely efficient.

Technologically advanced and easy to use.

Reliable and high performing in varied applications, supported by a set of smart accessories.



DTRON 2 DTRON 3

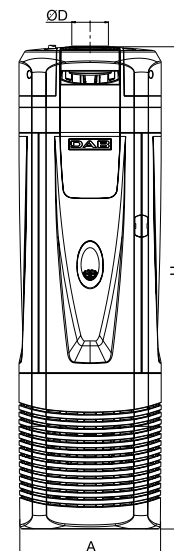
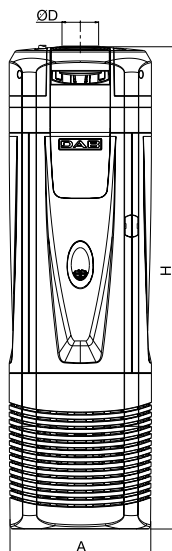
WATER PRESSURISATION			IRRIGATION
MAXIMUM NUMBER OF FLOORS	SMALL HOUSE with 1 bathroom	LARGE HOUSE with 2 bathrooms + garden	STATIC SPRINKLERS RANGE 4m Flow rate: 6 lpm in Operating pressure: 2.4 bar
	MAXIMUM NUMBER OF APARTMENTS		MAXIMUM NUMBER OF SPRINKLERS
DTRON 2	1	3	1
DTRON 3	2	2	1
45/90	3	2	1
	4	1	-
			10

* The table is indicative and based on average values. To ensure optimal sizing, perform a careful assessment of the specific system.

TECHNICAL DATA:	
MAXIMUM FLOW RATE	Up to 105 lpm
MAXIMUM HEAD	Up to 45m
P1	Up to 1kW
P2 NOMINAL	Up to 0.67kW (0.9HP)
MAXIMUM IMMERSION DEPTH	12m
MAX AMBIENT AND LIQUID TEMPERATURE:	+50°C
FACTORY CUT-IN:	2.4 bar (±0.2)
DELIVERY FLANGE OR THREAD:	Threaded from 1" ¼
PUMP MAXIMUM DIAMETER:	185 mm
DIMENSIONS:	DTron 2: 611 x 185mm DTron 3: 651 x 185mm

FEATURES:	DTRON 2	DTRON 3
Integrated expansion vessel	•	•
Kit X - suction hose	optional	optional
Float - low level cut off	•	optional
Water level measurement (DCONNECT BOX 2 required)	N/A	optional
DOC68	optional	optional
Com Box	N/A	•
DCONNECT BOX 2 (upgrade option)	N/A	optional
IP68	•	•
Carry handle	•	•
Resistance to high and low temperatures	•	•
Certified for drinking water	•	•

DIMENSIONAL DRAWINGS (mm):



MODEL	A	H	PACKING DIMENSIONS			WEIGHT Kg
			L	W	H	
DAB-DTRON2 45/90A	185	611	740	230	300	11.4

MODEL	A	H	PACKING DIMENSIONS			WEIGHT Kg
			L	W	H	
DAB-DTRON3 45/90	185	651	780	230	300	11.6



FEATURES & ACCESSORIES

DTron
Esybox DIVER**DOC68****Maximum flexibility of installation.**

Ingress protection of IP68 means Esybox Diver and DTron can be installed on the DOC68 out of the water and used as a traditional flooded suction booster pump.

**FLOAT**

Prevents dry running when the water level is too low. Optional for Esybox Diver and DTron 3. Included on DTron 2

**WATER LEVEL SENSOR**

Connected to the DConnect Box 2, the sensor notifies the user of the water level via an App (only for DTron 3 & Esybox Diver).



D CONNECT



The DConnect Box 2 allows access to the DAB cloud service. With the new App, you can manage and monitor the pressure of the system, the alarms and the level of water in the tank directly from your smartphone or tablet, wherever you may be! Subscription fees apply.



DCONNECT BOX 2





INTEGRATED VESSEL

Provides protection against water hammer and extends the life of the pump. For systems prone to leaks an external pressure tank is recommended.



BLEED VALVE

The bleed valve allows immediate priming upon initial installation and guarantees correct operation of the pump at all times.



SIMPLER MAINTENANCE

Modular and functional construction.

The pump construction makes maintenance easy. Parts can be removed, repaired and replaced separately reducing costs and simplifying resolving issues.



COM BOX

The Com Box allows you to change the pump's pressure settings and view any alarms. No direct connections with the pump PLC (Power Line Communication) are required. **Only for DTron 3**



NFC AND PLC TECHNOLOGIES

Simple and constant control of the pump. Maximum ease and autonomy of installation of the accessories.

NFC (Near Field Communication) permits use of pumps with float switch and water level sensor without the need for any additional wiring.

PLC (Power Line Communication) permits use of the Com Box electronic control device not through any physical connection but via the power input line.

FEATURES & BENEFITS ESYBOX & ESYBOX MINI³



OPTIMAL ENERGY USE

Inverter technology allows the Esybox & Mini³ to find the best operating point of the pump, saving energy and money



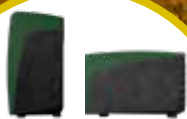
EASY TO READ DISPLAY

A 70 X 40mm LCD display allows for easy customisation of settings



IMPROVED MOTOR FUNCTION

Now water cooled, the motor is even quieter with the elimination of traditional cooling fans



FLEXIBLE INSTALLATION

Horizontal, vertical or wall mounted, Esybox can be installed anywhere inside the home



NON-RETURN VALVE AT THE DELIVERY

Used in both horizontal and vertical installations, it can be easily removed to support easy maintenance



EASY ACCESS TO MAINTENANCE POINTS

Remove the enclosure door to access air pressure tank and non-return valves easily



EXPANSION VESSEL

A 2L capacity (Esybox) & 1L capacity (Mini³) air pressure tank that is guaranteed for 5 years & drinking water certified



ANTI-VIBRATION FEET

Moulded to absorb vibration and noise from the Esybox & Mini³, making them quieter than ever



FLOW AND PRESSURE SENSORS

Seamlessly integrated electronic pressure transducer & flow sensor at the delivery



EXTERNAL CONNECTIONS

Select optimised system inlets and outlets based on the installation

DAB
WATER • TECHNOLOGY
esybox

View the Esybox
Promotional Video
on youtube:



esybox mini³

Esybox Mini³ is the DAB compact automatic pressurisation system for the water supply of a single dwelling. Esybox 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 in domestic systems with drinking water and in gardening applications. Esybox Mini³ does not require any additional components for its installation.



Now with 3 impellers for better performance and lower speed motor for quieter performance down to 45 dB

Operating Conditions

Maximum System Pressure	7.5 Bar (750 kPa)
Maximum Operating Pressure	5.5 Bar (550 kPa)
Liquid Temperature	0° to + 40° C
Maximum Ambient Temperature	+50° C

Electrical Data

Voltage	240 V
Protection Level	IP X4
Insulation Class	F

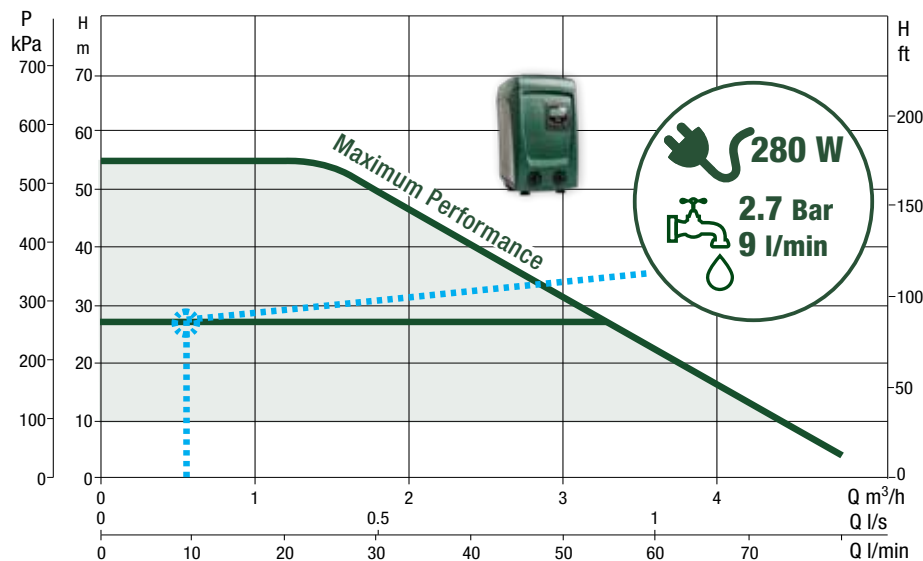
Construction

Materials	<ul style="list-style-type: none"> • Composite outer casing • Stainless steel shaft • Technopolymer impeller and diffusers
-----------	---



ANTI-FREEZE PROTECTION

Performance and Energy Saving Curve:



Part Number	Item Code	P1	1 ph In	Water Temp	Connections		Weight	Dimensions			Taps*	List
		kW	A	°C	Inlet	Outlet	kg	W	D	H		
								mm				
DAB-ESYBOXMINI3	805406	0.85	4.8	40	1" BSPF	1" BSPF	14.6	236	263	439	8	\$1,499

*Taps calculated at 10 L/m



esybox

Leading the way in electronic pump technology, the Esybox is a solution in domestic water supply. It is ideal for water pressure boosting in domestic and light commercial applications.

The Esybox is a revolutionary and innovative all-in-one pump solution comprising of:

- A self-priming multi-stage pump
- Variable frequency drive
- Electronics for control and management
- Pressure and flow sensors
- High-resolution LCD display
- 2 Litre integrated expansion vessel
- Flexible installation - can be installed horizontally or vertically



HANDY TIP

Get the DAB-ESYDOCK to dock and un-dock the ESYBOX in seconds for easy maintenance



Operating Conditions

Maximum System Pressure	Max. 8 bar (800 kPa)
Maximum Operating Pressure	6 Bar (600 kPa)
Liquid Temperature	0°C to +40°C
Maximum Ambient Temperature	+50°C

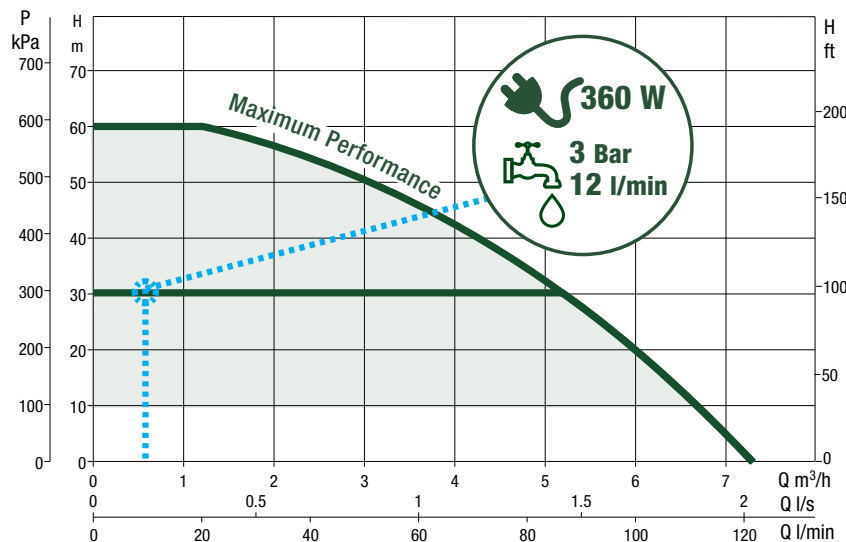
Electrical Data

Voltage	1 x 240V, 50 - 60 Hz
Protection Level	IP X4
Insulation Class	F

Construction

Materials	<ul style="list-style-type: none"> • Composite outer casing • Stainless steel shaft • Technopolymer impeller and diffusers
-----------	---

Performance and Energy Saving Curve:



Part Number	Item Code	P2	1 ph In	Water Temp	Connections		Weight	Dimensions			Taps*	List
		kW	A	°C	Inlet	Outlet	kg	W	D	H		
								mm				
DAB-ESYBOX	800621	1.55	10	0/40	1" BSPF	1" BSPF	27	263	362	564	12	\$2,499

*Taps calculated at 10 L/m

KIT ESyTWIN



DAB-KITESYTWIN
805158

Kit Esytwin is the evolution of Esybox, creating a connection between two pumps.

A better, longer life

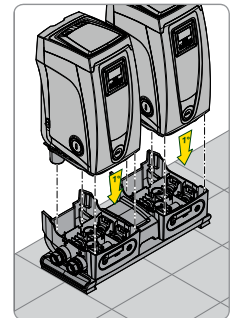
- Kit Esytwin ensures constant water supply thanks to the backup function.
- The new software algorithms constantly analyses the operation of the system, thus optimizing alternating use of the two units.

More power, less space

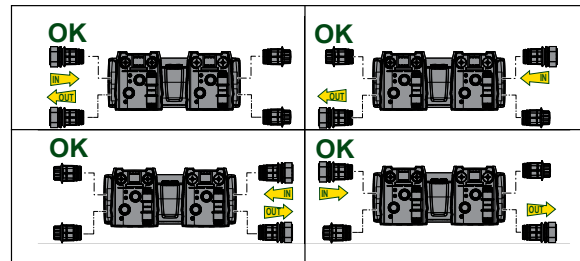
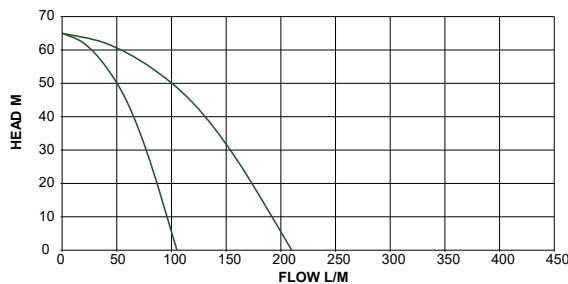
- Kit Esytwin offers exceptional performance thanks to combined operation with a 50% reduction in size compared to traditional units.

Everything you need

- The wireless interface handles communication between the two units
- Ensures hydraulic connection without the need for additional components for installation and operation
- Group operation visible on every display
- 1 1/4" suction and delivery fittings
- 752L x 358D x 730H
- Kit Esytwin comprises 2 x Esybox & 1 x Esytwin for assembly on site



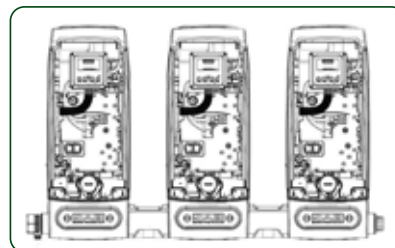
Rapid pump
changeover and set
up with Esytwin
for servicing.



KIT ESyTRIPLE



DAB-KITESYTRIPLE
805170



Kit Esytriple is the evolution of Kit Esytwin, creating a connection between three pumps.

A better, longer life

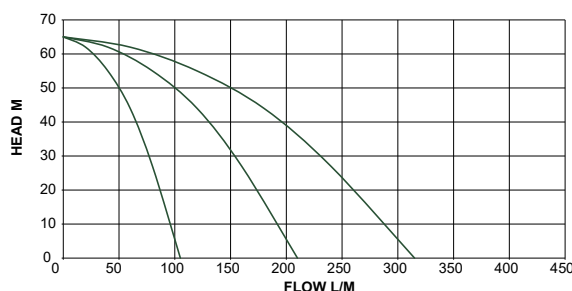
- Kit Esytriple ensures constant water supply thanks to the backup function.
- The new software algorithms constantly analyses the operation of the system, thus optimizing alternating use of the three units.

More power, less space

- Kit Esytriple 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 the need for additional components for installation and operation
- Group operation visible on every display
- 1 1/4" suction and delivery fittings
- 1150L x 352D x 679H
- Kit Esytriple comprises 3 x Esybox, 3 x Esydock & 2 x SP00001238 manifolds for assembly on site

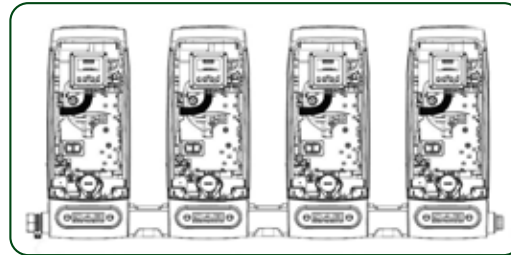




KIT ESyQUAD



DAB-KITESYQUAD
805159



Kit Esyquad is the evolution of Kit Esytwin, creating a connection between four pumps.

A better, longer life

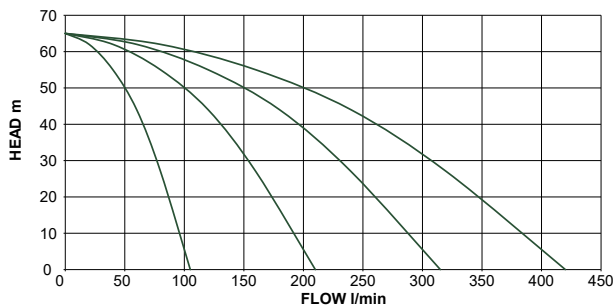
- Kit Esyquad ensures constant water supply thanks to the backup function
- The new software algorithms constantly analyses the operation of the system, thus optimizing alternating use of the four units.

More power, less space

- Kit Esyquad 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 four units
- Ensures hydraulic connection without the need for additional components for installation and operation
- Group operation visible on every display
- 1 1/4" suction and delivery fittings
- 1500L x 358D x 730H
- Kit Esyquad comprises 4 x Esybox, 2 x Esytwin & 1 x SP00001238 manifold for assembly on site



ESYDOCK

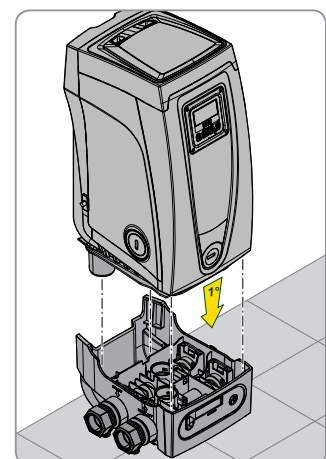
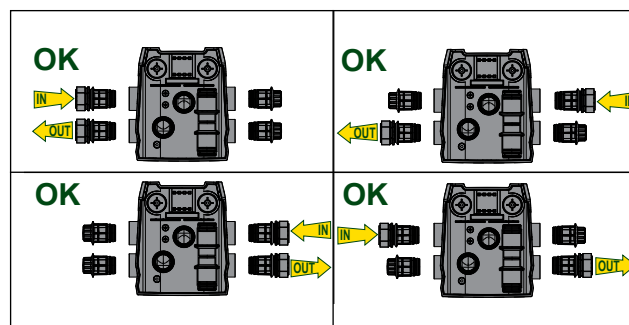


DAB-ESYDOCK
801120

*Esybox pump not included

Esydock docking station makes installation rapid, easy and flexible.

- 4 plumbing configuration options
- Complete with all components required for connection
- Rapid disconnect function for easy maintenance
- Incorporates anti-vibration feet
- 1 1/4" suction and delivery fittings
- 293L x 318D x 180H Esydock
- 293L x 352D x 679H with e.sybox installed



Rapid pump
changeover and set
up with Esydock for
servicing.

E.SYLINE MULTI PUMP & E.SYTANK OPTIONS



Part Number	Item Code	Description	List
1 DAB-KITESYTWIN*	805158	Kit comprising 2 x Esybox, 1 x E.sytwin for heads to 61m, flows to 210L/m. Can be set up as duty assist or duty standby.	\$5,599
2 DAB-KITESYTRIPLE*	805170	Kit comprising 3 x Esybox, 3 x E.sydock, 2 x manifolds for heads to 61m, flows to 315L/m. Can be set up as duty assist, duty standby or a mixture of both.	\$8,749
3 DAB-KITESYQUAD*	805159	Kit comprising 4 x Esybox, 2 x E.sytwin, 1 x manifold for heads to 61m, flows to 420L/m. Can be set up as duty assist, duty standby or a mixture of both.	\$11,299
4 DAB-ESYTANK	805121	E.sytank is designed as a break tank between mains and Esybox. It has a net capacity of 480 litres and is suitable for drinking water. It has a valve for filling from the mains with a float and an overflow system. The tank is complete with an E.sydock, a suction pipe with footvalve and a delivery pipe. Pump sold separately	\$2,499

*Esyline kits are not shipped assembled

1



2












3



4



ACCESSORIES

Part Number	Item Code	Description	List	Image
DAB-ESYDOCK	801120	Docking station for Esybox. The Esydock is a robust docking station complete with inlet and outlet connections plus instructions. NOT SUITABLE FOR ESYBOX MINI³	\$429	
DAB-ESYTWIN	801121	Twin docking station for Esybox. The Esytwin is a robust twin pump docking station complete with inlet and outlet connections plus instructions. It allows two Esybox pumps to be set up as duty/assist or duty/standby and is ideal for larger residential or light commercial installations. NOT SUITABLE FOR ESYBOX MINI³	\$799	
DAB-ESYWALL	801122	Wall mounting bracket for Esybox. The Esywall is a fitting kit that allows the Esybox and Esybox Mini ³ pumps to be mounted directly to a wall and is supplied with instructions.	\$149	
DAB-ESYLINK-KIT	802435	Wireless connection for Esybox. One Esylink will communicate with a group of Esybox pumps. Easily upgradeable via a computer. Enclosure supplied. LED for status indication and alarms. Includes Esylink, USB cable, electrical box 8DIN, power supply and 3 cable gland. NOT SUITABLE FOR ESYBOX MINI³	\$699	
DAB-ESYTANKCOUPLING	805781	For connecting two Esytank's	\$249	
DAB-SSP00000630	805091	Brass Unions for Esybox and Esybox Mini ³ Kit	\$99	
DAB-ESYCOVER-ESYBOX	808029	Suits the Esybox	\$199	
DAB-ESYCOVER-ESYBOXMINI	808030	Suits the Esybox Mini ³	\$199	
DAB-ESYLINEPUMPCOVER	807945	A new very strong pump cover that suits Esybox Mini ³ installed horizontally or vertically and Esybox installed vertically. Colour: Rivergum - Wilderness	\$179	



ELECTRONIC PRESSURE SYSTEMS

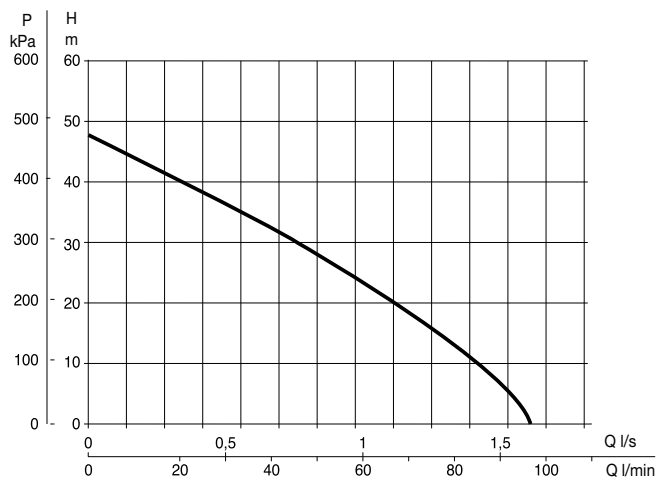
Submersible Pressure Pump

Ideal pump for tank installations. Simple to install, quiet and dependable.

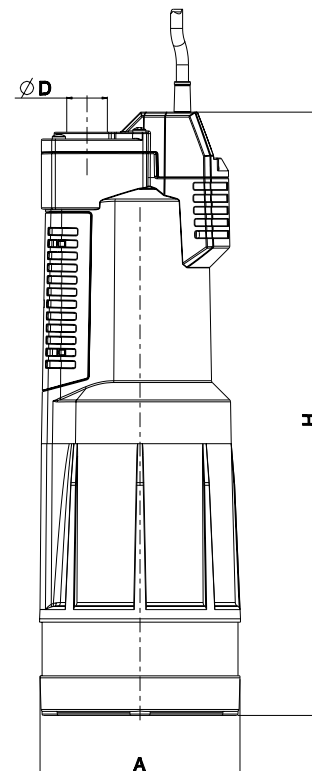
- Incorporates an electronic automatic restart pump control with dry run protection
- Fully automatic operation
- In-built non-return valve and flow sensor
- Supplied wired and ready to install
- Quiet operation
- Simple installation
- Ideal for dense urban areas
- Does not require external pump control
- 240V single phase motor with in-built auto reset thermal overload
- 15m power cable



PERFORMANCE CURVE:



DIMENSIONAL DRAWING (mm):



MODEL	A	Ø D	H	PACKING DIMENSIONS			WEIGHT Kg
				L	W	H	
DAB-DIVERTRON1200	150	1" BSPF	480	230	190	500	11



Part Number	Item Code	kW	HP	Volts	Max Head (m)	Max Flow (lpm)	Power Cable (m)	Ports	List
DAB-DIVERTRON1200	701505	0.75	1.0	240	48	95	15	1" BSPF Out	\$970

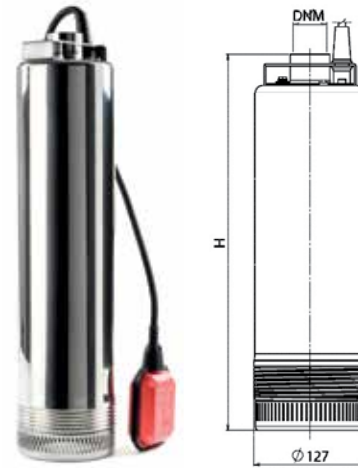
DAB MULTI-STAGE PUMPS

Tesla Diver Pumps

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

Features:

- 304 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



**TECHNOPOLYMER
WETEND**

CONTROLLER RECOMMENDATIONS:



nXt Pro Controller

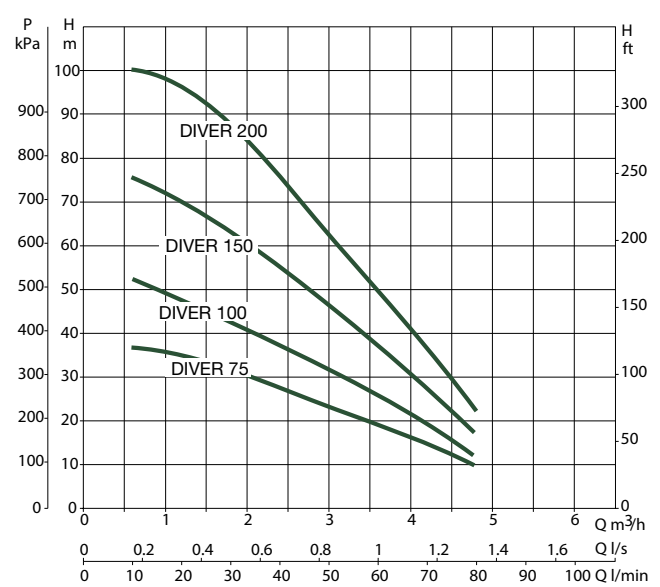
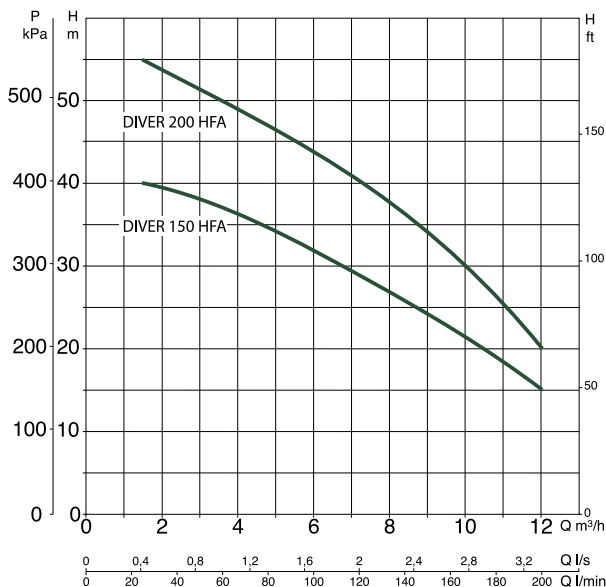


Active Driver Plus

DIMENSIONAL DRAWINGS (mm):

MODEL	Ø (Dia)	H	PACKING DIMENSIONS			WEIGHT Kg
			L	W	H	
TES-DIVER75MA	127	427	625	230	170	10
TES-DIVER100MA		482				11.7
TES-DIVER150MA		550				13.1
TES-DIVER150MHFA		523				13
TES-DIVER200M		648	710	220	160	15.8
TES-DIVER200MHF		608				15.5
TES-DIVER200MA		648				15.8
TES-DIVER200MHFA		608				15.5

PERFORMANCE CURVES:



Part Number	Item Code	kW	HP	Max Head (m)	Max Flow (lpm)	Taps*	Includes Control Box	Includes Float Switch	Ports	Volts	List				
TES-DIVER75MA	709862	0.55	0.7	36	80	8	Yes	Yes	1¼" BSPF Out	240	\$1,749				
TES-DIVER100MA	709845	0.75	1.0	52							\$1,899				
TES-DIVER150MA	709851	1.1	1.5	76							\$2,149				
TES-DIVER150MHFA	709854			40	200	20					\$2,349				
TES-DIVER200M	709858	1.5	2.0	100	80	8		No			\$2,449				
TES-DIVER200MHF	709859			55	200	20					\$2,601				
TES-DIVER200MA	803159			100	80	8		Yes			\$2,549				
TES-DIVER200MHFA	803160			55	200	20					\$2,849				
SPARE CABLES											List				
TES-CABLE100MG	709834	10m cable with float									\$319				
TES-CABLE100MG20M	709835	20m cable with float									\$369				

The Bianco iCON nXt controllers are tested in Australia to ensure operation in the toughest of environments, combining innovative technology with robust proven architecture to guarantee constant supply of pressurised water when and where you need it the most. Ideal for pumps supplying clean, non-volatile liquids without fibers or solids in applications such as:



SINGLE MODE ELECTRONIC PUMP CONTROLLER

- Monitors both pressure and flow to control the operation of the pump automatically.
- Protects the pump should the water supply fail (water tank running dry) and will automatically restart operation once water is restored.
- Protects the pump from seizing through lack of use, or frequent starts where there is a water leak.
- LED display that displays real time system pressure and can display indication of flow and any warnings.
- IEC plug and play lead for pump. AX version with round 3 pin socket for pump.



DUAL MODE ELECTRONIC PUMP CONTROLLER

- Monitors both pressure and flow to control the operation of the pump automatically.
- Protects the pump should the water supply fail (water tank running dry) and will automatically restart operation once water is restored.
- Protect the pump from seizing through lack of use, or frequent starts where there is a water leak.
- **In MODE 1 the starting pressure can be adjusted and in MODE 2 both the starting and stopping pressures can be adjusted to fine tune the installation. A pressure tank is required for MODE 2.**
- LED display that displays real time system pressure and can display indication of flow and any warnings.
- IEC plug and play lead for pump. AX version with round 3 pin socket for pump.

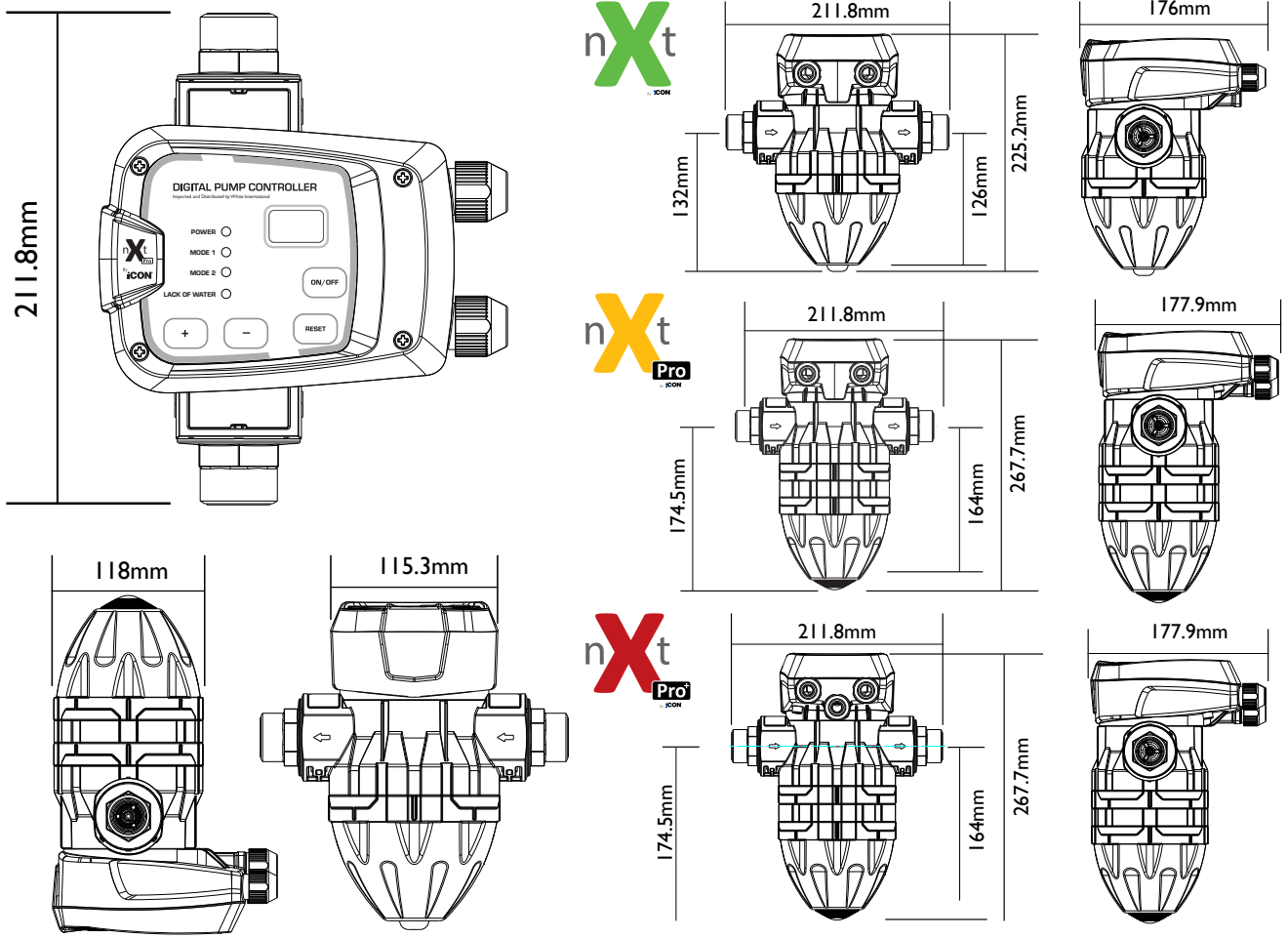


TRI MODE ELECTRONIC DUAL PUMP CONTROLLER

- Monitors both pressure and flow to control the operation of one or two pumps automatically.
- Protects the pump/s should the water supply fail (water tank running dry) and will automatically restart operation once water is restored. It will also protect the pump/s from seizing through lack of use, or frequent starts where there is a water leak.
- **In MODE 1 the starting pressure can be adjusted and in MODE 2 both the starting and stopping pressures can be adjusted and in MODE 3 it will control two pumps in a duty/assist configuration with independent starting and stopping pressures.**
- **In MODE 1 and 2 it is possible to connect two pumps and they will operate as duty/standby with the same starting or starting and stopping pressures. A pressure tank is required for MODE 2 and MODE 3.**
- LED display that displays real time system pressure and can display indication of flow and any warnings.

Part Number	Item Code	Modes	Rated Power (W)	A max	IP Rating	kW	Cable to Pump	Union Size	Start Pressure	Stop Pressure	List
BIA-NXT	808034	Single	1500	10	IP65	1.5	Plug & play	1"	2.2 bar	On no flow	\$185
BIA-NXTPRO	808035	Dual	2200	16		2.2	Plug & play	1"	Adjustable	Adjustable	\$240
BIA-NXTPROPLUS	808036	Triple					Hardwired (No Cable)	(1 ¼" sold separately)			\$299
Accessories											
BIA-NXTUNION32	808431	1¼" union set									\$35
BIA-NXTTANK	808432	Pressure tank to suit nXt Pro and nXt Pro Plus models. 0.3L									\$30
BIA-AXADAPTOR	808675	IEC AX adaptor for NXT									\$20

DIMENSIONAL DRAWINGS (mm):



Innovative flow sensor/
non return poppet.
Easy to clean or replace.

Push and Connect
tool-less swivel fittings

1" port standard for
all models.
For flows up to 150 lpm
1 1/4" unions available
nXt Pro & Pro Plus models
For flows up to 350 lpm

Digital display of running
conditions.
Easy programming with
full button-press menu.

Removeable tank
on nXt Pro and
nXt Pro Plus models

**No limits. Mount in
any direction.**



CERTIFICATIONS & WARRANTY



Patent Pending: 2019901734
Registered Design: 201912797

DEPENDABLE & DURABLE WATER PUMPS

Quality & Innovation
Engineering & Design
Performance & Reliability



SURFACE MOUNTED PRESSURE SYSTEMS

Bianco Stainless Steel Jet Pump with Electronic Pump Controller

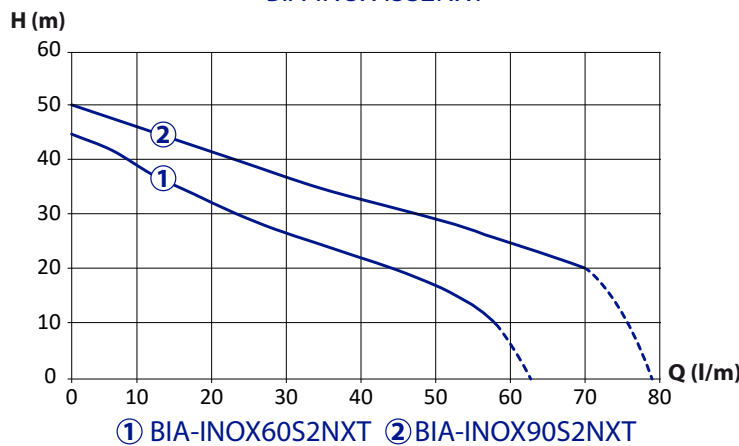
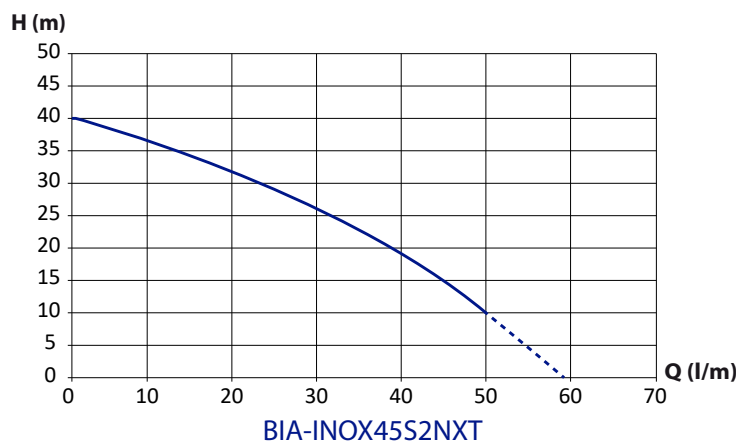
The pump is a self-priming surface mounted pressure system and has a suction capability of up to 8m. Used for supplying water to domestic installations and applications where a suction lift is required.

Features:

- The new nXt intelligent electronic pump control is fitted and wired to the pump with plug and play leads for automatic starting, stopping and restarting after power loss or water loss
- Run dry protection to prevent pump damage
- The nXt controller has an in-built check valve to prevent water back-flow through the pump
- Corrosion resistant pump body, diffuser and impeller to ensure pump durability
- 240V single phase TEFC motor with in-built auto reset thermal overload to prevent pump from damage
- A pressure tank is recommended



PERFORMANCE CURVES:



Part Number	Item Code	kW	hp	Volts	Max Head (m)	Max Flow (lpm)	Taps*	Ports	Start Pressure	List
BIA-INOX45S2NXT	808393	0.45	0.6	240	40	58	5	1" BSPF In 1" BSPM Out	2.2	\$430
BIA-INOX60S2NXT	808394	0.6	0.8		45	62	6			\$499
BIA-INOX90S2NXT	808395	0.75	1.0		50	78	7			\$599

*Taps calculated at 10 L/m





SURFACE MOUNTED PRESSURE SYSTEMS

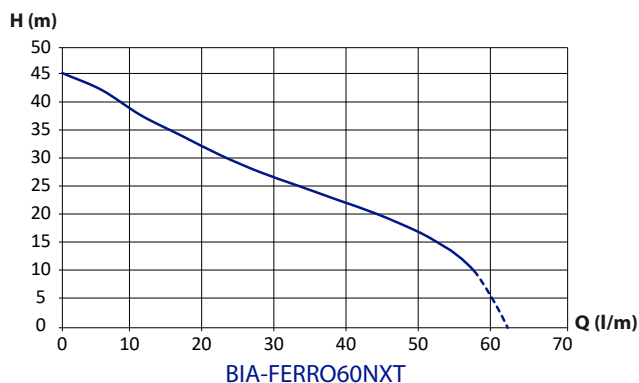
Bianco Cast Iron Jet Pump with Electronic Pump Controller

The pump is a self-priming surface mounted pressure system supplied with plug and play leads (IEC type) wired and ready to install. The self-priming ability provides excellent suction capacity of up to 9m.

Features:

- Run dry protection to prevent pump damage
- Cataphoresis¹ treatment of pump body for rust prevention to ensure no water dis-coloration or suspended particles
- High quality mechanical shaft seal and high quality bearings
- 240V single phase TEFC motor with in-built auto reset thermal overload to prevent the pump from overheating
- A pressure tank is recommended

PERFORMANCE CURVES:


**BIANCO
PUMPZ**

 BIANCO
2
3 YEAR PUMP WARRANTY

 Approved for
Drinking Water
AS/NZ 4020

 nXt
ICON
CONTROLLER
INCLUDED

Part Number	Item Code	kW	hp	Volts	Max Head (m)	Max Flow (lpm)	Taps*	Ports	Bar Controller	List
BIA-FERRO60NXT	808397	0.6	0.8	240	45	63	4	1" BSPF In 1" BSPM Out	2.2	\$519

*Taps calculated at 10 L/m

¹Cataphoresis is an electrochemical coating process for metallic surfaces widely used in the industry due to its penetration and long-life, either as a priming coat or finished paint for corrosion resistance.

SURFACE MOUNTED PERIPHERAL TURBINE PUMPS

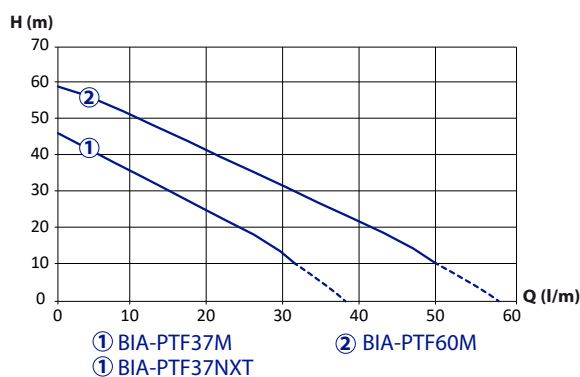
Cast Iron Pumps

The Bianco Pumpz end suction peripheral turbine pump is ideal for low flow applications. Cast iron with cataphoresis¹ coating and stainless steel impeller

Applications:

- Jacking pumps
- Commercial and industrial washdowns
- Domestic gardening
- Tank water transfer
- Clean water in applications where there is flooded suction

PERFORMANCE CURVES:


BIA-PTF37NXT
**BIANCO
PUMPZ**

 BIANCO
2
3 YEAR PUMP WARRANTY

 nXt
ICON
CONTROLLER
INCLUDED

Part Number	Item Code	kW	hp	Volts	Max Head (m)	Max Flow (lpm)	Ports	List
BIA-PTF37M	802788	0.37	0.5	240	45	37	1" BSPF In, 1" BSPF Out	\$329
BIA-PTF37NXT	808396	0.37	0.5		45	37	1" BSPF In, 1" BSPM Out	\$419
BIA-PTF60M	802790	0.6	0.8		58	58	1" BSPF In, 1" BSPF Out	\$449

¹Cataphoresis is an electrochemical coating process for metallic surfaces widely used in the industry due to its penetration and long-life, either as a priming coat or finished paint for corrosion resistance.

SURFACE MOUNTED PRESSURE SYSTEMS

Horizontal Multistage Pressure Systems

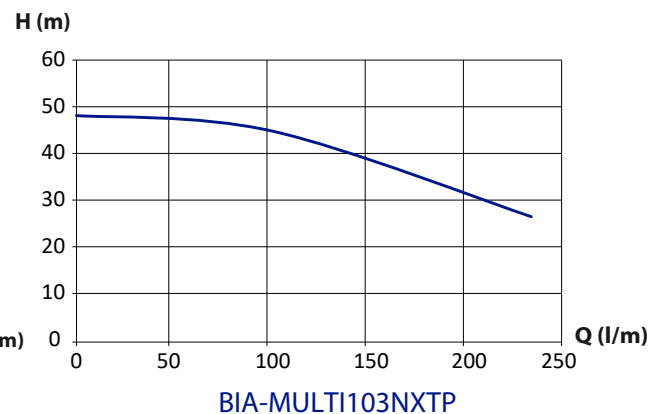
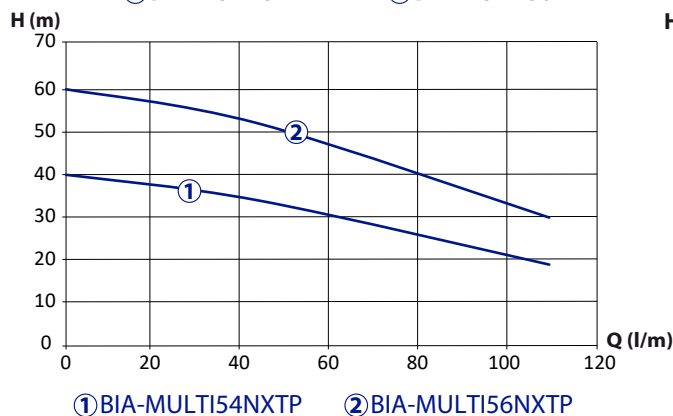
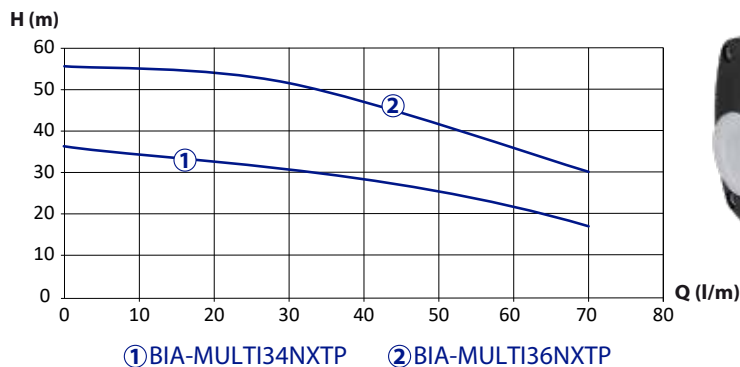
Ideal for domestic water supply for homes of all sizes, irrigation, car washing and general water transfer systems, these Bianco Pumpz horizontal multi-stage pressure systems are corrosion resistant with robust stainless steel construction.

Features:

- The new nXt Pro intelligent electronic pump control is fitted and wired to the pump with plug and play leads for automatic starting, stopping and restarting after power loss or water loss
- The nXt Pro controller has an in-built check valve to prevent water back-flow through the pump
- In MODE 1 the starting pressure can be adjusted and in MODE 2 both the starting and stopping pressures can be adjusted to fine tune the installation. A pressure tank is required for MODE 2.
- Corrosion resistant pump body, diffuser and impeller
- Mechanical shaft seal
- Comes complete with plug and play leads
- 240V single phase TEFC motor with in-built auto reset thermal overload
- A pressure vessel must be used in Mode 2
- Two operating modes: Mode 1 & Mode 2



PERFORMANCE CURVES:



Part Number	Item Code	kW	hp	Volts	Max Head (m)	Max Flow (lpm)	Taps*	Connections Inlet x Outlet	Start Pressure	List
BIA-MULTI34NXTP	808398	0.55	0.75	240	37	70	7	1" BSPF x 1" BSPM	2.2	\$719
BIA-MULTI36NXTP	808399	0.75	1.0		55					\$799
BIA-MULTI54NXTP	808400				40	108	10	1-1/4" BSPF x 1" BSPM		\$849
BIA-MULTI56NXTP	808401	1.3	1.75		60					\$949
BIA-MULTI103NXTP	808402	2.2	3		49	233	23	1-1/2" BSPF x 1-1/4" BSPM		\$1,049

*Taps calculated at 10 L/m



SUBMERSIBLE PRESSURE SYSTEM

Bianco Submersible Pump with Electronic Controller

Submersible pump with externally mounted electronic controller (WHI-SK13BA) creates a neat installation and a very quiet pressure system for domestic applications.

Applications:

- Domestic pressure systems (with optional Press Control)
- Pumping clean and pre-treated water

Features:

- Glass filled nylon pump body and Stainless Steel cover for strength and lightness.
- Easy grip, nylon carry handle
- Triple seal system: dual mechanical seal (carbon ceramic) in oil bath and Oil Seal
- 3 Stage High Head pump with durable Noryl impellers
- Elevated (88mm) suction intake with algae-proof slotted strainer
- 10m Power lead and automatic Float Switch
- All cables to H07RNF standard
- Built in auto-resetting thermal overloads

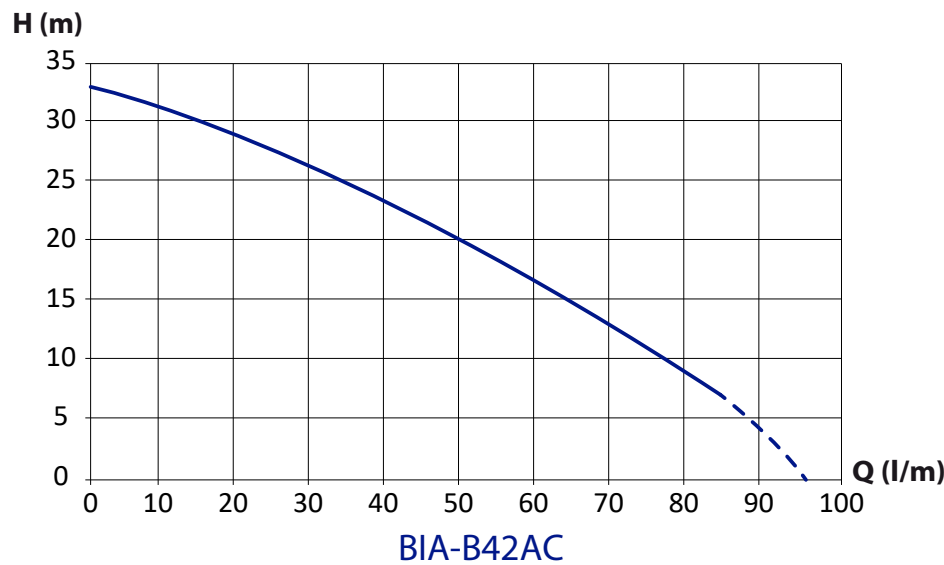
Benefits:

- Adjustable cut-in pressure between 1.5 to 3 bar
- Strainer design improves water flow and prevents blockage from algae growth
- Elevated intake draws oxygenated water from higher in tank and avoids sludge layer
- Leads to improved water quality with lower algae and anaerobic matter for better smelling water and cleaner clothes washing
- Quality pump materials assist with longer pump life while still being light to lift and lowered
- Low energy usage



EQUIVALENT
REPLACEMENT FOR
D42AB

PERFORMANCE CURVE:



Part Number	Item Code	kW	HP	Volts	Max Head (m)	Max Flow (lpm)	Ports	Max. Solid Size (mm)	List
BIA-B42ACMPCX	805663	0.55	0.75	240	32	95	1" BSPF Out	3	\$899

ELECTRONIC PRESSURE SYSTEMS

DAB Stainless Steel Surface Mounted Horizontal Multistage Pumps

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

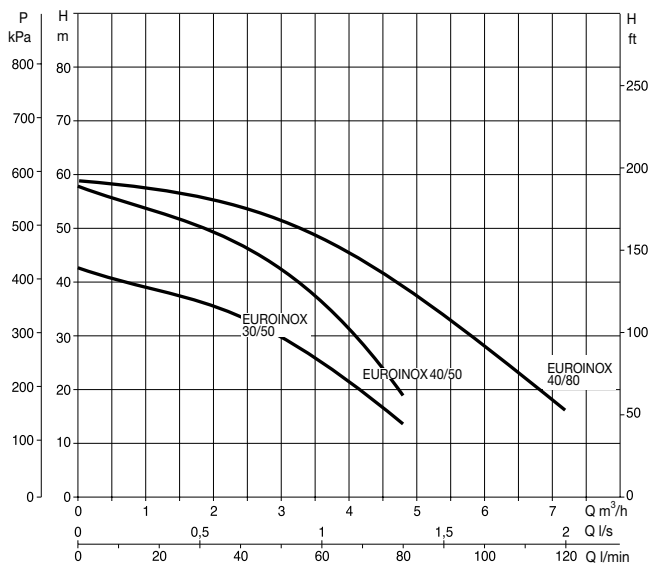
- The new nXt Pro intelligent electronic pump control is fitted and wired to the pump with plug and play leads for automatic starting, stopping and restarting after power loss or water loss
- The nXt Pro controller has an in-built check valve to prevent water back-flow through the pump
- In MODE 1 the starting pressure can be adjusted and in MODE 2 both the starting and stopping pressures can be adjusted to fine tune the installation. A pressure tank is required for MODE 2.
- Stainless Steel pump casing resists corrosion and water borne bacteria
- 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
- Emits less noise (when compared to jet pumps), making them ideal for high density urban applications
- A pressure vessel is recommended



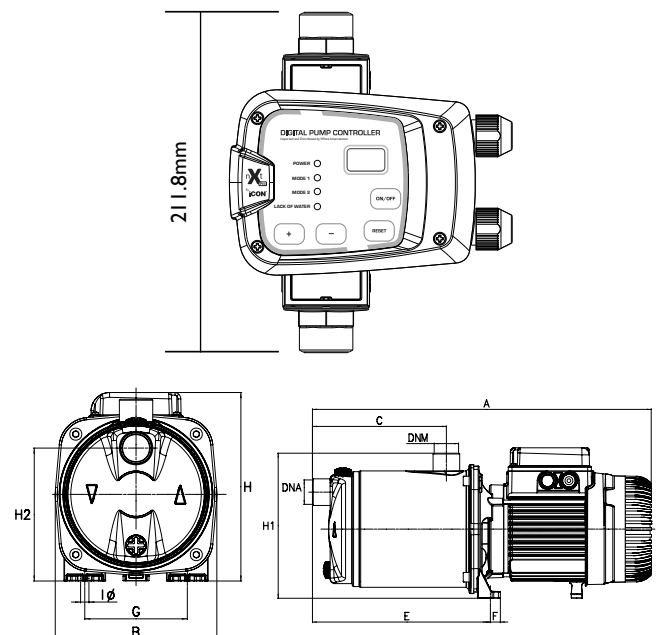
Part Number	Item Code	kW	HP	Volts	Max Head (m)	Max Flow (lpm)	Taps*	Ports	List
DAB-EUROINOX30/50NXT	808421	0.55	0.75	240	42.2	80	8	1" BSPF In 1" BSPM Out	\$1,349
DAB-EUROINOX40/50NXT	808422	0.8	1.1		57.7	80			\$1,499
DAB-EUROINOX40/80NXT	808423	1.0	1.36		59	120	12		\$1,549

*Taps calculated at 10 L/m

PERFORMANCE CURVE:



DIMENSIONAL DRAWINGS (mm):



MODEL	A	B	C	E	F	G	I Ø	H	H1	H2	DNA GAS	DNM GAS	PACKING DIMENSIONS			GROSS WEIGHT KG
													L	W	H	
EUROINOX30/50	384	174	108	186	13.5	111	9	193	196	143	1"	1"	440	206	245	10.7
EUROINOX40/50	458		166	241				203					480	212	265	14.8
EUROINOX40/80																15.5



SURFACE MOUNTED PRESSURE SYSTEMS

DAB Self Priming Jet Pumps with Electronic Pump Controller

Suitable for water supply applications with suction wells and boosting of domestic systems, agricultural and gardening applications.

- Designed for domestic household pressure systems
- Electronic pump control with dry run protection and automatic restart
- A pressure tank is recommended (mode 1),
A pressure vessel must be used (mode 2).
This relates to JETCOMNXT & JINOXNXT



OR



JETCOM NXT
(TECHNOPOLYMER)



JETCOM NXT
(TECHNOPOLYMER)



JET NXT
(CAST IRON)



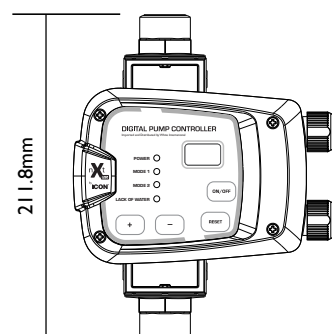
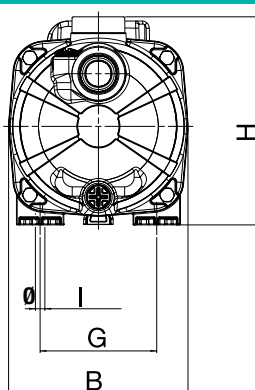
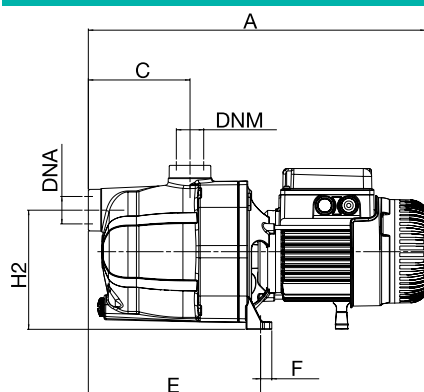
JINOX NXT
(STAINLESS STEEL)



Part Number	Item Code	kW	HP	Max Head (m)	Max Flow (lpm)	Taps*	List
Technopolymer (NXT PRO ADJUSTABLE CONTROLLER)							
DAB-JETCOM102NXT	808412	0.75	1.0	53.8	60	6	\$699
DAB-JETCOM132NXT	808413	1.0	1.36	48	80	8	\$749
Technopolymer (NXT CONTROLLER)							
DAB-JETCOM62NXT	808408	0.44	0.6	42	45	4	\$549
DAB-JETCOM82NXT	808409	0.6	0.8	47	60	6	\$579
DAB-JETCOM102NXT	808410	0.75	1.0	53.8			\$669
DAB-JETCOM132NXT	808411	1.0	1.36	48	80	8	\$699
Cast Iron (NXT CONTROLLER)							
DAB-102NXT	808414	0.75	1.0	53.8	60	6	\$979
DAB-132NXT	808415	1.0	1.36	48	80	8	\$1,049
Stainless Steel (NXT PRO ADJUSTABLE CONTROLLER)							
DAB-JINOX62NXT	808416	0.44	0.6	42	45	4	\$859
DAB-JINOX82NXT	808417	0.6	0.8	47	60	6	\$899
DAB-JINOX102NXT	808418	0.75	1.0	53.8			\$949
DAB-JINOX112NXT	808419	1.0	1.36	61	80	8	\$999
DAB-JINOX132NXT	808420	1.0	1.36	48			\$1,049

*Taps calculated at 10 lpm.

DIMENSIONAL DRAWINGS (mm):

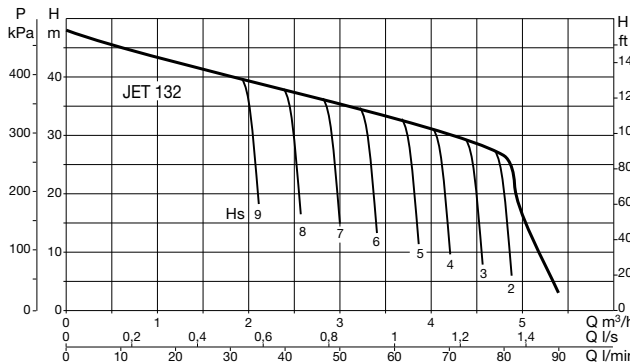
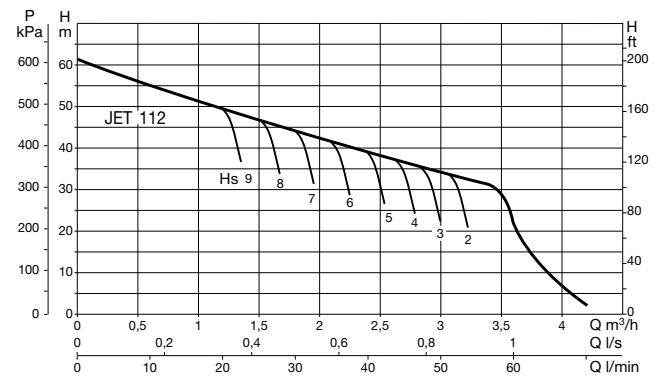
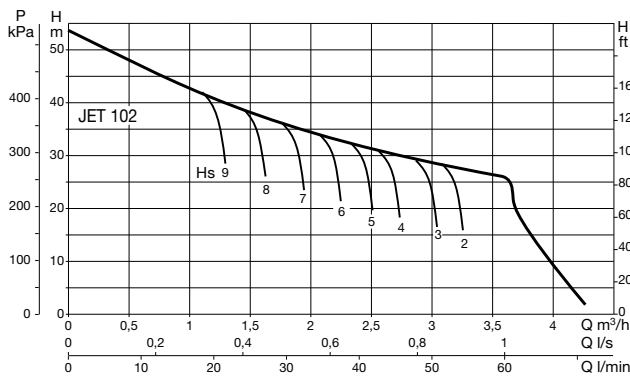
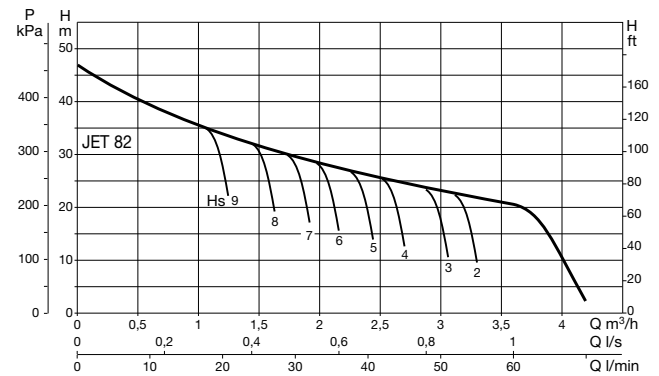
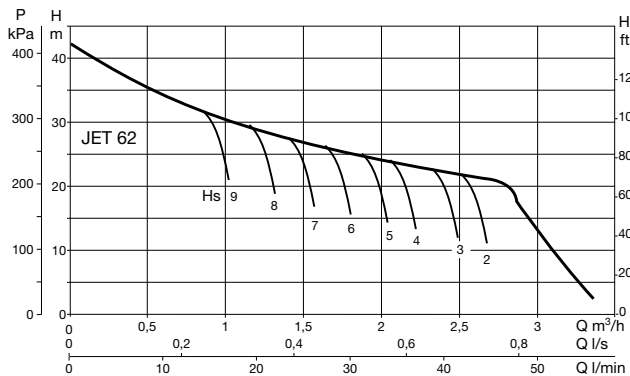


MODEL	A	B	C	E	F	G	H	H2	I Ø	DNA GAS	DNM GAS	PACKING DIMENSIONS			GROSS WEIGHT KG
												L	W	H	
JETCOM62M	406	170	122	208	14	111	198	144	9	1"	1"	470	240	240	7.5
JETCOM82M							7.7								
JETCOM102M	425						9.5								
JETCOM132M		10.5													

ELECTRONIC PRESSURE SYSTEM CURVES



DAB JET SERIES 62-132



For more information on the DAB domestic and household range, visit whiteint.com.au/dab-pumps

DNA (DAB Navigator Application) is DAB's software that allows you to find in a few seconds the pump model best suited to your needs.

- Selection criteria
 1. Hydraulic Performances
 2. Pump Model
- Provides spare parts as well as DAB technical literature
- Frequent updating and easy to use
- Ideal support tool for engineers, installers and dealers



Visit DAB DNA for pump selector and spare parts identification
dna.dabpumps.com



PRESSURE SWITCH PUMPS

DAB Pressure Pumps with Mechanical Switch

Suitable for domestic use for water supply and pressurisation, irrigation of gardens and moving water in general. Includes non-return valve. DAB Pressure Switch pumps are renowned for their unique self priming and extraordinary deep suction capability up to 9 metres at sea level.

All pressure switch controlled pumps must use a pressure tank (refer to Reflex pressure tanks)



DAB-62MP - DAB-132MP

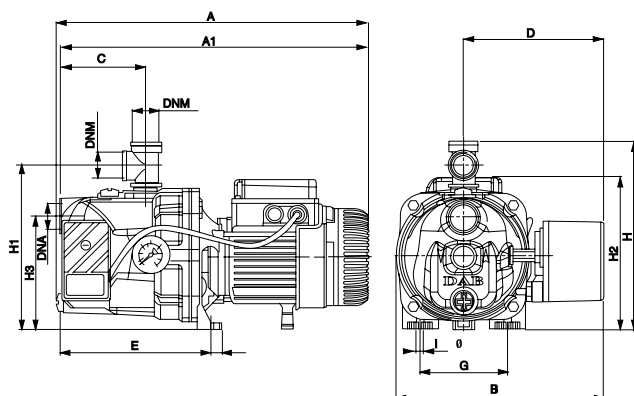
DAB-JINOX62MP - DABJINOX-132MP

DAB-JINOX62MP - DABJINOX-132MP							Settings				List
							Start		Stop		
Part Number	Item Code	kW	HP	Max Head (m)	Max Flow (lpm)	Taps*	psi	kPa	psi	kPa	List
Cast Iron											
DAB-62MP	701434	0.44	0.6	42	45	4	26	179	44	303	\$799
DAB-82MP	701445	0.6	0.8	47	60	6	29	200	58	400	\$849
DAB-102MP	701376	0.75	1.0	53.8							\$999
DAB-132MP	701384	1.0	1.36	48	80	8	29	200	58	400	\$1,049
Stainless Steel											
DAB-JINOX62MP	701597	0.44	0.6	42	45	4	26	179	44	303	\$699
DAB-JINOX82MP	701605	0.6	0.8	47	60	6	29	200	58	400	\$799
DAB-JINOX102MP	701581	0.75	1.0	53.8							\$869
DAB-JINOX112MP	701588	1.0	1.36	61			44	303	73	503	\$929
DAB-JINOX132MP	701592	1.0	1.36	48	80	8	29	200	58	400	\$949

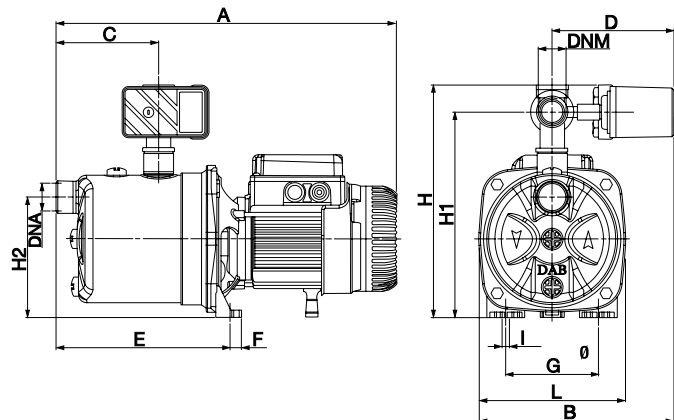
*Taps calculated at 10 lpm

DIMENSIONAL DRAWINGS (mm):

JET SERIES



JINOX SERIES



MODEL	A	A1	B	C	DNA	DNM	E	F	G	H	H1	H2	H3	I Ø	CASING	PUMP KG
JET62MP	395	390	263	108	1" BSP	1" BSP	192	14	111	239	209	193	144	9	6 BAR	11.9
JET82MP																12.1
JET102MP	414											203				13.9
JET132MP												14.9				
MODEL	A	B	C	D	DNA	DNM	E	F	G	H	H1	H2	I Ø	L	CASING	PUMP KG
JETINOX62MP	406	232	122	145	1" BSP	1" BSP	207	14	111	276	244	144	9	174	8 BAR	9.0
JETINOX82MP																9.2
JETINOX102MP	424															11.0
JETINOX112MP																12.0
JETINOX132MP																12.0

PRESSURE SWITCH PUMPS

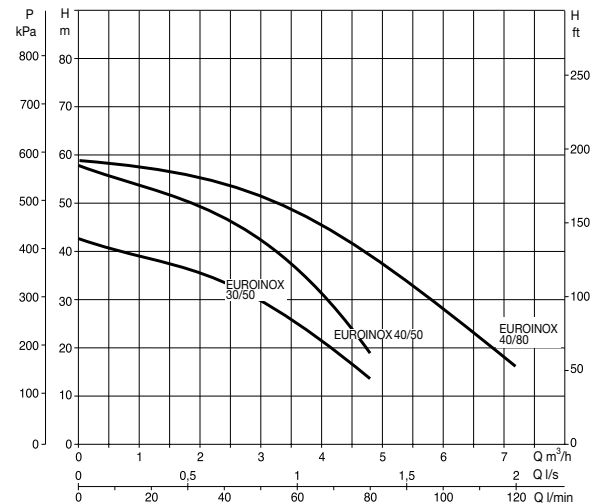
DAB Multistage Pumps with Mechanical Switch

Suitable for domestic use for water supply and pressurisation, irrigation of gardens and moving water in general. Includes non-return valve. DAB Multistage pumps are renowned for their unique self priming and extraordinary deep suction capability up to 9 metres at sea level.

All pressure switch controlled pumps must use a pressure tank (refer to Reflex pressure tanks)



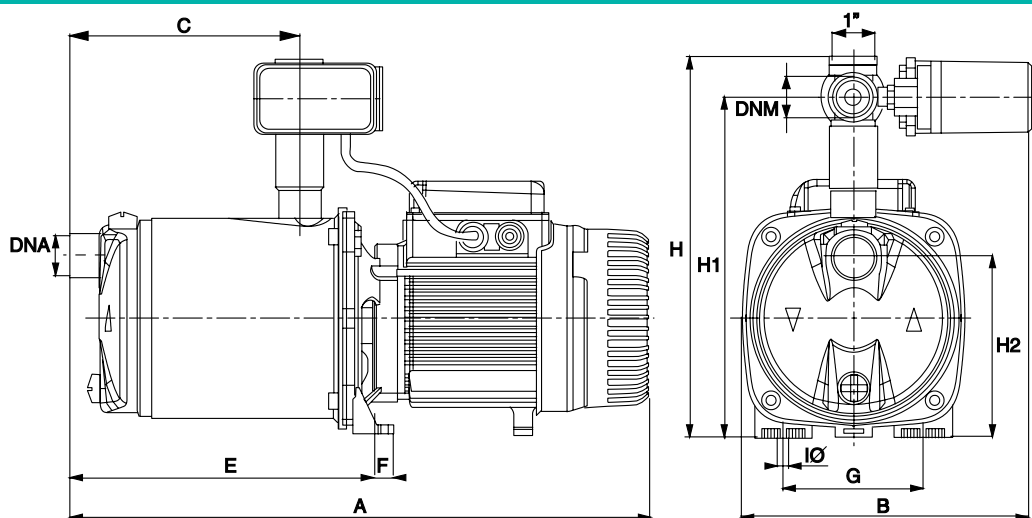
PERFORMANCE CURVE:



							Settings				
							Start		Stop		
Part Number	Item Code	kW	HP	Max Head (m)	Max Flow (lpm)	Taps*	psi	kPa	psi	kPa	List
Stainless Steel											
DAB-EUROINOX30/50MP	701531	0.55	0.75	42.2	80	8	29	200	58	400	\$1,299
DAB-EUROINOX40/50MP	701538	0.8	1.1	57.7			44	303	73	503	\$1,449
DAB-EUROINOX40/80MP	701544	1.0	1.36	59	120	12					\$1,499

*Taps calculated at 10 lpm

DIMENSIONAL DRAWINGS (mm):



MODEL	A	B	C	DNA	DNM	E	F	G	H	H1	H2	I DIA	CASING	PUMP KG
EUROINOX30/50MP	384	226	108	1" BSP	1" BSP	186	13.5	111	300	268	143	9	8 BAR	11.7
EUROINOX40/50MP	458		166			241								15.8
EUROINOX40/80MP														16.5



MANUAL SURFACE MOUNTED PUMPS

DAB Manual Pumps

Suitable for domestic use for water supply and pressurisation, irrigation of gardens and moving water in general. DAB Jet pumps are renowned for their unique self priming and extraordinary deep suction capability up to 9 metres at sea level.

Available in technopolymer, cast iron and stainless steel, they are designed to handle abrasive and corrosive water which makes them ideally suited for spear point applications.

All models come with a 3 pin plug lead.



TECHNOPOLYMER



CAST IRON

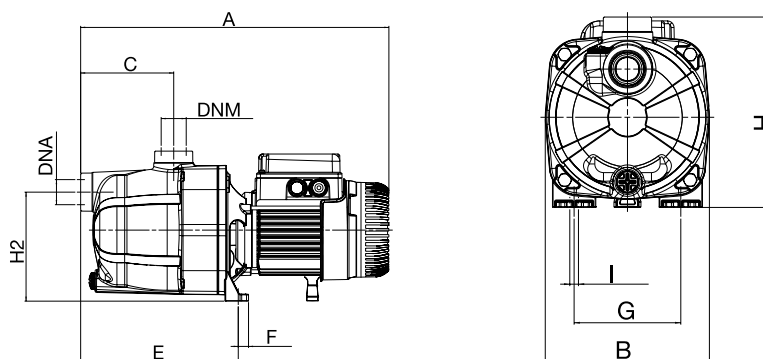


STAINLESS STEEL

Part Number	Item Code	kW	HP	Volts	Max Head (m)	Max Flow (lpm)	Ports	Taps*	List
Technopolymer									
DAB-JETCOM62M-ANZ-LEAD	800424	0.44	0.6	240	42	45	1" BSPF In, 1" BSPF Out	4	\$399
DAB-JETCOM82M-ANZ-LEAD	800425	0.6	0.8		47	60		6	\$439
DAB-JETCOM102M-ANZ-LEAD	800426	0.75	1.0		53.8			\$479	
DAB-JETCOM132M-ANZ-LEAD	800427	1.0	1.36		48	80		8	\$519
Cast Iron									
DAB-62M	701433	0.44	0.6	240	42	45	1" BSPF In, 1" BSPF Out	4	\$679
DAB-82M	701444	0.6	0.8		47	60		6	\$749
DAB-102M	701375	0.75	1.0		53.8			\$849	
DAB-132M	701383	1.0	1.36		48	80		8	\$899
Stainless Steel									
DAB-JINOX62M	701596	0.44	0.6	240	42	45	1" BSPF In, 1" BSPF Out	4	\$549
DAB-JINOX82M	701603	0.6	0.8		47	60		6	\$599
DAB-JINOX102M	701580	0.75	1.0		53.8				\$669
DAB-JINOX112M	701587	1.0	1.36		61				\$739
DAB-JINOX132M	701591				48	80		8	\$799

*Taps calculated at 10 L/m

DIMENSIONAL DRAWINGS (mm):



MODEL	A	B	C	E	F	G	H	H2	I Ø	DNA GAS	DNM GAS	PACKING DIMENSIONS			GROSS WEIGHT KG																				
												L	W	H																					
JETCOM62M	406	170	122	208	14	111	198	144	9	1"	1"	470	240	240	7.5																				
JETCOM82M							203								7.7																				
JETCOM102M	425														9.5																				
JETCOM132M															10.5																				

MANUAL SURFACE MOUNTED PUMPS

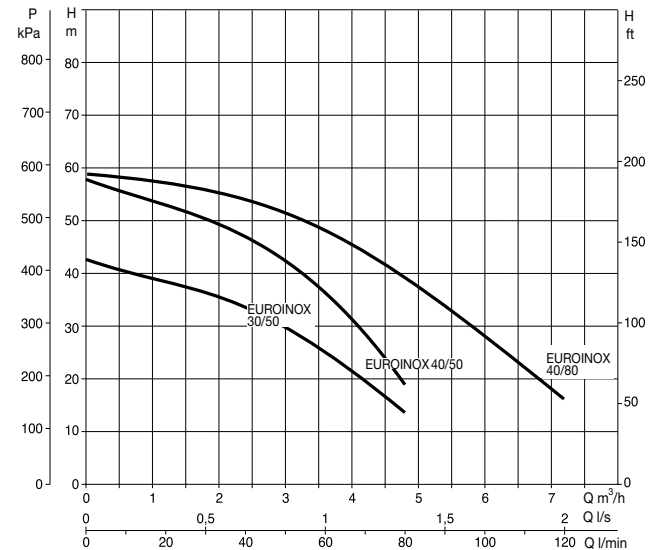
DAB Horizontal Multistage Pumps

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

- Stainless Steel pump casing resists corrosion and water borne bacteria
- Unique self priming design makes these pumps ideal for long suctions and large homes
- Emits less noise (when compared to jet pumps), making them ideal for high density urban applications



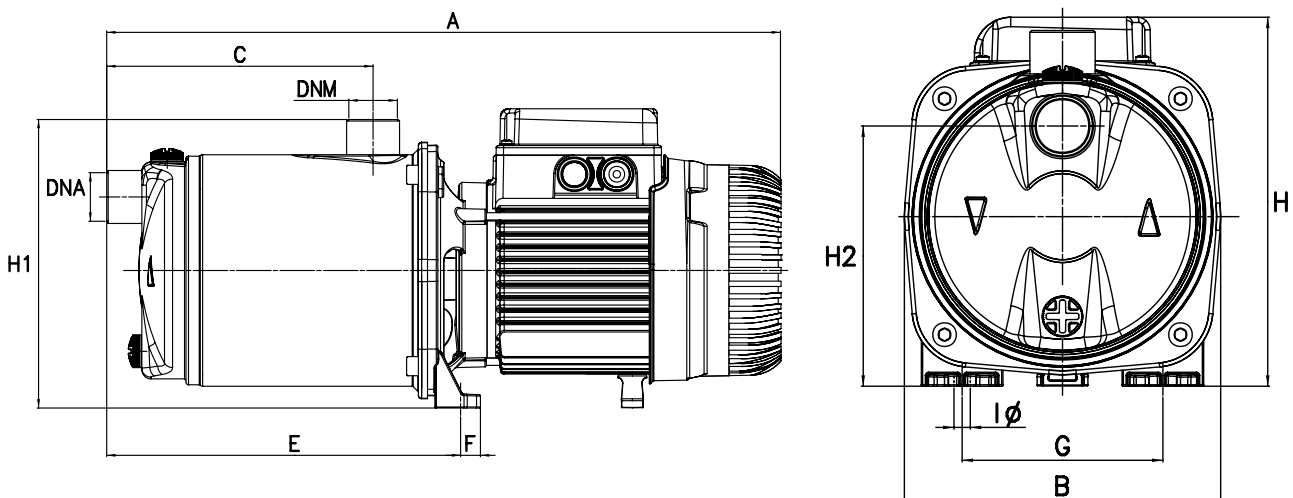
PERFORMANCE CURVE:



Part Number	Item Code	kW	HP	Max Head (m)	Max Flow (lpm)	Taps*	Ports	Volts	List
Stainless Steel									
DAB-EUROINOX30/50M	701530	0.55	0.75	42.2	80	8	Ports: 1" BSPF In, 1" BSPF Out	240	\$1,199
DAB-EUROINOX40/50M	701536	0.8	1.1	57.7					\$1,299
DAB-EUROINOX40/80M	701542	1.0	1.36	59	120	12			\$1,349

*Taps calculated at 10 lpm

DIMENSIONAL DRAWINGS (mm):



MODEL	A	B	C	E	F	G	I Ø	H	H1	H2	DNA GAS	DNM GAS	PACKING DIMENSIONS			GROSS WEIGHT KG
													L	W	H	
EUROINOX30/50M	384	174	108	186	13.5	111	9	193	196	143	1"	1"	440	206	245	10.7
EUROINOX40/50M	458		166	241									480	212	265	14.8
EUROINOX40/80M													15.5			



CIRCULATOR PUMPS

DAB Cast Iron Circulators

Circulators with cast iron body for hot water circulation in domestic systems including solar hot water and under floor heating systems. Order unions separately.

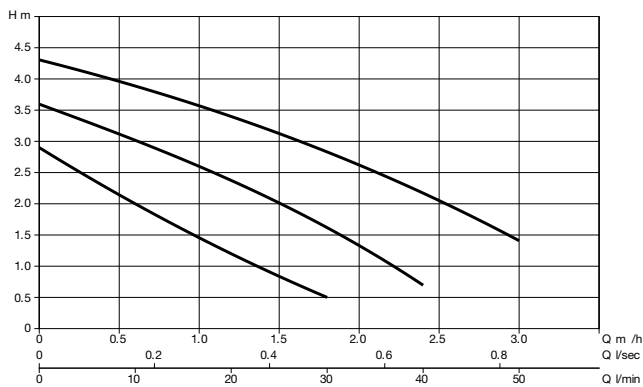
Features:

- Protection rating IP44
- 3 speed

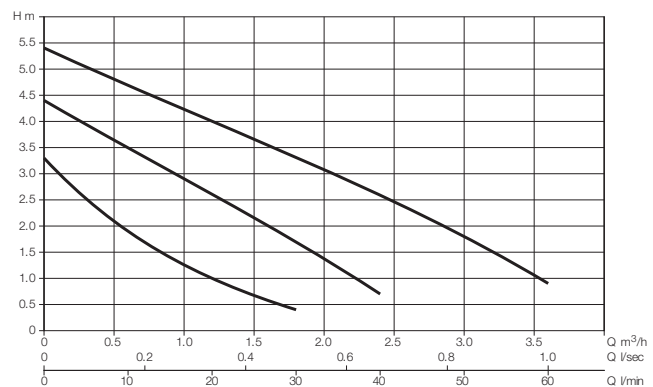


PERFORMANCE CURVE:

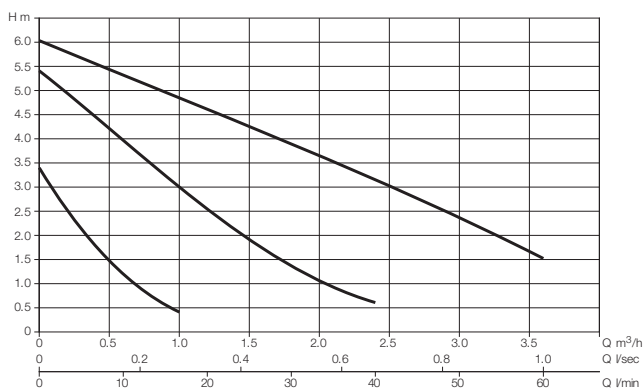
DAB-VA35-130



DAB-VA55-130



DAB-VA65-130

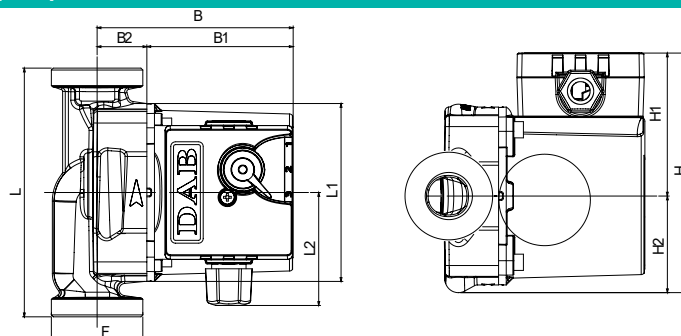


CIRCULATOR ACCESSORIES:

Part Number	Item Code	Material	Ports	List
DAB-UNION3/4	702730	Cast Iron (pair) suit 1-1/2" port	3/4" BSPF Out	\$30
DAB-UNION1	702727		1" BSPF Out	\$35
DAB-UNION3/4B	702731	Brass (pair) suit 1-1/2" port	3/4" BSPF Out	\$80
DAB-UNION1B	702729		1" BSPF Out	\$85

Part Number	Item Code	Watts	Max. Operating Temperature	Max Head (m)	Max Flow (lpm)	Centre Distance (mm)	List
DAB-VA35-130	702734	56	110°C	4.3	50	130	\$399
DAB-VA55-130	702735	70		5.4			\$449
DAB-VA65-130	702736	78		6.0			\$479

DIMENSIONAL DRAWING (mm):



MODEL	L	L1	L2	B	B1	B2	H	H1	H2	F	PACKING DIMENSIONS			GROSS WEIGHT KG
											L/A	L/B	H	
DAB-VA RANGE	130	98	60	104	78	26	124	75	49	1 1/2"	134	188	150	2.5

CIRCULATOR PUMPS



DAB Bronze Circulators

Circulators with bronze body for hot water circulation in domestic systems including hot water and under floor heating systems.

Pump for hot water circulation in hot water domestic systems of the closed and pressurised or open tank type.

Order unions separately.

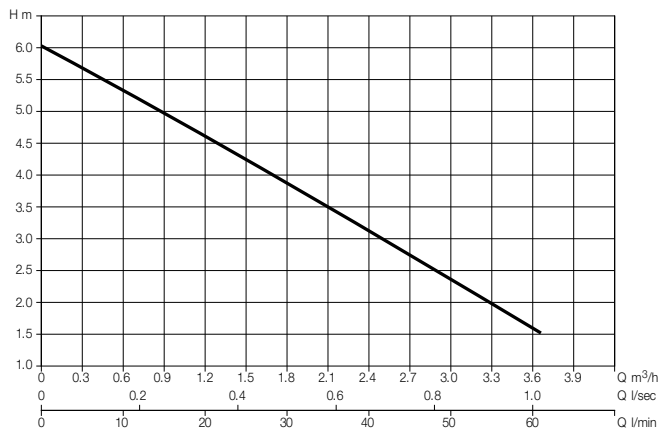
Features:

- Single body formed of the bronze hydraulic unit
- Die-cast aluminium motor casing
- Technopolymer impeller
- Ceramic driving shaft mounted on graphite brushings lubricated by the pumped liquid itself
- Stainless steel protective rotor sleeve, stator sleeve and closing flange
- Ceramic thrust bearing
- E.P.D.M. "O" rings.
- The two-pole or four-pole asynchronous motor with wet rotor is self protected for resistance
- No overload protection required.
- Protection rating IP44
- Single Speed



Part Number	Item Code	Watts	Volts	Max Head (m)	Max Flow (lpm)	Ports	Centre Distance (mm)	List
DAB-VS65-150	702738	77	240	6.0	60	1½" BSPM In, 1½" BSPM Out	150	\$699

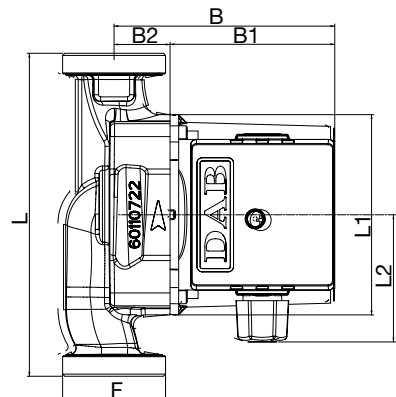
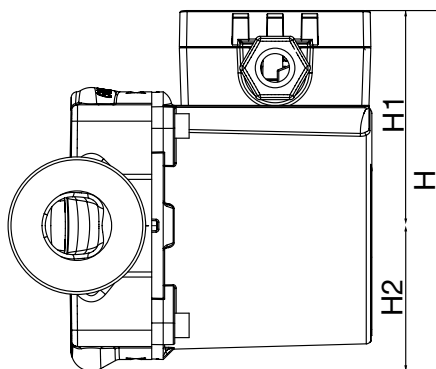
PERFORMANCE CURVE:



VS by DAB is a wet rotor circulator with bronze pump body designed for the circulation of drinkable hot water in domestic and residential systems. The motor shaft can be deblock manually. VS has a vent plug, an asynchronous motor with overload protection and threaded suction and delivery ports.



DIMENSIONAL DRAWING (mm):



MODEL	L	L1	L2	B	B1	B2	H	H1	H2	F (GAS)	PACKING DIMENSIONS			GROSS WEIGHT KG
											L	W	H	
VS 65/150 M	150	98	60	104	78	26	124	75	49	1½"	134	188	150	2.6



CIRCULATOR PUMPS

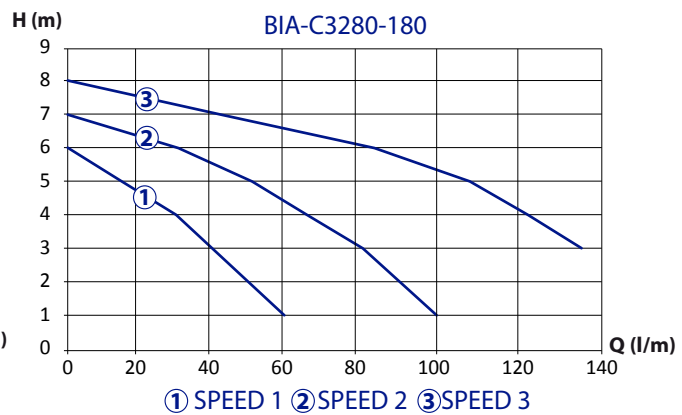
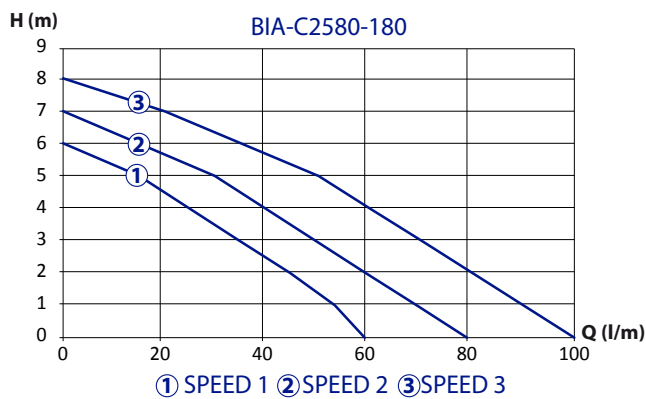
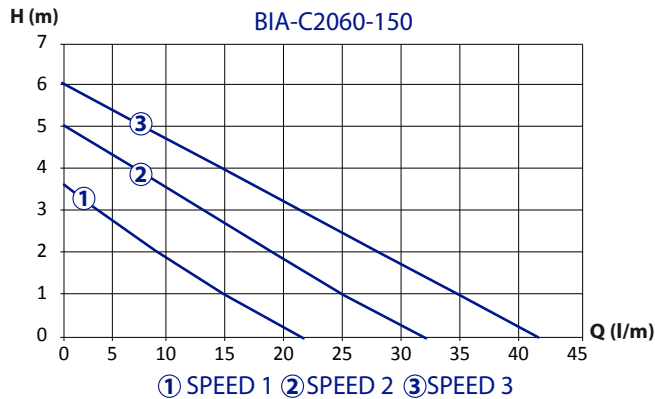
BIANCO
PUMPZ

Bianco Stainless Steel Domestic Circulators

These circulator pumps are constructed in stainless steel and are used for hot water circulation in domestic systems, including solar hot water and under floor heating systems.

Features:

- Protection rating IP44
- 3 Speed
- Maximum operating temperature 110°C
- Supplied complete with unions



Part Number	Item Code	Volts	Speed	Max. Operating Temperature	Watts	Max Head (m)	Max Flow (lpm)	Ports	Unions	Centre Distance	List
BIA-C2060-150	802778	240	3	110°C	100	6	42	1¼" BSPM In 1¼" BSPM Out	1-¼"F x ¾"F	150	\$379
BIA-C2580-180	802779				245	8	100	1-1½" BSPM In 1-1½" BSPM Out	1-½"F x 1"F	180	\$649
BIA-C3280-180	805645						134	2" BSPM In 2" BSPM Out	2"F x 1¼"F		\$649

Circulators

Domestic Hot Water Circulating

- Domestic hot water circulators
- Stainless steel housing
- Suitable for underfloor heating
- Maintenance free
- Quiet operation
- Comes complete with unions
- Integrated variable speed drive
- Has the highest efficiency rating 'A' in the industry
- Saving the customer money all day every day

BIANCO
PUMPZ

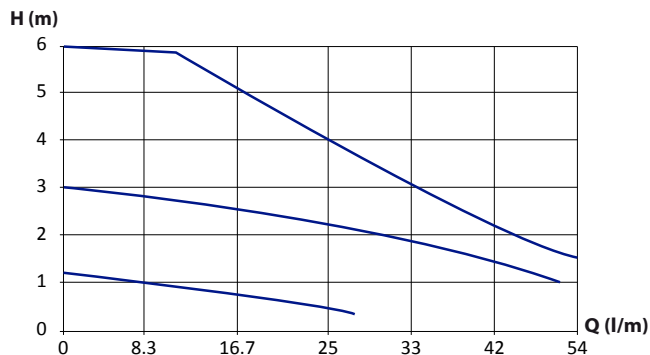
CIRCULATOR PUMPS

Bianco iCIRC Circulator

Suitable for domestic systems including solar hot water and under floor heating systems.

Features:

- Protection rating IP42
- Constructed with stainless steel housing
- Supplied complete with unions
- Integrated variable speed drive
- Energy efficient circulator - has the highest 'A' rating in industry
- Low noise



ICON

BIANCO PUMPZ

BIANCO
2
YEAR PUMP WARRANTY

DOMESTIC & HOUSEHOLD

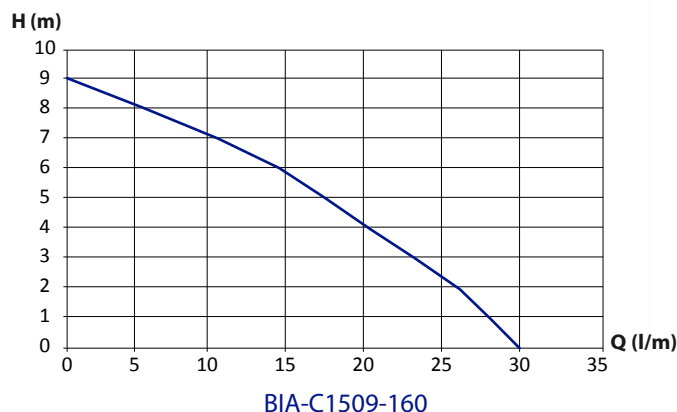
Part Number	Item Code	Speed	Watts	Max. Operating Temperature	Volts	Max Head (m)	Max Flow (m)	Ports	Unions	Centre Distance	List
BIA-iCIRC150	802777	VFD operation 5 settings Self adapting auto	45	110°C	240	6	54	1½" BSPM Out	1" BSPF	150	\$799

Hot Water Booster

Suitable for boosting pressure in gravity fed hot water systems in domestic systems.

Features:

- Protection rating IP42
- Stainless steel body
- Supplied complete with unions
- Single speed operation
- Maximum operating temperature 60°C
- Automatic cuts in and out on float



BIA-C1509-160



BIANCO
2
YEAR PUMP WARRANTY

Part Number	Item Code	Speed	Watts	Max. Operating Temperature	Volts	Max Head (m)	Max Flow (lpm)	Ports	Unions	Centre Distance	List
BIA-C1509-160	803064	Single	120	60°C	240	9	30	¾" BSPM Out	½" BSPM	160	\$549



Intelligent Pump Controls

The Bianco iCON nXt Series represents the next step in pressurised pump controls.

The Bianco iCON nXt controllers are tested in Australia to ensure operation in the toughest of environments, combining innovative technology with robust proven architecture to guarantee constant supply of pressurised water when and where you need it the most. Ideal for pumps supplying clean, non-volatile liquids without fibers or solids in applications such as:



Part Number	Item Code	Modes	Rated Power (W)	A max	IP Rating	kW	Cable to Pump	Union Size	Start Pressure	Stop Pressure	List
BIA-NXT	808034	Single	1500	10	IP65	1.5	Plug & play	1"	2.2 bar	On no flow	\$185
BIA-NXTPRO	808035	Dual	2200	16		2.2	Plug & play	1"	Adjustable	Adjustable	\$240
BIA-NXTPROPLUS	808036	Triple					Hardwired (No Cable)	(1 ¼" sold separately)			\$299
Accessories											
BIA-NXTUNION32	808431	1¼" union set									\$35
BIA-NXTTANK	808432	Pressure tank to suit nXt Pro and nXt Pro Plus models. 0.3L									\$30
BIA-AXADAPTOR	808675	IEC AX adaptor for NXT									\$20

PUMP CONTROLLERS

BIANCO iPRESS Pro

The Bianco Pumpz iPRESS Pro is a device used to control electric 240V pumps of 2.2kW or less. The iPRESS Pro is the first electric pump controller with a fully adjustable cut in pressure of between 0.5-6.0 bar and a cut out pressure of between 0.8-9.8 bar and monitors both the pressure and flow. The unit will protect the pump should the water supply fail and will automatically restart normal operation once water is restored.

The iPRESS Pro controller has the ability to operate as either a standard auto restart pressure controller* or an automatic restart loss of prime pressure switch± and enables the owner full control of the pressure system. It also includes a lockout system to prevent unauthorised adjustments and is supplied with power leads.

Because of its design, a pressure tank is recommended for Mode 1 and MUST be used for Mode 2.



Part Number	Item Code	Volts	Cut in Pressure (bar)	Includes BOTH Mode 1 & Mode 2	IP Rating	List
BIA-IPRESSPRO	802776	240	0.5 - 6.0	*Mode 1: Pressure tank recommended ±Mode 2: Pressure tank required	IP65	\$249

Auto-Restart Automatic Pump Controller Plug and Play (Pressure Controller)

The White International controllers are devices used to control electric 240V pumps of 1.5kW or less.

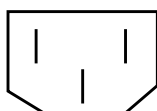
The controller monitors both the pressure and the flow. It controls the operation of the pump automatically. Because of its design, there is no need for a separate pressure (expansion) tank, nor is there any need to adjust start and stop pressures as per traditional pressure switches.

The unit will protect the pump should the water supply fail (due to blockage in the pipe or tank running dry) and will automatically restart normal operation once water is restored.

Pressure tank recommended.



3 pin Socket
(SK10AXHS2
& SK13BA)



IEC Lead
(SK10PPHS2
& SK20PPHS2)



WHI-SK10PPHS2



WHI-SK13BA

Part Number	Item Code	Description	Volts	pH	A max	IP Rating	kW	HP	Ports	Cut in Pressure (bar)	Min. Pump kPa	List
WHI-SK10PPHS2	711941	IEC lead and pressure gauge	240	1	10	IP65	1.5	2.0	1" BSPM	1.5	300	\$179
WHI-SK10AXHS2-DSK8-1.5-X	711943	Round 3 pin socket and pressure gauge								2.2	400	\$179
WHI-SK20PPHS2	711942	IEC lead and pressure gauge								1.5 - 3.0	300 - 470	\$130
WHI-SK13BA	710845	Round 3 pin socket and pressure gauge					1.1	1.5				

reflex

Thinking solutions.





REFLEX PRESSURE TANKS

Ranging from 2-400L, Reflex Pressure Tanks are manufactured in Europe and are ideally suited for a wide range of applications. These include booster systems, bore hole systems, sprinklers, irrigation systems, HVAC, thermal expansion and water hammer arresting.

reflex
Thinking solutions.


APPLICATIONS

An energy saving device such as a Reflex Pressure Tank pressure storage cell, stores energy in the form of pressurised water. The energy is transformed by the pump from electricity to water pressure. With a Reflex Pressure Tank, there is no loss of energy once it has been stored in the device.

By installing a Reflex Tank, the pump start events can be cut by 40 – 80%

- Saving power
- Extending pump life
- Reducing noise
- Low initial cost

The Reflex Tank is easy to fit to most pumps and can also be wall mounted.

The tank can be installed within minutes and the system can be fitted to any brand or type of pump.



Pre-Charge Nitrogen

REFIX DE

- 2-18 Litres
- Bladder according to DIN EN 13831
- All vessel parts in contact with water are corrosion resistant
- Meets or exceeds EC norms for pressure vessels 2014/108/EC directives
- Durable epoxy coating
- Factory pre-charged
- Vertical

REFIX HW

- 25-80 Litres
- Diaphragm according to DIN EN 13831 norm part 3
- All vessel parts are corrosion resistant
- Meets or exceeds EC norms for pressure vessels 2014/108/EC directives
- Durable epoxy coating
- Factory pre-charged
- Horizontal

REFIX DC

- 25 - 400 Litres
- Diaphragm, according to DIN EN 13831 norm part 3
- All vessel parts in contact with water are corrosion resistant
- Meets or exceeds EC norms for pressure vessels 2014/108/EC directives
- Durable epoxy coating
- Factory pre-charged
- Vertical / Free-Standing

BENEFITS

- Constructed for long life
- Extends pump life
- Reduces pump starts and noise
- Protects against water hammer and thermal expansion

FEATURES

- Manufactured in Europe
- 304 & 316Ti Stainless Steel water connection
- Corrosion resistant for long life
- UV resistant epoxy coating with a minimum thickness of 30 micron in blue RAL5007
- Air valve with sealing cap eliminates leaks
- Internal coating for drinking water applications
- Food grade approved high-grade butyl membranes and bladders WRAS, ACS, AS/NZS4020
- Maximum working temperature 70°C
- Maximum working pressures of 45psi/10bar or 232psi/16bar
- Tank pre-charge 58psi/4bar Nitrogen
- 5 year tank replacement guarantee



REFLEX PRESSURE TANKS

DE Series

- Vertical tanks
- High-grade butyl bladder according to DIN EN 13831

Part Number	Item Code	Vertical Size (L)	Bar	Outlet	Litres	List
REF-DE2**	806043	2	10	3/4" BSPM	1	\$79
REF-DE8**	806044	8			3	\$99
REF-DE18**	806045	18			6	\$139
REF-DE8-16	806046	8	16	1" BSPM	3	\$249
REF-DE25-16	806048	25			9	\$299
REF-DE80-16	806049	80			29	\$1,399

Note: Codes marked ** are WaterMark approved to WMTS-485:2018 Certificate No. 23340



Image of 8L tank

HW Series

- Horizontal tanks
- High-grade butyl diaphragm according to DIN EN 13831

Part Number	Item Code	Horizontal Size (L)	Bar	Outlet	Litres	List
REF-HW25**	806058	25	10	1" BSPM	9	\$249
REF-HW60**	806059	60			22	\$499
REF-HW80**	806060	80			29	\$549

Note: Codes marked ** are WaterMark approved to WMTS-485:2018 Certificate No. 23340



DC Series

- Vertical tanks
- High-grade butyl diaphragm according to DIN EN 13831





Part Number	Item Code	Vertical Size (L)	Bar	Outlet	Litres	List
REF-DC25**	806050	25	10	1" BSPM	9	\$219
REF-DC50**	806051	50			18	\$399
REF-DC80**	806052	80			29	\$549
REF-DC100**	806053	100			36	\$599
REF-DC140**	806054	140			50	\$929
REF-DC200**	806055	200			72	\$1,299
REF-DC300**	806056	300			108	\$1,529
REF-DC400**	806057	400			144	\$1,949

Note: Codes marked ** are WaterMark approved to WMTS-485:2018 Certificate No. 23340



Image of 50L - 400L free standing versions

REFLEX ACCESSORIES

Part Number	Item Code	Description	List	Image
REF-WALLBRACKET	806107	Wall Bracket suit tanks 8L – 25L	\$39	
REF-LOCKSHIELD1	806108	Lockshield valve for maintenance and detachment of expansion vessels with drainage. According to DIN EN 12828. PN 10/120°C	\$249	
REF-PG	806109	Digital Pressure Gauge 0 – 9 bar	\$99	
REF-1000MFCKIT*	702977	1" F x 1" M x 1000mm	\$149	
REF-1000MFECKIT*	702978	1" 90°F x 1" M x 1000mm	\$149	

*Includes nuts, bolts, washers, thread tape and instruction sheet for mounting pumps onto horizontal pressure tanks. Some dealer supplied fittings may be required for some pressure systems. Maximum working pressure 2070kPa, rigid pipework is recommended.



PRESSURE SYSTEM SELECTION GUIDE (PUMP FITTED WITH TANK)



Thinking solutions.

TANK AND HOSE														
TANK MODEL	MP	DE8	DE18	DC25	HW25	DC50	HW60	DC80	HW80	DC100	DC140	DC200	DC300	DC400
TANK PRICE		\$99	\$139	\$219	\$249	\$399	\$499	\$549	\$549	\$599	\$929	\$1,299	\$1,529	\$1,949
HOSE KIT PRICE					\$149	\$149	\$149	\$149	\$149	\$149	\$149	\$149	\$149	\$149
TOTAL		\$99	\$139	\$219	\$398	\$548	\$648	\$698	\$698	\$748	\$1,078	\$1,448	\$1,678	\$2,098
PUMP FITTED WITH TANK														
TANK MODEL	MP	DE8	DE18	DC25	HW25	DC50	HW60	DC80	HW80	DC100	DC140	DC200	DC300	DC400
PUMP MODEL														
62MP	\$799	\$898	\$938	\$1,018	\$1,197	\$1,347	\$1,447	\$1,497	\$1,497	\$1,547	\$1,877	\$2,247	\$2,477	\$2,897
82MP	\$849	\$948	\$988	\$1,068	\$1,247	\$1,397	\$1,497	\$1,547	\$1,547	\$1,597	\$1,927	\$2,297	\$2,527	\$2,947
102MP	\$999	\$1,098	\$1,138	\$1,218	\$1,397	\$1,547	\$1,647	\$1,697	\$1,697	\$1,747	\$2,077	\$2,447	\$2,677	\$3,097
132MP	\$1,049	\$1,148	\$1,188	\$1,268	\$1,447	\$1,597	\$1,697	\$1,747	\$1,747	\$1,797	\$2,127	\$2,497	\$2,727	\$3,147
JINOX62MP	\$699	\$798	\$838	\$918	\$1,097	\$1,247	\$1,347	\$1,397	\$1,397	\$1,447	\$1,777	\$2,147	\$2,377	\$2,797
JINOX82MP	\$799	\$898	\$938	\$1,018	\$1,197	\$1,347	\$1,447	\$1,497	\$1,497	\$1,547	\$1,877	\$2,247	\$2,477	\$2,897
JINOX102MP	\$869	\$968	\$1,008	\$1,088	\$1,267	\$1,417	\$1,517	\$1,567	\$1,567	\$1,617	\$1,947	\$2,317	\$2,547	\$2,967
JINOX112MP	\$929	\$1,028	\$1,068	\$1,148	\$1,327	\$1,477	\$1,577	\$1,627	\$1,627	\$1,677	\$2,007	\$2,377	\$2,607	\$3,027
JINOX132MP	\$949	\$1,048	\$1,088	\$1,168	\$1,347	\$1,497	\$1,597	\$1,647	\$1,647	\$1,697	\$2,027	\$2,397	\$2,627	\$3,047
EUROINOX30/50MP	\$1,299	\$1,398	\$1,438	\$1,518	\$1,697	\$1,847	\$1,947	\$1,997	\$1,997	\$2,047	\$2,377	\$2,747	\$2,977	\$3,397
EUROINOX40/50MP	\$1,449	\$1,548	\$1,588	\$1,668	\$1,847	\$1,997	\$2,097	\$2,147	\$2,147	\$2,197	\$2,527	\$2,897	\$3,127	\$3,547
EUROINOX40/80MP	\$1,499	\$1,598	\$1,638	\$1,718	\$1,897	\$2,047	\$2,147	\$2,197	\$2,197	\$2,247	\$2,577	\$2,947	\$3,177	\$3,597
151MP	\$1,499	\$1,598	\$1,638	\$1,718	\$1,897	\$2,047	\$2,147	\$2,197	\$2,197	\$2,247	\$2,577	\$2,947	\$3,177	\$3,597
151TP	\$1,799	\$1,898	\$1,938	\$2,018	\$2,197	\$2,347	\$2,447	\$2,497	\$2,497	\$2,547	\$2,877	\$3,247	\$3,477	\$3,897
200MP	\$1,499	\$1,598	\$1,638	\$1,718	\$1,897	\$2,047	\$2,147	\$2,197	\$2,197	\$2,247	\$2,577	\$2,947	\$3,177	\$3,597
251MP	\$1,599	\$1,698	\$1,738	\$1,818	\$1,997	\$2,147	\$2,247	\$2,297	\$2,297	\$2,347	\$2,677	\$3,047	\$3,277	\$3,697
300MP	\$1,599	\$1,698	\$1,738	\$1,818	\$1,997	\$2,147	\$2,247	\$2,297	\$2,297	\$2,347	\$2,677	\$3,047	\$3,277	\$3,697
DP151MP	\$1,349	\$1,448	\$1,488	\$1,568	\$1,747	\$1,897	\$1,997	\$2,047	\$2,047	\$2,097	\$2,427	\$2,797	\$3,027	\$3,447
DP251MP	\$1,449	\$1,548	\$1,588	\$1,668	\$1,847	\$1,997	\$2,097	\$2,147	\$2,147	\$2,197	\$2,527	\$2,897	\$3,127	\$3,547

REFLEX APPLICATIONS

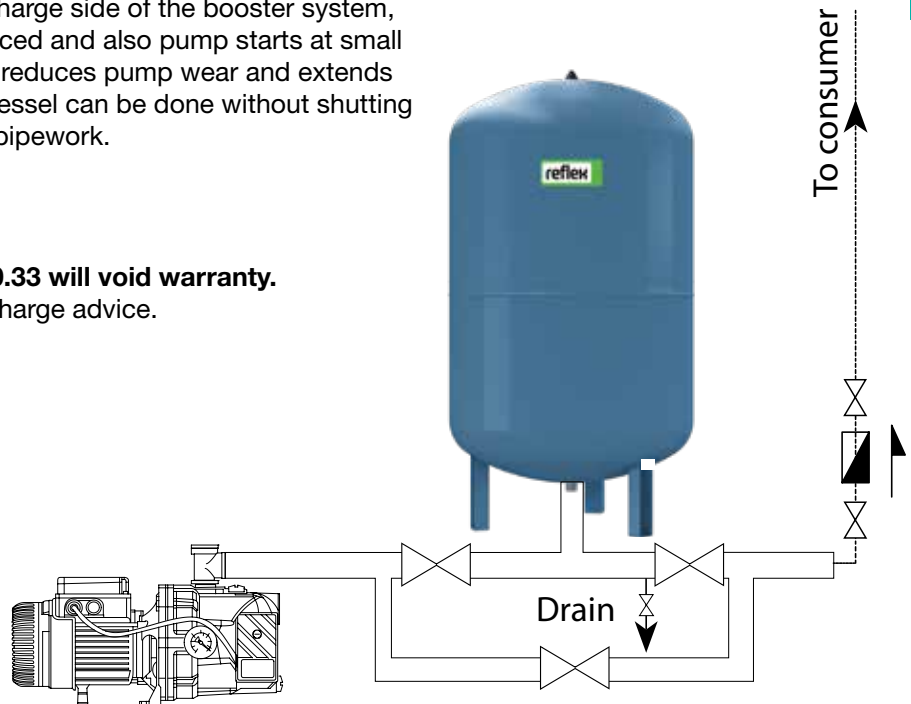
reflex

Thinking solutions.

Vessel on a pressure system

With the vessel mounted on the discharge side of the booster system, the numbers of pump starts are reduced and also pump starts at small draw-offs are totally eliminated. This reduces pump wear and extends pump life time. Maintenance of the vessel can be done without shutting off the water supply with the shown pipework.

Maximum acceptance exceeding 0.33 will void warranty.
 Contact White International for pre-charge advice.



Pre-charge instructions

1. Pressure switch controlled pumps with differential pressure set at 140 kPa (20 psi), pre-charge the tank to 20 kPa (3 psi) below the cut in pressure.
2. For pumps controlled by pressure switches with higher differential pressures, electronic controls or variable speed controls, pre-charge the tank to 65% of the maximum system pressure.
3. Pressure tanks installed on mains pressure, pre-charge should be set at the mains pressure.
4. For hot water expansion, pre-charge should be set at the mains pressure.

		CUT IN PRESSURE							
		1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
CUT OUT PRESSURE	2.5	1.30	1.80	Green cells - precharge is 20kpa below cut in pressure					
	3.0	1.66	1.80	2.30	Blue cells - precharge is 66.6% of cut out pressure				
	3.5	2	1.80	2.30	2.80				
	4.0	2.33	2.33	2.33	2.80	3.30			
	4.5	2.66	2.66	2.66	2.80	3.30	3.80		
	5.0	3	3	3	2.80	3.30	3.80	4.30	
	5.5	3.33	3.33	3.33	3.33	3.30	3.80	4.30	4.80
	6.0				3.66	3.66	3.66	3.80	4.30
	6.5				4	4	4	4	4.30
	7.0				4.33	4.33	4.33	4.33	4.33
	8.0				4.99	4.99	4.99	4.99	4.99
	9.0				5.66	5.66	5.66	5.66	5.66



ACCESSORIES



Part Number	Item Code	Description	List	Image
DAB-6BARPS	701440	Telemecanique Pressure Switch 6 BAR	\$79	
DAB-12BARPS	701380	Telemecanique Pressure Switch 12 BAR	\$89	
BIA-SK6	700968	Loss of prime pressure switch. Pressure Switch Setting: 1 - 6 Bar Factory Setting: 1.4 - 2.8 Bar, 240V, 1 ph, Connection: 6mm (1/4") BSP, Indoor Use	\$80	
BIA-SK9A	700969	Adjustable pressure switch 6 bar with stainless steel back plate Pressure Switch Setting: 1 - 6 Bar, Factory Setting: 1.4 - 2.8 Bar 240V, 1 ph, IP44, Connection: 6mm (1/4") BSP	\$55	
WHI-6BARPG	701439	Pressure gauge 6 bar	\$35	
WHI-12BARPG	701379	Pressure gauge 12 bar	\$55	
BIA-UNION	808475	Technopolymer Union	\$21	
BIA-UNIONPC	701049	3pc Union 1" Male to Female	\$5	
BIA-UNIONMPCXSS	711946	Stainless Steel Union	\$44	
DAB-UNIONMPCA	702733	Hex Union 1" M/F Brass	\$37	
DAB-3WT	701423	Three Way Tee 1" x 1" x 1" Bronze	\$40	
DAB-5WT	701431	Five Way Tee 1/4" x 1/4" x 1" x 1" x 1" Bronze	\$55	
DAB-NRV25FM	701758	Check Valve 1" Bronze F/M	\$90	
DAB-NRV25MF	701759	Check Valve 1" Bronze M/F	\$91	
DAB-STR25M	702726	Screw In Strainer 1" Bronze	\$25	
BIA-SK12(5M)	700965	5m Float Switch 10A with HO5 Neoprene Cable	\$50	
BIA-SK12(10M)	700962	10m Float Switch 10A with HO5 Neoprene Cable	\$70	
BIA-SK12(20M)	700963	20m Float Switch 10A with HO5 Neoprene Cable	\$125	
BIA-SK12(30M)	700964	30m Float Switch 10A with HO5 Neoprene Cable	\$180	
BIA-FSK1	700610	10 Metre float switch with H07 neoprene cable 240V, 1 ph, 10A Max, "3 wire", IP68, Max 50°C.	\$80	
BIA-FSK1-20	700611	20 Metre float switch with H07 neoprene cable. 240V, 1 ph, 16A Max, "3 wire", IP68, Max 50°C.	\$100	
BIA-SK12CWB	700967	Float switch counterweight 200g gland mounting	\$10	
BIA-TSHKITA	701034	Suction hose & float kit	\$110	
BIA-TSHKITA-1.5M	804721	Rainwater tank suction hose & float kit 1.5M	\$120	
WHI-PIGGYBACKFLOAT-V4	802669	15 Metre piggy back float switch 16(8)a	\$165	
WHI-PUMPCOVER	710821	Pump cover to suit pumps fitted with controllers. Sturdy two-piece design - base and lid. Cut out slots for inlet and outlet piping. Ventilation in lid. 640L x 340W x 601H Colour: Beige	\$149	
DAB-ESYLINEPUMPCOVER	807945	A new very strong pump cover that suits Esybox Mini ³ installed horizontally or vertically and Esybox installed vertically. Colour: Rivergum - Wilderness	\$179	



DNA (DAB Navigator Application) is DAB's software that allows you to find in a few seconds the pump model best suited to your needs.

- Selection criteria
 1. Hydraulic Performances
 2. Pump Model
- Provides spare parts as well as DAB technical literature
- Frequent updating and easy to use
- Ideal support tool for engineers, installers and dealers

Visit DAB DNA for pump selector and spare parts identification
dna.dabpumps.com



FARM & IRRIGATION



SURFACE MOUNTED SHALLOW WELL CAST IRON



Self Priming Single & Multistage Jet Pressure Pumps

Constructed from high quality cast iron for corrosion resistance and are for high head applications. Suitable for pumping from rivers, tanks and dams, irrigation and lawn watering applications. Self priming centrifugal pump with excellent suction capacity even when there are air-bubbles.



Part Number	Item Code	kW	HP	Volts	Max Head (m)	Max Flow (lpm)	Ports	List
Cast Iron (NXT PRO CONTROLLER)								
DAB-151NXTP	808424	1.1	1.5	240	61	75	1¼" BSPF In, 1" BSPF Out	\$1,649
DAB-251NXTP	808425	1.85	2.5		62	120		\$1,749
DAB-200NXTP	808426	1.47	2		41	185	1½" BSPF In, 1¼" BSPF Out	\$1,699
DAB-300NXTP	808427	2.2	3		51	185		\$1,799
Cast Iron (PRESSURE SWITCH SYSTEMS)								
DAB-151MP*	701389	1.1	1.5	240	61	75	1¼" BSPF In, 1" BSPF Out	\$1,499
DAB-151TP*	701395			415				\$1,799
DAB-251MP*	701402	1.85	2.5	240	62	120	1½" BSPF In, 1¼" BSPF Out	\$1,599
DAB-200MP*	701399	1.47	2.0		41	185		\$1,499
DAB-300MP*	701417	2.2	3.0		51	185		\$1,599

*Pump requires pressure tank which is sold separately.

SHALLOW WELL SELF PRIMING CAST IRON

Surface Mounted Multi-Stage Jet Assisted Pumps

Used for supplying water to domestic farming and commercial installations, these self priming centrifugal pumps have superior suction capacity even when there are air bubbles and small particles of sand in the water.

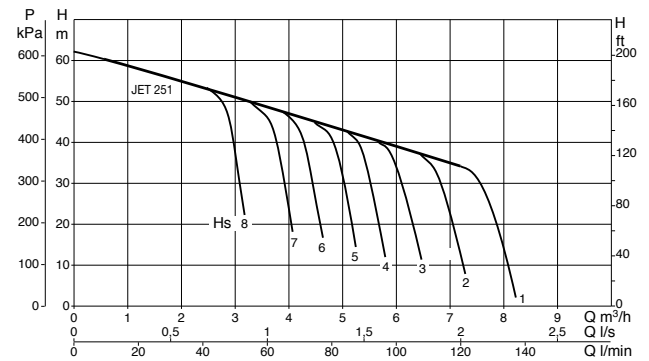
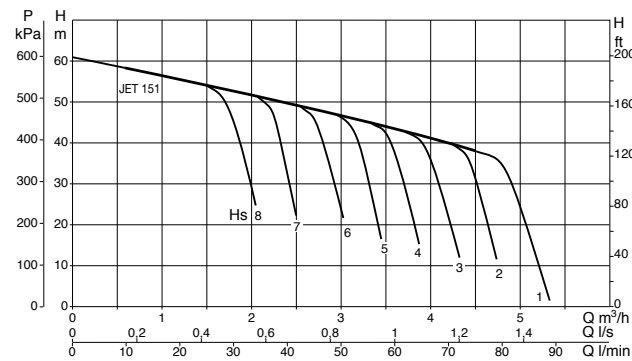
Ideal for use in small-scale agriculture, gardening, limited industrial services and other self-priming operations.



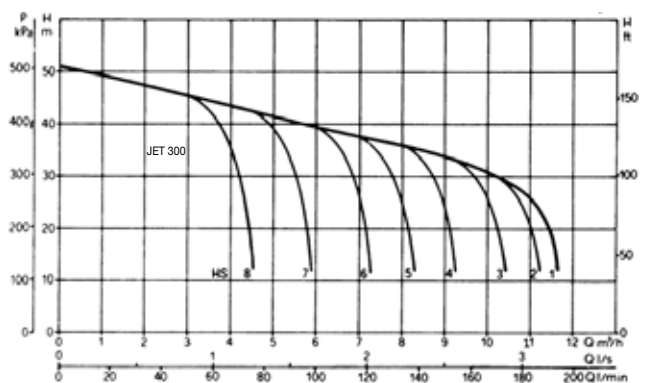
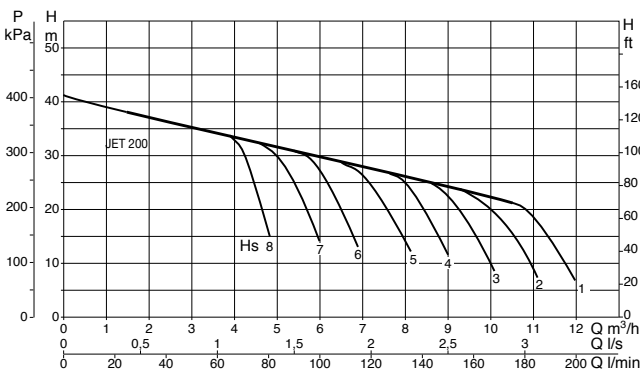
Part Number	Item Code	kW	HP	Volts	Max Head (m)	Max Flow (lpm)	Ports	List
Cast Iron Surface Mounted Multi-Stage								
DAB-151M	701388	1.1	1.5	240	61	75	1¼" BSPF In, 1" BSPF Out	\$1,349
DAB-151T	701394			415				\$1,349
DAB-251M	701401	1.85	2.5	240	62	120		\$1,429
DAB-251T	701405			415				\$1,409
Cast Iron Surface Mounted Single Stage								
DAB-200M	701398	1.47	2.0	240	41	185	1½" BSPF In, 1¼" BSPF Out	\$1,349
DAB-200T	701400			415				\$1,349
DAB-300M	701416	2.2	3.0	240	51			\$1,399
DAB-300T	701419			415				\$1,399

PERFORMANCE CURVES:

Jet Series 151 & 251

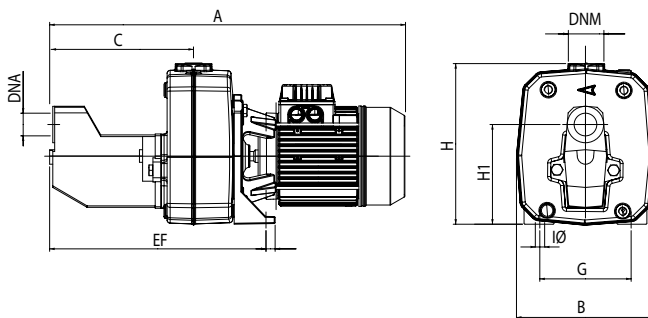


Jet Series 200 & 300

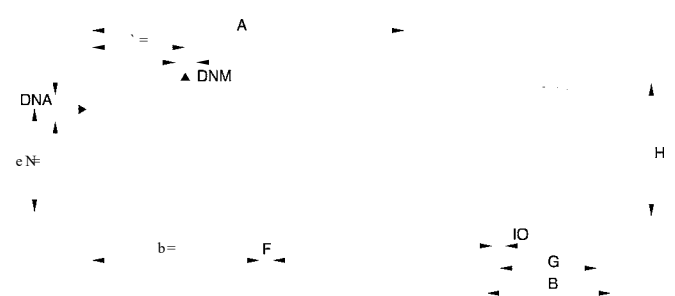


DIMENSIONAL DRAWINGS (mm):

Jet Series 151 & 251



Jet Series 200 & 300



MODEL	A	B	C	E	F	G	I Ø	H	H1	DNA GAS	DNM GAS
DAB-151	558	210	221	350	20	145	11	255	158	1¼"	1"
DAB-251 M	632										
DAB-251 T	558										

MODEL	A	B	C	E	F	G	I Ø	H	H1	DNA GAS	DNM GAS
JET 200	521	214	151	282	20	160	11	227	175	1½"	1¼"
JET 300 M	595							235			
JET 300 T											





SURFACE MOUNTED DEEP WELL CAST IRON

Twin Impeller Pressure Pumps

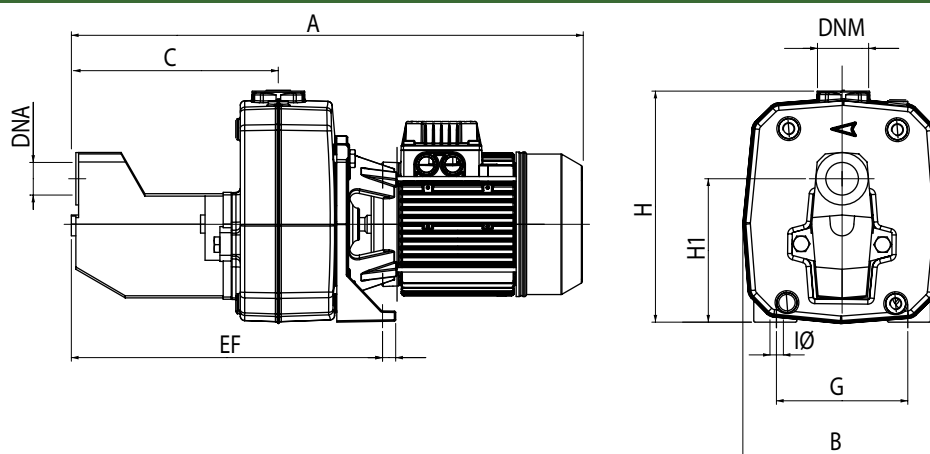
Constructed from high quality cast iron for corrosion resistance and are for high head applications and are suitable for pumping from rivers, tanks and dams, irrigation and lawn watering applications. Self priming deep well jet pump with superior suction capacity.



Part Number	Item Code	kW	HP	Volts	Max Head (m)	Max Flow (lpm)	Ports	List
Cast Iron Multi-Stage								
DAB-DP151M*	701508	1.1	1.5	240	60	58	1¼" BSPF In, 1" BSPF Out	\$1,199
DAB-DP251M*	701510	1.85	2.5		70	72		\$1,299
Cast Iron (PRESSURE SWITCH SYSTEMS)								
DAB-DP151MP*	701509	1.1	1.5	240	60	58	1¼" BSPF In	\$1,349
DAB-DP251MP*	701511	1.85	2.5		70	72	1" BSPF Out	\$1,449

*Add Deep Well Injector Kit Price

DIMENSIONAL DRAWINGS:



MODEL	A	B	C	E	F	G	I Ø	H	H1	DNA GAS	DNM GAS	PACKING DIMENSIONS			VOLUME (MC)	GROSS WEIGHT Kg
												L	W	H		
DAB-151	558	210	221	350	20	145	11	255	158	1¼"	1"	612	248	279	0.042	31
DAB-251 M	632									1¼" G	1" G	657			0.045	35
DAB-251 T	558									1¼" G	1" G	612			0.042	31

Deep Well Injector Kits

Part Number	Item Code	Injector Kit	Pipes the kit suits	List
DAB-E20KIT*	701516	E20	1" and 1-¼"	\$569
DAB-E25KIT*	701517	E25		\$569
DAB-E30KIT*	701518	E30		\$569

*Add to DAB-DP151M & DAB-DP251M





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 701516	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 701517	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 701518	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 701516	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 701517	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 701518	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"



K SERIES MANUAL CENTRIFUGAL PUMPS



DAB Single & Twin Impeller

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

CONTROLLER RECOMMENDATIONS:

nXt Controller applicable for 240V only



nXt



nXt Pro



Twin Impeller



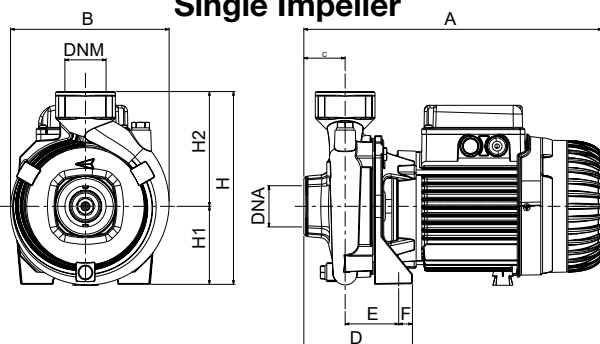
Single Impeller

Part Number	Item Code	kW	HP	Volts	Max Head (m)	Max Flow (lpm)	Ports	List
Single Impeller								
DAB-K20-41M	701618	0.37	0.5	240	21	100	1" BSPF In, 1" BSPF Out	\$579
DAB-K30-70M	701623	0.75	1.0		32	120	1" BSPF In, 1" BSPF Out	\$749
DAB-K30-100M	701621	1.1	1.5		29	180	1½" BSPF In, 1" BSPF Out	\$1,149
DAB-K36-100M	701625	1.85	2.5		35			\$1,299
DAB-K12-200M	701613	0.75	1.0	415	18	300	1½" BSPF In, 1½" BSPF Out	\$849
DAB-K12-200T	701614				18		1½" BSPF In, 1½" BSPF Out	\$799
DAB-K55-200T	701633	4.0	5.5		54	2" BSPF In, 1¼" BSPF Out	\$2,279	
DAB-K14-400M	701615	1.85	2.5		19	600	2" BSPF In, 2" BSPF Out	\$1,449
DAB-K14-400T	701616	1.85	2.5		19		2" BSPF In, 2" BSPF Out	\$1,399
DAB-K28-500T	701620	4.0	5.5		35	650	2½" BSPF In, 2" BSPF Out	\$2,499
Twin Impeller								
DAB-K35-40M	701624	0.75	1.0	240	44	80	1" BSPF In, 1" BSPF Out	\$849
DAB-K45-50M	701628	1.1	1.5	415	51	100	1¼" BSPF In, 1" BSPF Out	\$1,149
DAB-K45-50T	701629		1.5	415	51			\$1,399
DAB-K55-50M	701634	1.85	2.5	240	62	160	1½" BSPF In, 1" BSPF Out	\$1,599
DAB-K55-50T	701635		2.5	415	73			\$1,449
DAB-K66-100T	701636	3.0	4.0	415	73	160	1½" BSPF In, 1" BSPF Out	\$2,599
DAB-K90-100T	701638	4.0	5.5		84			\$2,699
DAB-K80-300T	701637	7.5	10.0		95	400	2" BSPF In, 1¼" BSPF Out	\$5,599

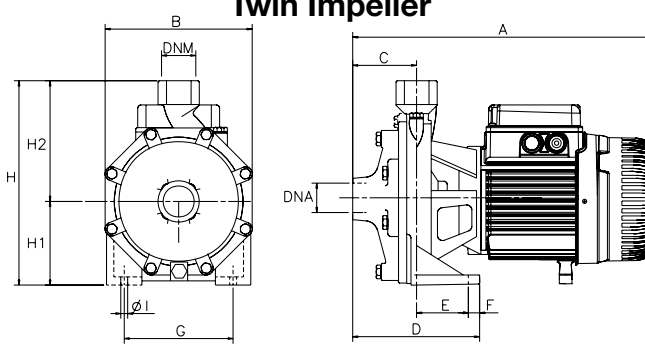
Not all models in stock

DIMENSIONAL DRAWING:

Single Impeller



Twin Impeller

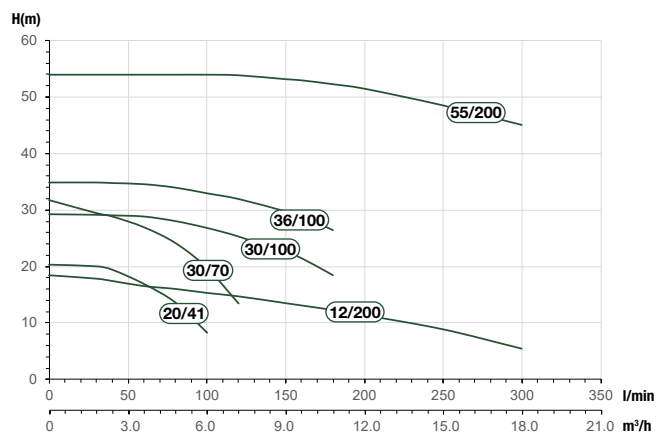
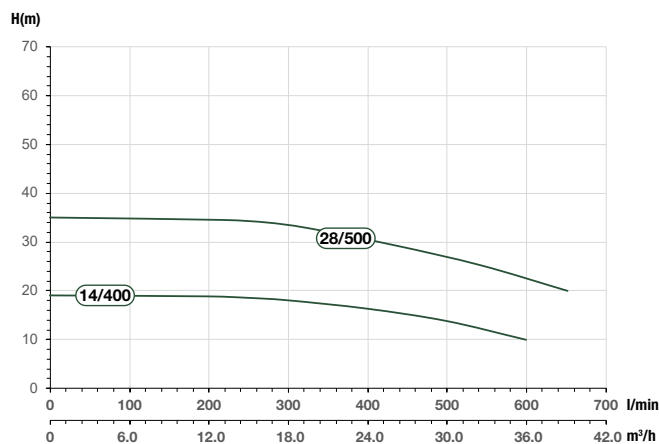


MODEL	A	B	C	D	E	F	G	I Ø	H	H1	H2	DNA GAS	DNM GAS	PACKING DIMENSIONS			VOLUME (M³)	WEIGHT Kg
														L	W	H		
Single Impeller																		
DAB-K20-41M	275	160	50	100	50	15	110	9	205	85	120	1"	1"	332	202	257	0.024	10
DAB-K30-70M	330	185	50	108	58	15	140		235	100	135			386	226	272		13.9
DAB-K30-100M	333	200	50	114	64	185			15	255	105	150		427	246	307		0.032
DAB-K36-100M	333	200	50	114	64	15	1½"			392	232	280		0.026	13.7			
DAB-K12-200M	325	173	45	118	58	15	110	9.5	218	85	125	1½"	2"	512	276	345	0.049	39
DAB-K12-200T	425	250	55	-	86	-	175	14	320	135	185			1¼"	512	276	345	0.049
DAB-K14-400M	430	200	62		74		120	11	270	105	165	2"		427	246	307	0.032	24.5
DAB-K14-400T	358		100		155		14	312	132	180	2½"			512	286	345	0.049	22
DAB-K28-500T	440												240	62	100	155	14	312
Twin Impeller																		
DAB-K35-40M	342	180	76	148	72	15	148	9.5	235	100	135	1"	1"	392	232	262	0.024	15.9
DAB-K45-50M	370	210	75	144	69	15	165	11.5	268	118	150	1¼"		415	234	295	0.028	23.3
DAB-K45-50T																		
DAB-K55-50M																		
DAB-K55-50T	450	256	88	160	72	18	200	14	312.5	140	172.5	1½"		500	274	333	0.032	27.2
DAB-K66-100T																		
DAB-K90-100T																		
DAB-K80-300T	595	270	122	182	60	20	210	14	340	160	180	2"	1¼"	680	330	480	0.106	78.5

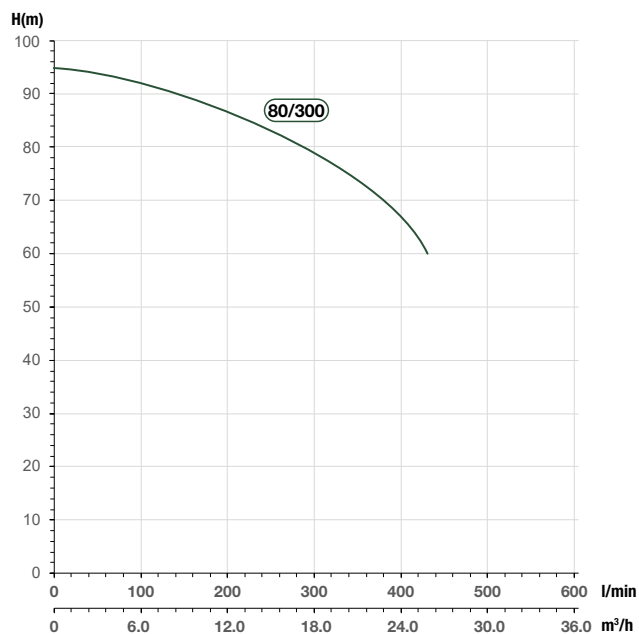
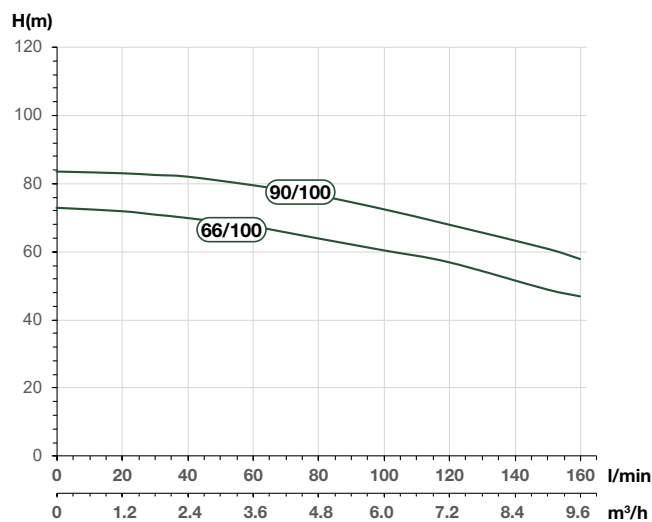
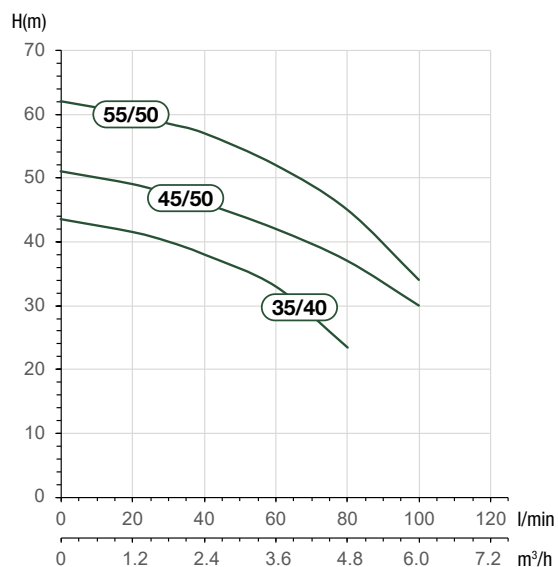


PERFORMANCE CURVES:

Single Stage Impeller Curves



Twin Stage Impeller Curves





PRESSURE SYSTEM SELECTION GUIDE (PUMP FITTED WITH TANK)



Thinking solutions.

TANK AND HOSE														
TANK MODEL	MP	DE8	DE18	DC25	HW25	DC50	HW60	DC80	HW80	DC100	DC140	DC200	DC300	DC400
TANK PRICE		\$99	\$139	\$219	\$249	\$399	\$499	\$549	\$549	\$599	\$929	\$1,299	\$1,529	\$1,949
HOSE KIT PRICE					\$149	\$149	\$149	\$149	\$149	\$149	\$149	\$149	\$149	\$149
TOTAL		\$99	\$139	\$219	\$398	\$548	\$648	\$698	\$698	\$748	\$1,078	\$1,448	\$1,678	\$2,098
PUMP FITTED WITH TANK														
TANK MODEL	MP	DE8	DE18	DC25	HW25	DC50	HW60	DC80	HW80	DC100	DC140	DC200	DC300	DC400
PUMP MODEL														
62MP	\$799	\$898	\$938	\$1,018	\$1,197	\$1,347	\$1,447	\$1,497	\$1,497	\$1,547	\$1,877	\$2,247	\$2,477	\$2,897
82MP	\$849	\$948	\$988	\$1,068	\$1,247	\$1,397	\$1,497	\$1,547	\$1,547	\$1,597	\$1,927	\$2,297	\$2,527	\$2,947
102MP	\$999	\$1,098	\$1,138	\$1,218	\$1,397	\$1,547	\$1,647	\$1,697	\$1,697	\$1,747	\$2,077	\$2,447	\$2,677	\$3,097
132MP	\$1,049	\$1,148	\$1,188	\$1,268	\$1,447	\$1,597	\$1,697	\$1,747	\$1,747	\$1,797	\$2,127	\$2,497	\$2,727	\$3,147
JINOX62MP	\$699	\$798	\$838	\$918	\$1,097	\$1,247	\$1,347	\$1,397	\$1,397	\$1,447	\$1,777	\$2,147	\$2,377	\$2,797
JINOX82MP	\$799	\$898	\$938	\$1,018	\$1,197	\$1,347	\$1,447	\$1,497	\$1,497	\$1,547	\$1,877	\$2,247	\$2,477	\$2,897
JINOX102MP	\$869	\$968	\$1,008	\$1,088	\$1,267	\$1,417	\$1,517	\$1,567	\$1,567	\$1,617	\$1,947	\$2,317	\$2,547	\$2,967
JINOX112MP	\$929	\$1,028	\$1,068	\$1,148	\$1,327	\$1,477	\$1,577	\$1,627	\$1,627	\$1,677	\$2,007	\$2,377	\$2,607	\$3,027
JINOX132MP	\$949	\$1,048	\$1,088	\$1,168	\$1,347	\$1,497	\$1,597	\$1,647	\$1,647	\$1,697	\$2,027	\$2,397	\$2,627	\$3,047
EUROINOX30/50MP	\$1,299	\$1,398	\$1,438	\$1,518	\$1,697	\$1,847	\$1,947	\$1,997	\$1,997	\$2,047	\$2,377	\$2,747	\$2,977	\$3,397
EUROINOX40/50MP	\$1,449	\$1,548	\$1,588	\$1,668	\$1,847	\$1,997	\$2,097	\$2,147	\$2,147	\$2,197	\$2,527	\$2,897	\$3,127	\$3,547
EUROINOX40/80MP	\$1,499	\$1,598	\$1,638	\$1,718	\$1,897	\$2,047	\$2,147	\$2,197	\$2,197	\$2,247	\$2,577	\$2,947	\$3,177	\$3,597
151MP	\$1,499	\$1,598	\$1,638	\$1,718	\$1,897	\$2,047	\$2,147	\$2,197	\$2,197	\$2,247	\$2,577	\$2,947	\$3,177	\$3,597
151TP	\$1,799	\$1,898	\$1,938	\$2,018	\$2,197	\$2,347	\$2,447	\$2,497	\$2,497	\$2,547	\$2,877	\$3,247	\$3,477	\$3,897
200MP	\$1,499	\$1,598	\$1,638	\$1,718	\$1,897	\$2,047	\$2,147	\$2,197	\$2,197	\$2,247	\$2,577	\$2,947	\$3,177	\$3,597
251MP	\$1,599	\$1,698	\$1,738	\$1,818	\$1,997	\$2,147	\$2,247	\$2,297	\$2,297	\$2,347	\$2,677	\$3,047	\$3,277	\$3,697
300MP	\$1,599	\$1,698	\$1,738	\$1,818	\$1,997	\$2,147	\$2,247	\$2,297	\$2,297	\$2,347	\$2,677	\$3,047	\$3,277	\$3,697
DP151MP	\$1,349	\$1,448	\$1,488	\$1,568	\$1,747	\$1,897	\$1,997	\$2,047	\$2,047	\$2,097	\$2,427	\$2,797	\$3,027	\$3,447
DP251MP	\$1,449	\$1,548	\$1,588	\$1,668	\$1,847	\$1,997	\$2,097	\$2,147	\$2,147	\$2,197	\$2,527	\$2,897	\$3,127	\$3,547





CENTRIFUGAL PUMPS

**BIANCO
PUMPZ**


Bianco Horizontal Single Stage Cast Iron Pumps

Applications:

Suitable for industrial washdown, water transfer and tank filling, HVAC, circulation and pressure boosting.

Special Features:

- Cataphoresis¹ treatment of pump body for rust prevention.
- Stainless steel impellers.
- Quiet and reliable operation
- High Performance
- Water temperature up to 85°C
- Corrosion resistant

Controller Options Available separately:

nXt Controller applicable for 240V only

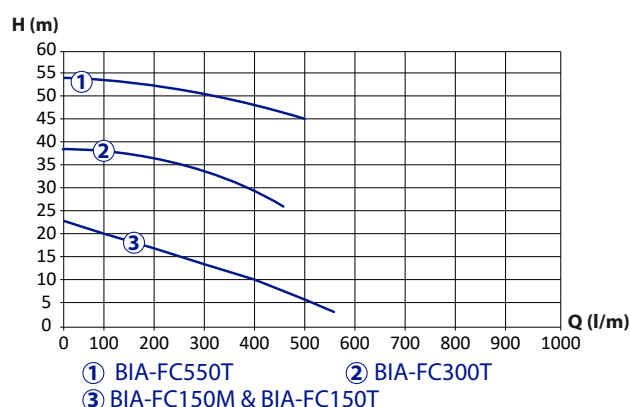
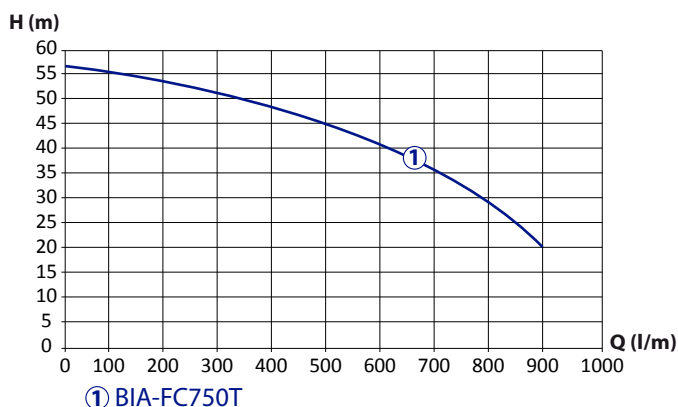
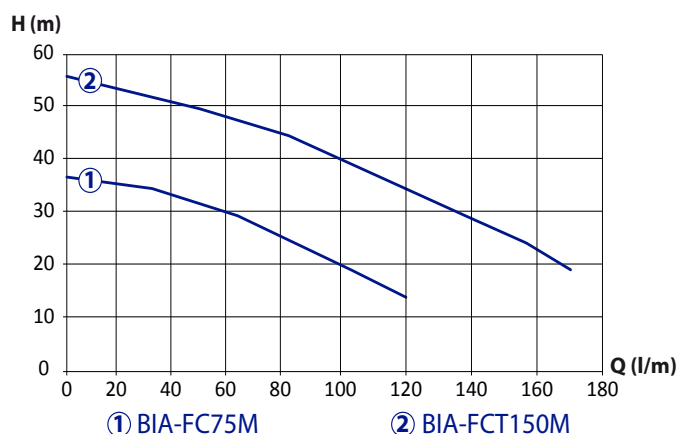


nXt



nXt Pro

PERFORMANCE CURVES:



Part Number	Item Code	kW	hp	Volts	Max Head	Max Flow	Ports	List
BIA-FC75M	802805	0.75	1.0	240	37	119	1" BSPF In, 1" BSPF Out	\$529
BIA-FC150M	802806	1.5	2.0		22.5	559	2" BSPF In, 2" BSPF Out	\$949
BIA-FCT150M*	802816				56	170	1½" BSPF In, 1" BSPF Out	\$999
BIA-FC300T	802808	3.0	4.0	415	38	450	2" BSPF In, 2" BSPF Out	\$1,499
BIA-FC550T	802809	5.5	7.5		54	500	2" BSPF In, 2" BSPF Out	\$2,449
BIA-FC750T	802810	7.5	10		56	900	2" BSPF In, 2" BSPF Out	\$2,799

*Twin impeller model

¹Cataphoresis is an electrochemical coating process for metallic surfaces widely used in the industry due to its penetration and long-life, either as a priming coat or finished paint for corrosion resistance.

CENTRIFUGAL PUMPS

**BIANCO
PUMPZ**

BIANCO
2
YEAR PUMP WARRANTY

Bianco Close Coupled Stainless Steel Motor Pump Units

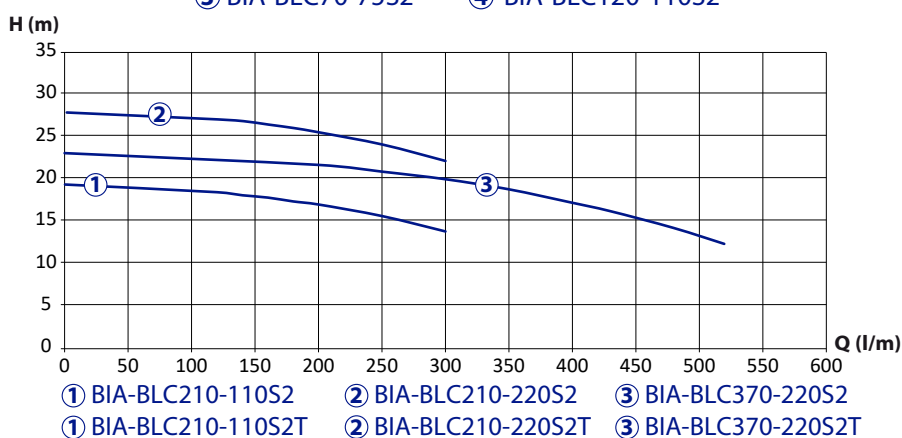
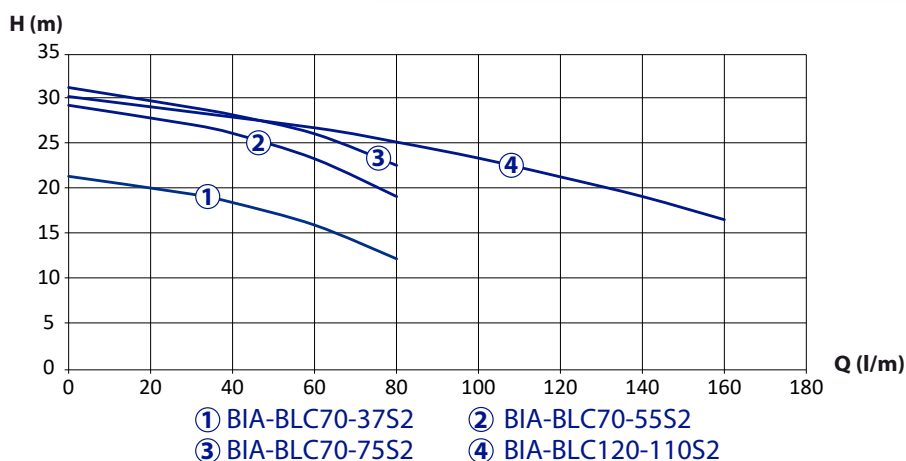
Suitable for water circulation, car washing, tank emptying, gardening, fountains, irrigation and vat washing.

Special Features:

- Quiet and reliable operation
- High Performance
- Water temperature up to 85°C
- Constructed from AISI 304 Stainless Steel
- Corrosion resistant



PERFORMANCE CURVES:



Part Number	Item Code	kW	Hp	Volts	Head	Flow	Inlet	Outlet	List	
BIA-BLC70-37S2	808700	0.37	0.5	240	20.9	80	1 ¼" BSPF in	1" BSPF out	\$449	
BIA-BLC70-55S2	802812	0.55	0.75		29.5				\$479	
BIA-BLC70-75S2	808403	0.75	1.0		30.4				\$529	
BIA-BLC120-110S2	802813	1.1	1.5		30.2	160			\$579	
BIA-BLC210-110S2	808404			415	19.7	300	1 ½" BSPF in	1 ¼" BSPF out	\$659	
BIA-BLC210-110S2T	808405				27.5				\$662	
BIA-BLC210-220S2	808406				240				27.5	\$749
BIA-BLC210-220S2T	802814	415	\$799							
BIA-BLC370-220S2	808407	240		23.1	520	2" BSPF in	\$879			
BIA-BLC370-220S2T	808437	415								

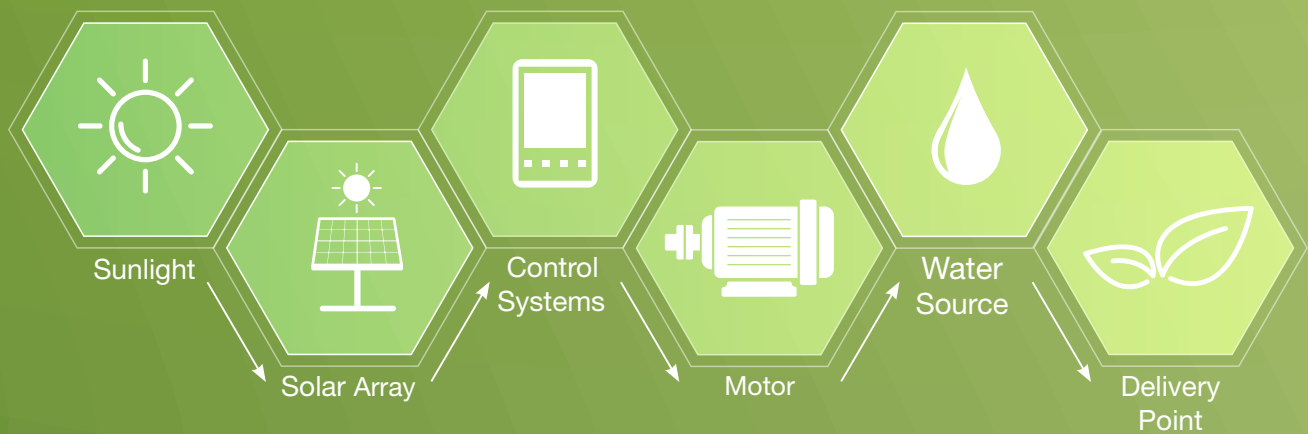


SOLAR & BOREHOLE

iSOLAR

SOLAR ENERGY IS A **RENEWABLE,** **VAST AND CLEAN** RESOURCE

A typical solar pumping system consists of the following: A solar array to convert sunlight to electricity, a controller to manage the power from the array to the motor which rotates the pump to move the water to where you need it most.



iSOLAR 3" POSITIVE DISPLACEMENT PUMP SERIES

NEW

The 3" Helical Rotor iSOLAR PDP3 range provides a 'plug and play' kitset solution that requires only moderate DIY skills to install.

Ground water supply – supplying water from wells or reservoirs, ideal for farm, small waterworks. Ideal for windmill replacements.

The addition of a Positive Displacement Pump exploits the versatility of the motor's operating range to deliver water even when solar conditions are less than optimum.

The iSOLAR 3" PDP can be installed down a bore, in a tank or fitted to a pontoon to supply from an open body of water.



Energy Efficient

iSOLAR



3" HELICAL SOLAR PUMP COMPLETE SOLUTION KIT:

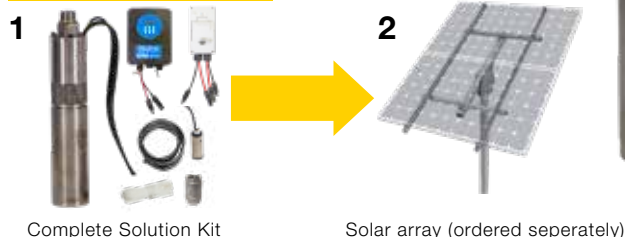
Kit includes:

- 3" iCON Solar Motor with 30 meters power cable with 4 pin plug
- 3" iCON Positive Displacement Pump
- iCON PDP3 Solar Controller (Plug-n-play)
- Float/Level Switch with 30 meters cable
- Nylon Safety Rope - 30 meters
- Non-return Valve
- Plug-n-play DC Isolator

Optional add-ons:

- Solar panels
- Solar post mount kit (1 to 4 panel kits)
- Bore accessories

ORDERING STEPS



Complete Solution Kit

Solar array (ordered separately)

*Images are for illustration purposes only.
Actual product may vary.

MODELS AVAILABLE

Part Number	Item Code	Motor (kW)	Max Head (m)	Max Flow (lpm)	Controller (V)	Solar Array	Vmp (V)	Max VOC (V)	Max Amps	List
BIA-PDP3-SOLAR250	808691	0.25	60	25	24	1 x 300W	18-40	48	15	\$3,249
BIA-PDP3-SOLAR370	808692	0.37	80		48	2 x 300W in series	40-76	96		\$3,449
BIA-PDP3-SOLAR750	808694	0.75	140		96	4 x 300W in series	80-140	180		\$4,149

ACCESSORIES

Part Number	Item Code	Description	List
BIA-RA-PRESSURE-SWITCH-LOW	809863	Reverse acting pressure switch low (15 - 80 PSI) (1.0 - 5.5 Bar)	\$50
BIA-RA-PRESSURE-SWITCH-HIGH	809864	Reverse acting pressure switch high (35 - 150 PSI) (2.4 - 10.3 Bar)	\$50

WINDMILL REPLACEMENT MARKET

- Solar Pumps are low maintenance, easy to install, have little to no recurring costs and virtually operate themselves requiring only sunlight to pump water.
- Windmills often require maintenance, repair and replacement of parts which is often expensive and labor intensive. Furthermore, if there is no wind there is no water.
- A solar pump will be in use whenever there is sunlight, even on overcast and cloudy days.

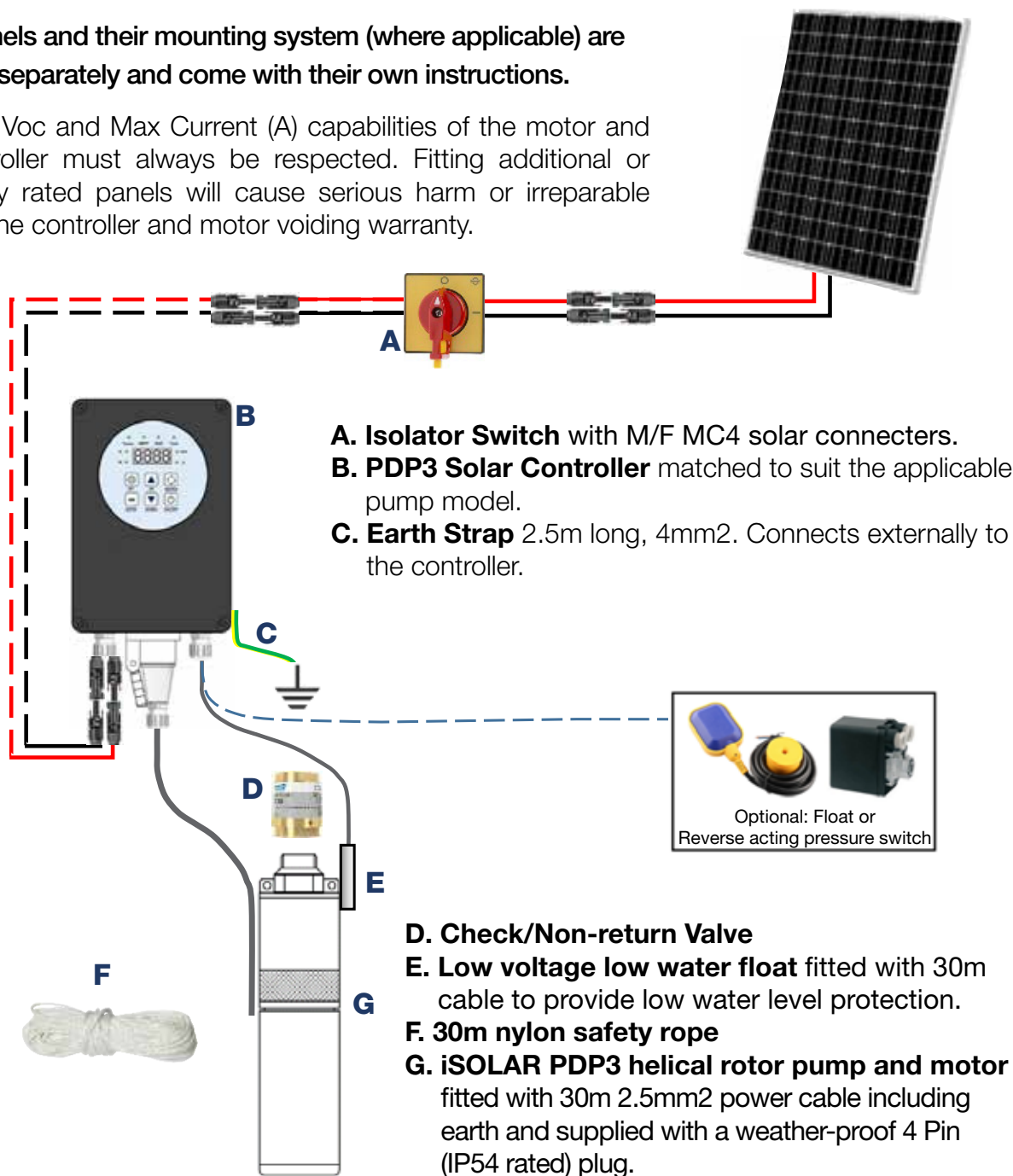




3" PDP SERIES - INSTALLATION GUIDE

Solar Panels and their mounting system (where applicable) are supplied separately and come with their own instructions.

The Max Voc and Max Current (A) capabilities of the motor and the controller must always be respected. Fitting additional or incorrectly rated panels will cause serious harm or irreparable harm to the controller and motor voiding warranty.



Maximum Pump Submergence is 100m

For Cable Selection refer to iSOLAR Selector



WEB SELECTOR
isolarselector.whiteint.com.au

iSOLAR 4" POSITIVE DISPLACEMENT PUMP SERIES

NEW

The 4" Helical Rotor iSOLAR PDP4 range increases the scope and flexibility of the iSOLAR product suite employing the same proven, highly efficient and innovative iSOLAR M220HR motor.

The addition of a Positive Displacement Pump exploits the versatility of the motor's operating range to deliver water even when solar conditions are less than optimum.

The iSOLAR 4" PDP can be installed down a bore, in a tank or fitted to a pontoon to supply from an open body of water.

Degree of protection: IP68

4" HELICAL SOLAR PUMP COMPLETE SOLUTION KIT:

Kit includes:

- 4" iCON Solar Motor with 3 meters power cable
- 4" iCON Positive Displacement Pump
- Low-level float switch with 30 meters cable
- Nylon Safety Rope - 30 meters
- Built-in NRV
- Plug-n-play DC Isolator

You will need:

- V3 controller / Pro controller (plug-n-play)

Optional add-ons:

- Solar panels
- Solar array mount (1 - 10 panel kits)
- Bore accessories



iSOLAR



*Images are for illustration purposes only. Actual product may vary.

ORDERING STEPS



MODELS AVAILABLE

Part Number	Item Code	Motor (kW)	Rated Motor Speed (rpm)	Max Head (m)	Max Flow (lpm)	Min Fluid Temp (°C)	Max Fluid Temp (°C)	DC Voltage & Current			AC Voltage & Current		List
								Vmpp	Voc	Amps (A)	Volts (V)	Amps (A)	
BIA PDP4-SOLAR900	808695	2.2	3600	300	11.5	10	40	60-380	60-440	12	90-280	10	\$4,149
BIA PDP4-SOLAR1200	808696			200	25								\$4,299
BIA PDP4-SOLAR1500	808697			140	46								\$4,449

CONTROLLER OPTIONS

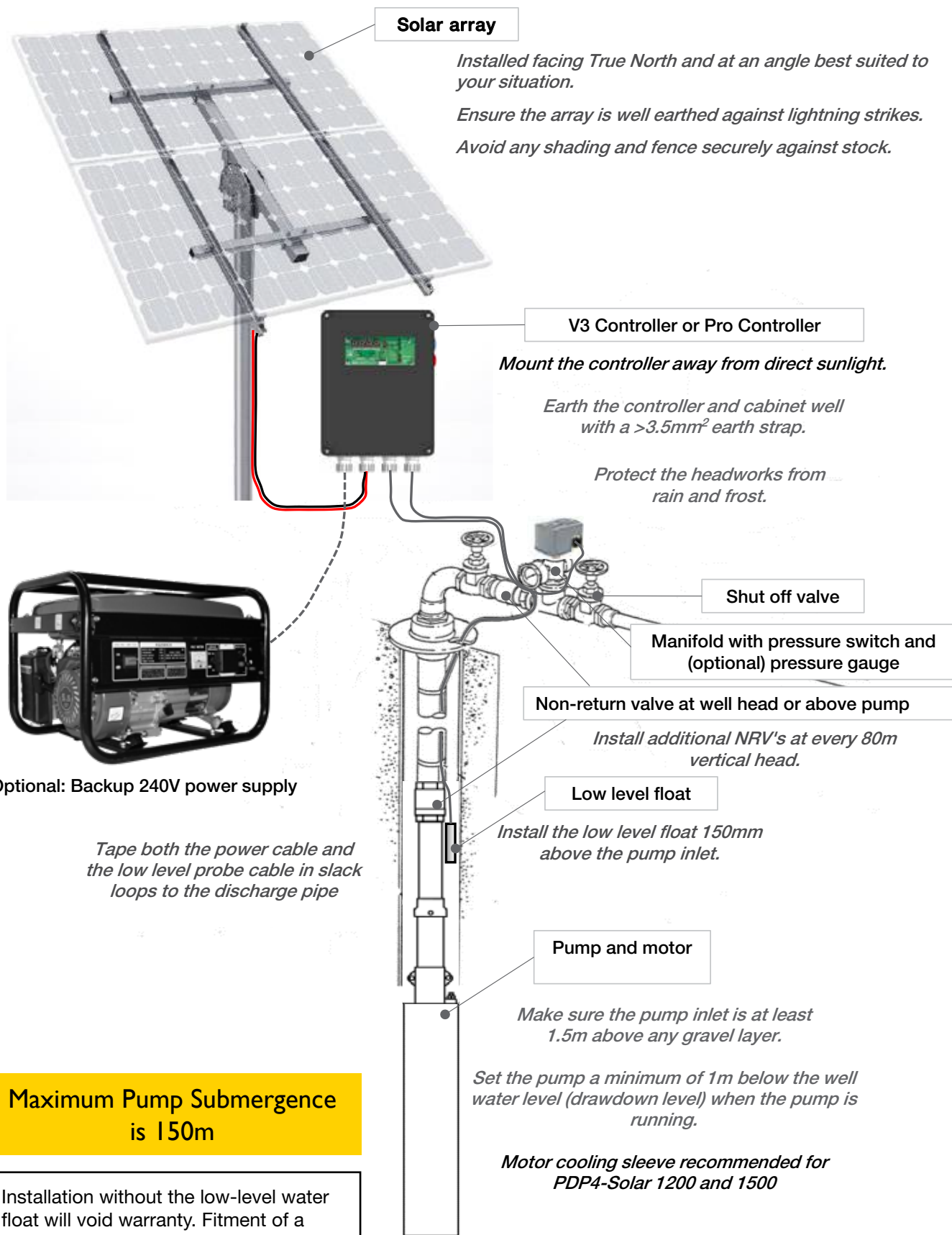
Part Number	Item Code	Description	List
BIA-SOLCONTV3-JKIT	809445	iCON SOLAR Motor V3 Controller with JKIT	\$410
BIA-SOLCONTPRO-JKIT	809446	iCON SOLAR Motor Pro Controller with JKIT	\$1,049

ACCESSORIES

Part Number	Item Code	Description	List
DAB-SBC-SS-V2	807997	Bore Cap 1-1/2" and 2" 304 Stainless Steel	\$299
DAB-SDC3G4	805894	Electrical Drop Cable 4.0mm 2 core + earth (per meter)	\$20
DAB-SSR	702722	Synthetic Cable Rope per metre	\$5
WHI-JKIT	701610	Splice Kit for 1.5 - 6mm Cable	\$85
DAB-SA10032	805677	Shroud Adaptor 100mm x 32mm	\$125
DAB-SA10050	805678	Shroud Adaptor 100mm x 50mm	\$125
DAB-F2002000	805679	Pontoon Float 200mm x 2000mm, loads up to 29kg	\$1,449
DAB-6BARPS	701440	Telemecanique Pressure Switch 6 BAR	\$79
DAB-12BARPS	701380	Telemecanique Pressure Switch 12 BAR	\$89
DAB-3WT	701423	Three Way Tee 1"x1"x1" Bronze	\$40
DAB-5WT	701431	Five Way Tee 1/4"x1/4"x1"x1"x1" Bronze	\$55
DAB-NRV25FM	701758	Check Valve 1" Bronze F/M	\$90
DAB-NRV25MF	701759	Check Valve 1" Bronze M/F	\$91



4" PDP SERIES - INSTALLATION GUIDE

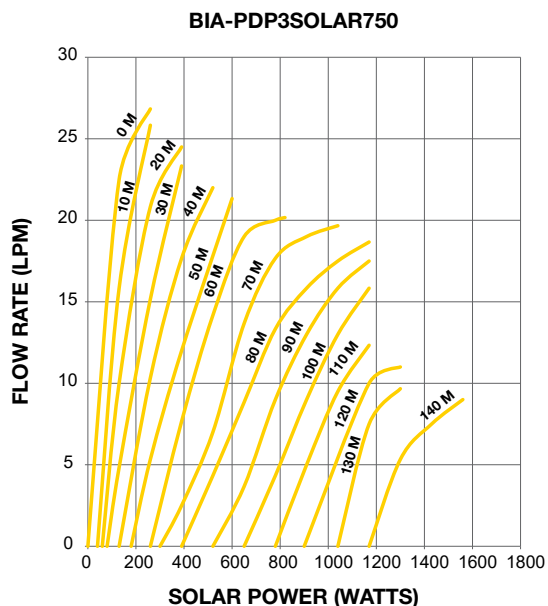
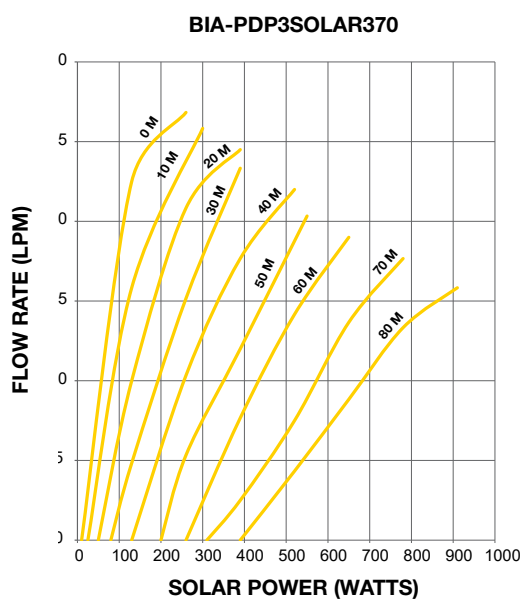
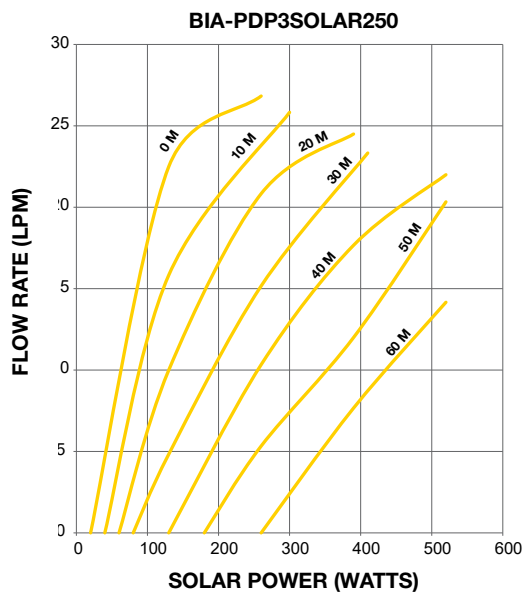


**Maximum Pump Submergence
is 150m**

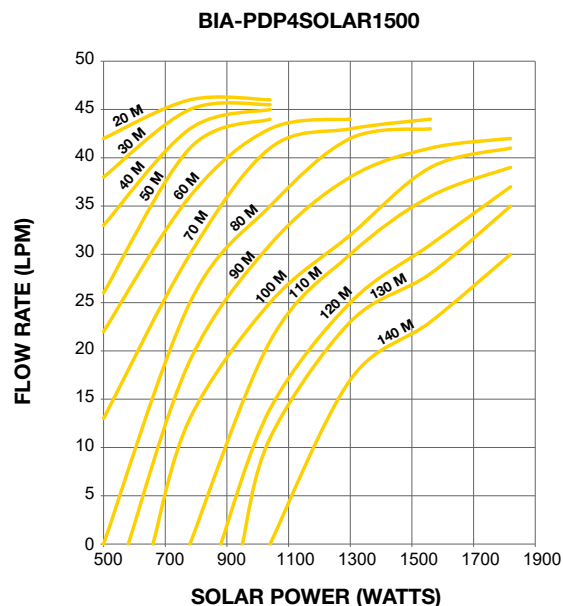
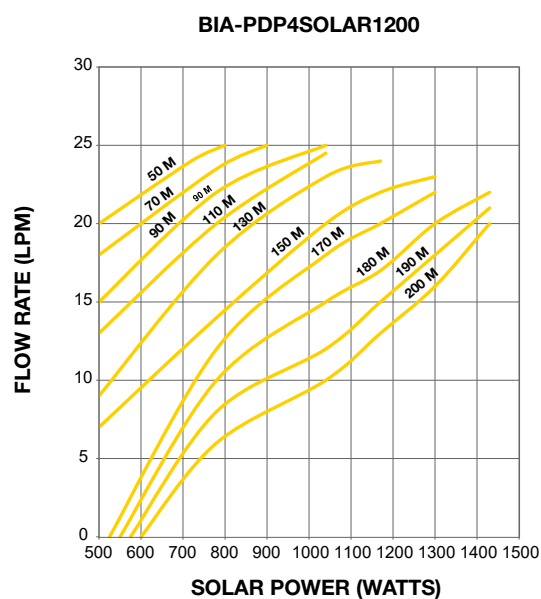
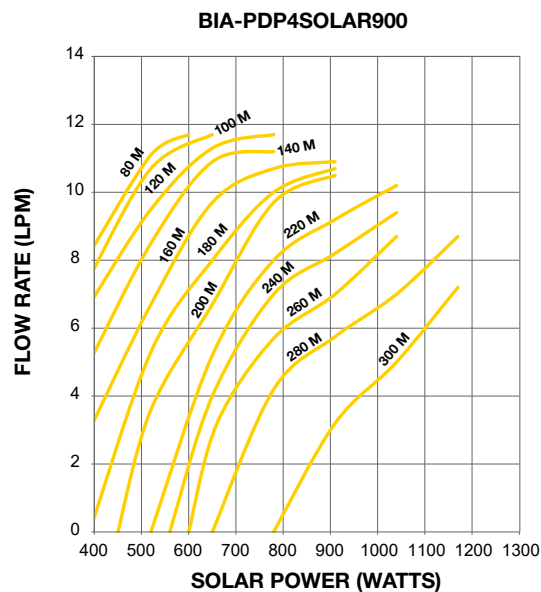
Installation without the low-level water float will void warranty. Fitment of a pressure switch or destination float level is strongly recommended

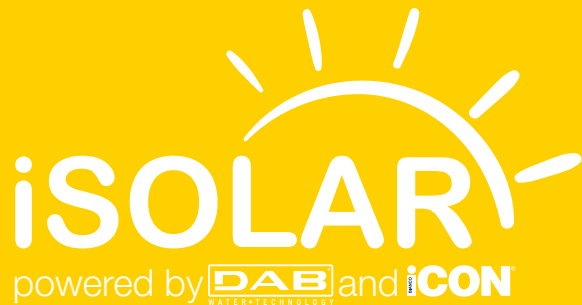
PDP SERIES - PERFORMANCE CURVES

3" PDP PUMPS



4" PDP PUMPS





INTRODUCING... **S4** **PLUS**

Solar energy is a renewable, vast and clean resource. The iSOLAR system powered by DAB & Bianco iCON, harvests sunlight or solar energy and in turn powers a bore pump. Solar powered pumping systems are a cost-effective alternative to other fuel-powered solutions where power is not readily available and are ideal for remote areas where water supply is limited. Pumping water using the iSOLAR technology is simple, reliable and requires less maintenance.

Features

- Revolutionary BLDC (Brushless Direct Current Motor) design.
- Bianco iCON iSolar motor powers the new DAB system for the supply of ground water based on the most widely available renewable energy, the sun.
- 4" inch diameter DAB Borehole pumps available to suit the majority of bore sizes.
- Flows from 5 lpm - 365 lpm
- Heads from 10m - 240m
- DAB Borehole pumps have technopolymer impellers and unique abrasion resistant rings to tolerate sand up to 150gram/1000 litres of water - the best in its class!
- All iSOLAR system configurations utilise the Bianco iCON controller with multiple control inputs and power supplies (AC/DC) for an integrated and fully automated pumping system.
- The permanent-magnet motor technology assures a highly efficient system and requires a smaller number of photovoltaic panels to operate.
- Designed for easy installation and requires little to no maintenance.
- The system ensures a continuous supply of water even with varying solar irradiation. This is achieved by the combination of a DAB S4 PLUS Series 4" Submersible Pump and revolutionary iCON motor with built-in inverter technology.
- Combined with the iSOLAR Controller which enables automatic switching between DC and AC power (grid power or generator) you can be assured of a reliable water supply.

NEW S4 PLUS SERIES

iSOLAR



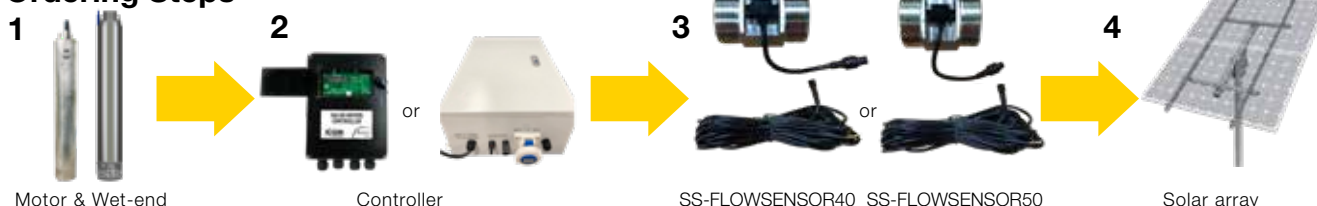
4" Solar Powered Pump Kits

The iCON solar motor powers the new DAB pumps for the supply of clear water based on the most widely available renewable energy, the sun.

The system is able to ensure a continuous drawing of water from underground, river/dam when the solar irradiation conditions vary. This is achieved by utilising the solar power supplied by a series of photovoltaic panels combined with the iCON solar motor with built-in inverter technology and the DAB S4 PLUS series 4" submersible pump. The permanent-magnet motor technology results in high system efficiency which results in a reduced number of photovoltaic panels needed to meet the required duty.

The iSOLAR system is designed for easy use. It is an ideal solution for supplying water in remote areas, where the normal power supply of electricity to the power grid is inconsistent or completely unavailable and is a good alternative to fuel powered solutions.

Ordering Steps



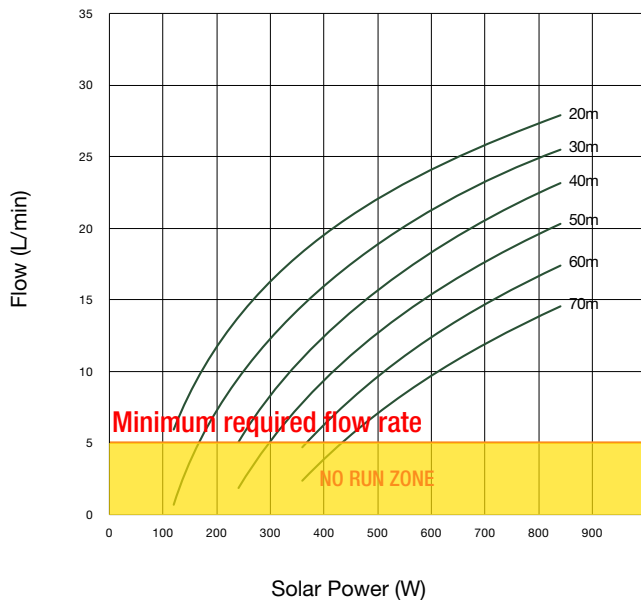
Part Number	Item Code	Max Head (m)	Max Flow (lpm)	Port	kW	List
DAB-S4-1/13SOL	809421	70	28	1 ¼" BSPF outlet	0.37	\$3,999
DAB-S4-1/19SOL	809422	90	26		0.55	\$4,149
DAB-S4-1/37SOLM110	809423	120	29		1.1	\$4,649
DAB-S4-1/37SOLM240	809424	220	24		1.1	\$4,649
DAB-S4-2/14SOL	809425	80	60		0.75	\$3,999
DAB-S4-2/20SOL	809426	120	56		1.1	\$4,299
DAB-S4-2/28SOLM110	809427	120	57		1.5	\$4,799
DAB-S4-2/28SOLM240	809428	160	43		1.5	\$4,799
DAB-S4-2/40SOL	809429	240	47		2.2	\$5,099
DAB-S4-3/13SOL	809430	70	82		0.75	\$3,999
DAB-S4-3/19SOL	809431	100	80		1.1	\$4,199
DAB-S4-3/25SOL	809432	120	83		1.5	\$4,349
DAB-S4-3/39SOLM110	809462	120	70		2.2	\$4,749
DAB-S4-3/39SOLM240	809433	200	53		2.2	\$4,749
DAB-S4-4/9SOL	809434	50	98		0.75	\$3,949
DAB-S4-4/14SOL	809435	80	98		1.1	\$4,049
DAB-S4-4/19SOL	809436	110	95		1.5	\$4,149
DAB-S4-4/27SOL	809437	140	84		2.2	\$4,349
DAB-S4-6/7SOL	809438	35	153		0.75	\$3,849
DAB-S4-6/14SOL	809439	70	150		1.5	\$4,299
DAB-S4-8/6SOL	809440	35	188	2" BSPF outlet	1.1	\$3,999
DAB-S4-8/8SOL	809441	45	185		1.5	\$4,149
DAB-S4-8/13SOL	809442	80	175		2.2	\$4,399
DAB-S4-12/8SOL	809443	40	247		1.5	\$3,949
DAB-S4-16/8SOL	809444	30	365		2.2	\$4,249
BIA-M110SOL	805891	iCON Solar Motor - 304L			1.1	\$2,749
BIA-M240SOL	805892				2.4	\$2,749
BIA-M110SOL-SS	807065	iCON Solar Motor - 316SS			1.1	\$2,881
BIA-M240SOL-SS	807066				2.4	\$2,881



PERFORMANCE CURVES

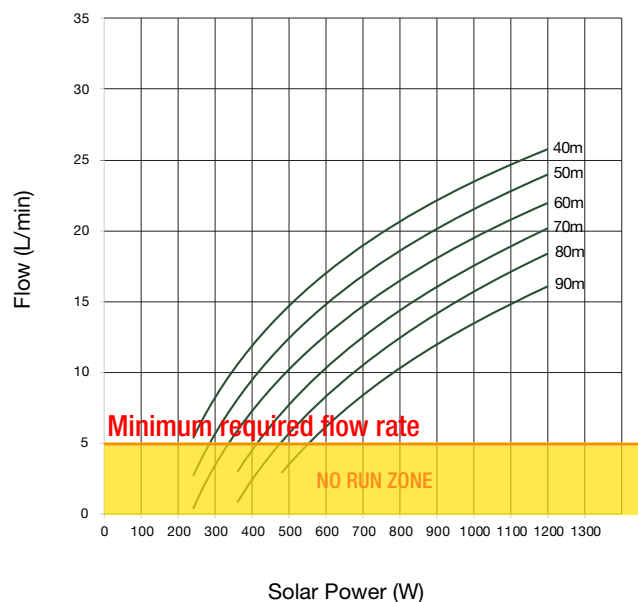
S4-1/13

Motor to use: M110SOL
Min Head: 20m
Max Head: 70m



S4-1/19

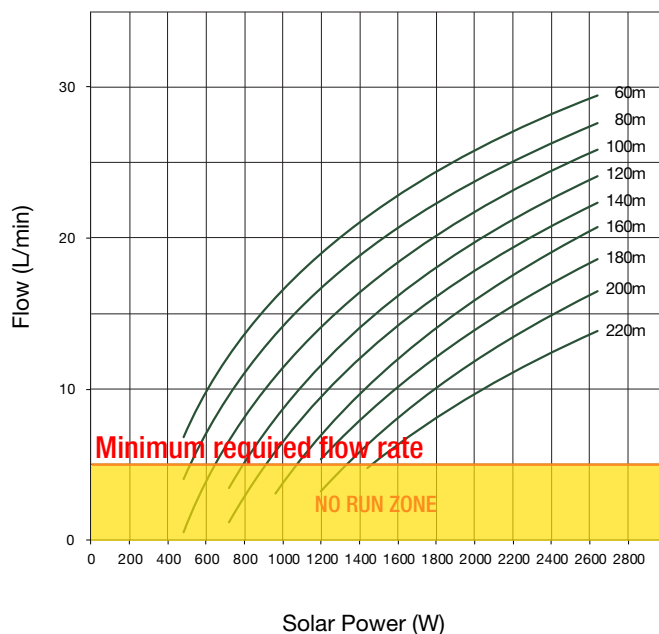
Motor to use: M110SOL
Min Head: 40m
Max Head: 90m



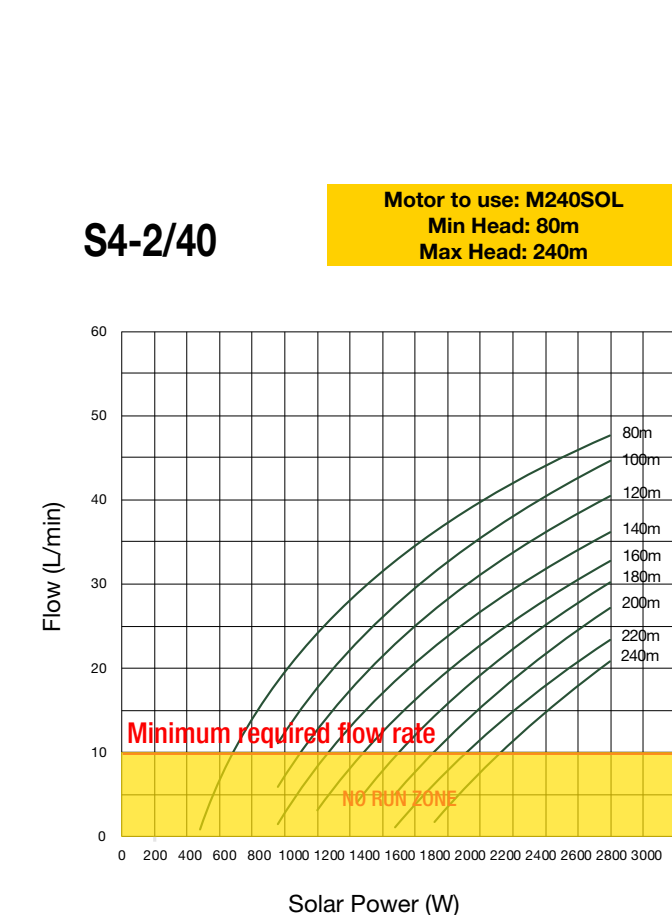
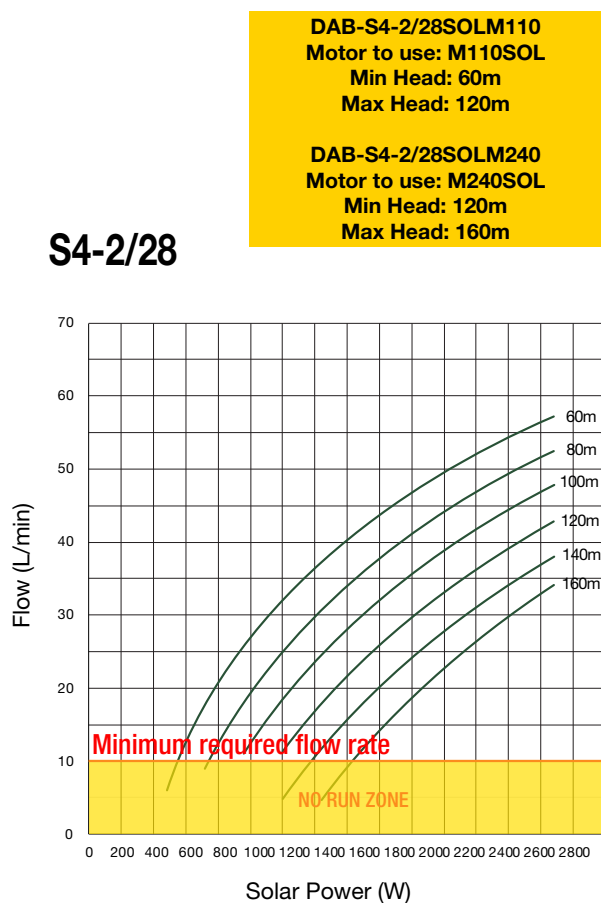
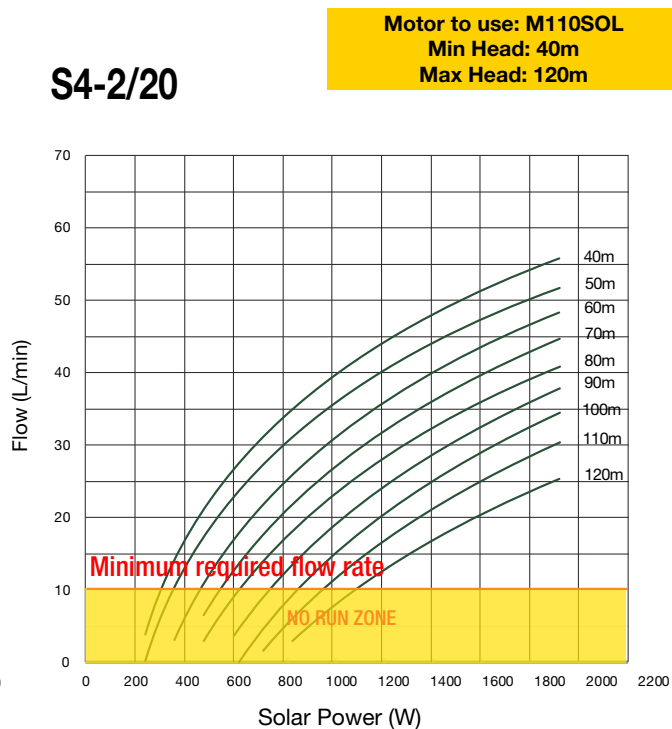
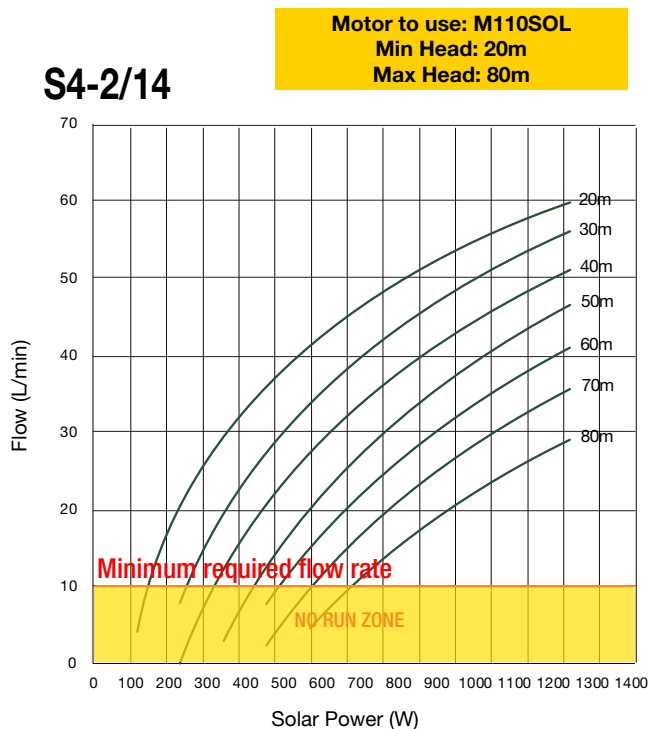
S4-1/37

DAB-S4-1/37SOLM110
Motor to use: M110SOL
Min Head: 60m
Max Head: 120m

DAB-S4-1/37SOLM240
Motor to use: M240SOL
Min Head: 120m
Max Head: 220m



PERFORMANCE CURVES



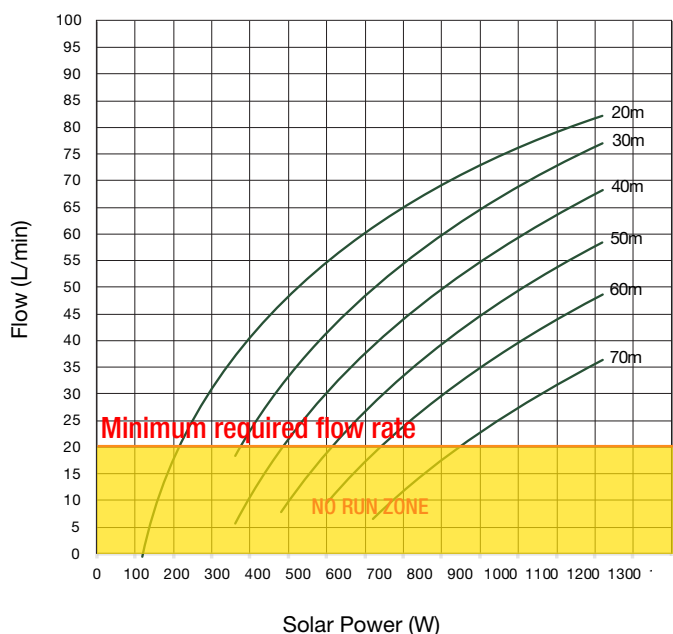


PERFORMANCE CURVES

SOLAR

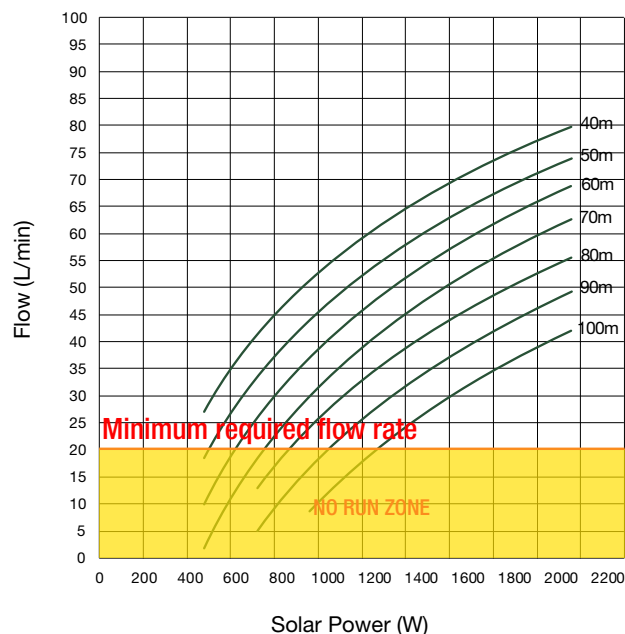
S4-3/13

Motor to use: M110SOL
Min Head: 20m
Max Head: 70m



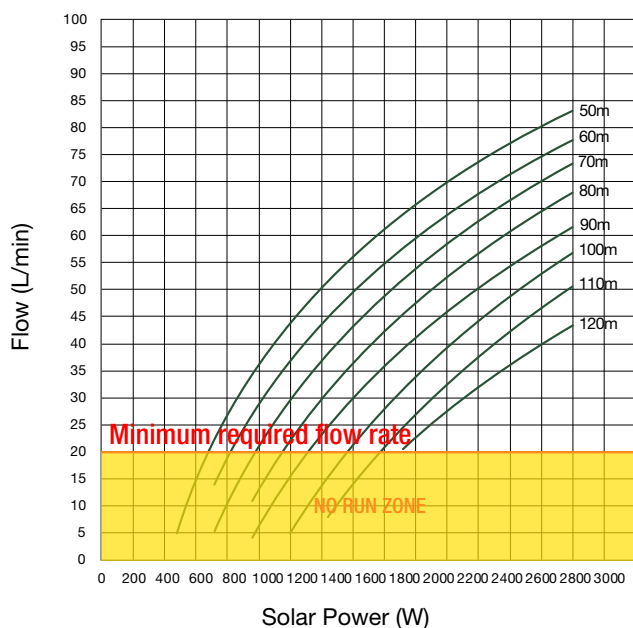
S4-3/19

Motor to use: M110SOL
Min Head: 40m
Max Head: 100m



S4-3/25

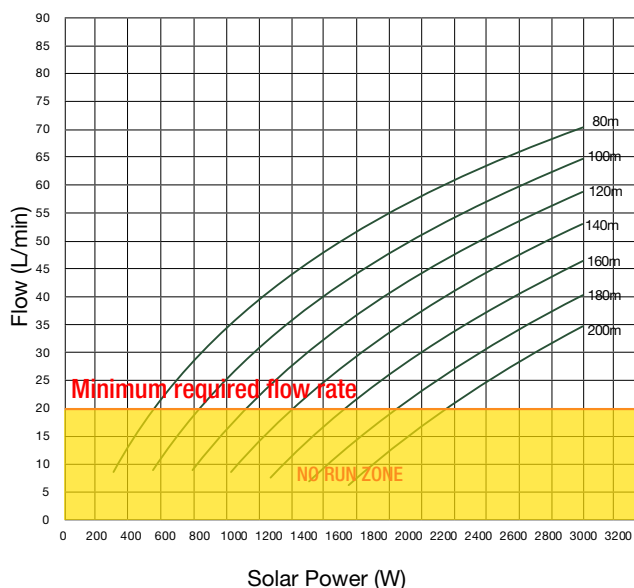
Motor to use: M110SOL
Min Head: 50m
Max Head: 120m



S4-3/39

DAB-S4-3/39SOLM110
Motor to use: M110SOL
Min Head: 80m
Max Head: 120m

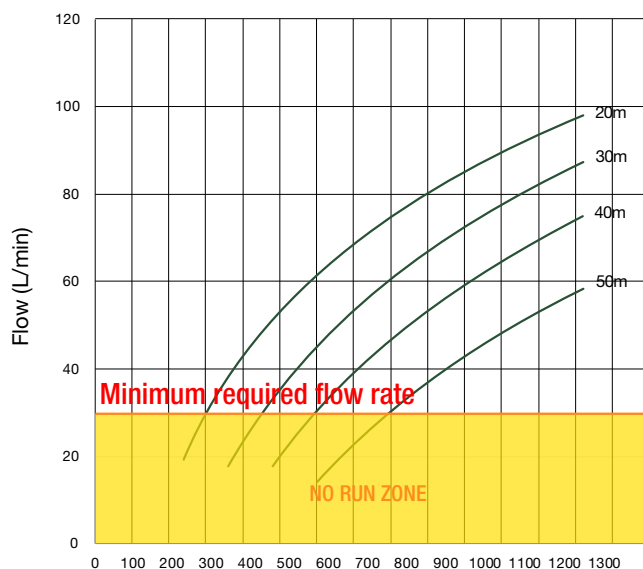
DAB-S4-3/39SOLM240
Motor to use: M240SOL
Min Head: 120m
Max Head: 200m



PERFORMANCE CURVES

S4-4/9

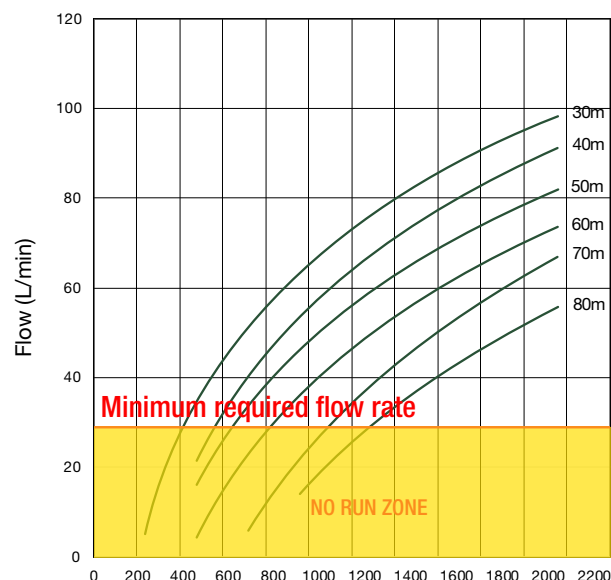
Motor to use: M110SOL
 Min Head: 20m
 Max Head: 50m



Solar Power (W)

S4-4/14

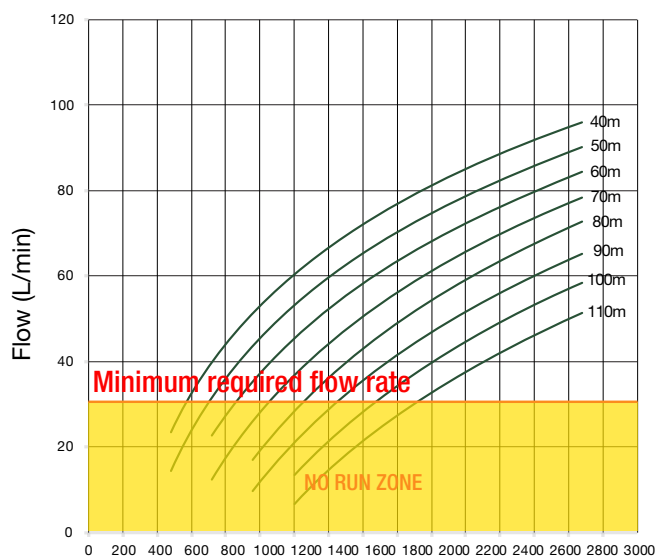
Motor to use: M110SOL
 Min Head: 30m
 Max Head: 80m



Solar Power (W)

S4-4/19

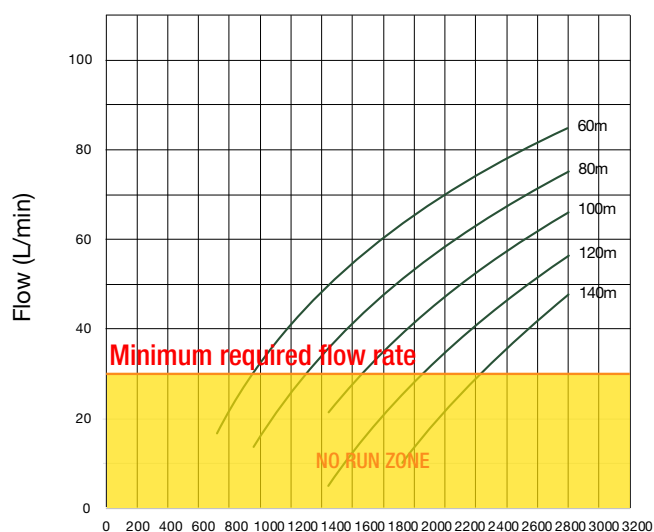
Motor to use: M110SOL
 Min Head: 40m
 Max Head: 110m



Solar Power (W)

S4-4/27

Motor to use: M240SOL
 Min Head: 60m
 Max Head: 140m



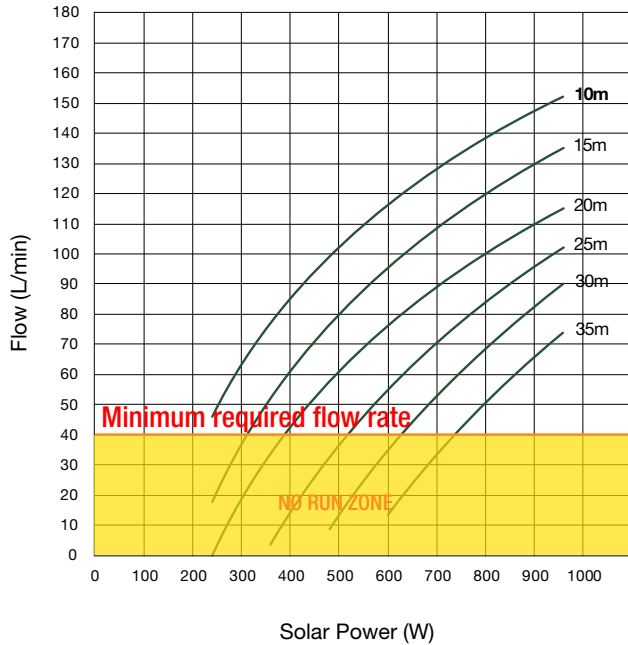
Solar Power (W)



PERFORMANCE CURVES

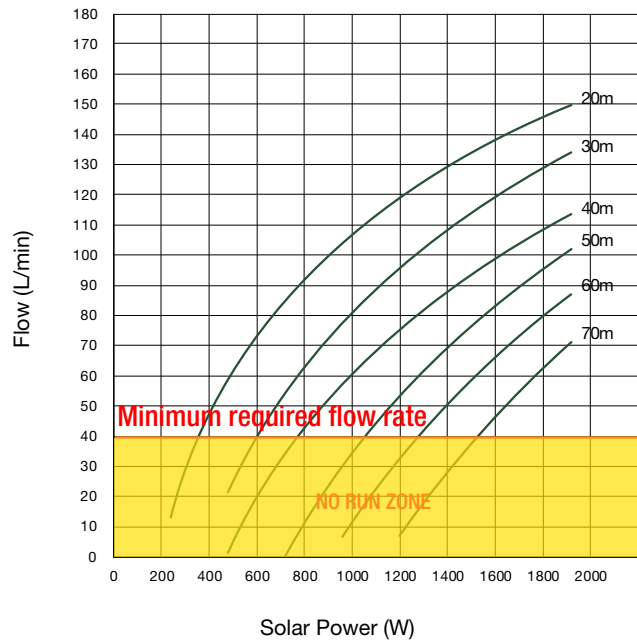
S4-6/7

Motor to use: M110SOL
Min Head: 10m
Max Head: 35m



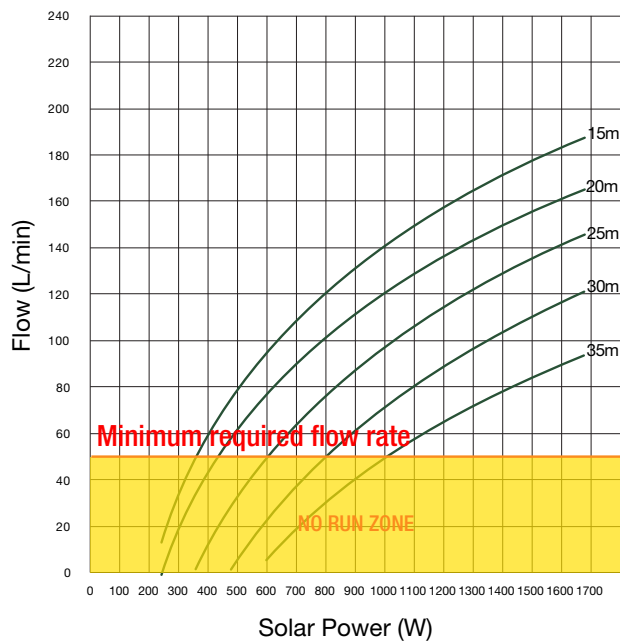
S4-6/14

Motor to use: M110SOL
Min Head: 20m
Max Head: 70m



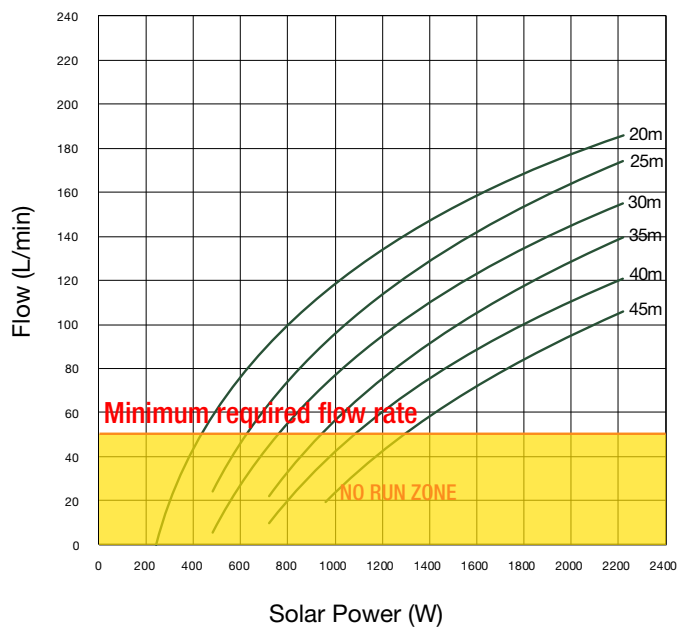
S4-8/6

Motor to use: M110SOL
Min Head: 15m
Max Head: 35m



S4-8/8

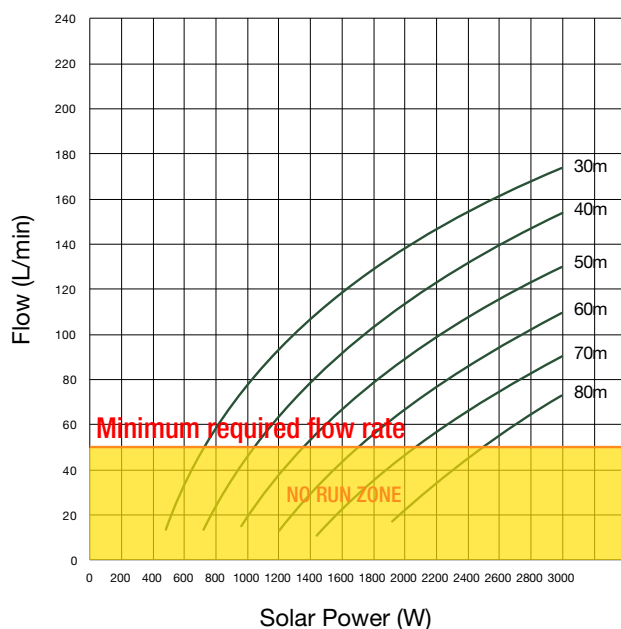
Motor to use: M110SOL
Min Head: 20m
Max Head: 45m



PERFORMANCE CURVES

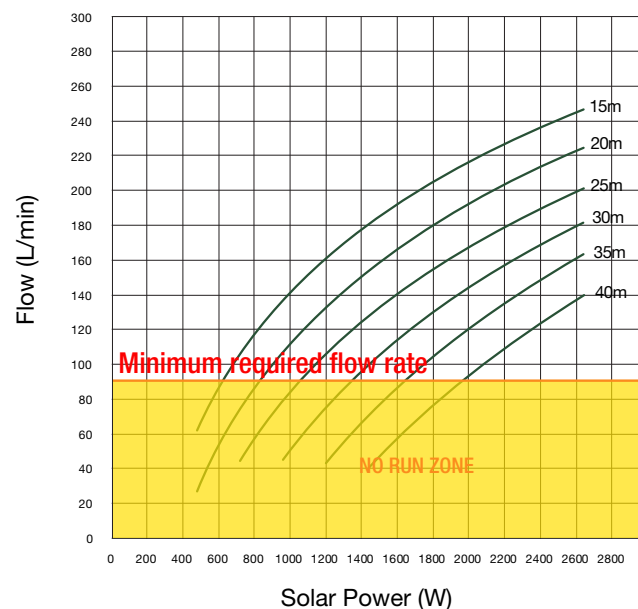
S4-8/13

Motor to use: M240SOL
Min Head: 30m
Max Head: 80m



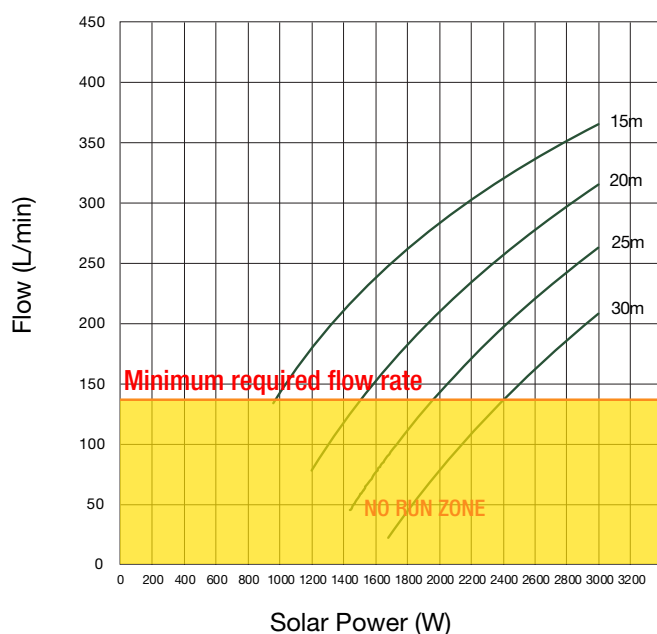
S4-12/8

Motor to use: M110SOL
Min Head: 15m
Max Head: 40m



S4-16/8

Motor to use: M240SOL
Min Head: 15m
Max Head: 30m





BUILDING SERVICES DISCOUNT APPLIES FOR SOLAR ARRAYS ONLY

SOLAR BORE PUMPS

iSOLAR



Arrays with Solar Panels (Freight Charges Apply)

Part Number	Item Code	No. of Panels	Mount	Total Watts	List
BIA-ER01PM	808866	1 X 330W	POST	330	\$1,899
BIA-ER02PM	805923	2 X 330W		660	\$2,449
BIA-ER03PM	805924	3 X 330W		990	\$3,099
BIA-ER04PM	805925	4 X 330W		1320	\$3,899
BIA-ER05PM	806215	5 x 330W		1650	\$5,299
BIA-ER06PM	805926	6 X 330W		1980	\$5,799
BIA-ER07PM	806216	7 x 330W		2310	\$6,799
BIA-ER08PM	805927	8 X 330W		2640	\$7,249
BIA-ER09PM	806217	9 x 330W		2970	\$8,899
BIA-ER10PM	805928	10 X 330W		3300	\$9,999

INCLUDES:

- 2 x MC4 leads 3m
- 2 x MC4 leads 10m
- 1 x 1000V 25A DC isolator
- Post Mount Kit
- 330W Panels

WARRANTY:

- Solar Panels, 12 year product warranty plus 25 year linear performance warranty
- Frames, 10 year warranty

Part Number	Item Code	Description	Flow Rates (lpm)	List
BIA-SSFLOWSENSOR-40 WITH CABLE	809521	SS Flow Sensor 40 with 10m cable	5 - 200	\$189
BIA-SSFLOWSENSOR-50 WITH CABLE	809522	SS Flow Sensor 50 with 10m cable	10 - 300	\$210
BIA-SOLCONTV3-SSFLOW40	806067	iCON Solar Motor V3 Controller with SS Flow Sensor 40		\$410
BIA-SOLCONTV3-SSFLOW50	806068	iCON Solar Motor V3 Controller with SS Flow Sensor 50		\$410
BIA-SOLCONTPRO-SSFLOW40	806069	iCON Solar Motor Pro Control Plug & Play with SS Flow Sensor 40		\$1,099
BIA-SOLCONTPRO-SSFLOW50	806070	iCON Solar Motor Pro Control Plug & Play with SS Flow sensor 50		\$1,099
DAB-SBC-SS-V2	807997	Cap, 1-1/2" & 2" 304 S/S Bore DAB SBC SS V2		\$299
BIA-PLUG-N-PLAY-DC-ISOLATOR	809475	DC Solar Isolator		\$149

iSOLAR Pro-Controllers

Controller:

- Full Plug and play option in Powder coated enclosure
- Fitted with AC and DC Circuit breaker and IP44 rated power connector for motor
- Easy fit connections for solar array
- AC240 V Power lead for Mains supply
- Can take signals from two float switches placed in a tank or similar
- Is suitable for outdoor installation and is weather-proof
- "No flow" protection with flow sensor connected to controller. Has built-in adjustable timer (10 - 60 minutes in 10 minute intervals).

Stainless Steel Flow Sensor:

- Flow sensor for use with iCON Solar Motor Controller for no flow pump protection
- Flow sensor from 40mm - 50mm
- Maximum water pressure 20 bar
- Working voltage range: DC 5-18 V
- Provides a pulse output to the iSOLAR Controller
- Operating Temperature: up to 80°C
- Dimensions: 120mm x 55mm



SS-FLOWSENSOR40 SS-FLOWSENSOR50

BIA-SOLCONTPRO-SSFLOW40 | BIA-SOLCONTPRO-SSFLOW50

iSOLAR[®] powered by and

WEB SELECTOR

NOW INCLUDES POSITIVE DISPLACEMENT PUMP SELECTIONS

The iSOLAR web selector powered by DAB and iCON is a simple and quick pump selection process which provides all the information needed for your next solar pump quote.


How it works


- Visit the website - **isolarselector.whiteint.com.au**
- Enter your location & water requirements
- The iSOLAR web selector will determine the average available monthly solar hours, pump needed, number of solar panels required and more
- Simply download and email a copy of the results

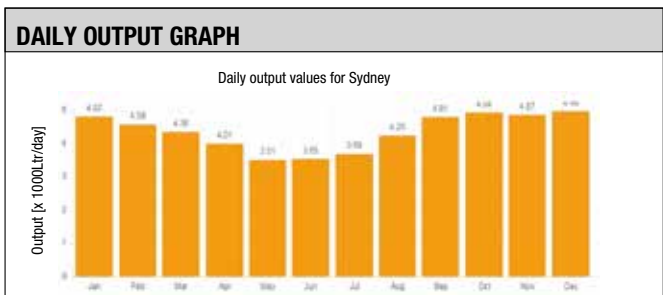
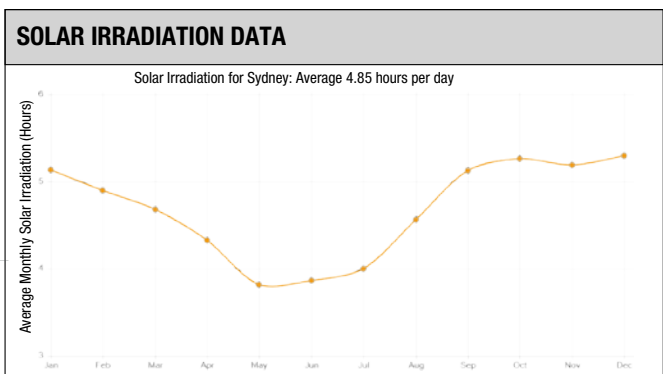
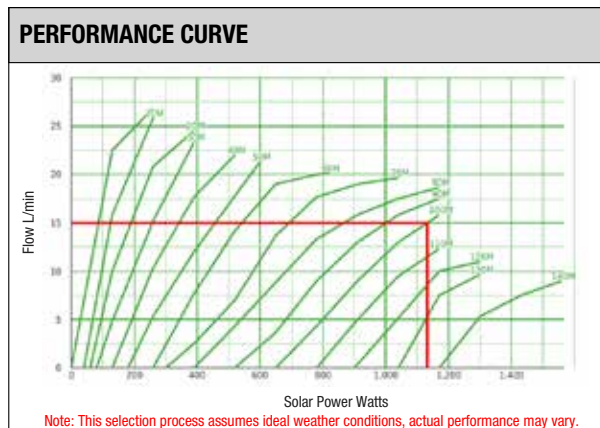


SOLAR

INPUT DATA	
LOCATION/POST-CODE:	Sydney 2000
TOTAL DYNAMIC HEAD:	100m
FLOW-RATE:	4,365L/Day; 15L/min; 0.25L/sec
SEASON:	Average
DAYLIGHT HOURS:	4.85 hrs/day

PUMP DETAILS	
Description: BIA-PDP3-SOLAR750	Item code: 808864
Max Head: 140m	Max Flow: 27L/min
 Downloads SELECTION GUIDE OPERATION & INSTALLATION MANUAL DATA SHEET	

SOLAR ARRAY DETAILS	
Description: BIA-ER04PM	Item code: 805925
No of Panels: 4	Mount: Pole
	Watts: 1320W
 Downloads DATA SHEET BROCHURE INSTALLATION MANUAL	



- PRODUCTS REQUIRED FOR THE iSOLAR SYSTEM**
- ✓ 808694 – BIA-PDP3 SOLAR750
Kit includes the following:
 - iCON 3" PDP pump
 - iCON Submersible DC motor with 30m of 2.5mm cable
 - iCON PDP3 Solar controller
 - Low-level float switch with 30m cable
 - 1" NRV
 - 30m of Nylon safety rope
 - ✓ 805925 – BIA-ER04PM (Includes 2x MC4 – 3m, 2x MC4 – 10m, 1x 1000V 25A DC Isolator, Post mount, 4 x 330W panels)

- CHECKLIST**
- A. Over-sizing Solar panels:** Max power of the solar arrays must not exceed 440Voc & 12Amps - DC Power
- B. Sizing up a generator:** Take total kW of the solar array, multiply by 1.1 and then divide by 0.8 to arrive at the minimum kVa required from the generator
- C. Shaft tensions:** When manipulating the shaft without power the shaft may appear to be tight. BIA-M240SOL motors have a tighter shaft due to the magnetic force required to support up to 320m head.

S4

PLUS



BOREHOLE PUMPS

with either water filled or oil filled motors

Construction features of the S4 PLUS Pump:

- Multi-stage centrifugal type with pump and motor directly coupled with splined coupling.
- New technopolymer impellers designed in Italy for lower mechanical load and higher sand resistance (150g/m³).
- New stage housings in technopolymer and stainless steel for up to 20 stages and stainless steel stage housing for over 20 stages.
- Pump liner, shaft, coupling, strainer and cable sheath is stainless steel. Base support and upper head in microcast AISI 304 stainless steel.

Construction features of the Motor:

Pump can be coupled to water filled or oil filled motors

- The water filled motor is a two-pole asynchronous motor with the parts in contact with water made of AISI 304 stainless steel. The thrust block and bushes are cooled and lubricated with a mixture of water and glycol. Rotor mounted on a Kingsbury type self-centering thrust block capable of withstanding high axial loads. The stator is immersed in thermosetting insulating resin with high heat dissipation capacity and encapsulated in an airtight AISI 304 stainless steel casing.
- The oil filled motor is a two-pole asynchronous motor with the parts in contact with water made of AISI 304L stainless steel. Cooling and lubrication of ball bearings is ensured by a special liquid approved for contact with food. The rewindable stator is housed in an AISI 304L stainless steel casing fixed with steel pins to the upper support of the motor. Equipped with a carbon-ceramic mechanical seal.

For both motors:

- Removable cable connector, ACS, WRAS and KTW certified cable, motor suitable for use with inverters (30 Hz - 50 Hz). In the 50 Hz single-phase version, the capacitor and manually resettable overload protection are in the electrical control panel (to be ordered separately). In the three-phase version, the protection must be guaranteed by the user.

SINGLE PHASE BOREHOLE PUMPS



DAB S4 PLUS 4" Stainless steel pumps with 240V energy efficient PSC motors complete

240V Complete Pump and Control Box. Sand resistant to 150 gr/m³.

SS WATER FILLED								SS OIL FILLED		
Part Number	Item Code	List	Max Head (m)	Min Flow (lpm)	Max Flow (lpm)	Port	kW	Part Number	Item Code	List
DAB-S4-1/10M	808126	\$1,699	64	5	25	1¼" BSPF	0.37	DAB-S4-1/10MOL	808226	\$1,549
DAB-S4-1/13M	808127	\$1,799	82					DAB-S4-1/13MOL	808227	\$1,649
DAB-S4-1/19M	808131	\$1,999	124				DAB-S4-1/19MOL	808228	\$1,799	
DAB-S4-1/26M	808132	\$2,299	169				DAB-S4-1/26MOL	808229	\$2,149	
DAB-S4-1/37M	808701	\$2,839	225				DAB-S4-1/37MOL	808230	\$2,549	
DAB-S4-2/7M	808134	\$1,649	47	10	50		0.37	DAB-S4-2/7MOL	808231	\$1,499
DAB-S4-2/10M	808135	\$1,849	67				0.55	DAB-S4-2/10MOL	808232	\$1,699
DAB-S4-2/14M	808136	\$1,999	93				0.75	DAB-S4-2/14MOL	808233	\$1,799
DAB-S4-2/20M	808137	\$2,249	130				1.1	DAB-S4-2/20MOL	808234	\$1,999
DAB-S4-2/28M	808138	\$2,749	187				1.5	DAB-S4-2/28MOL	808235	\$2,499
DAB-S4-2/40M	808139	\$3,549	267	2.2	DAB-S4-2/40MOL		808236	\$3,199		
DAB-S4-3/6M	808140	\$1,699	33	20	70		0.37	DAB-S4-3/6MOL	808237	\$1,599
DAB-S4-3/9M	808141	\$1,849	50				0.55	DAB-S4-3/9MOL	808238	\$1,649
DAB-S4-3/13M	808142	\$1,999	72				0.75	DAB-S4-3/13MOL	808239	\$1,749
DAB-S4-3/19M	808143	\$2,199	105				1.1	DAB-S4-3/19MOL	808240	\$1,899
DAB-S4-3/25M	808144	\$2,699	138				1.5	DAB-S4-3/25MOL	808241	\$2,449
DAB-S4-3/32M	808145	\$3,399	176	30	90		2.2	DAB-S4-3/32MOL	808242	\$2,999
DAB-S4-3/39M	808146	\$3,599	215					DAB-S4-3/39MOL	808243	\$3,249
DAB-S4-4/4M	808147	\$1,699	27				0.37	DAB-S4-4/4MOL	808244	\$1,549
DAB-S4-4/7M	808148	\$1,799	46				0.55	DAB-S4-4/7MOL	808245	\$1,599
DAB-S4-4/9M	808149	\$1,999	59				0.75	DAB-S4-4/9MOL	808246	\$1,749
DAB-S4-4/14M	808150	\$2,199	93	40	140		1.1	DAB-S4-4/14MOL	808247	\$1,899
DAB-S4-4/19M	808151	\$2,499	126				1.5	DAB-S4-4/19MOL	808248	\$2,249
DAB-S4-4/27M	808152	\$3,249	179				2.2	DAB-S4-4/27MOL	808249	\$2,899
DAB-S4-6/5M	808153	\$1,849	30				0.55	DAB-S4-6/5MOL	808250	\$1,699
DAB-S4-6/7M	808154	\$2,049	43				0.75	DAB-S4-6/7MOL	808251	\$1,799
DAB-S4-6/10M	808155	\$2,279	61	50	180		1.1	DAB-S4-6/10MOL	808252	\$1,999
DAB-S4-6/14M	808156	\$2,749	85				1.5	DAB-S4-6/14MOL	808253	\$2,499
DAB-S4-6/21M	808157	\$3,499	125				2.2	DAB-S4-6/21MOL	808254	\$3,099
DAB-S4-8/4M	808158	\$1,899	25			0.75	DAB-S4-8/4MOL	808255	\$1,649	
DAB-S4-8/6M	808159	\$2,099	38			1.1	DAB-S4-8/6MOL	808256	\$1,799	
DAB-S4-8/8M	808160	\$2,349	51	90	250	1.5	DAB-S4-8/8MOL	808257	\$2,149	
DAB-S4-8/13M	808161	\$2,999	83			2.2	DAB-S4-8/13MOL	808258	\$2,599	
DAB-S4-12/5M	808162	\$2,149	31			1.1	DAB-S4-12/5MOL	808259	\$1,849	
DAB-S4-12/8M	808163	\$2,399	49			1.5	DAB-S4-12/8MOL	808260	\$2,179	
DAB-S4-12/11M	808164	\$2,899	67			2.2	DAB-S4-12/11MOL	808261	\$2,499	
DAB-S4-16/5M	808165	\$2,499	29	140	367	1.5	DAB-S4-16/5MOL	808262	\$2,249	
DAB-S4-16/8M	808166	\$2,999	47			2.2	DAB-S4-16/8MOL	808263	\$2,649	



SAND HANDLING DESIGN

Note: Above prices include control box and cable joint kit for all single phase pumps.



THREE PHASE BOREHOLE PUMPS



DAB S4 PLUS 4" Stainless Steel Pumps with 415V energy efficient motors complete

415V Complete Pump. Sand resistant to 150 gr/m³.

SS WATER FILLED								SS OIL FILLED		
Part Number	Item Code	List	Max Head (m)	Min Flow (lpm)	Max Flow (lpm)	Port	kW	Part Number	Item Code	List
DAB-S4-1/10T	808167	\$1,549	64	5	25	1-1/4"	0.37	DAB-S4-1/10TOL	808264	\$1,279
DAB-S4-1/13T	808168	\$1,649	82			1-1/4"	0.37	DAB-S4-1/13TOL	808265	\$1,379
DAB-S4-1/19T	808169	\$1,799	124			1-1/4"	0.55	DAB-S4-1/19TOL	808266	\$1,499
DAB-S4-1/26T	808170	\$2,149	169			1-1/4"	0.75	DAB-S4-1/26TOL	808267	\$1,799
DAB-S4-1/37T	808171	\$2,599	225			1-1/4"	1.1	DAB-S4-1/37TOL	808268	\$2,249
DAB-S4-2/7T	808172	\$1,499	47	10	50	1-1/4"	0.37	DAB-S4-2/7TOL	808269	\$1,199
DAB-S4-2/10T	808173	\$1,699	67			1-1/4"	0.55	DAB-S4-2/10TOL	808270	\$1,399
DAB-S4-2/14T	808174	\$1,799	93			1-1/4"	0.75	DAB-S4-2/14TOL	808271	\$1,499
DAB-S4-2/20T	808175	\$2,049	130			1-1/4"	1.1	DAB-S4-2/20TOL	808272	\$1,679
DAB-S4-2/28T	808176	\$2,449	187			1-1/4"	1.5	DAB-S4-2/28TOL	808273	\$2,049
DAB-S4-2/40T	808177	\$3,299	267	20	70	1-1/4"	2.2	DAB-S4-2/40TOL	808274	\$2,699
DAB-S4-2/52T	808178	\$4,099	347			1-1/4"	3	DAB-S4-2/52TOL	808275	\$3,479
DAB-S4-3/6T	808179	\$1,549	33			1-1/4"	0.37	DAB-S4-3/6TOL	808276	\$1,299
DAB-S4-3/9T	808180	\$1,649	50			1-1/4"	0.55	DAB-S4-3/9TOL	808277	\$1,349
DAB-S4-3/13T	808181	\$1,749	72			1-1/4"	0.75	DAB-S4-3/13TOL	808278	\$1,449
DAB-S4-3/19T	808182	\$1,949	105			1-1/4"	1.1	DAB-S4-3/19TOL	808279	\$1,579
DAB-S4-3/25T	808183	\$2,399	138			1-1/4"	1.5	DAB-S4-3/25TOL	808280	\$1,999
DAB-S4-3/32T	808184	\$3,099	176			1-1/4"	2.2	DAB-S4-3/32TOL	808281	\$2,499
DAB-S4-3/39T	808185	\$3,349	215			1-1/4"	2.2	DAB-S4-3/39TOL	808282	\$2,699
DAB-S4-3/45T	808186	\$3,999	247			1-1/4"	3	DAB-S4-3/45TOL	808283	\$3,399
DAB-S4-3/51T	808187	\$4,299	281	30	90	1-1/4"	3	DAB-S4-3/51TOL	808284	\$3,649
DAB-S4-3/67T	808188	\$5,749	368			1-1/4"	4	DAB-S4-3/67TOL	808285	\$4,899
DAB-S4-4/4T	808189	\$1,549	27			1-1/4"	0.37	DAB-S4-4/4TOL	808286	\$1,249
DAB-S4-4/7T	808190	\$1,649	46			1-1/4"	0.55	DAB-S4-4/7TOL	808287	\$1,299
DAB-S4-4/9T	808191	\$1,749	59			1-1/4"	0.75	DAB-S4-4/9TOL	808288	\$1,449
DAB-S4-4/14T	808192	\$1,999	93			1-1/4"	1.1	DAB-S4-4/14TOL	808289	\$1,599
DAB-S4-4/19T	808193	\$2,199	126			1-1/4"	1.5	DAB-S4-4/19TOL	808290	\$1,799
DAB-S4-4/27T	808194	\$2,999	179			1-1/4"	2.2	DAB-S4-4/27TOL	808291	\$2,349
DAB-S4-4/35T	808195	\$3,649	226			1-1/4"	3	DAB-S4-4/35TOL	808292	\$3,049
DAB-S4-4/48T	808196	\$4,599	320			1-1/4"	4	DAB-S4-4/48TOL	808293	\$3,799
DAB-S4-6/5T	808197	\$1,699	30	40	140	1-1/4"	0.55	DAB-S4-6/5TOL	808294	\$1,349
DAB-S4-6/7T	808198	\$1,799	43			1-1/4"	0.75	DAB-S4-6/7TOL	808295	\$1,499
DAB-S4-6/10T	808199	\$2,099	61			1-1/4"	1.1	DAB-S4-6/10TOL	808296	\$1,699
DAB-S4-6/14T	808200	\$2,499	85			1-1/4"	1.5	DAB-S4-6/14TOL	808297	\$2,049
DAB-S4-6/21T	808201	\$3,199	125			1-1/4"	2.2	DAB-S4-6/21TOL	808298	\$2,549
DAB-S4-6/29T	808202	\$3,999	173			1-1/4"	3	DAB-S4-6/29TOL	808299	\$3,399
DAB-S4-6/38T	808203	\$4,899	227			1-1/4"	4	DAB-S4-6/38TOL	808300	\$4,099
DAB-S4-6/52T	808204	\$5,599	311			1-1/4"	5.5	DAB-S4-6/52TOL	808301	\$4,799

DAB-S4-8/4T	808205	\$1,699	25	50	180	2"	0.75	DAB-S4-8/4TOL	808302	\$1,349
DAB-S4-8/6T	808206	\$1,849	38			2"	1.1	DAB-S4-8/6TOL	808303	\$1,449
DAB-S4-8/8T	808207	\$2,099	51			2"	1.5	DAB-S4-8/8TOL	808304	\$1,649
DAB-S4-8/13T	808208	\$2,699	83			2"	2.2	DAB-S4-8/13TOL	808305	\$2,099
DAB-S4-8/17T	808209	\$3,299	109			2"	3	DAB-S4-8/17TOL	808306	\$2,699
DAB-S4-8/23T	808210	\$4,099	148			2"	4	DAB-S4-8/23TOL	808307	\$3,299
DAB-S4-8/32T	808211	\$4,699	205			2"	5.5	DAB-S4-8/32TOL	808308	\$3,899
DAB-S4-8/43T	808212	\$5,299	275			2"	7.5	DAB-S4-8/43TOL	808309	\$4,697
DAB-S4-12/5T	808213	\$1,899	31	90	250	2"	1.1	DAB-S4-12/5TOL	808310	\$1,526
DAB-S4-12/8T	808214	\$2,099	49			2"	1.5	DAB-S4-12/8TOL	808311	\$1,716
DAB-S4-12/11T	808215	\$2,599	67			2"	2.2	DAB-S4-12/11TOL	808312	\$2,011
DAB-S4-12/15T	808216	\$3,299	92			2"	3	DAB-S4-12/15TOL	808313	\$2,736
DAB-S4-12/20T	808217	\$4,049	122			2"	4	DAB-S4-12/20TOL	808314	\$3,272
DAB-S4-12/27T	808218	\$4,649	165			2"	5.5	DAB-S4-12/27TOL	808315	\$3,873
DAB-S4-12/36T	808219	\$5,099	221			2"	7.5	DAB-S4-12/36TOL	808316	\$4,487
DAB-S4-16/5T	808220	\$2,199	29	160	367	2"	1.5	DAB-S4-16/5TOL	808317	\$1,799
DAB-S4-16/8T	808221	\$2,799	47			2"	2.2	DAB-S4-16/8TOL	808318	\$2,139
DAB-S4-16/11T	808222	\$3,329	65			2"	3	DAB-S4-16/11TOL	808319	\$2,753
DAB-S4-16/15T	808223	\$4,049	89			2"	4	DAB-S4-16/15TOL	808320	\$3,245
DAB-S4-16/20T	808224	\$4,649	119			2"	5.5	DAB-S4-16/20TOL	808321	\$3,880
DAB-S4-16/28T	808225	\$5,099	165			2"	7.5	DAB-S4-16/28TOL	808322	\$4,520

Note: Above prices include control box and cable joint kit for all single phase pumps.



Control box for single phase pumps



**SAND
HANDLING
DESIGN**



BOREHOLE PUMPS



DAB S4 PLUS 4" Stainless steel wet ends

Sand resistant to 150 gr/m³.

Part Number	Item Code	Description	Port	List
DAB-S4-1/10	808040	Pump Only	1-1/4"	\$549
DAB-S4-1/13	808041			\$649
DAB-S4-1/19	808042			\$779
DAB-S4-1/26	808043			\$1,049
DAB-S4-1/37	808044			\$1,399
DAB-S4-2/7	808045			\$499
DAB-S4-2/10	808046			\$649
DAB-S4-2/14	808047			\$699
DAB-S4-2/20	808048			\$849
DAB-S4-2/28	808049			\$1,149
DAB-S4-2/40	808050			\$1,499
DAB-S4-2/52	808051			\$1,849
DAB-S4-3/6	808052			\$579
DAB-S4-3/9	808053			\$609
DAB-S4-3/13	808054			\$699
DAB-S4-3/19	808055			\$749
DAB-S4-3/25	808056			\$1,079
DAB-S4-3/32	808057			\$1,299
DAB-S4-3/39	808058			\$1,549
DAB-S4-3/45	808059			\$1,749
DAB-S4-3/51	808060			\$1,999
DAB-S4-3/67	808061			\$2,999
DAB-S4-4/4	808062			\$549
DAB-S4-4/7	808063			\$599
DAB-S4-4/9	808064			\$679
DAB-S4-4/14	808065			\$749
DAB-S4-4/19	808066			\$849
DAB-S4-4/27	808067			\$1,199
DAB-S4-4/35	808068			\$1,399
DAB-S4-4/48	808069			\$1,849
DAB-S4-6/5	808070			\$649
DAB-S4-6/7	808071			\$729
DAB-S4-6/10	808072			\$879
DAB-S4-6/14	808073			\$1,099
DAB-S4-6/21	808074			\$1,399
DAB-S4-6/29	808075			\$1,749
DAB-S4-6/38	808076			\$2,099
DAB-S4-6/52	808077			\$2,549
DAB-S4-8/4	808078		2"	\$599
DAB-S4-8/6	808079			\$649
DAB-S4-8/8	808080			\$749
DAB-S4-8/13	808081			\$899
DAB-S4-8/17	808082			\$999
DAB-S4-8/23	808083			\$1,349
DAB-S4-8/32	808084			\$1,599
DAB-S4-8/43	808085			\$1,999
DAB-S4-12/5	808086			\$699

Part Number	Item Code	Description	Port	List
DAB-S4-12/8	808087	Pump Only	2"	\$789
DAB-S4-12/11	808088			\$829
DAB-S4-12/15	808089			\$1,079
DAB-S4-12/20	808090			\$1,299
DAB-S4-12/27	808091			\$1,599
DAB-S4-12/36	808092			\$1,799
DAB-S4-16/5	808093			\$879
DAB-S4-16/8	808094			\$949
DAB-S4-16/11	808095			\$1,099
DAB-S4-16/15	808096			\$1,299
DAB-S4-16/20	808097			\$1,599
DAB-S4-16/28	808098			\$1,849

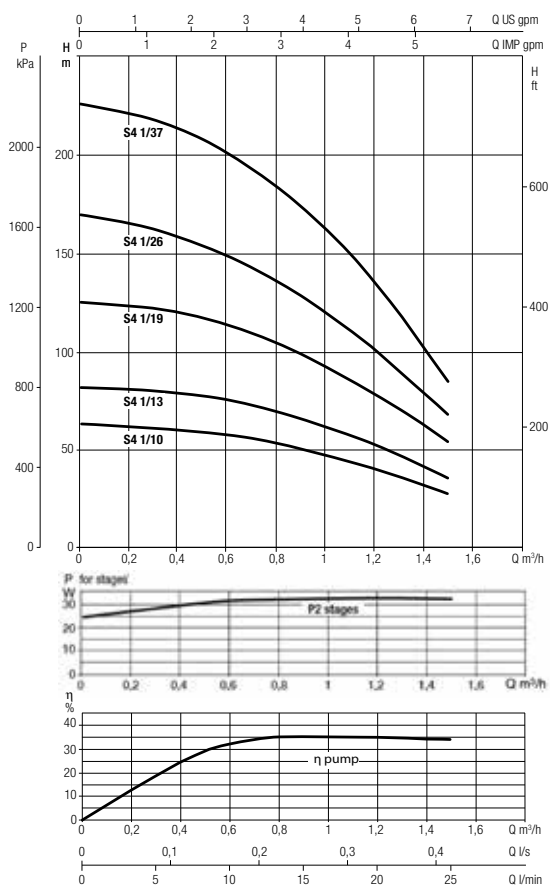
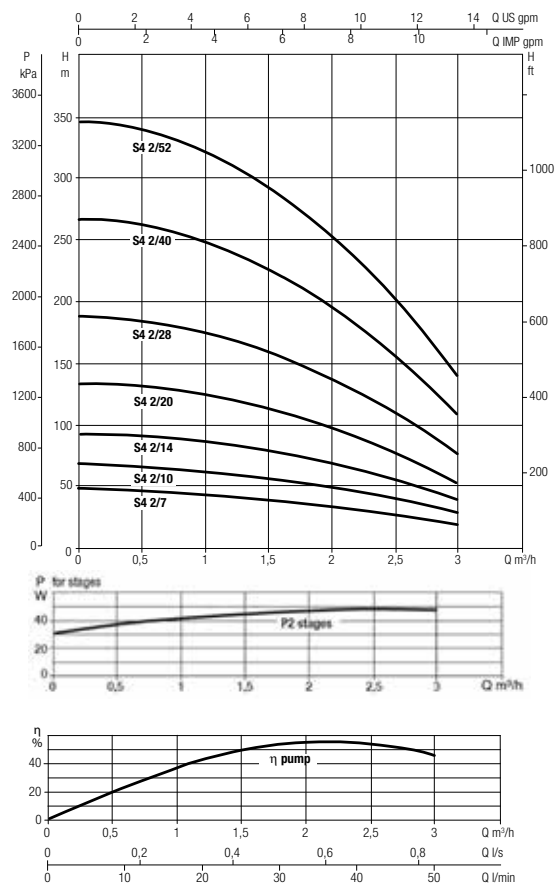
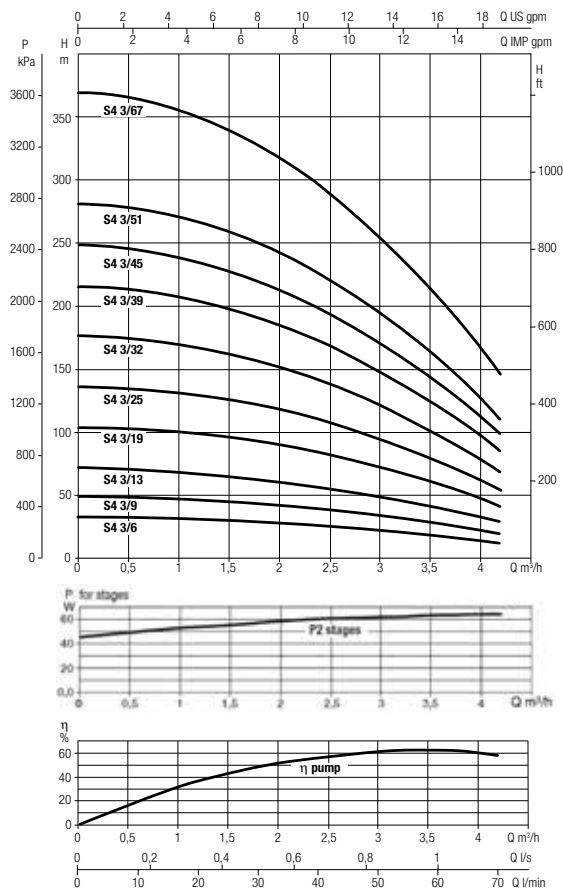
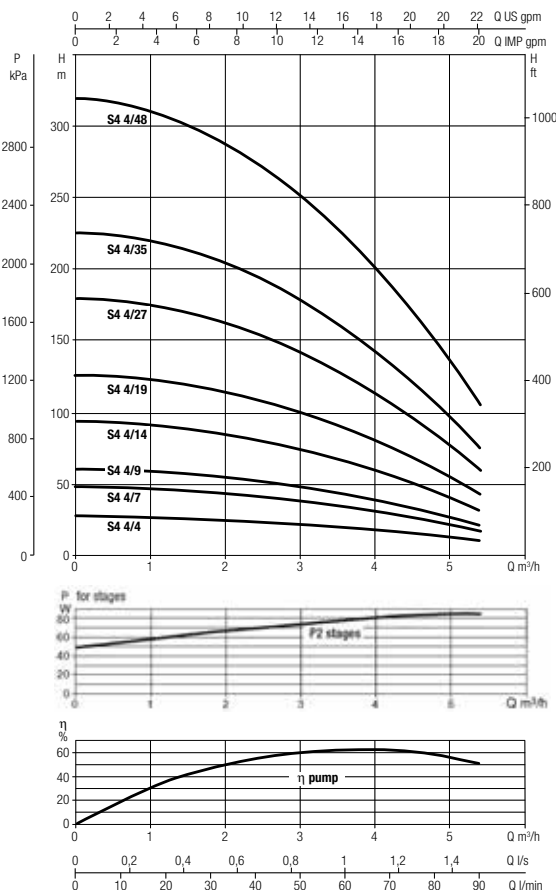


SAND
HANDLING
DESIGN

BOREHOLE

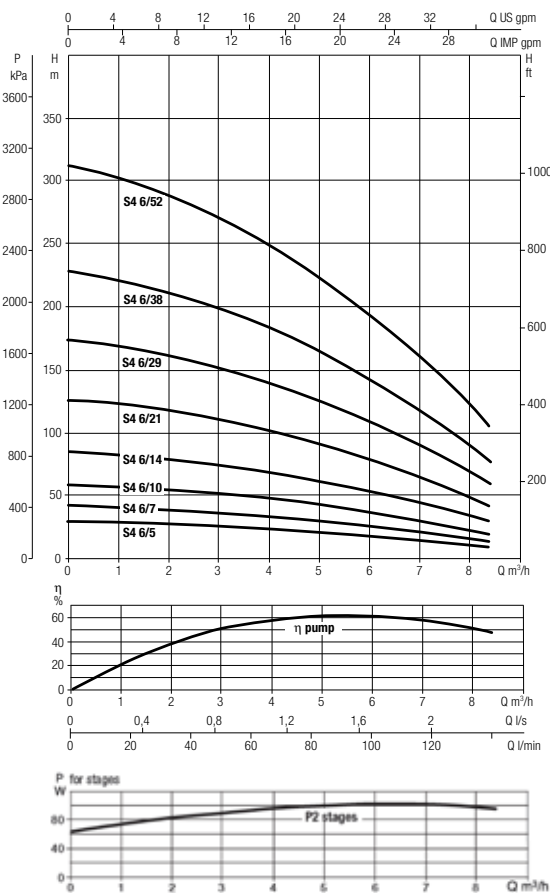


DAB S4 PLUS PERFORMANCE CURVES

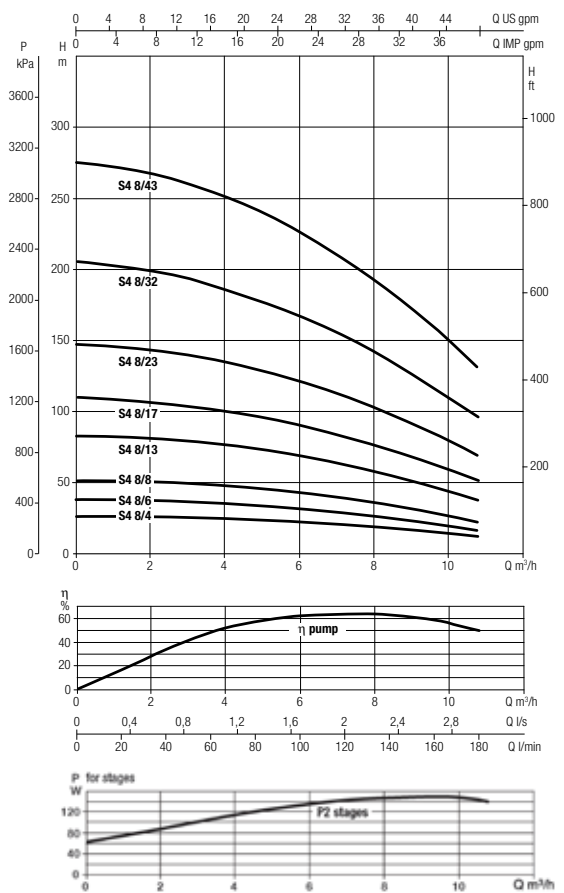
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DAB S4 PLUS PERFORMANCE CURVES

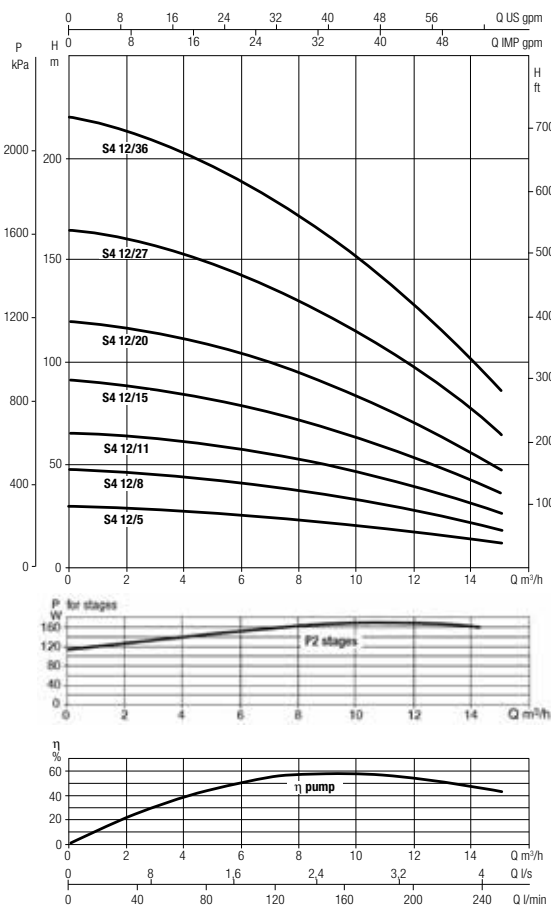
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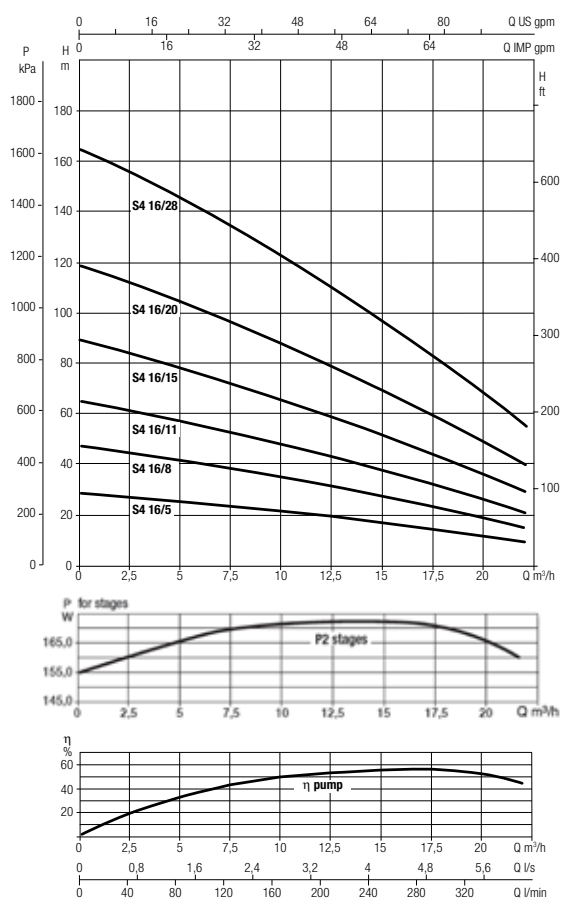
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S4 12



S4 16

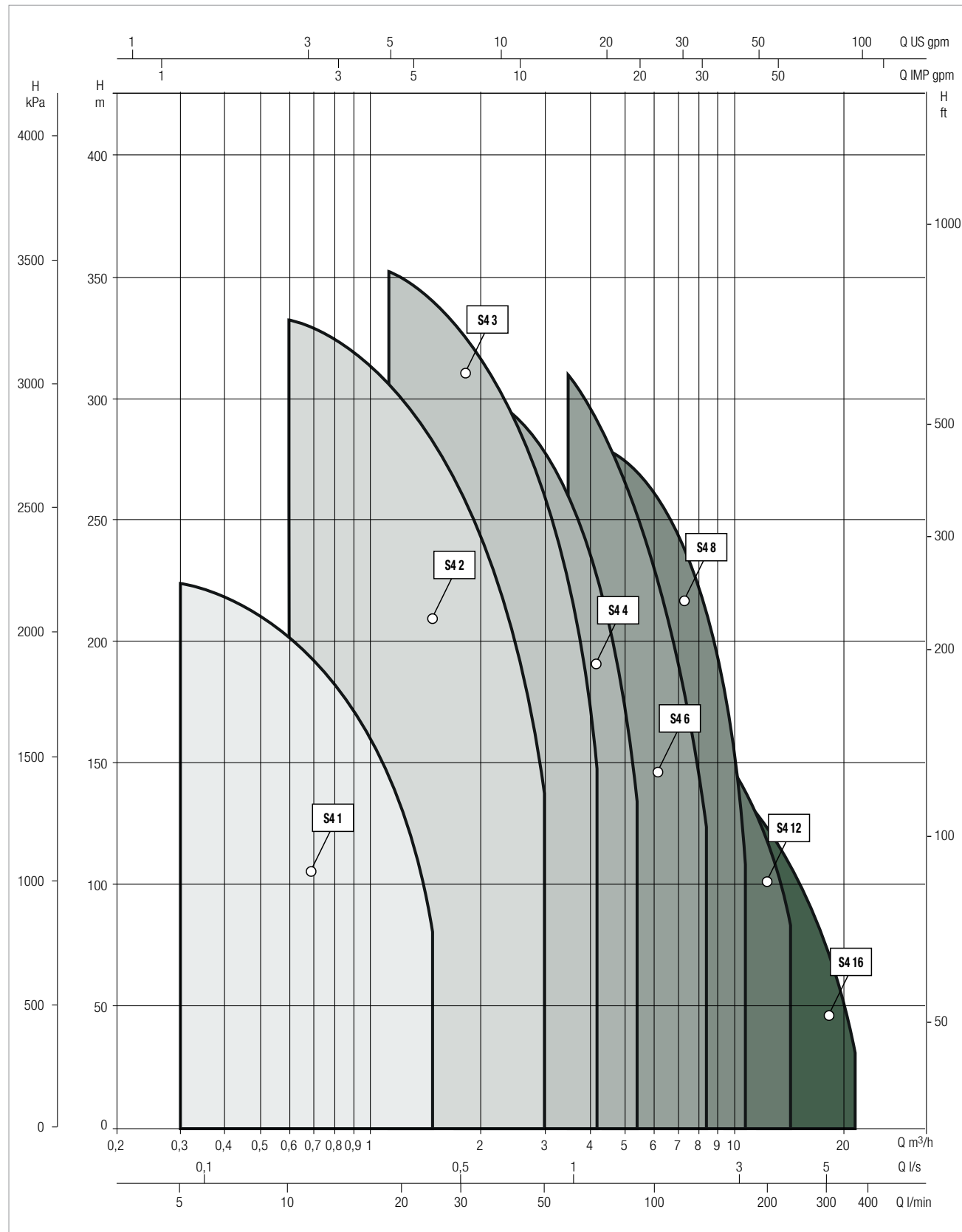




PERFORMANCE RANGE

The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

GRAPHIC SELECTION TABLE



BOREHOLE PUMPS

iCON
SERIES DRIVES



Variable Frequency Drives

The Bianco iSUB controllers are 240V single phase input variable frequency drives for the control of pumps up to 3.0kW, 240V 3 phase.

Suitable for borehole pumps, the Bianco iSUB controllers are mounted in an outdoor enclosure with independent fan cooling and inspection window and also includes 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



Part Number	Item Code	kW	Volts	Phase	List
BIA-iSUB22	802677	1.5	240	3	\$2,499
BIA-iSUB37	803809	3.0			\$2,799

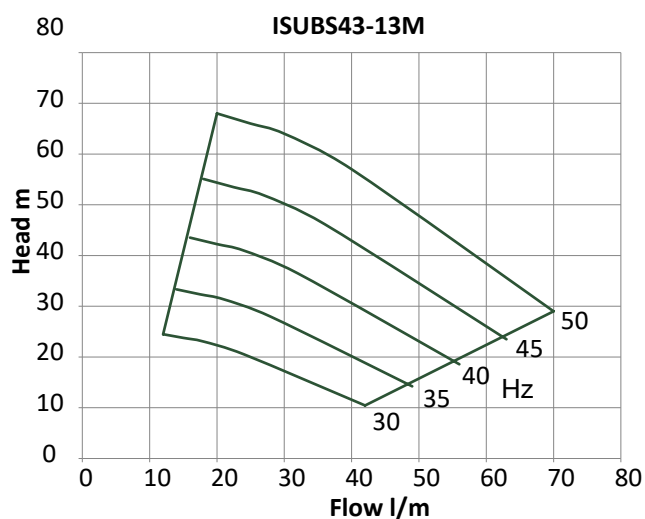
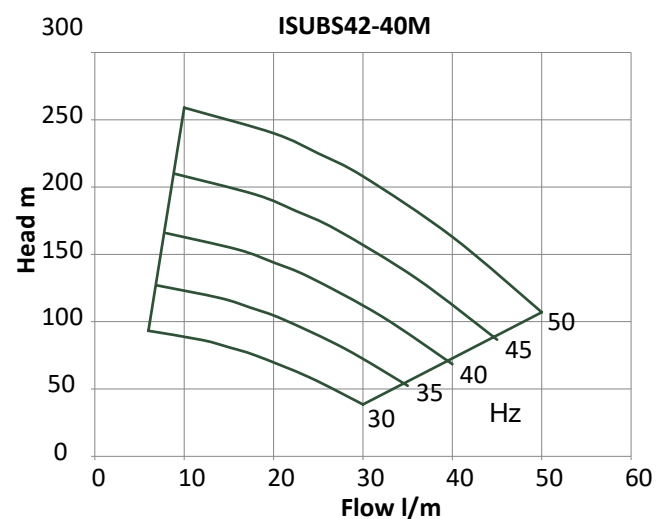
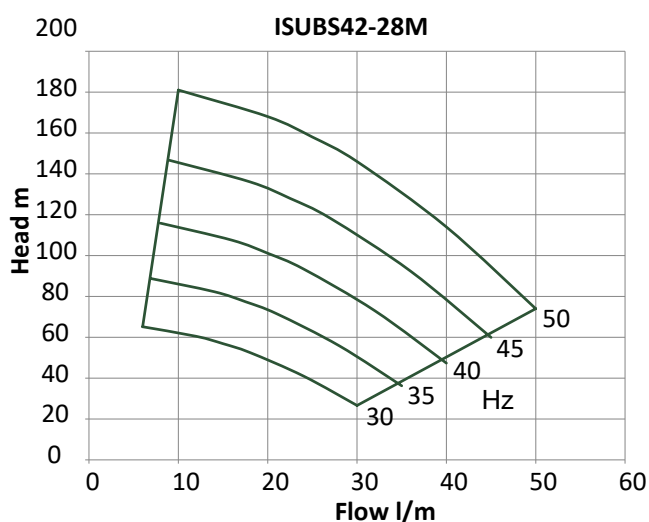
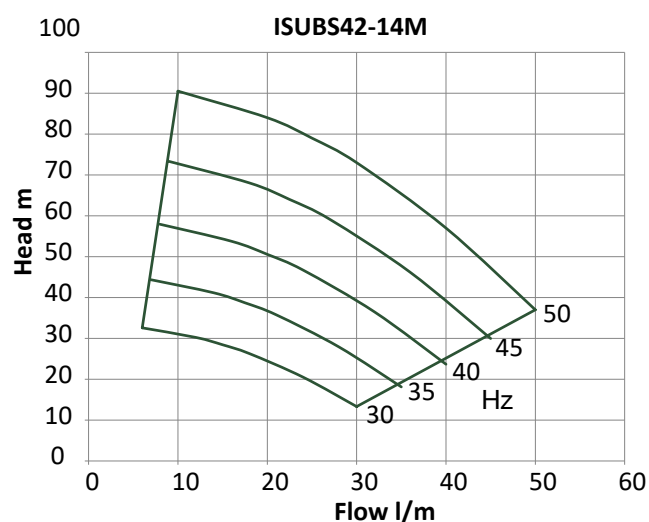
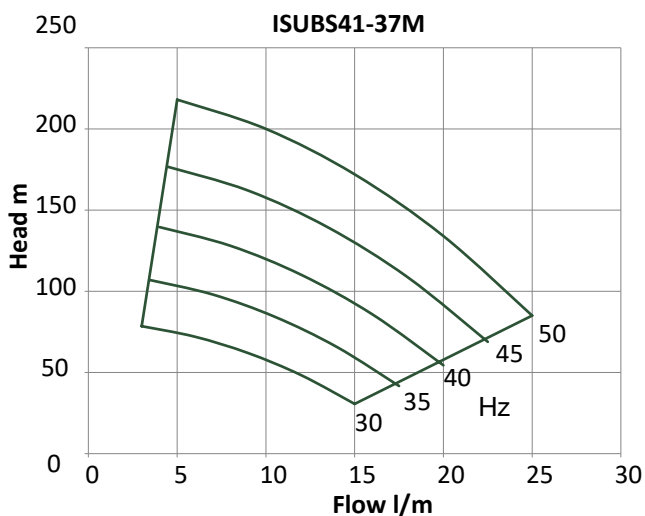
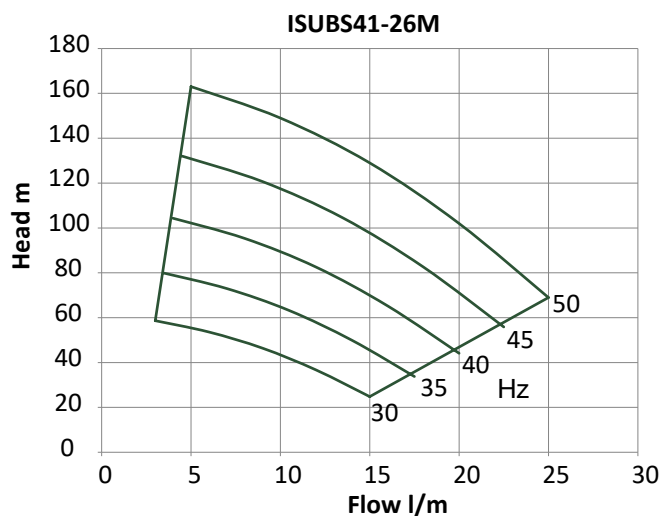
Variable Frequency Drive Pump Kits

Includes pump, motor, VFD in enclosure with transducer, SS Manifold and 18 litre pressure tank.

Part Number	Item Code	Max Head (m)	Max Flow (lpm)	Port	kW	List
BIA-ISUB-S4-1/26M	808327	163	25	1-1/4"	0.75	\$3,650
BIA-ISUB-S4-2/14M	808328	90	50		0.75	\$3,650
BIA-ISUB-S4-3/13M	808329	68	70		0.75	\$3,650
BIA-ISUB-S4-4/9M	808330	55	90		0.75	\$3,650
BIA-ISUB-S4-1/37M	808331	218	25		1.1	\$4,500
BIA-ISUB-S4-2/28M	808332	181	50		1.5	\$4,500
BIA-ISUB-S4-3/25M	808333	131	70		1.5	\$4,500
BIA-ISUB-S4-4/19M	808334	116	90		1.5	\$4,500
BIA-ISUB-S4-6/14M	808335	76	140		1.5	\$4,500
BIA-ISUB-S4-8/8M	808336	50	180	2"	1.5	\$4,500
BIA-ISUB-S4-2/40M	808337	259	50	1-1/4"	2.2	\$5,400
BIA-ISUB-S4-3/39M	808338	204	70		2.2	\$5,400
BIA-ISUB-S4-4/27M	808339	165	90		2.2	\$5,400
BIA-ISUB-S4-6/21M	808340	113	140		2.2	\$5,400
BIA-ISUB-S4-8/13M	808341	80	180	2"	2.2	\$5,400
BIA-ISUB-S4-12/11M	808342	58	250		2.2	\$5,400
BIA-ISUB-S4-16/8M	808343	38	367		2.2	\$5,400

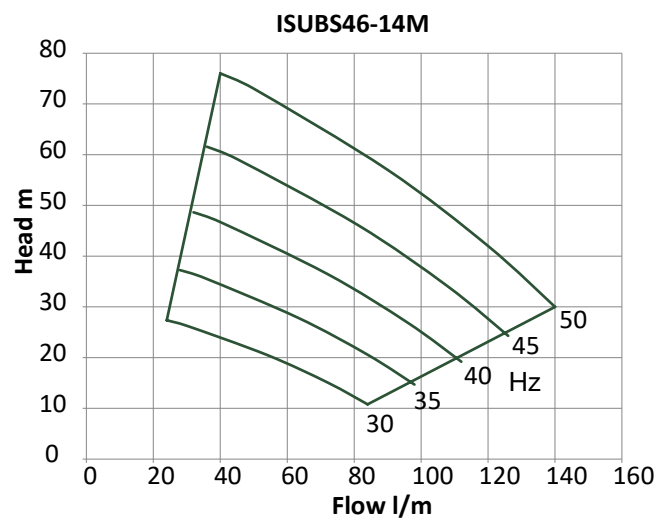
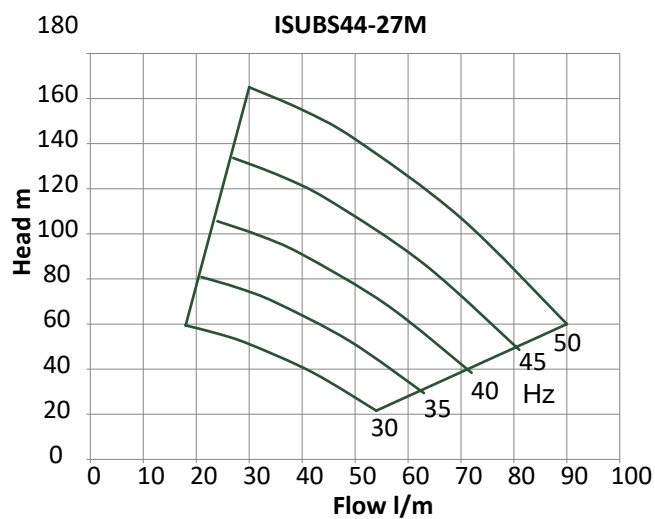
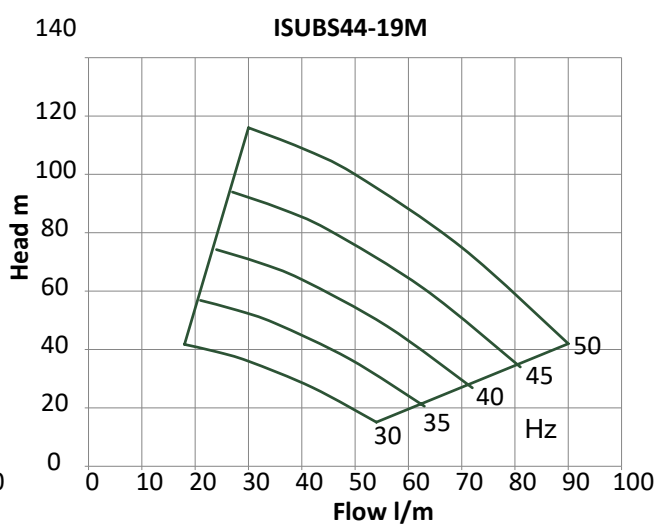
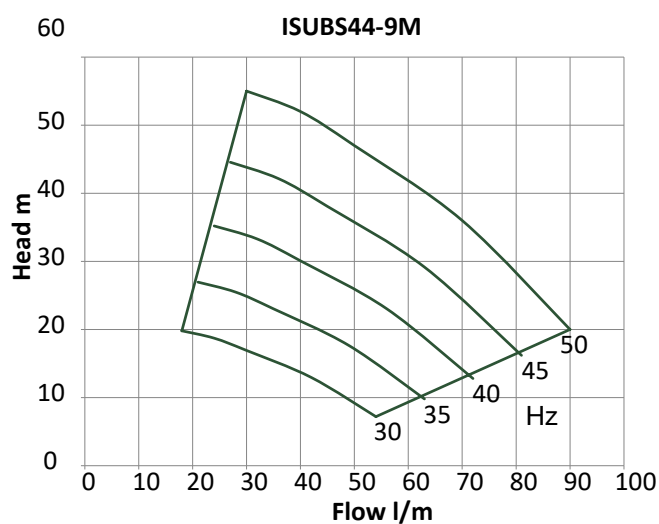
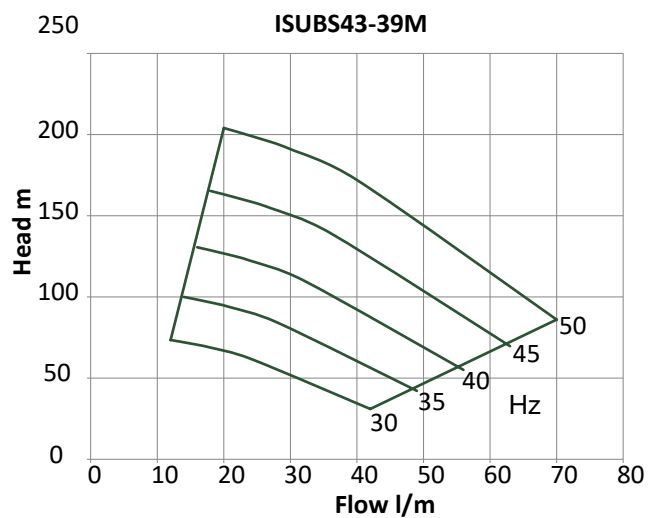
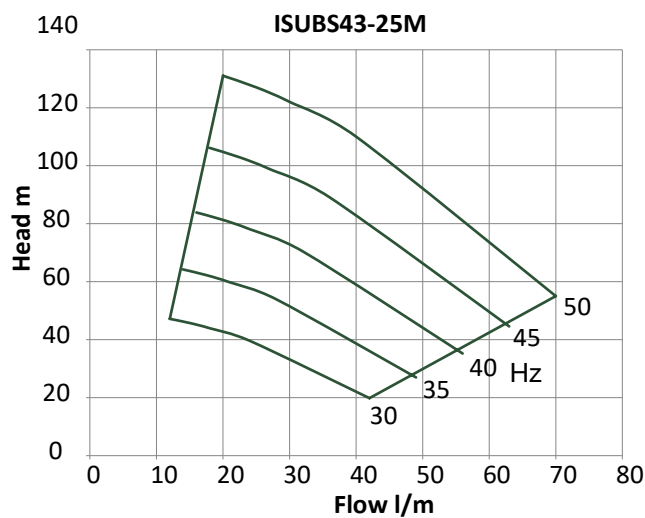


iSUB PERFORMANCE CURVES



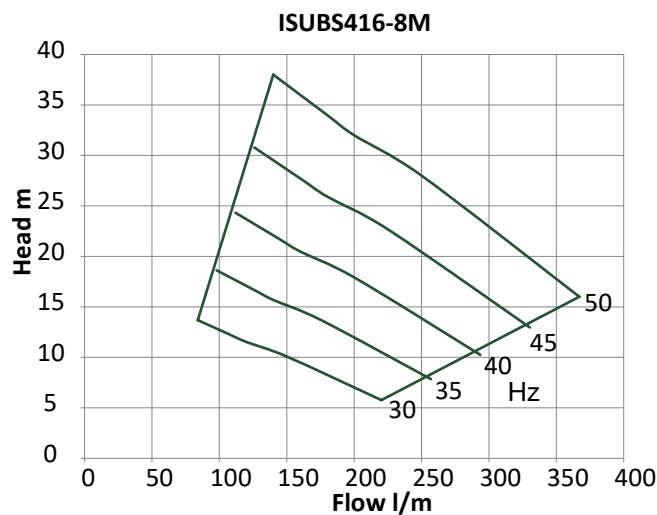
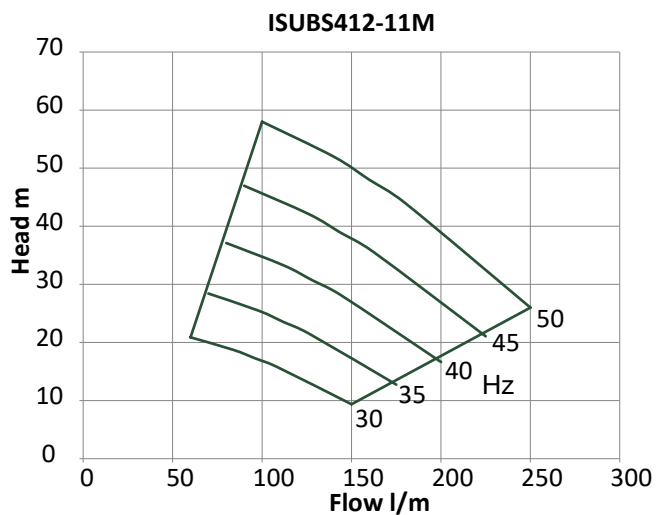
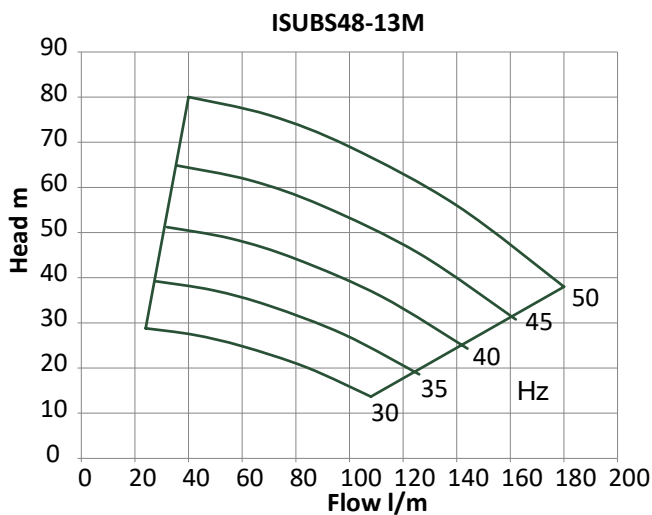
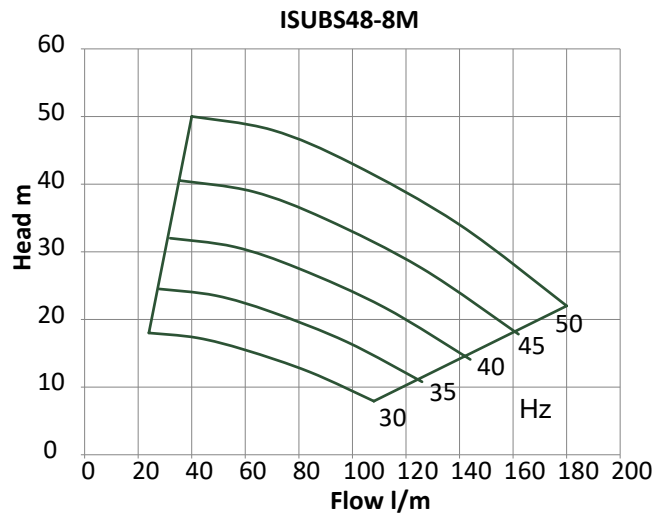
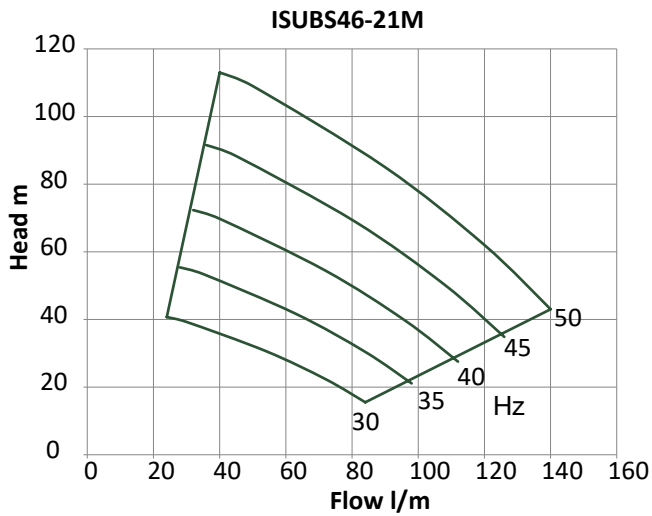


iSUB PERFORMANCE CURVES





iSUB PERFORMANCE CURVES







BOREHOLE PUMPS

DAB S4 4" Series Tesla Motors - Water Filled



SS WATER FILLED MOTORS

Part Number	Item Code	Volts	HP	kW	List
TES-M037S*	709880	240	0.5	0.37	\$799
TES-M037T	709882	415			\$899
TES-M055S*	709883	240	0.75	0.55	\$879
TES-M055T	709885	415			\$949
TES-M075S*	709886	240	1.0	0.75	\$949
TES-M075T	709888	415			\$999
TES-M075T240+	709831	240			\$999
TES-M110S*	709889		1.5	1.1	\$1,099
TES-M110T	709891	415			\$1,149
TES-M150S*	709893	240	2.0	1.5	\$1,199
TES-M150T	709894	415			\$1,249
TES-M150T240+	803071	240			\$1,249
TES-M220S*	709896		3.0	2.2	\$1,599
TES-M220T	709897	415			\$1,699
TES-M220T240+	709898	240			\$1,699
TES-M300T	709899	415	4.0	3.0	\$2,149
TES-M400T	709900		5.5	4.0	\$2,699
TES-M550T	709905		7.5	5.5	\$2,999
TES-M750T	709906		10.0	7.5	\$3,199

*3 phase motors

Single Phase Capacitor Sizing

0.37kW	16uF
0.55kW	20uF
0.75kW	25uF
1.1kW	35uF
1.5kW	40uF
2.2kW	60uF

SS WATER FILLED CONSTRUCTION FEATURES

 <p>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.</p>	 <p>Kingsbury thrust block equipped with carbon clearance ring and oscillating pads in high strength stainless steel machined by Tesla with a spherical lapping process. From 0.37kW to 1.1kW: 2000 N From 1.5kW to 2.2kW: 3000 N From 3.0kW to 7.5kW: 6000 N</p>	 <p>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 2.2kW and in copper for motors of power ratings above 3.0kW.</p>
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DAB S4 4" Series Tesla Motors - Oil Filled



SS OIL FILLED MOTORS

Part Number	Item Code	Volts	HP	kW	List
TES-M037SOL*	805185	240	0.5	0.37	\$679
TES-M037TOL	805176	415			\$649
TES-M055SOL*	805186	240	0.75	0.55	\$699
TES-M055TOL	805177	415			\$649
TES-M075SOL*	805187	240	1.0	0.75	\$729
TES-M075TOL	805178	415			\$679
TES-M110SOL*	805188	240	1.5	1.1	\$799
TES-M110TOL	805179	415			\$749
TES-M150SOL*	805189	240	2.0	1.5	\$999
TES-M150TOL	805180	415			\$839
TES-M220SOL*	805190	240	3.0	2.2	\$1,229
TES-M220TOL	805181	415			\$1,099
TES-M300TOL	805182	415	4.0	3.0	\$1,599
TES-M400TOL	805183		5.5	4.0	\$1,899
TES-M550TOL	805184		7.5	5.5	\$2,199

SS OIL FILLED CONSTRUCTION FEATURES

 <p>Rewindable stator housed in an outer casing 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.</p>	 <p>Oversized ball bearings of high axial load. From 0.37kW to 1.5kW: 2000 N 2.2kW: 3000 N. From 3.0kW to 4.0kW: 4000 N From 5.5kW to 7.5kW: 5000 N</p>	 <p>Shafts with terminal in AISI 304/Duplex, with special surface hardening process. Squirrel cage rotor in aluminium for power ratings up to 2.2kW and in copper for motors of power ratings above 3.0kW.</p>
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*Note: Tesla PSC motors require Tesla PSC control boxes (on the next page)

TESLA CONTROL BOXES

The below control boxes are only applicable to the Tesla motors.

DAB 4" Tesla PSC Motor Control Boxes

Part Number	Item Code	Description	kW	List
TES-CBOX037	709836	Control Box TESLA, 0.5hp	0.37	\$249
TES-CBOX055	709837	Control Box TESLA, 0.75hp	0.55	\$259
TES-CBOX075	709838	Control Box TESLA, 1.0hp	0.75	\$269
TES-CBOX110	709839	Control Box TESLA, 1.5hp	1.1	\$269
TES-CBOX150	709840	Control Box TESLA, 2.0hp	1.5	\$329
TES-CBOX220	709841	Control Box TESLA, 3.0hp	2.2	\$399



TESLA MOTORS

DAB S4 Series 4" Tesla 2 Wire Motors

Part Number	Item Code	Description	kW	List
TES-M037S2W	709881	TESLA Motor 240V 2 Wire, 0.5hp	0.37	\$999
TES-M055S2W	709884	TESLA Motor 240V 2 Wire, 0.75hp	0.55	\$1,079
TES-M075S2W	709887	TESLA Motor 240V 2 Wire, 1.0hp	0.75	\$1,199
TES-M110S2W	709890	TESLA Motor 240V 2 Wire, 1.5hp	1.1	\$1,349



BOREHOLE

BOREHOLE PUMP ACCESSORIES

Part Number	Item Code	Description	List
BIA-iPROTECT	802697	Pump Protection Control 240V, 0.37-2.2kW	\$549
TES-GUARDIAN-1E	709877	Probeless Management Control 415V 9A, 3.0kW, 4.0hp.	\$1,049
TES-GUARDIAN-2E	709878	Probeless Management Control 415V 18A, 7.5kW, 10.0hp.	\$1,449
DAB-SBC-SS-V2	807997	Bore Cap 1-1/2" and 2" 304 Stainless Steel	\$299
DAB-SDC2.5	701948	Electrical Drop Cable 2.5mm 3 core + earth (per meter)	\$30
DAB-SDC3G4	805894	Electrical Drop Cable 4.0mm 2 core + earth (per meter)	\$20
DAB-SSR	702722	Synthetic Cable Rope per metre	\$5
TES-MOTCABLE1.7	709908	TESLA Flat Cable for Motor 1.5m	\$169
TES-MOTCABLE2.7	709909	TESLA Flat Cable for Motor 2.5m	\$219
WHI-JKIT	701610	Splice Kit for 1.5 - 6mm Cable	\$85
DAB-SA10032	805677	Shroud Adaptor 100mm x 32mm	\$125
DAB-SA10050	805678	Shroud Adaptor 100mm x 50mm	\$125
DAB-F2002000	805679	Pontoon Float 200mm x 2000mm, loads up to 29kg	\$1,449
DAB-ANODE 4GG <3KW	807743	ANODE 4GG < 3KW	\$199
DAB-ANODE 4GG >2.2KW	807744	ANODE 4GG > 2.2KW	\$229
DAB-ANODE 4OL	807745	ANODE 4OL	\$249
DAB-6BARPS	701440	Telemecanique Pressure Switch 6 BAR	\$79
DAB-12BARPS	701380	Telemecanique Pressure Switch 12 BAR	\$89
DAB-3WT	701423	Three Way Tee 1"x1"x1" Bronze	\$40
DAB-5WT	701431	Five Way Tee 1/4"x1/4"x1"x1"x1" Bronze	\$55
DAB-NRV25FM	701758	Check Valve 1" Bronze F/M	\$90
DAB-NRV25MF	701759	Check Valve 1" Bronze M/F	\$91
DAB-STR25M	702726	Screw In Strainer 1" Bronze	\$25
FOOTVALVE	Non-return valve 1" = (NRV25FM) and Strainer 1" (STR25M)		



iPROTECT



Pontoon Float



A close-up photograph of water being poured from a dark, metallic pipe into a body of water. The water is captured in mid-pour, creating a dynamic splash and numerous bubbles on the surface. The background is a blurred blue, suggesting a large body of water or a sky. The overall tone is cool and industrial.

WASTEWATER & DRAINAGE



SUBMERSIBLE PUMPS

WHEN THE GOING GETS TOUGH...





DAB FX RANGE

A stronger and robust range. Design was carried out with absolute reliability and strength in mind. The double silicon carbide mechanical seals are entirely enclosed in the oil chamber to avoid direct contact with the pumped liquid.

The high standard of construction, including the motor shaft in corrosion resistant stainless steel AISI 304, the external cataphoresis and two component coating and the resin sealed cable gland, guarantee the long life of the range.

The new FX range also comes with new motors more compact than ever, sized to guarantee resistance to clogging and consistent performance.

The FX range tackles the issue of efficiency from every point of view. Advanced research into computational fluid dynamic analysis (CFD) has allowed improved performance in terms of efficiency and increased the capacity to manage sewage water. The FX range comes with high energy efficient motors that permit lower power ratings. These guarantee the same performance as a more powerful pump.

The new FX range is available with accessories to make the replacement of old models and system upgrades as easy as possible. The reduced overall size, complete with threaded flange connection, makes installation even simpler.

Features:

- Suitable for pumping stations for lifting and transfer of sewage and drain water from residential or commercial buildings
- Suitable for the draining of car parks, garages, roads below ground level and environments prone to flooding
- Suitable for the transfer of sewage water from industrial processes
- The pumps in the FX range meet the most stringent quality standards and are compliant with waste water standards EN 12050.
- The new, compact motors are designed to increase the starting torque and reduce the risk of clogging. Now more efficient than ever, they allow the FX pumps to run even when not fully submerged to permit complete emptying of the tanks.
- The pumps in the FX range have a structure with three levels for quick access to all the main components, greatly facilitating maintenance. The spare parts have also been unified and made universal for the entire range.



Part Number	Item Code	kW	HP	Max Head (m)	Max Flow (lpm)	Outlet (BSPF)	Power Cable	Amps	Volts (V)	List	
FXC											
DAB-FEKAFXC20.07MEX	809448	0.7	1	9.8	600	RP2" - DN50PN10/6	10m x 07RN8-F	4.1	240	\$1,799	
DAB-FEKAFXC20.07TEX	809449							1.8	415	\$1,699	
DAB-FEKAFXC20.11MEX	809450	1.0	1.3	12.4	720			6.3	240	\$2,099	
DAB-FEKAFXC20.11TEX	809451							2.6	415	\$2,099	
DAB-FEKAFXC20.15MEX	809452	1.5	2	15.3	840			9.1	240	\$2,399	
DAB-FEKAFXC20.15TEX	809453							3.5	415	\$2,299	
DAB-FEKAFXC20.22TEX	809454	2.2	2.9	19.1	960			4.9			\$2,699
GRINDER FX											
DAB-GRINDER15.07MEX	809455	0.8	1.1	16.9	240	RP1-½" - DN32PN10/6, DN40PN6	10m x 07RN8-F	5.3	240	\$2,699	
DAB-GRINDER15.07TEX	809456							2.0	415	\$2,599	
DAB-GRINDER15.11MEX	809457	1.1	1.5	24.9	320			6.8	240	\$3,099	
DAB-GRINDER15.11TEX	809458							2.8	415	\$2,999	
DAB-GRINDER15.15MEX	809459	1.5	2.2	27.3				9.8	240	\$3,399	
DAB-GRINDER15.15TEX	809460							3.8	415	\$3,199	
DAB-GRINDER15.22TEX	809461	2.2	2.8	32.8					4.7	415	\$3,499

Grinder FX - Perfect SEG replacement

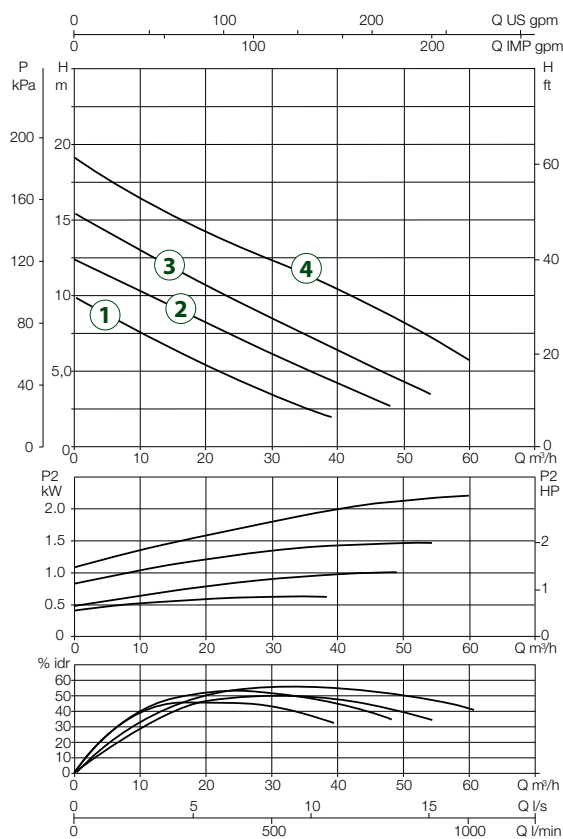
Accessories

Part Number	Item Code	Description	List
WHI-CLAW-SEG	807150	Adaptor to suit Grundfos SEG rail system	\$199
WHI-FLT2	711391	Flygt Adaptor 2", 3/4" Guide Rails	\$299
WHI-NRVBALL40	711469	Ball Type Non-Return Valve	\$349
WHI-NRVBALL50	711470	Ball Type Non-Return Valve	\$429
WHI-CF50V	711149	Coupling Device with Vertical Outlet	\$699
WHI-CFBALL50V	711155	Coupling Device C/W Ball NRV and Bleed, Vertical Outlet	\$949



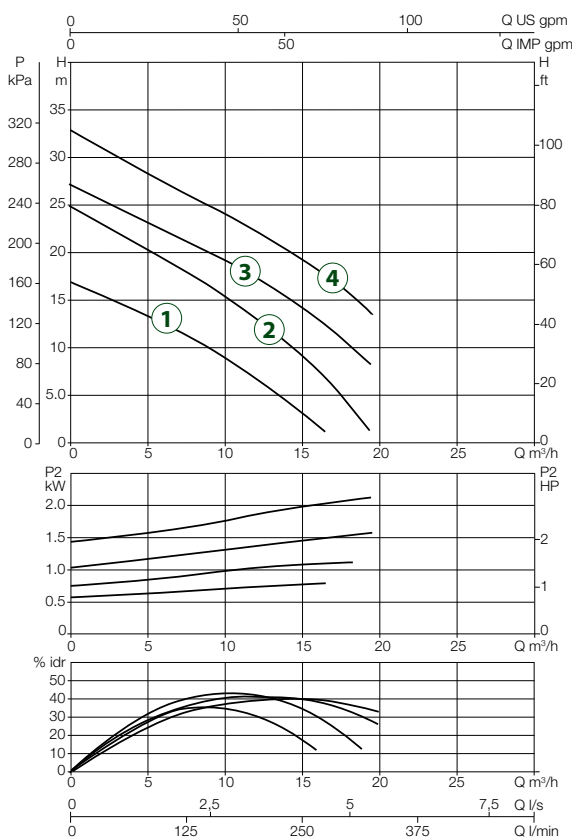
PERFORMANCE CURVES:

Feka FXC



①	DAB-FEKAFC20.07	③	DAB-FEKAFC20.15
②	DAB-FEKAFC20.11	④	DAB-FEKAFC20.22

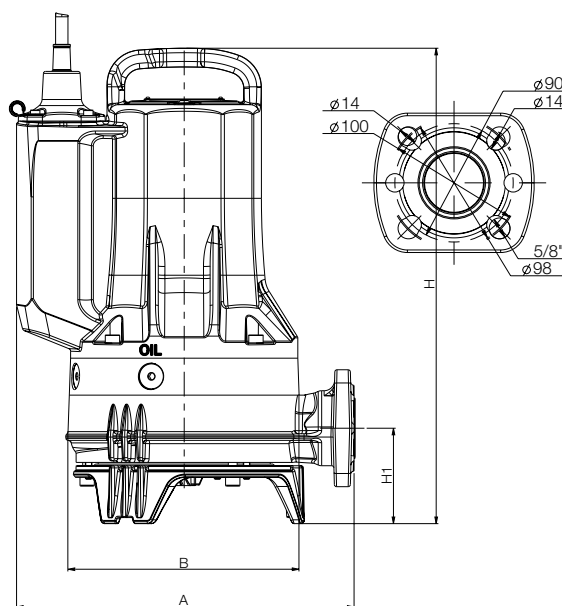
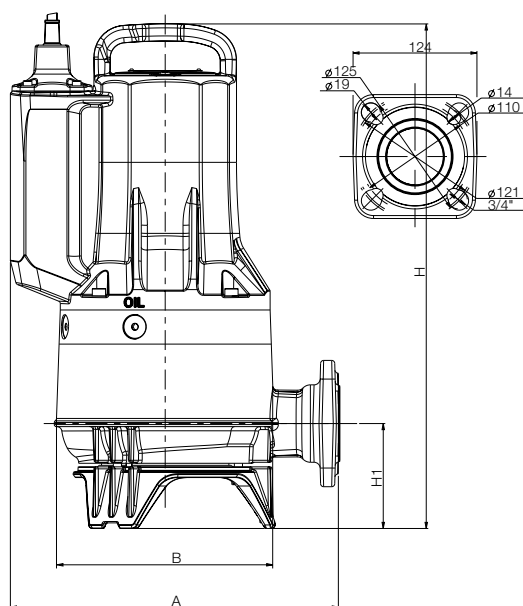
Grinder



①	DAB-GRINDER15.07	③	DAB-GRINDER15.15
②	DAB-GRINDER15.11	④	DAB-GRINDER15.22

The performance curves are based on kinematic viscosity values = 1 mm²/S and density equal to 1000 kg/m³. Curve tolerance according to ISO9906.

DIMENSIONAL DRAWINGS:



MODEL	A	B	H	H1	WEIGHT Kg
DAB-FEKAFC20.07MEX	322	210	469	103	37
DAB-FEKAFC20.07TEX			487		
DAB-FEKAFC20.11MEX		218	496		42
DAB-FEKAFC20.11TEX			512		43

MODEL	A	B	H	H1	WEIGHT Kg
DAB-GRINDER15.07MEX	306	215	404	87	35
DAB-GRINDER15.07TEX			421		
DAB-GRINDER15.11MEX			430		38
DAB-GRINDER15.11TEX			448		39



SUBMERSIBLE PUMPS

MAIN CHARACTERISTICS



1 - Compact motors
with high starting torques
to reduce the clogging



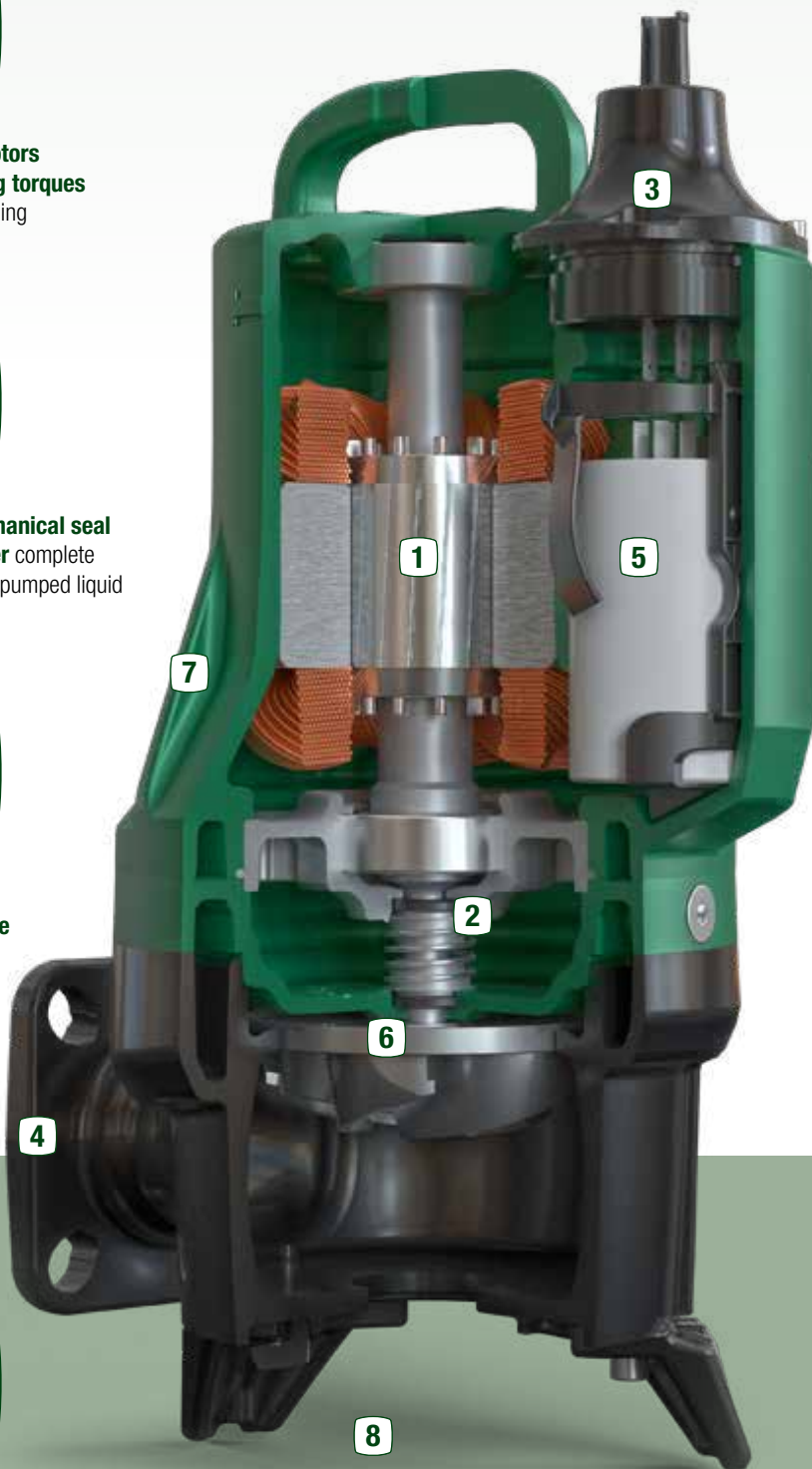
2 - Double mechanical seal
in the oil chamber complete
protected from the pumped liquid



3 - Anti-leakage
resin sealed cable
gland with fast
connections



4 - Delivery port both
threaded and flanged
to increase the flexibility
of installation



5 - Condenser compartment
easy to access for inspection
and maintenance



6 - Anti-corrosion
stainless steel motors
shaft. AISI 304



7 - Cataphoresis and
two-component coating
to guarantee high resistance



8 - Rubber disc for
increasing stability for the
pump in mobile installations



With **40 years experience** and over **4,000,000 pumps sold**, the **NOVA and FEKA pumps** can solve all issues relating to the drainage of wastewater for domestic and residential applications. The new **NOVA and FEKA** were redesigned to mark the occasion of forty years on the market and to make them even more reliable, robust and ergonomic.



RESIDENTIAL BUILDING SERVICE

- Domestic waste water
- Rainwater or groundwater
- Emptying of wells or collection tanks
- Emptying of swimming pools or rooms prone to flooding



NEW DESIGN

REASONS TO CHOOSE THE NEW NOVA AND FEKA SUBMERSIBLE PUMPS

HIGH PERFORMANCE

NOVA and FEKA have professional features such as the oil chamber triple seal and lubricated bearings.

BETTER PROTECTION AGAINST CORROSION

Motor in AISI 304 Stainless Steel and shaft in AISI 431 steel for better protection against corrosion.

EASE OF USE

Light and compact, suitable for fixed and mobile installations with connectors for vertical delivery and a horizontal delivery port in metal.





DAB DRAINAGE PUMPS

NOVA SERIES

The submersible pump of the NOVA range is suitable for automatically operated fixed domestic applications for draining basements that are subject to flooding. Pumped liquid must be clean or slightly soiled without fibres. Pumps can accommodate small particles up to 10mm (5mm for NOVA 180 & NOVA 200).

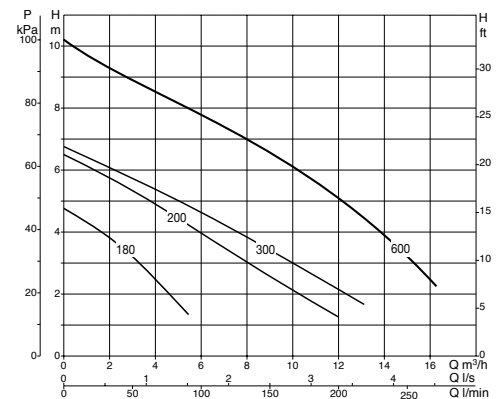
NOVA can also be used as a portable pump for emergencies such as lifting water from tanks or rivers, emptying swimming pools, fountains and excavations. It is also ideal for gardening and hobby applications in general.

Features:

- Reinforced rigid plastic body: non-corrosive for long life
- 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
- Fixed arm float for increased reliability and reduced interference



PERFORMANCE CURVE:



Part Number	Item Code	kW	HP	Volts	Operation	Includes Rigid Float Arm	Max Head (m)	Max Flow (lpm)	Ports	List
DAB-NOVA200	701751	0.22	0.3	240	Manual	No	6.6	200	1¼" BSPF Out	\$499
DAB-NOVA180A	701750				Automatic	Yes	4.8	90		\$419
DAB-NOVA300A	808967						6.8	217		\$471
DAB-NOVA600A	701753	0.55	0.75				10.2	270		\$779

VERTY NOVA

Submersible pumps specifically designed for use in narrow pits with dimensions down to 20cm x 20cm.

The vertical delivery draining submersible pump is ideal for pits and confined spaces where floats do not work.

Suitable for domestic, automatically operated fixed applications and draining basements that are subject to flooding. Suitable to pump clear water containing particles with maximum diameter up to 5mm.

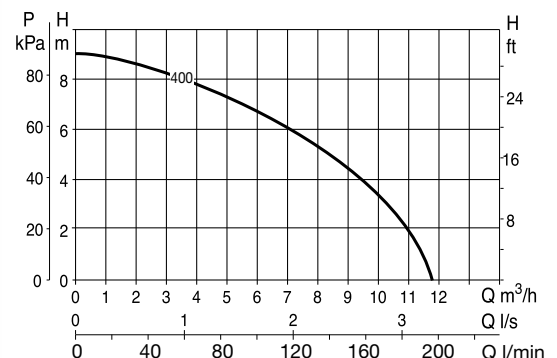
Features:

- Pump with built-in float switch, 10m power cable
- Anti-corrosive and rust-proof materials
- Low suction capability: 2-3mm (manual mode)
- A pump priming limit: 10-15mm (manual mode)
- Lever for manual or automatic operation. Easy access through sliding cover to float switch for cleaning.
- Excellent cooling of the motor then enables the pump to operate even when it is partially submersible
- Supplied with power cable with plug, non return valve and 4-step fitting



Automatic or Manual operation

PERFORMANCE CURVE:



Part Number	Item Code	kW	HP	Volts	Operation	Max Head (m)	Max Flow (lpm)	List
DAB-VERTYNOVA400M	702737	0.4	0.55	240	Automatic / Manual	9	195	\$519



ZENIT DRAINAGE PUMPS

DR Steel Series

High-performance, compact stainless steel submersible pumps for optimal service in household installations and light commercial applications.

DR series pumps are suitable for clean water applications containing solids up to 12mm and can be used for draining rooms, emptying tanks, draining water from ponds, streams and pits and also for rainwater collection.

With an electromechanical assembly in AISI304 chrome-nickel steel for submerged operation, the pump is fitted with two opposing mechanical seals in silicon carbide and alumina graphite in the oil sump with food-grade oil lubrication and a v-ring in direct contact with the liquid.

The DR Steel easily converts from an ordinary submersible pump to a dry floor unit. When operating in this mode, the suction level can be reduced to as little as 5mm above the ground.



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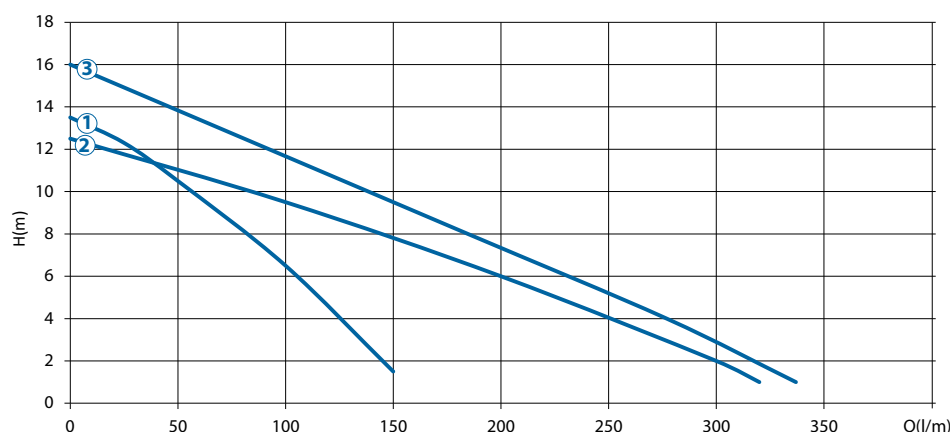


DR STEEL 37

DR STEEL 75

CUTAWY

PERFORMANCE CURVE:



1	ZEN-DRSTEEL37MA
2	ZEN-DRSTEEL55MA
3	ZEN-DRSTEEL75MA

Part Number	Item Code	kW	HP	Volts	Max Head (m)	Max Flow (lpm)	Max Solid Size (mm)	Ports	Amps	Automatic	List
ZEN-DRSTEEL37MA	711352	0.37	0.5	240	13.6	150	10	1¼" BSPF Out	3.0	Yes	\$999
ZEN-DRSTEEL55MA	711354	0.55	0.75		12.4	300	12	1½" BSPF Out	4.3		\$1,249
ZEN-DRSTEEL75MA	711355	0.75	1.0		16.0	330			5.6		\$1,349



CAPACITOR/RELAY

Single-phase models have internal capacitor. Three-phase models have relay for float-switch control of start/stop cycles.

HANDLE

In AISI 304 stainless steel with ergonomic, insulating techno-polymer coating.



CABLE GLAND

Cable gland system with dual safety device to prevent disconnection even in case of accidental pulling.

MECHANICAL SEALS

Double silicon carbide seal in oil chamber with food-grade oil lubrication.



ADJUSTABLE FLOAT SWITCH

Float switch stroke adjustment system for modification of start-stop levels.

DRIVE SHAFT

Integral drive shaft in AISI 431 stainless steel for high strength and to allow use with brine or chlorine.

V-RING

The V-Ring in direct contact with the liquid protects the mechanical seals from foreign bodies to keep them in good working condition.

THERMAL PROTECTION

Dry motor protection with thermal overload.

IMPELLER

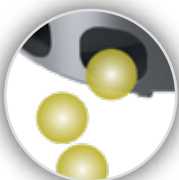
In AISI 304 stainless steel.



FREE PASSAGE

[DG steel]

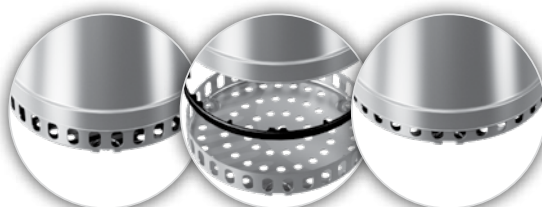
Free passage up to 40 mm.



STRAINER

[DR steel]

The DR Steel easily converts from an ordinary submersible pump to a dry floor unit. When operating in this mode, the suction level can be reduced to as little as 5 mm above the ground.



OIL CHAMBER

Large oil chamber guarantees long mechanical seal lifetime.



SLIDING VERTICAL FLOAT SWITCH

[Optional]

The float switch stroke can be adjusted to modify the start/stop level and optimise operation. The vertical travel level switch is available for installation in small pits.





ZENIT DRAINAGE PUMPS

DR Blue Series

Open Multi-Vane Fully Submerged Impeller

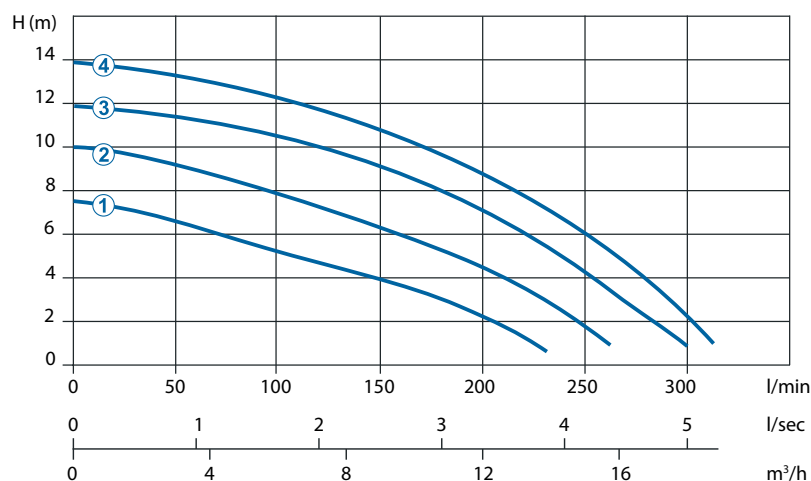
Suitable and reliable for domestic use, including heavy-duty applications including underground car parks. For use with clear or slightly soiled wastewaters containing small solids, strained water, rainwater, seepage and water pumped from underground.



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PERFORMANCE CURVE:



①	ZEN-DRBLUE40/2/G32VMEX ZEN-DRBLUE40/2/G32VMGEX
②	ZEN-DRBLUE50/2/G32VMEX ZEN-DRBLUE50/2/G32VMGEX
③	ZEN-DRBLUE75/2/G32VMEX ZEN-DRBLUE75/2/G32VMGEX
④	ZEN-DRBLUE100/2/G32VMEX ZEN-DRBLUE100/2/G32VMGEX

Part Number	Item Code	kW	HP	Volts	Includes IECEx Float Switch	Max Head (m)	Max Flow (lpm)	Particle Size (mm)	Ports	Amps	List
ZEN-DRBLUE40/2/G32VMEX	800340	0.3	0.4	240	No	7	210	7	1¼" BSPF Out	2.3	\$899
ZEN-DRBLUE40/2/G32VMGEX	800342				Yes					2.3	\$949
ZEN-DRBLUE50/2/G32VMEX	711287	0.37	0.5		No	9.5	240			2.8	\$999
ZEN-DRBLUE50/2/G32VMGEX	711707				Yes					2.8	\$1,049
ZEN-DRBLUE75/2/G32VMEX	711290	0.55	0.75		No	12	300			4.1	\$1,149
ZEN-DRBLUE75/2/G32VMGEX	711708				Yes					4.1	\$1,249
ZEN-DRBLUE100/2/G32VMEX	711280	0.75	1.0		No	14.2	330			5.6	\$1,449
ZEN-DRBLUE100/2/G32VMGEX	800343				Yes					5.6	\$1,499

Accessories

Part Number	Item Code	Description	List
ZEN-NRVBALL32	711468	Ball Type Non-Return Valve	\$299



ZENIT DRAINAGE PUMPS

DR BluePRO Series

Open Multi-Vane Fully Submerged Impeller

Suitable for use with clear or slightly soiled wastewaters containing small solids, strained water, rainwater, seepage and water pumped from underground, where high pumping rates are required.

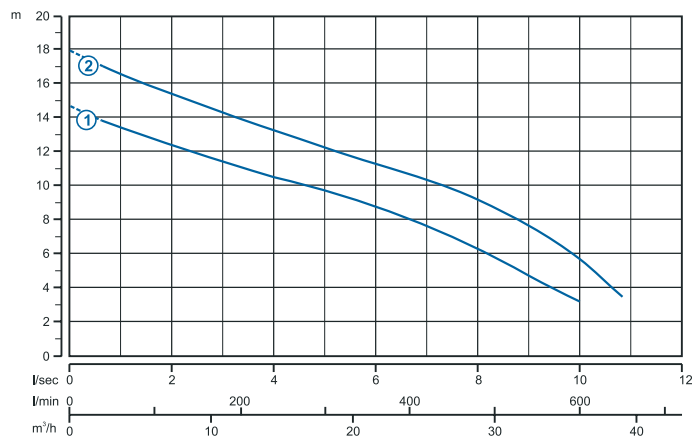
This electric pump is intended for both domestic and professional use including underground car parks.



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PERFORMANCE CURVE:



①	ZEN-DRBLUEP150/2/G50VMEX
	ZEN-DRBLUEP150/2/G50VMGEX
	ZEN-DRBLUEP150/2/G50VTEX
②	ZEN-DRBLUEP200/2/G50VMEX
	ZEN-DRBLUEP200/2/G50VMGEX
	ZEN-DRBLUEP200/2/G50VTEX

WASTEWATER & DRAINAGE

Part Number	Item Code	kW	HP	Volts	Includes IECEx Float Switch	Max Head (m)	Max Flow (lpm)	Particle Size (mm)	Ports	Amps	List
ZEN-DRBLUEP150/2/G50VMEX	711294	1.1	1.5	240	No	14.4	600	10 x 30	2" BSPF Out	7.5	\$1,749
ZEN-DRBLUEP150/2/G50VMGEX	711709				Yes					7.5	\$1,799
ZEN-DRBLUEP150/2/G50VTEX*	711297			No	3.2					\$1,749	
ZEN-DRBLUEP200/2/G50VMEX	711298	1.5	2.0	240	No	17	690			10.0	\$2,099
ZEN-DRBLUEP200/2/G50VMGEX	711710				Yes					10.0	\$2,149
ZEN-DRBLUEP200/2/G50VTEX*	711301			415	No					4.3	\$2,049

*3 phase pumps require contactor and overload.

Accessories

Part Number	Item Code	Description	List
ZEN-CFBLUE50MM	802109	Discharge Pedestal To Suit BluePRO 50mm	\$899
WHI-NRVBALL50	711470	Ball Type Non-Return Valve	\$429



ZENIT DRAINAGE PUMPS

DRE Horizontal Outlet Series

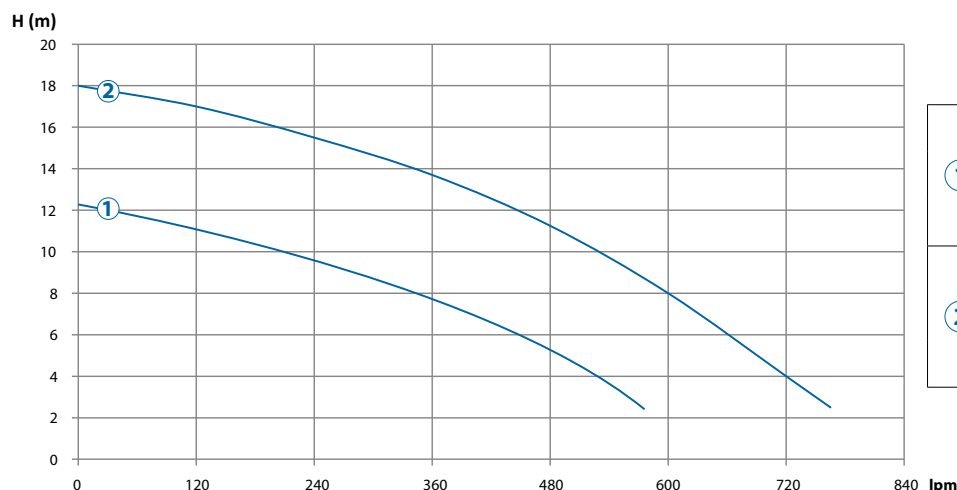
Can be used with clear or slightly soiled waste waters containing small solids, strained water, rainwater, seepage and water pumped from underground. Suitable for specifically domestic use.



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PERFORMANCE CURVE:



①	ZEN-DRE100/2/G50HMSIC
	ZEN-DRE100/2/G50HMGSIC
	ZEN-DRE100/2/G50HTSIC
②	ZEN-DRE200/2/G50HMSIC
	ZEN-DRE200/2/G50HMGSIC
	ZEN-DRE200/2/G50HTSIC

Part Number	Item Code	kW	HP	Volts	Includes Float Switch	Max Head (m)	Max Flow (lpm)	Particle Size (mm)	Ports	Amps	List
ZEN-DRE100/2/G50HMSIC	711306	0.88	1.2	240	No	12.5	540	15	2" BSPF Outlet	6.5	\$1,599
ZEN-DRE100/2/G50HMGSIC	711305			240	Yes					6.5	\$1,649
ZEN-DRE100/2/G50HTSIC	711309			415	No					2.3	\$1,649
ZEN-DRE200/2/G50HMSIC	711318	1.5	2.0	240	18.1	720	9.3			\$2,349	
ZEN-DRE200/2/G50HMGSIC	711317			240			Yes			9.3	\$2,399
ZEN-DRE200/2/G50HTSIC	711320			415			No			3.5	\$2,399


BUILDING SERVICES DISCOUNT APPLIES FOR THESE PRODUCTS

ZENIT DRAINAGE PUMPS

SME Cast Iron Industrial Series

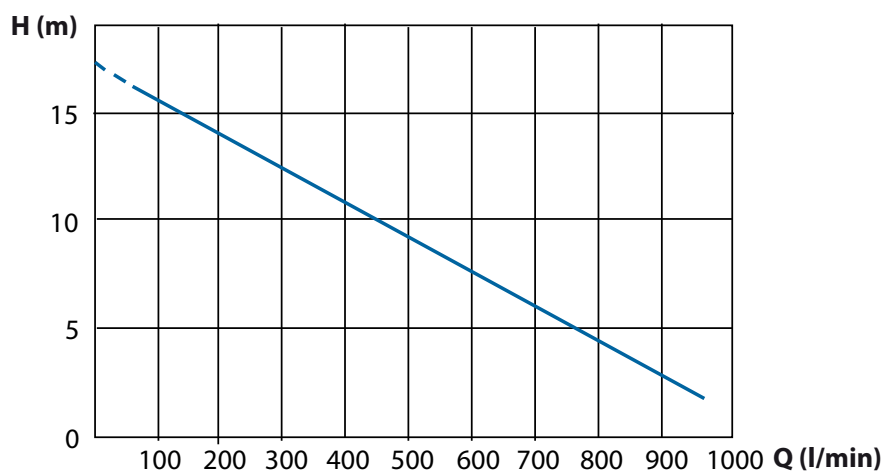
High efficiency pump suitable for pumping storm water, waste water in small sewer systems, livestock farms, the food industry, agriculture and irrigation. Cast iron construction with stainless steel handle and one silicon mechanical seal.



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 WASTEWATER &
 DRAINAGE

PERFORMANCE CURVE:



①

ZEN-SME200/2/2-80HM
ZEN-SME200/2/2-80HT

Part Number	Item Code	kW	HP	Volts	Includes Float Switch	Max Head (m)	Max Flow (lpm)	Outlet	Amps	List
ZEN-SME200/2/2-80HM	711509	1.5	2.0	240	No	16.8	960	DN 80mm/2" BSPF	9.3	\$1,549
ZEN-SME200/2/2-80HT*	711510			415					3.6	\$1,649

*3 phase pumps require contactor and overload.



BUILDING SERVICES DISCOUNT APPLIES FOR THESE PRODUCTS

ZENIT DRAINAGE PUMPS

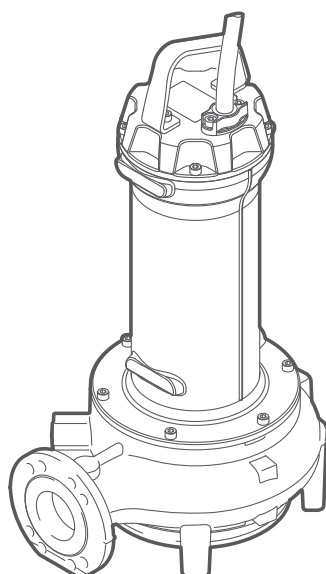
DRG Cast Iron Industrial ATEX Series

Suitable for use in applications that have unstrained soiled biological wastewaters and sewage and also for civil lifting applications.

The DRG can be used in wastewater treatment plants, sewer systems, livestock farms, industry and agriculture.

Cast iron construction with 2 opposed silicon carbide mechanical seals in an inspectable oil sump, antilogging system.

Suitable for use in underground car parks.
ATEX certified Ex d.



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Zone 1
Approved

Part Number	Item Code	kW	HP	Volts	Poles	Includes Float Switch	Max Head (m)	Max Flow (lps)	Outlet (mm)	Ring Stand Required	Amps	List
ZEN-DRG250/2/80HL0ATEX	807383	1.8	2.4	415	2	No	15.6	25.1	DN 80	ZENS9024.010		\$2,849
ZEN-DRG300/2/80HE0ETEX	807384	2.2	3.0				17.1	25.5				\$3,499
ZEN-DRG400/2/80HE0ETEX	807385	3.0	4.0				21.2	28.6				\$3,849
ZEN-DRG550/2/80HB0FTEX	807386	4.0	5.5				16.7	36.8		\$5,399		
ZEN-DRG750/2/80HA0FTEX	807387	5.5	7.5				25.1	41.2		\$7,099		
ZEN-DRG1000/2/80HA0FTEX	807388	7.5	10.0				34.9	45.1		\$8,349		
ZEN-DRG200/4/80HM0ETEX	807389	1.5	2.0	4		8.2	25.8		ZENS9024.007	\$3,999		
ZEN-DRG300/4/80HG0ETEX	807390	2.2	3.0			12.1	32.3			\$4,699		
ZEN-DRG400/4/80HH0ETEX	807391	3.0	4.0			13.9	34.8			\$4,849		
ZENS9024.006	711487	Ring Stand									\$100	
ZENS9024.010	805879										\$120	
ZENS9024.007	711488										\$295	

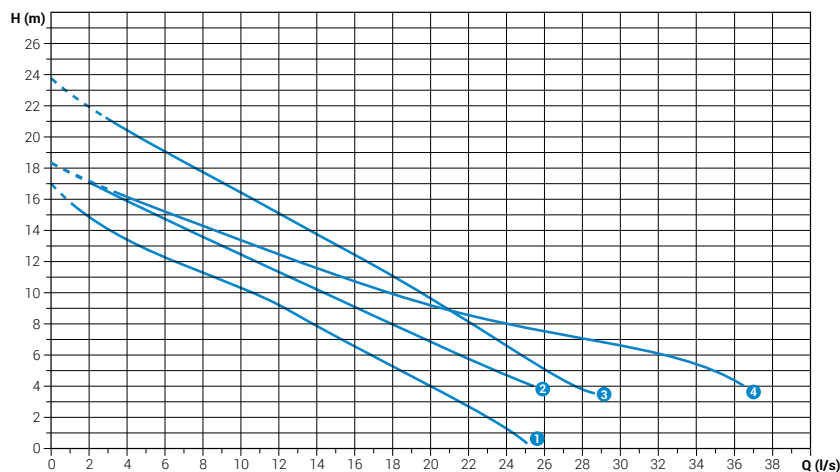
The above 3 phase pumps require contactor and overload.

Accessories - Adaptors

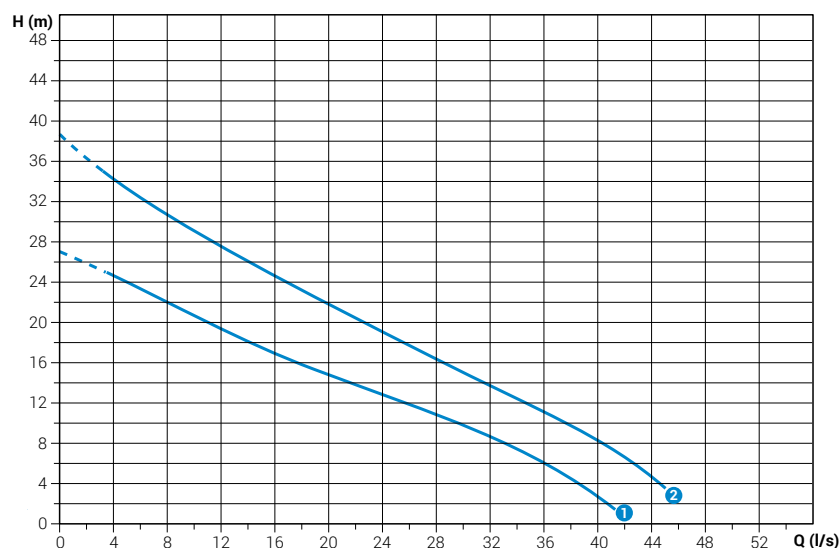
Part Number	Item Code	Description	List
ZEN-FLT80	711392	Adaptor to suit Flygt rail system	\$699


BUILDING SERVICES DISCOUNT APPLIES FOR THESE PRODUCTS

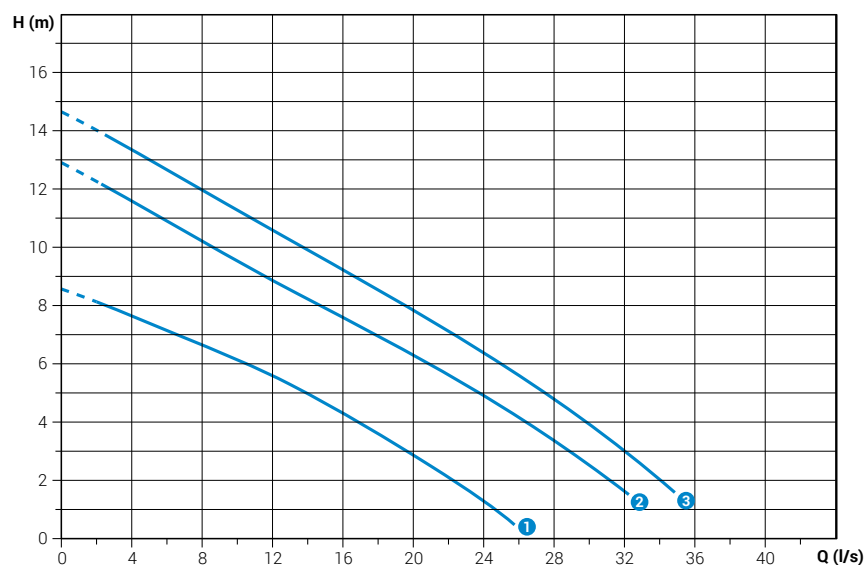
DRG - DRAINAGE - ATEX PUMP CURVES



①	ZEN-DRG250/2/80HL0ATEX
②	ZEN-DRG300/2/80HE0ETEX
③	ZEN-DRG400/2/80HE0ETEX
④	ZEN-DRG550/2/80HB0FTEX



①	ZEN-DRG750/2/80HA0FTEX
②	ZEN-DRG1000/2/80HA0FTEX

 WASTEWATER &
DRAINAGE


①	ZEN-DRG200/4/80HM0ETEX
②	ZEN-DRG300/4/80HG0ETEX
③	ZEN-DRG400/4/80HH0ETEX



BIANCO DRAINAGE PUMPS

JH Submersible Series

Suitable for all clean de-watering tasks including emptying sumps, flooded areas and drawing water from shallow wells. Ideal for pits and confined spaces where floats do not work.

Features:

- Simple installation, light and compact
- Fully automatic operation, float controlled
- Supplied complete with 10 metres of electric cable (H07RNF)
- Mechanical Seal - carbon/ceramic/nitrile



BIA-JH400S2
Includes Float

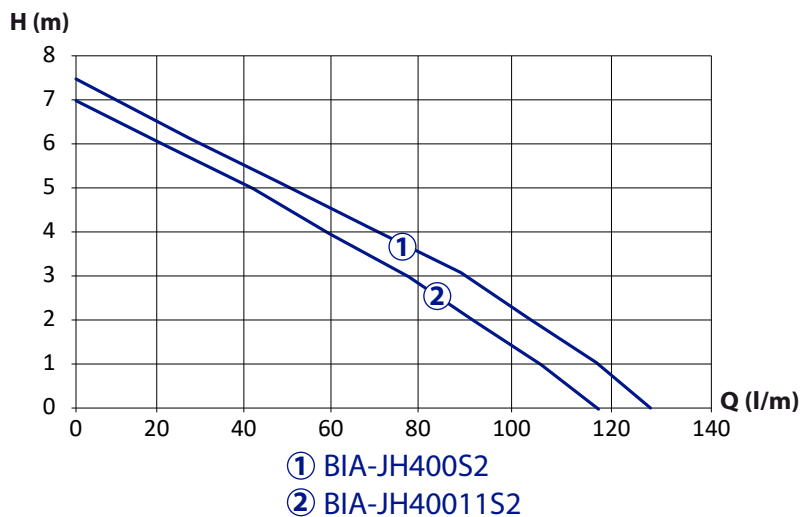


BIA-JH40011S2
Built-in float

**BIANCO
PUMPZ**



PERFORMANCE CURVE:



Part Number	Item Code	Type	kW	HP	Volts	Construction Materials	Max Head (m)	Max Flow (lpm)	Ports	List
BIA-JH400S2	803067	Automatic	0.4	0.55	240	Plastic	7.3	127	1½" BSPF Out	\$249
BIA-JH40011S2	803068						7.0	118		\$249





BIANCO DRAINAGE PUMPS

Commercial Construction Pump Series

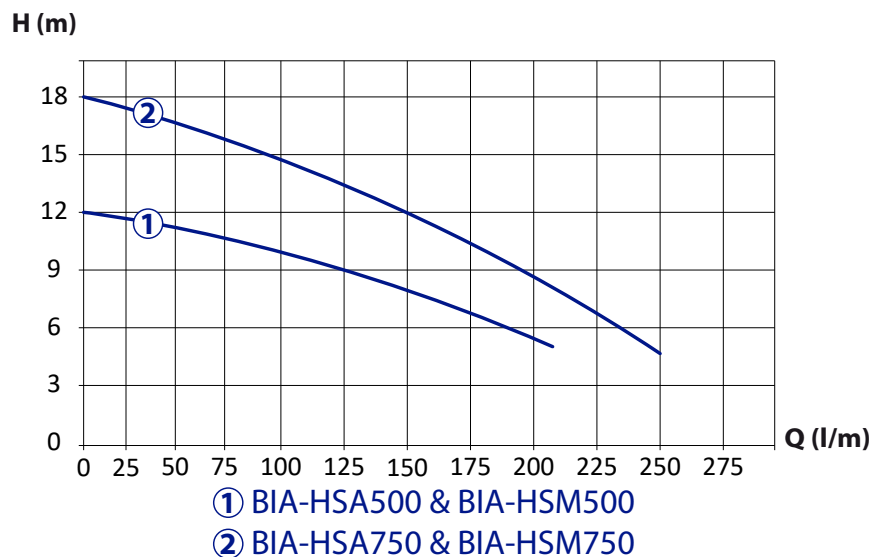
Designed for de-watering of construction sites, pits, storm water and basements where there is abrasive material.

Features:

- Industrial grade coating
- Stainless Steel Handle
- Easy service round style float
- Corrosion resistant pump components
- Automatic and manual operations available
- Dual mechanical seal in oil bath, silicon carbide/silicon carbide + carbon ceramic
- Fitted with semi-vortex, urethane coated impeller which allows pumping of suspended solids, sandy and stringy material
- Agitator on the end of the pump shaft helps prevent clogging
- Versatile outlet connection
- 240V single phase motor with in-built auto reset thermal overload
- 10m of power cable (H07RNF)
- Urethane strainer resists damage
- Can handle particles to 25mm x 10mm
- Water temperature range: 2° to 35°



PERFORMANCE CURVE:



Part Number	Item	kW	Hz	Volts	Max Head (m)	Max Flow (lpm)	IP Rating	Pipe Connection Discharge	Float	List
BIA-HSA500	808479	0.5	50	240	12	210	IP68	2"	Yes	\$529
BIA-HSM500	808480								No	\$479
BIA-HSA750	808481	0.75			18	250			Yes	\$649
BIA-HSM750	808482				No	\$599				
BIA-LAYFLATKIT	700755	Lay Flat 20m 2" Hose								\$209



BUILDING SERVICES DISCOUNT APPLIES FOR THESE PRODUCTS

BIANCO SUBMERSIBLE INDUSTRIAL PUMPS



KT Series

The KT Series is a new range of industrial submersible pumps which are suitable for de-watering of construction sites, tunnels and pumping ground or storm water from residential, commercial, mining and building sites.

The KT Series range uses Hi-Chrome components to achieve superior abrasion resistant submersible pumps.

Features:

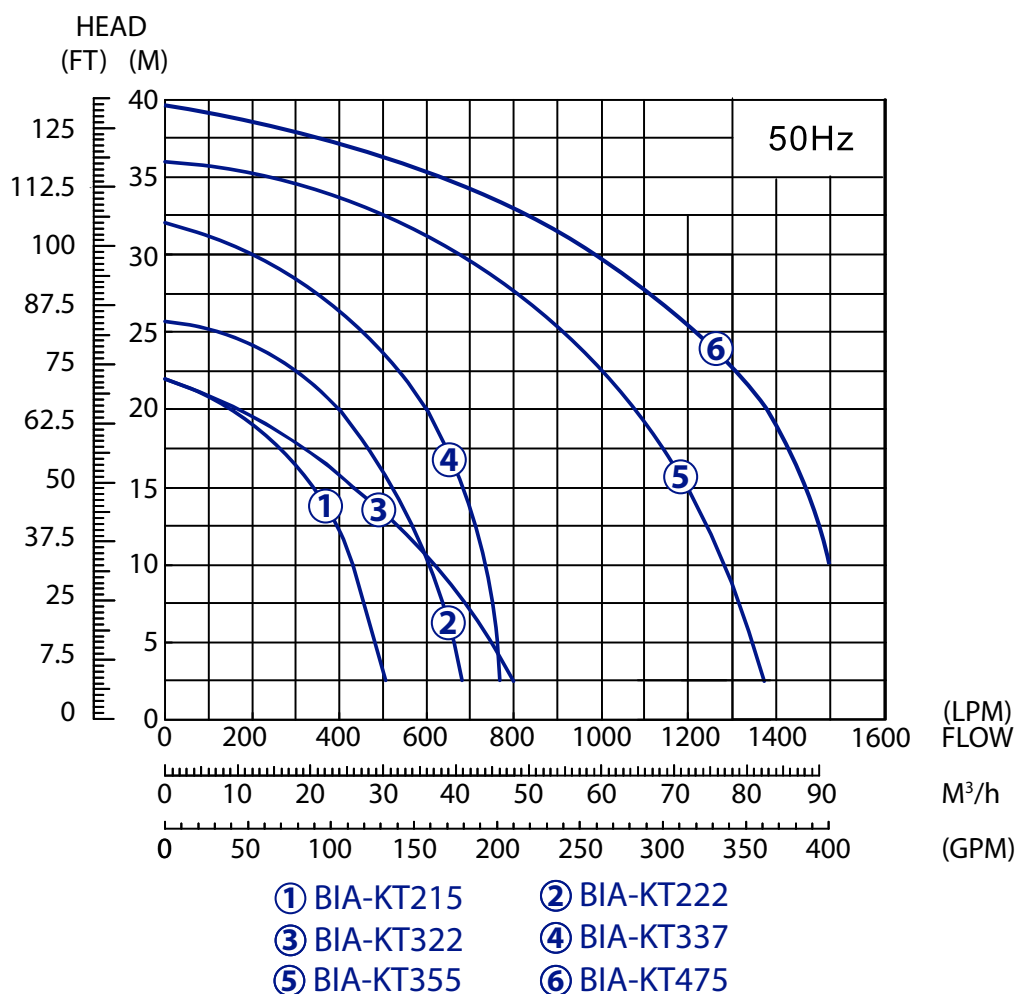
- Industrial grade coating
- Through body motor cooling
- Heavy duty handle
- Hi-Chrome components
- Epoxy resin sealed cable entry
- Stainless steel strainer
- Max water depth: 8m





BUILDING SERVICES DISCOUNT APPLIES FOR THESE PRODUCTS

PERFORMANCE CURVES:



Part Number	Item Code	kW	Hz	Volts	Amps	Max Head (m)	Max Flow (lpm)	IP Rating	Outlet Connection	Float	Weight (kg)	List
BIA-KT215	806182	1.5	50	415	3.2	22	505	68-8m	50mm 2" hose	No	33	\$1,749
BIA-KT222	806183	2.2			5.0	26	670		50mm 2" hose		38	\$1,899
BIA-KT322	806184	2.2			5.0	22	800		80mm 3" hose		38	\$1,899
BIA-KT337	806185	3.7			8.0	32	760		80mm 3" hose		68	\$2,899
BIA-KT355	806186	5.5			11.5	36	1360		80mm 3" hose		78	\$3,999
BIA-KT475	806187	7.5			15.0	39	1550		100mm 4" hose		139	\$5,499

Accessories

Part Number	Item Code	Description	List
BIA-DPC3-40	802692	Dual Pump Control Panel	\$999
BIA-DPC3-110	802693	Dual Pump Control Panel	\$1,149
BIA-iCOVER	802700	Metal enclosure for control panel with lockable door. Includes 803417 audio and visual alarm. 500W x 400H x 200D	\$349
BIA-SK12(5M)	700965	5m Float Switch 10A with HO5 Neoprene Cable	\$50
BIA-SK12(10M)	700962	10m Float Switch 10A with HO5 Neoprene Cable	\$70
BIA-SK12(20M)	700963	20m Float Switch 10A with HO5 Neoprene Cable	\$125
BIA-SK12(30M)	700964	30m Float Switch 10A with HO5 Neoprene Cable	\$180



ZENIT HIGH HEAD PUMPS

AP BluePRO Series

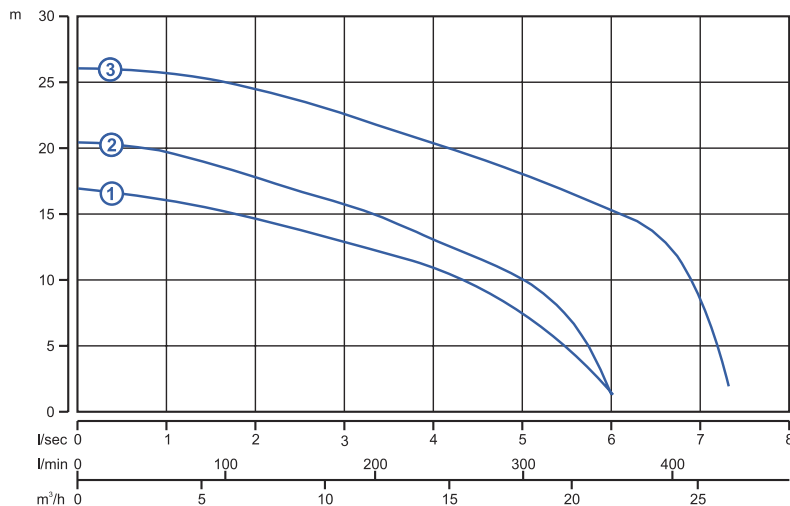
Used for clear wastewater, rainwater and seepage containing small amounts of sand. Its high manometric head makes this series suitable for the creation of water features and decorative fountains. The electric pump is intended for both domestic and professional use and is suitable for underground car parks.



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PERFORMANCE CURVE:



①	ZEN-APBLUEP100/2/G40HMEX ZEN-APBLUEP100/2/G40HMGEX ZEN-APBLUEP100/2/G40HTEX
②	ZEN-APBLUEP150/2/G40HMEX ZEN-APBLUEP150/2/G40HMGEX ZEN-APBLUEP150/2/G40HTEX
③	ZEN-APBLUEP200/2/G40HMEX ZEN-APBLUEP200/2/G40HMGEX ZEN-APBLUEP200/2/G40HTEX



**IECEX
APPROVED
ZONE 2**



Part Number	Item Code	kW	HP	Volts	Includes IECEX Float Switch	Max Head (m)	Max Flow (lpm)	Particle Size (mm)	Ports	Amps	List
ZEN-APBLUEP100/2/G40HMEX	711093	0.75	1.0	240	No	17.3	360	6	1½" BSPF Outlet	5.5	\$1,949
ZEN-APBLUEP100/2/G40HMGEX	711697				Yes					5.5	\$1,979
ZEN-APBLUEP100/2/G40HTEX*	711096			No	2.7	\$1,849					
ZEN-APBLUEP150/2/G40HMEX	711097	240	20.9		7.5	\$2,249					
ZEN-APBLUEP150/2/G40HMGEX	711698			Yes	7.5	\$2,299					
ZEN-APBLUEP150/2/G40HTEX*	711100	1.1	1.5	415	No	26.6	420			3.2	\$2,249
ZEN-APBLUEP200/2/G40HMEX	711101									10.0	\$2,699
ZEN-APBLUEP200/2/G40HMGEX	711699			240	Yes					10.0	\$2,679
ZEN-APBLUEP200/2/G40HTEX*	711104	415	No			4.3	\$2,549				

*3 phase pumps require contactor and overload.

Accessories

Part Number	Item Code	Description	List
WHI-CF50V	711149	Coupling Device With Vertical Outlet	\$699
WHI-NRVBALL50	711470	Ball Type Non-Return Valve	\$429
WHI-NRVBALL40	711469		\$349
WHI-FLT2	711391	Flygt Adaptor 2", 3/4" Guide Rails	\$299



BUILDING SERVICES DISCOUNT APPLIES FOR THESE PRODUCTS

ZENIT HIGH HEAD PUMPS

Cast Iron Industrial APG ATEX Series

Suitable for clear wastewater, rainwater and seepage.

The high head guarantees excellent results for the creation of water features and decorative fountains. Suitable for use in agriculture, irrigation and the fish processing sector. Cast iron construction with 2 x opposed silicon carbide mechanical seals in inspectable oil sump.

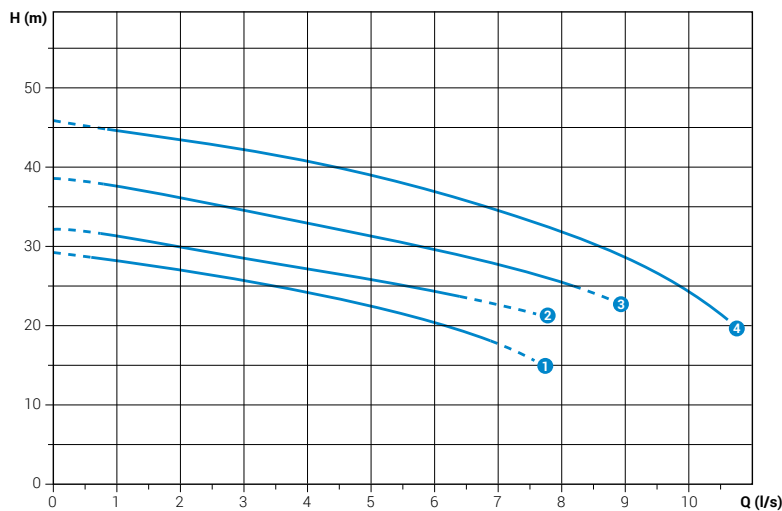
Suitable for use in underground car parks.
ATEX certified Ex d.



Zone 1 Approved



PERFORMANCE CURVE:



①	ZEN-APG300/2/G50HC0ETEX
②	ZEN-APG400/2/G50HDOETEX
③	ZEN-APG550/2/G50HD0FTEX
④	ZEN-APG750/2/G50HA0FTEX



WASTEWATER & DRAINAGE

Part Number	Item Code	kW	HP	Volts	Includes Float Switch	Max Head (m)	Max Flow (lps)	Outlet	Ring Stand	Amps	List
ZEN-APG300/2/G50HC0ETEX	807400	2.2	3.0	415	No	28.7	6.9	G 2" - DN32	ZENS9024.006	4.6	\$3,599
ZEN-APG400/2/G50HDOETEX	807401	3.0	4.0			31.7	6.4			6.4	\$4,099
ZEN-APG550/2/G50HD0FTEX	807402	4.0	5.5			37.9	8.2			7.7	\$5,399
ZEN-APG750/2/G50HA0FTEX	807403	5.5	7.5			44.7	10.3			10.8	\$7,099
ZENS9024.006	711487	Ring Stand									\$100

*3 phase pumps require contactor and overload.

Accessories - Adaptors

Part Number	Item Code	Description	List
WHI-CF50V	711149	Coupling Device With Vertical Outlet	\$699
WHI-NRVBALL50	711470	Ball Type Non-Return Valve	\$429
WHI-FLT2	711391	Adaptor to suit Flygt rail system	\$299
WHI-CLAW	807150	Adaptor to suite Grundfos SEG rail system	\$199



BIANCO HIGH HEAD PUMPS

B42AC Submersible Pump

Designed for pumping fluids uphill and also over long distances.

Applications:

- Pumping clean and pre-treated water
- AWTs – Aerated wastewater treatment systems pump out to dripper beds
- De-watering of cellars, basements and garages

Features:

- Glass filled nylon pump body and Stainless Steel cover for strength and lightness.
- Easy grip, nylon carry handle
- Triple seal system: dual mechanical seal (carbon ceramic) in oil bath and Oil Seal
- 3 Stage High Head pump with durable Noryl impellers
- Elevated (88mm) suction intake with algae-resistant slotted strainer
- 10m Power lead and automatic Float Switch
- All cables to H07RNF standard
- Built in auto-resetting thermal overloads

Benefits:

- Strainer design improves water flow and prevents blockage from algae growth
- Elevated intake draws oxygenated water from higher in tank and avoids sludge layer
- Leads to improved water quality with lower algae and anaerobic matter for better smelling water and cleaner clothes washing
- Quality pump materials assist with longer pump life while still being light to lift and lowered
- Low energy usage

DESIGNED FOR AWTs
AERATED WASTEWATER
TREATMENT SYSTEMS

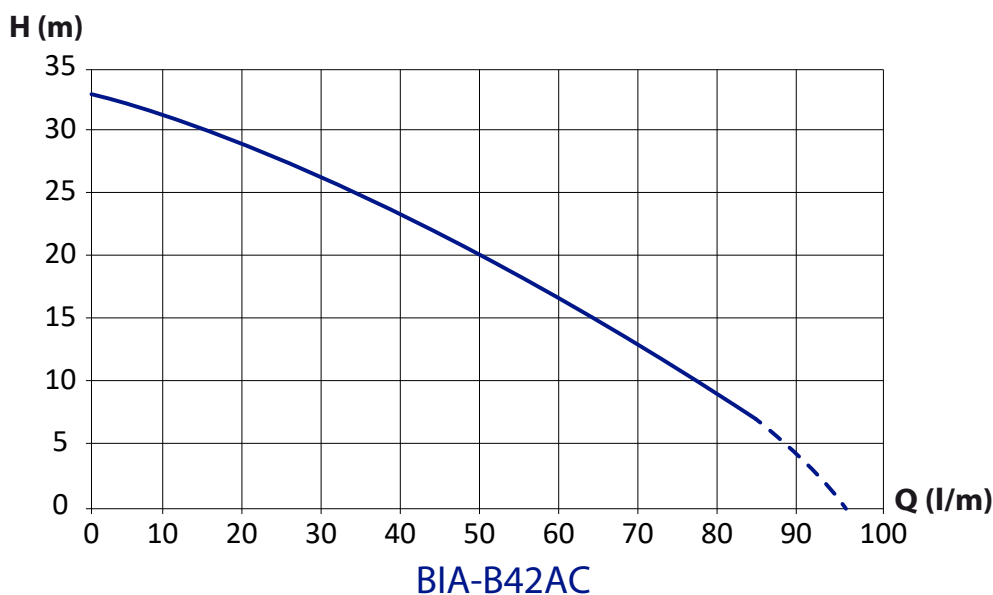
**BIANCO
PUMPZ**

BIANCO
3
YEAR PUMP WARRANTY

**EQUIVALENT
REPLACEMENT FOR
D42AB**



PERFORMANCE CURVE:



Part Number	Item Code	kW	HP	Volts	Max Head (m)	Max Flow (lpm)	Ports	Max. Solid Size (mm)	List
BIA-B42AC	805140	0.55	0.75	240	32	95	1" BSPF Out	3	\$649



BIANCO VORTEX PUMPS

**BIANCO
PUMPZ**

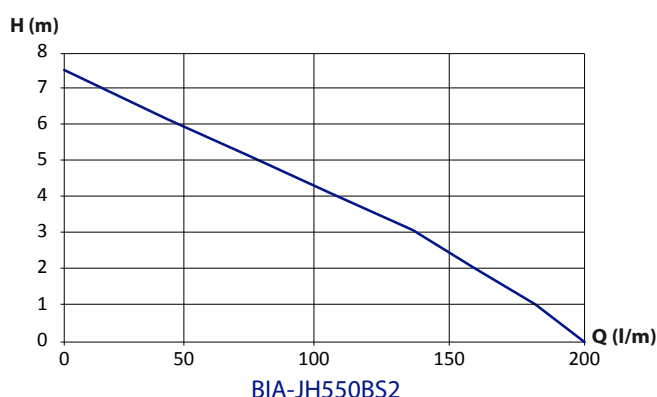

JH Submersible Pump

Vortex drainage pumps are designed to pump water with some organic content including non-abrasive liquids with soft solids in suspension e.g. Leaves and stringy materials. The Vortex is also capable of pumping non-abrasive solids in suspension up to 35mm particle size. Not suitable for construction sites, ponds, fountains or biotreatment.

Special features:

- Simple installation
- Light and compact
- Fully automatic operation, float controlled
- Great value for money
- Handle soft solids up to 35mm in size
- Supplied complete with 10 metres of electric cable (H07RNF)

PERFORMANCE CURVE:



Part Number	Item Code	kW	HP	Construction Materials	Max Head (m)	Max Flow (lpm)	Max. Particle Size (mm)	Ports	Power Cable (m)	List
BIA-JH550BS2	803070	0.55	0.75	Plastic	7.3	200	35	1½" BSPF Out	10	\$299

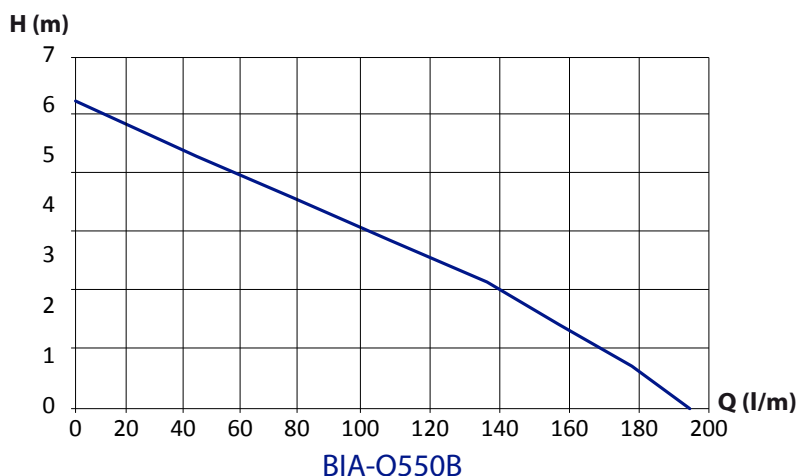
WASTEWATER &
DRAINAGE

Stainless Steel Pump

Designed to pump water with some organic content. Capable of pumping non-abrasive solids in suspension up to 35mm particle size.



PERFORMANCE CURVE:



Part Number	Item Code	kW	HP	Volts	Construction Materials	Power Cable (m)	Max Head (m)	Max Flow (lpm)	Max. Particle Size (mm)	Ports	List
BIA-Q550B	700835	0.55	0.75	240	Stainless Steel	10	6.2	193	35	1½" BSPF Out	\$399



BIANCO VORTEX PUMPS

B Series Pumps

Features:

- Cast iron pump body for durability
- Automatic float switch
- Triple seal system: Dual Mechanical Seal (carbon/ceramic) and oil seal
- Includes universal hose tail adapter
- 240V single phase motor with in-built thermal protection
- 10m H07RNF neoprene chemical and oil resistant cable

Applications:

- De-watering of cellars, ditches, pits, ponds and drains
- Pumping stormwater and waters with non-abrasive soft solids, hair and stringy materials in suspension
- Ideal for greywater pump out and flooded irrigation, sump emptying, septic transfer and pumping of light slurries.
- Particle sizes up to 15mm (B18VAS2, B25VAS2), up to 25mm (B45VAS2, B75VAS2)

**BIANCO
PUMPZ**

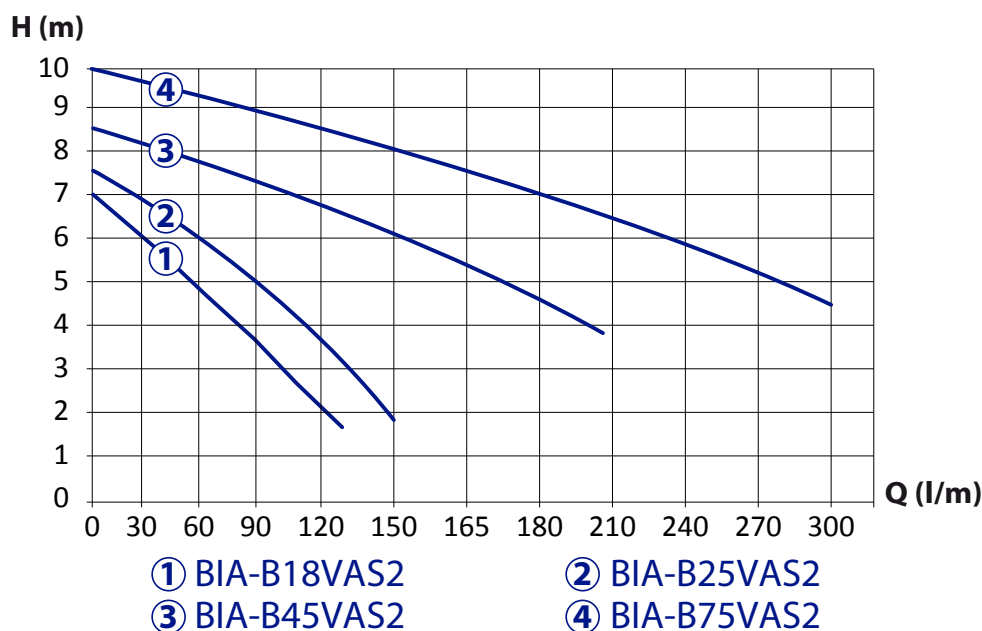


BIA-B18VAS2



BIA-B75VAS2

PERFORMANCE CURVE:



Part Number	Item Code	kW	HP	Volts	Max Head (m)	Max Flow (lpm)	Ports	Power Cable (m)	Max Solid Size (mm)	List
BIA-B18VAS2	802766	0.18	0.24	240	7	133	1¼" BSPF Out	10	15	\$299
BIA-B25VAS2	802767	0.25	0.33		7.5	150				\$329
BIA-B45VAS2	802768	0.45	0.6		8.5	200	2" BSPF Out		25	\$599
BIA-B75VAS2	802769	0.75	1.0		10	300				\$699



DAB VORTEX PUMPS



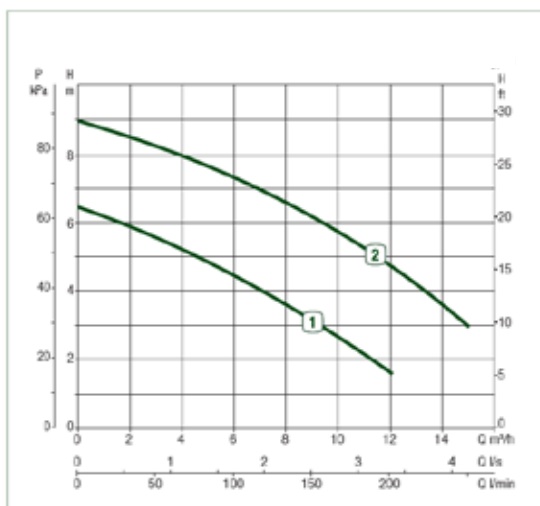
FEKA SERIES

These submersible pumps are suitable for lifting sewage water from septic systems and is capable of handling suspended solid matter.

- Liquid Temperature Range: From 0°C to +35°C for domestic use

PERFORMANCE CURVE:

FEKA



1 - FEKA 300 2 - FEKA 600



Part Number	Item Code	kW	HP	Volts	Operation	Max Head (m)	Max Flow (lpm)	Ports	Particle Size (mm)	List
DAB-FEKA300A	701555	0.22	0.3	240	Automatic	6.5	200	1 1/4" BSPF Outlet	25	\$579
DAB-FEKA600A	701556	0.55	0.75			7.45	265			\$879

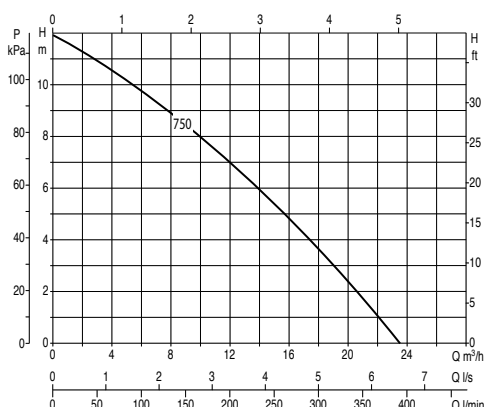
Note: FEKA600 & FEKA300 versions with 431SS shaft now standard

FEKA BVP

The FEKA BVP is a submersible pump for draining and emptying applications. Suitable for pumping dirty water with solid particle size up to 38mm.

- Pumped liquid: dirty water with maximum solid particle size 38 mm
- Liquid temperature range: from 0°C to +35°C for domestic use
- Outlet: horizontal 1 1/2" F plus elbow 90° and hose fitting

PERFORMANCE CURVE:



Part Number	Item Code	kW	HP	Volts	Operation	Max Head (m)	Max Flow (lpm)	Ports	Particle Size (mm)	List
DAB-BVP750MA	800102	0.75	1	240	Automatic	11.8	390	1 1/2" BSPF outlet	38	\$999



DAB VORTEX PUMPS



FEKA VS Series

Submersible centrifugal pump with vortex microcast Stainless Steel impeller.

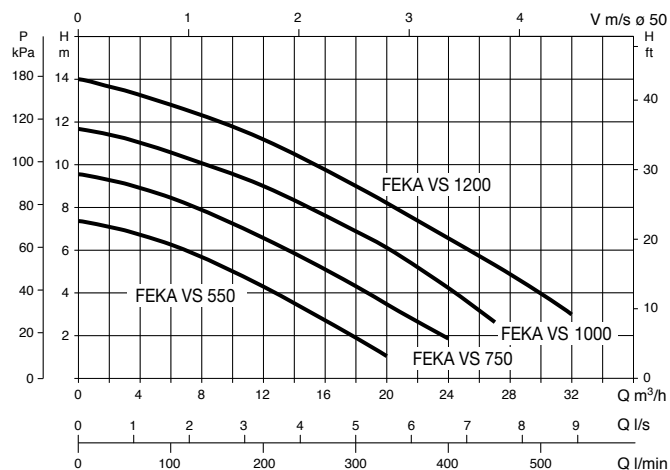
Suitable for:

- Pumping sewer water and wastewater in general containing solids up to a maximum size of 50mm

Features:

- Handle with insulating rubber cover
- AISI 316 stainless steel drive shaft
- Double mechanical seal with intermediate oil chamber (atoxic oil), in carbon/alumina on the motor side and silicon carbide/silicon carbide on the pump side.
- Stainless steel submersible pump with microcast 304 stainless steel vortex impeller
- Liquid Temperature Range: From 0°C to +35°C

PERFORMANCE CURVE:



Part Number	Item Code	kW	HP	Volts	Operation	Max Head (m)	Max Flow (lpm)	Ports	Particle Size (mm)	List
DAB-FEKA VS550MA	701559	0.55	0.75	240	Automatic	7.4	330	2" BSPF Outlet	50	\$1,099
DAB-FEKA VS750MA	701560	0.75	1.0			9.6	400			\$1,129
DAB-FEKA VS1000MA	701557	1.0	1.36			11.8	450			\$1,249
DAB-FEKA VS1200MA	701558	1.2	1.6			14	533			\$1,349



ZENIT VORTEX PUMPS

DG Stainless Steel Series

High-performance, compact stainless steel submersible pumps for optimal service in household installations and small civil plants.

The DG series pumps have an impeller for applications with clean or heavily soiled wastewaters and solid bodies of up to 40mm.

The pump can be used for applications such as sewerage plants, livestock farms and hydro-sanitary applications.

With an electromechanical assembly in AISI304 chrome-nickel steel for submerged operation, the pumps are fitted with 2 (two) opposing mechanical seals in silicon carbide and alumina graphite in the oil sump with food-grade oil lubrication and a v-ring in direct contact with the liquid.

Structure in chrome-nickel AISI 304 steel.



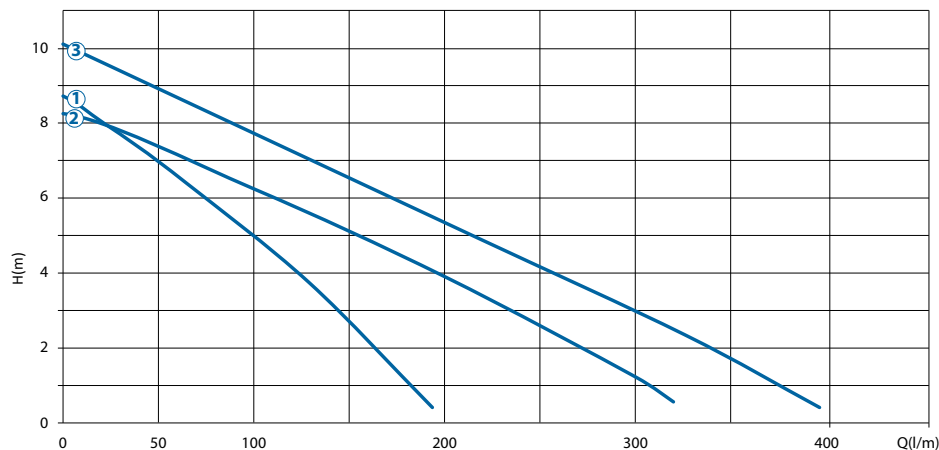
DG STEEL 37

DG STEEL 75

series
steel



CUTAWAY



①	ZEN-DGSTEEL37MA
②	ZEN-DGSTEEL55MA
③	ZEN-DGSTEEL75MA

Part Number	Item Code	kW	HP	Volts	Automatic	Max Head (m)	Max Flow (lpm)	Max Solid Size (mm)	Ports	Amps	List
ZEN-DGSTEEL37MA	711230	0.37	0.5	240	Yes	8.7	180	25	1¼" BSPF Out	3.0	\$1,099
ZEN-DGSTEEL55MA	711231	0.55	0.75			8.1	330	38	1½" BSPF Out	4.3	\$1,349
ZEN-DGSTEEL75MA	711232	0.75	1.0			10	360			5.6	\$1,449



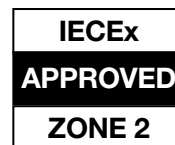
ZENIT VORTEX PUMPS

DG Blue Series

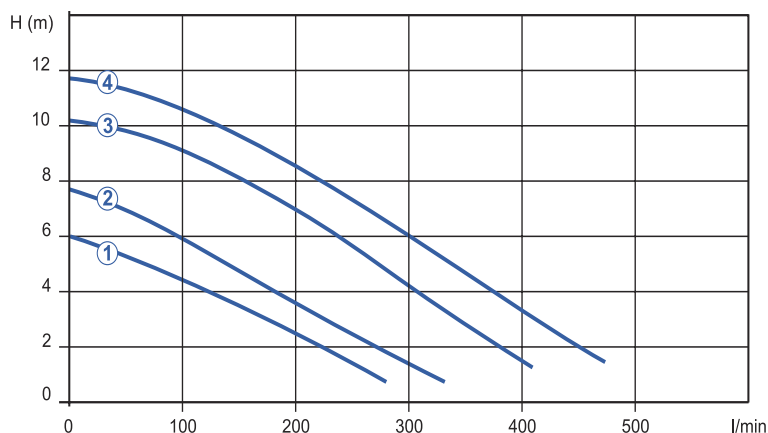
Submersible Cast Iron Pumps suitable for use with soiled biological wastewaters, sewage in rainwater & seepage. This electric pump is intended for both domestic and commercial use and is suitable for use in underground car parks.



better together



PERFORMANCE CURVE:



①	ZEN-DGBLUE40/2/G40VMEX ZEN-DGBLUE40/2/G40VMGEX
②	ZEN-DGBLUE50/2/G40VMEX ZEN-DGBLUE50/2/G40VMGEX
③	ZEN-DGBLUE75/2/G40VMEX ZEN-DGBLUE75/2/G40VMGEX
④	ZEN-DGBLUE100/2/G40VMEX ZEN-DGBLUE100/2/G40VMGEX



Part Number	Item Code	kW	HP	Volts	Includes IECEX Float Switch	Max Head (m)	Max Flow (lpm)	Particle Size (mm)	Ports	Amps	List
ZEN-DGBLUE40/2/G40VMEX	800341	0.3	0.4	240	No	6	270	40	1½" BSPF Out	2.3	\$1,049
ZEN-DGBLUE40/2/G40VMGEX	800344				Yes					2.3	\$1,099
ZEN-DGBLUE50/2/G40VMEX	711174	0.37	0.5		No	7.6	290			2.8	\$1,099
ZEN-DGBLUE50/2/G40VMGEX	800345				Yes					2.8	\$1,149
ZEN-DGBLUE75/2/G40VMEX	711177	0.55	0.75		No	10.1	420			4.1	\$1,249
ZEN-DGBLUE75/2/G40VMGEX	800346				Yes					4.1	\$1,349
ZEN-DGBLUE100/2/G40VMEX	711168	0.75	1.0		No	11.6	430			5.6	\$1,499
ZEN-DGBLUE100/2/G40VMGEX	800347				Yes					5.6	\$1,549

Accessories

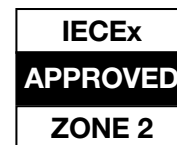
Part Number	Item Code	Description	List
ZEN-CFBLUE40	802785	Discharge Pedestal Suit BluePRO 40mm	\$899
WHI-NRVBALL40	711469	Ball Type Non-Return Valve	\$349



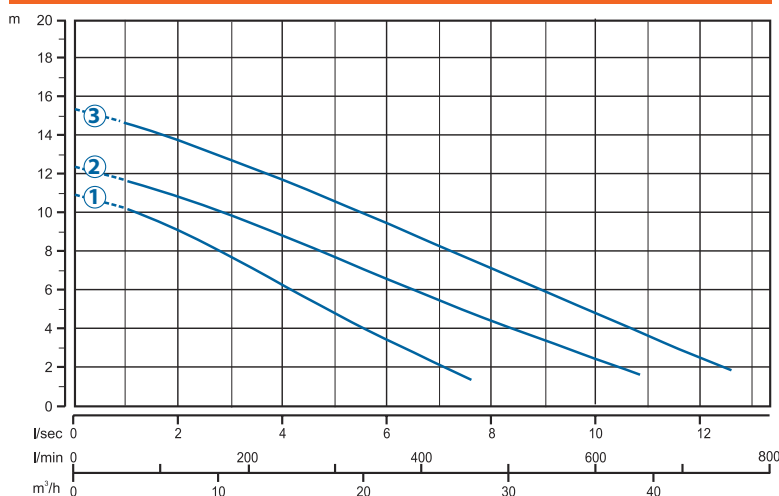
ZENIT VORTEX PUMPS

DG BluePRO Series

Submersible Cast Iron Pumps suitable for heavy-duty applications with soiled biological wastewaters, sewage, rainwater and seepage. This electric pump is intended for both domestic and professional use and is suitable for use in underground car parks.



PERFORMANCE CURVE:



①	ZEN-DGBLUEP100/2/G40VTEX
②	ZEN-DGBLUEP150/2/G50VMEX ZEN-DGBLUEP150/2/G50VTEX
③	ZEN-DGBLUEP200/2/G50VMEX ZEN-DGBLUEP200/2/G50VMGEX ZEN-DGBLUEP200/2/G50VTEX



WASTEWATER & DRAINAGE

Part Number	Item Code	kW	HP	Volts	Includes IECEx Float Switch	Max Head (m)	Max Flow (lpm)	Particle Size (mm)	Ports	Amps	List
ZEN-DGBLUEP100/2/G40VTEX*	711181	0.74	1.0	415	No	11.4	460	40	1-½” BSPF Out	2.2	\$1,579
ZEN-DGBLUEP150/2/G50VMEX	711182	1.1	1.5	240		Yes	12.3	600	50	2” BSPF Out	7.5
ZEN-DGBLUEP150/2/G50VMGEX	711704			415	7.5						\$1,949
ZEN-DGBLUEP150/2/G50VTEX*	711185			1.5	2.0	240	No	15.3			690
ZEN-DGBLUEP200/2/G50VMEX	711186	240	Yes			10.0	\$2,229				
ZEN-DGBLUEP200/2/G50VMGEX	711705	415	No			10.0	\$2,299				
ZEN-DGBLUEP200/2/G50VTEX*	711189	415	No			4.3	\$2,199				

*3 phase pumps require contactor and overload.

Accessories

Part Number	Item Code	Description	List
ZEN-CFBLUE50MM	802109	Discharge Pedestal To Suit BluePRO 50mm	\$899
WHI-NRVBALL50	711470	Ball Type Non-Return Valve	\$429



ZENIT VORTEX PUMPS

DGE Horizontal Outlet Series

E Series models are suitable mainly for permanent installations yet, thanks to their convenience and ease of handling, they can also be used in emergencies for pumping-out flooding premises or for temporary installations for pumping from wells and tanks.

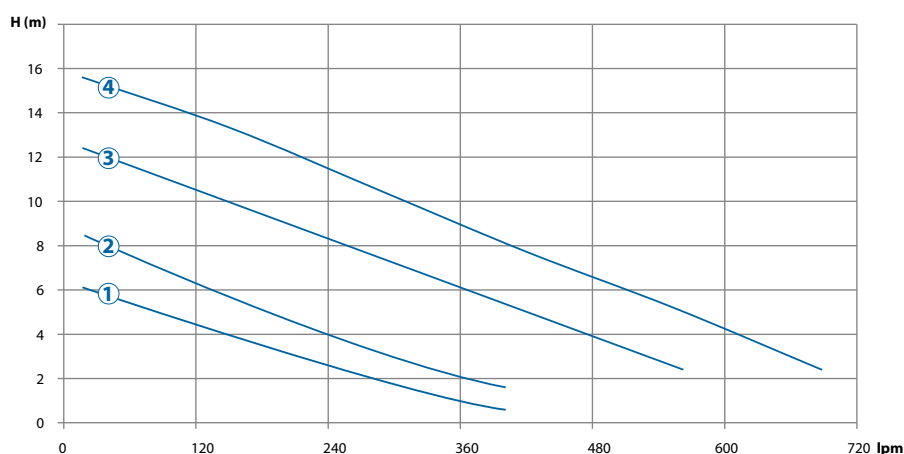
The compact size and horizontal discharge allow any installation, even in existing plants or small pits.

Every model undergoes pressurised testing to guarantee perfect assembly and operation of the gaskets, cable gland and mechanical seals.

Intended mainly for domestic use, these pumps are recommended for pressurising small plants, for garden sprinkler systems, for supplying fountains, for emptying swimming-pools or tanks and for pumping out flooded garages.



PERFORMANCE CURVE:



①	ZEN-DGE50/2/G50HMSIC ZEN-DGE50/2/G50HMGSIC
②	ZEN-DGE75/2/G50HMSIC ZEN-DGE75/2/G50HMGSIC
③	ZEN-DGE100/2/G50HMSIC ZEN-DGE100/2/G50HMGSIC ZEN-DGE100/2/G50HTSIC
④	ZEN-DGE200/2/G50HMSIC ZEN-DGE200/2/G50HMGSIC ZEN-DGE200/2/G50HTSIC

Part Number	Item Code	kW	HP	Volts	Includes Float Switch	Max Head (m)	Max Flow (lpm)	Particle Size (mm)	Ports	Amps	List
ZEN-DGE50/2/G50HMSIC	711214	0.37	0.5	240	No	6	240	40	2" BSPF Outlet	2.8	\$1,399
ZEN-DGE50/2/G50HMGSIC	711213				Yes					2.8	\$1,479
ZEN-DGE75/2/G50HMSIC	711220	0.55	0.75		No	8.1	360			3.6	\$1,449
ZEN-DGE75/2/G50HMGSIC	711219				Yes					3.6	\$1,499
ZEN-DGE100/2/G50HMSIC	711193	0.88	1.2	415	No	12.5	480	50		6.5	\$1,849
ZEN-DGE100/2/G50HMGSIC	711192				Yes					6.5	\$1,899
ZEN-DGE100/2/G50HTSIC*	711196	1.5	2.0	240	No	15.5	600			2.3	\$1,899
ZEN-DGE200/2/G50HMSIC	711204				Yes					9.3	\$2,499
ZEN-DGE200/2/G50HMGSIC	711203			415						No	9.3
ZEN-DGE200/2/G50HTSIC*	711207				3.5						\$2,499

*3 phase pumps require contactor and overload.

Accessories

Part Number	Item Code	Description	List
WHI-CLAW	807150	Adaptor to suit Grundfos SEG rail system	\$199
WHI-FLT2	711391	Adaptor to suit Flygt rail system	\$299
WHI-CF50V	711149	Coupling Device with Vertical Outlet	\$699
WHI-NRVBALL50	711470	Ball Type Non-Return Valve	\$429



better together



Zenit UNIQA

High efficiency submersible pumps



CO₂ emissions reduction, lower costs and environmental issues. These are some of the issues that affect us all closely and which we need to take care for the sake of future generations.

In civil and industrial applications, the reliability of a submersible electric pump is a synonym for smooth operation, steady performance and continuous work cycles without undesired system shutdowns. For this reason, **UNIQA** is made of innovative materials and is equipped with cutting-edge technical features such as the new patented cooling system. All these attributes make **UNIQA** a safe and reliable product.

The **UNIQA** range represents the perfect solution for any domestic, commercial and industrial applications, with a choice of 2, 4, 6 or 8 pole motors from 4 to 405 kW, 50 and 60 Hz, and discharge ports from DN65 to DN400. The vortex impeller allows for wider free passage, paired with the anti-clogging system, guarantees the optimum performance of every **UNIQA** model in any circumstance.

AVAILABLE FOR SPECIAL ORDER



BUILDING SERVICES DISCOUNT APPLIES FOR THESE PRODUCTS

ZENIT VORTEX PUMPS

DGG Cast Iron Industrial ATEX Series

Suitable for use in applications that have unstrained soiled biological wastewaters, sewage and also for civil lifting applications.

The DGG can be used in wastewater treatment plants, sewer systems, livestock farms, industry and agriculture. Cast iron construction with 2 opposed silicon carbide mechanical seals in an inspectable oil sump, large free passage.

**Suitable for use in underground car parks.
ATEX certified Ex d.**



better together

Zone 1
Approved

Part Number	Item Code	kW	HP	Volts	Poles	Includes Float Switch	Max Head (m)	Max Flow (lps)	Outlet (mm)	Ring Stand Required	Amps	List			
ZEN-DGG300/2/80HG0ETEX	807392	2.2	3.0	415	2	No	8.5	13.5	DN 80	ZENS9024.006	4.6	\$3,549			
ZEN-DGG400/2/80HH0ETEX	807393	3.0	4.0				12.3	16.8			6.4	\$3,999			
ZEN-DGG550/2/80HN0FTEX	807394	4.0	5.5				16.3	23.1		ZENS9024.114	7.7	\$5,249			
ZEN-DGG750/2/80HA0FTEX	807395	5.5	7.5				16.1	28.0			10.8	\$5,599			
ZEN-DGG1000/2/80HA0FTEX	807396	7.5	10.0				20.8	36.5			13.7	\$6,249			
ZEN-DGG250/4/80HE0ETEX	807397	1.8	2.4		4		10.3	25.4		ZENS9024.007	4.3	\$4,149			
ZEN-DGG300/4/80HE0ETEX	807398	2.2	3.0				11.0	23.1			5.2	\$4,349			
ZEN-DGG400/4/80HM0ETEX	807399	3.0	4.0				10.9	27.6			6.7	\$4,549			
ZENS9024.006	711487	Ring Stand										\$100			
ZENS9024.114	807356											\$229			
ZENS9024.007	711488											\$295			

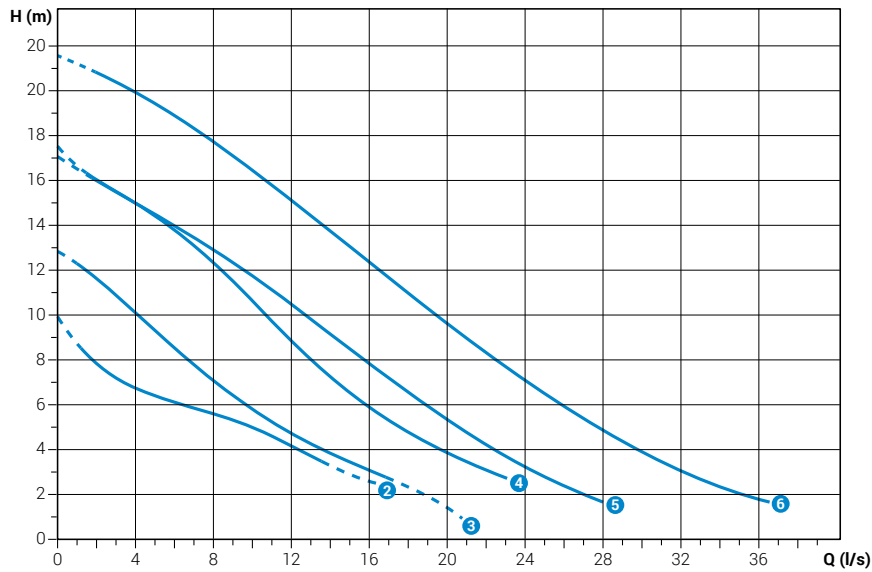
All of the above 3 phase pumps require contactor and overload.

Accessories - Adaptors

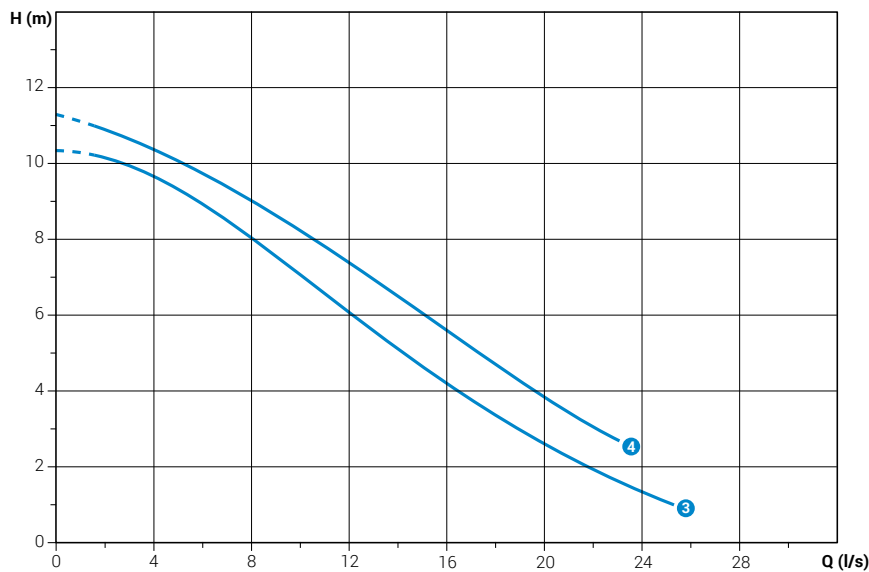
Part Number	Item Code	Description	List
ZEN-FLT80	711392	Adaptor to suit Flygt rail system	\$699
ZEN-CF80	711152	Coupling Device with Vertical Outlet	\$1,099
ZEN-NRVBALL80	711473	Ball Type Non-Return Valve	\$879
ZEN-PN16-3	711480	Flange 3" PN10-16 Stainless steel	\$199


BUILDING SERVICES DISCOUNT APPLIES FOR THESE PRODUCTS

DGG - VORTEX - ATEX PUMP CURVES

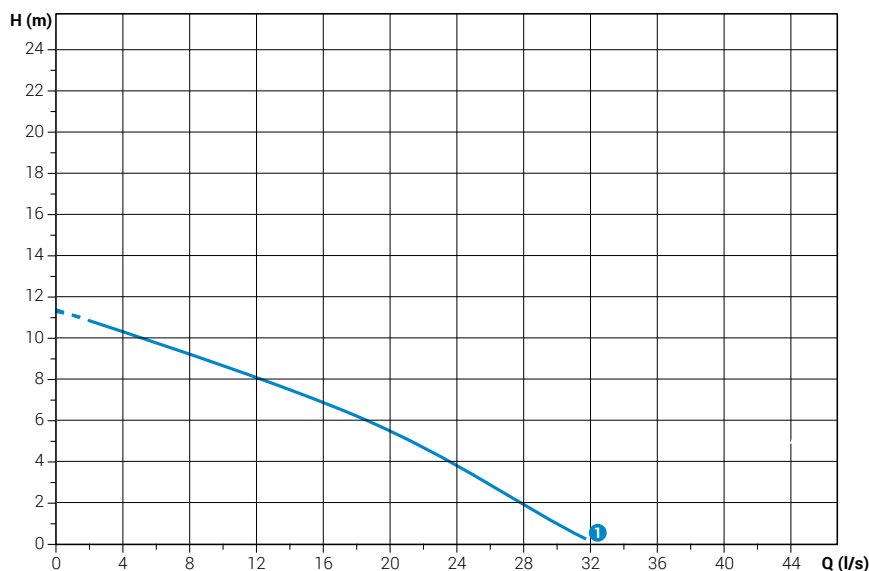


②	ZEN-DGG300/2/80HG0ETEX
③	ZEN-DGG400/2/80HH0ETEX
④	ZEN-DGG550/2/80HN0FTEX
⑤	ZEN-DGG750/2/80HA0FTEX
⑥	ZEN-DGG1000/2/80HA0FTEX



③	ZEN-DGG250/4/80HE0ETEX
④	ZEN-DGG300/4/80HE0ETEX

WASTEWATER &
DRAINAGE



①	ZEN-DGG400/4/80HM0ETEX
---	------------------------



BIANCO GRINDER PUMP

Cast Iron B Series

The Bianco Pumpz industrial grade grinder pump is built for wastewater applications containing soft solids and is designed to grind various materials for pumping to sewer mains or treatment facilities.

Features:

- Can lift water up to 20m and pump water up to 341 lpm
- Built with a high grade, cutting device, stainless steel shaft (7CR17)
- Replaceable grinding device
- Dual ceramic/graphite mechanical seal
- H07RNF neoprene chemical and oil resistant power cable

Applications:

- Grey & Black Water Pumping
- Sump Emptying
- Septic effluent and sewage disposal
- Pumping of wastewater with soft solids in suspension

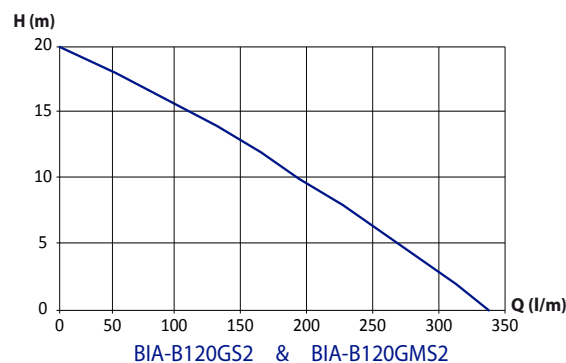


304 Stainless Steel Shaft
7CR17 High Carbon Stainless Steel Cutting Device

BIANCO PUMPZ

BIANCO
2
YEAR PUMP WARRANTY

PERFORMANCE CURVE:



Part Number	Item Code	kW	HP	Volts	Current (amps)	Max Head (m)	Max Flow (lpm)	Float Switch	Net Weight (kg)	Discharge Outlet Size	Cable Length	Capacitor	List
BIA-B120GS2	802770	1.5	2	240	9.5	20	341	Yes	27	2" BSPF	10m	30 uF	\$1,399
BIA-B120GMS2	803150	1.5	2	240	9.5	20	341	No	27	2" BSPF	10m	-	\$1,349
BIA-B120TMS2	806084	1.5	2	415	4	20	341	No	27	2" BSPF	10m	-	\$1,499

BIANCO GRINDER PUMP

Positive Displacement Pump

Positive displacement pump with a heavy duty cutter and cutter ring used to treat unstrained wastewaters in "low" flow, high head applications.

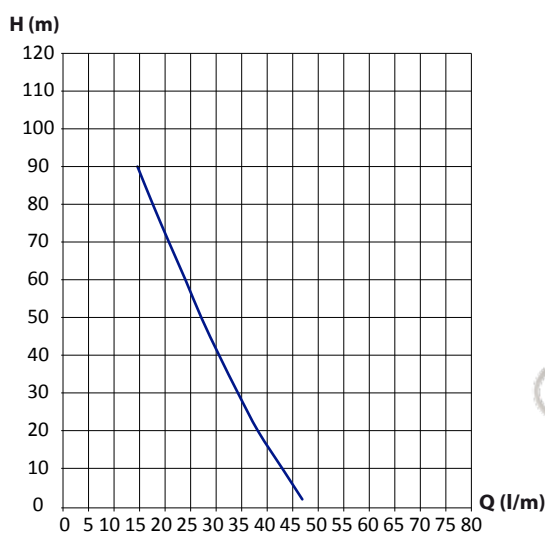
Features:

- Cast iron pump body for durability under harsh conditions
- Available in single phase and three phase, with and without a float
- Heavy duty silicon carbide mechanical seal
- The cutter rings break down solids to their smallest possible size to reduce clogging
- Used for unstrained wastewaters
- Perfect pressure sewer applications
- Suitable for new house dwellings in low lying areas

Applications:

- Unstrained wastewaters
- Low pressure sewer applications

PERFORMANCE CURVE:



BIANCO
2
YEAR PUMP WARRANTY

Discharge Pedestal 801985

Part Number	Item Code	kW	HP	Volts	Current (amps)	Max Head (m)	Max Flow (lpm)	Float Switch	Net Weight (kg)	Discharge Outlet Size	Cable Length	Capacitor	List
BIA-PDG150MA	800252	1.1	1.5	240	6.3	90	50	Yes	40	1-1/4" BSPF	10m	300 uF	\$3,499
BIA-PDG150M	800587	1.1	1.5	240	6.3	90	50	No	40	1-1/4" BSPF	10m	300 uF	\$3,399
BIA-PDG150T	800589	1.1	1.5	415	2.1	90	50	No	40	1-1/4" BSPF	10m	-	\$3,249
Part Number	Item Code	Description											List
BIA-PDG150-CF32	801985	Discharge pedestal											\$799



ZENIT GRINDER PUMPS

GR BluePRO Series

GR bluePRO models incorporate a grinding system comprising a revolving three-bladed knife rigidly mounted on the drive shaft and a steel plate with sharp edged holes.

This system, capable of speeds of up to 69,000 cuts per minute, finely chops filaments and expels them along the discharge pipeline with no risk of impeller jamming, also keeping the pipeline clean.

Cast iron construction guarantees low vibration and excellent reliability.

This electric pump is intended for both domestic and professional use and is suitable for underground car parks.

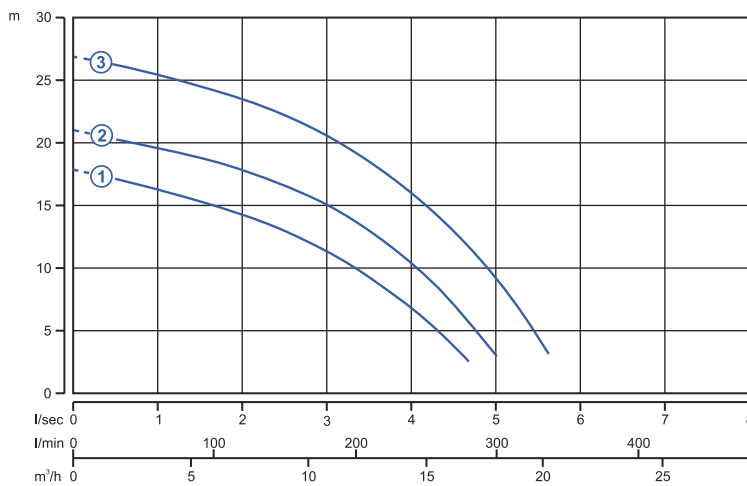
Used for the lifting and transfer of heavily soiled wastewaters, sewage and civil and industrial wastewaters, even on narrow pipelines.



Cast iron multi-channel open impeller



PERFORMANCE CURVE:



1	ZEN-GRBLUEP100/2/G40HMEX ZEN-GRBLUEP100/2/G40HMGEX ZEN-GRBLUEP100/2/G40HTEX
2	ZEN-GRBLUEP150/2/G40HMEX ZEN-GRBLUEP150/2/G40HMGEX ZEN-GRBLUEP150/2/G40HTEX
3	ZEN-GRBLUEP200/2/G40HMEX ZEN-GRBLUEP200/2/G40HMGEX ZEN-GRBLUEP200/2/G40HTEX

WASTEWATER & DRAINAGE

Part Number	Item Code	kW	HP	Volts	Includes IECEx Float Switch	Max Head (m)	Max Flow (lpm)	Ports	Amps	List	
ZEN-GRBLUEP100/2/G40HMEX	711420	0.75	1.0	240	No	18	240	1½" BSPF Outlet	5.5	\$2,479	
ZEN-GRBLUEP100/2/G40HMGEX	711713				Yes					5.5	\$2,499
ZEN-GRBLUEP100/2/G40HTEX*	711423			415	No					2.7	\$2,349
ZEN-GRBLUEP150/2/G40HMEX	711424	1.1	1.5	240		21.1	300		7.5	\$2,799	
ZEN-GRBLUEP150/2/G40HMGEX	711714				Yes					7.5	\$2,849
ZEN-GRBLUEP150/2/G40HTEX*	711427			415	No					3.2	\$2,749
ZEN-GRBLUEP200/2/G40HMEX	711428	1.5	2.0	240		27			10.0	\$3,249	
ZEN-GRBLUEP200/2/G40HMGEX	711715				Yes					10.0	\$3,299
ZEN-GRBLUEP200/2/G40HTEX*	711431			415	No					4.3	\$3,099

*3 phase pumps require contactor and overload.

Accessories

Part Number	Item Code	Description	List
WHI-CLAW	807150	Adaptor to suit Grundfos SEG rail system	\$199
WHI-FLT2	711391	Adaptor to suit Flygt rail system	\$299
WHI-CF50V	711149	Coupling Device with Vertical Outlet	\$699
WHI-NRVBALL40	711469	Ball Type Non-Return Valve	\$349
WHI-NRVBALL50	711470		\$429



SELECTION GUIDE

HMEX Models are IECEx Single Phase **without** float switch
HMGEX Models are IECEx Single Phase **with** float switch
HTEX Models are IECEx **Three Phase without** float switch



BUILDING SERVICES DISCOUNT APPLIES FOR THESE PRODUCTS

ZENIT GRINDER PUMPS

GRG Cast Iron Industrial ATEX Series

Designed for professional and industrial use, the Zenit Grey GRG Series Grinders are suitable for pumping sewage.

The GRG series grinders are made with cast iron construction with 2 opposed silicon carbide mechanical seals in an inspectable oil sump, anti-clogging system.

Suitable for use in underground car parks.

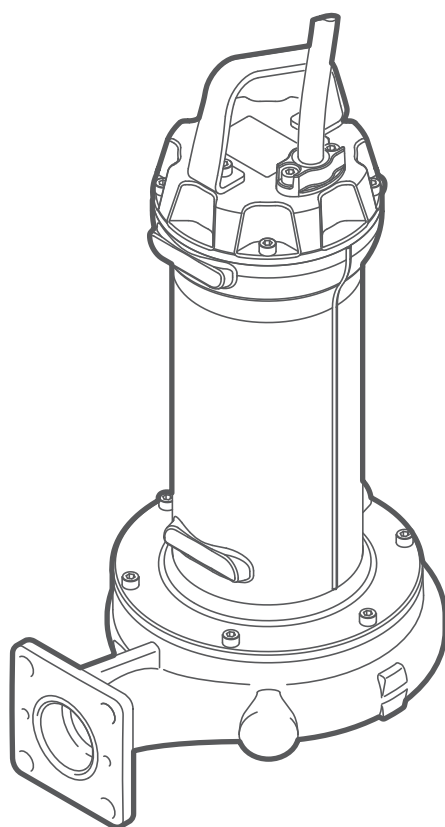
ATEX certified Ex d.



better together

Zone 1
Approved

Multi-channel
open impeller
Grinding system
with rotary knife



Part Number	Item Code	kW	HP	Volts	Poles	Includes Float Switch	Max Head (m)	Max Flow (lps)	Outlet	Ring Stand	Amps	List
ZEN-GRG250/2/G40HA0ATEX	807377	1.8	2.4	415	2	No	28.2	5.3	G 1-½" - DN32	ZENS9024.006	3.7	\$3,349
ZEN-GRG300/2/G50HC0ETEX	807378	2.2	3.0				29.9	5.4	G 2" - DN32		4.6	\$3,849
ZEN-GRG400/2/G50HD0ETEX	807379	3.0	4.0				33.6	4.8			6.4	\$4,499
ZEN-GRG550/2/G50HD0FTEX	807380	4.0	5.5				42.5	4.5			7.7	\$5,849
ZEN-GRG750/2/G50HA0FTEX	807381	5.5	7.5				46.4	8.4			10.8	\$7,199
ZEN-GRG1000/2/G50HA0FTEX	807382	7.5	10.0				53.3	8.4			13.7	\$8,899
ZENS9024.006	711487	Ring Stand										\$100

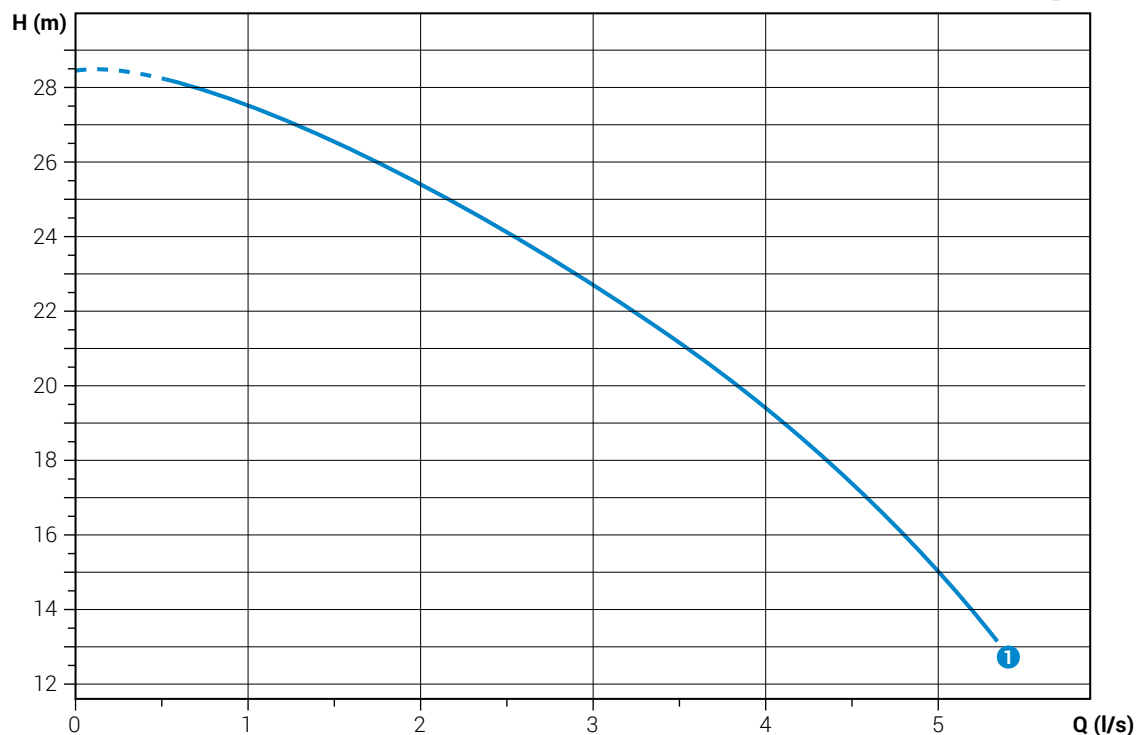
*3 phase pumps require contactor and overload.

Accessories - Adaptors

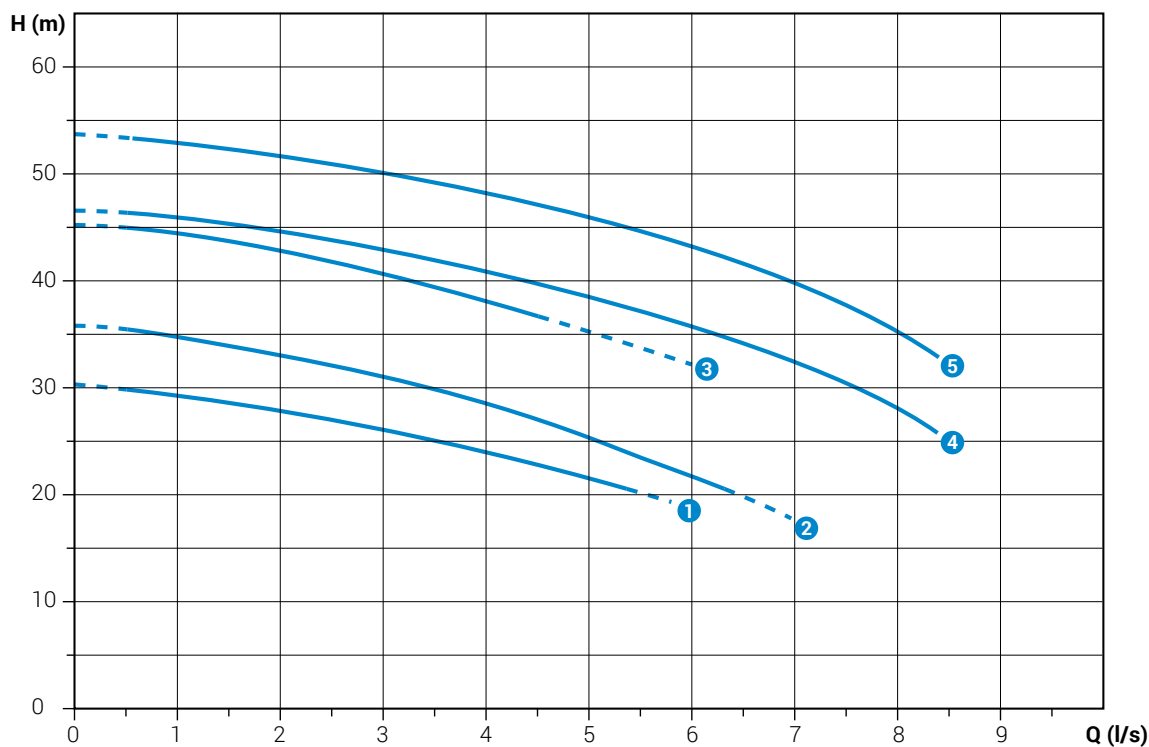
Part Number	Item Code	Description	List
WHI-CF50V	711149	Coupling Device With Vertical Outlet	\$699
WHI-NRVBALL50	711470	Ball Type Non-Return Valve	\$429
WHI-FLT2	711391	Adaptor to suit Flygt rail system	\$299
WHI-CLAW	807150	Adaptor to suite Grundfos SEG rail system	\$199


BUILDING SERVICES DISCOUNT APPLIES FOR THESE PRODUCTS

GRG - GRINDER - ATEX PUMP CURVES



① **ZEN-GRG250/2/G40HA0ATEX**



① ZEN-GRG300/2/G50HC0ETEX	② ZEN-GRG400/2/G50HD0ETEX
③ ZEN-GRG550/2/G50HD0FTEX	④ ZEN-GRG750/2/G50HA0FTEX
⑤ ZEN-GRG1000/2/G50HA0FTEX	



ZENIT MIXERS



better together



Submerged mixers are the most practical, efficient solution for mixing liquids in water treatment and purification plants. Suitably installed in tanks, these devices apply a force varying depending on the propeller diameter, shape and rotation speed to the liquid in which they are immersed, and keep the mass of fluid in motion to boost homogenisation and prevent sediment formation.

They can be adopted in single or multiple installations, or in combination with bottom aeration systems, depending on the process in which they are used.

Their efficiency class IE3 motors, already applied on the Zenit UNIQA range of submersible pumps, keep running costs down, with low energy use and limited maintenance.

Their complete compatibility and vast assortment of accessories allow them to be installed in any point of the tank, both for optimal mixing and for use as replacements for obsolete devices in existing systems.

All mixers supplied standard fitted with internal moisture sensor. An external relay is required to utilise this feature.

Part Number	Item Code	kW	HP	Pole	Prop Dia (mm)	Thrust N	List
ZEN ZMD 020A A 0.75/4 HA 010	807222	0.75	1.0	4	200	155	POA
ZEN ZMD 020B A 1.1/4 HA 010	807223	1.1	1.5	4	200	210	POA
ZEN ZMD 020C A 1.5/4 AE 010	807224	1.5	2.0	4	200	230	POA
ZEN ZMD 030B A 2.2/6 AE 010	807225	2.2	3.0	6	300	450	POA
ZEN ZMD 030E A 3.2/6 AE 010	807226	3.2	4.0	6	300	820	POA
ZEN ZMD 045G A 4/8 AH	807217	4.5	6.0	8	400	1060	POA



**PAIR ME WITH AN
iCON CONTROLLER**

SPC3-40 and SPC3-110
for the 4.5kw mixer



AVAILABLE FOR SPECIAL ORDER



WASTEWATER AERATION ACCESSORIES

Zenit Oxyplates

Disc diffusers having elastomer membrane with tiny holes for application in wastewater treatment processes in reactors with continuous or intermittent aeration, especially recommended for high-efficiency permanent installations.

The quality, design and membrane hole size ensure unbeatable efficiency in terms of the ideal oxygen transfer-head loss balance.

For application in wastewater treatment processes in reactors with continuous or intermittent aeration, especially recommended for high efficiency permanent installations.



Part Number	Item	Diameter (mm)	Air Flow Rate (L/min)	Head Loss (kPa)	List
ZEN-OXYPLATE9	711475	270	33	2 - 4	\$149
ZEN-OXYPLATE12	800360	340	33 - 167	2 - 3	\$279
SADDLE FOR OXYPLATE	711023	Pipe saddle for oxyplate			\$4

AIR BLOWER

AWTS Diaphragm Air Blower

Applications:

- Oxygen
- Septic Tanks
- Air injection
- Aeration
- Medical products

Product Features:

- Worlds Smallest & Lightest Model
- Low Noise & Low Power
- Dual Insulation
- Dust Trap Filter
- 80l Class of Electric Blower for Waste Water Treatment

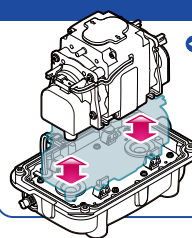


Dust Control "Dust Trap Filter"

"Dust Trap Filter" is realization of the structure which exert the effect of dust control by analyzing airflow and the speed with computer analysis !!

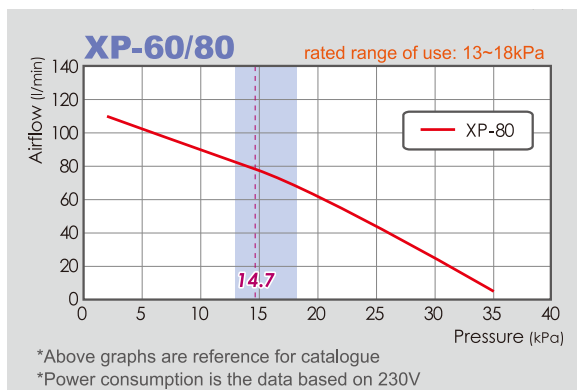


Easy Maintenance

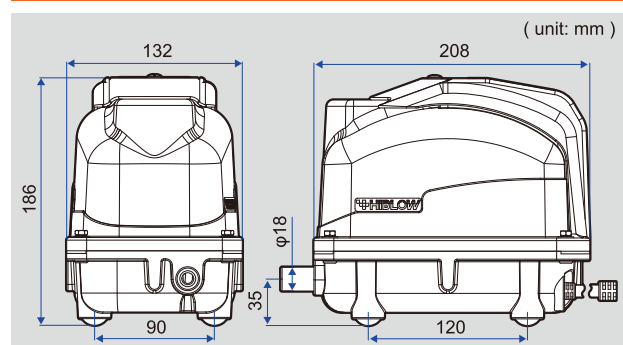


- **Detachable built-in block**
Very easy to replace
Chamber Block,
Diaphragm Block, Rod

Easy restart by micro switch ▶
*XP-60 / 80 only



Dimensions



Part Number	Item	Watts	Voltage	Air Flow Rate (L/min)	Rated Pressure (kPa)	Noise Level (dBA)	Outlet (mm)	List
ZEN-XP80	800230	58	240	80	14.7	36	18	\$829



GENIX

WHEREVER YOU DESIRE



GENIX is indispensable when the wastewater coming from toilets, showers, dishwashers or sinks cannot be expelled by gravity. DAB lifting stations can be installed wherever there is the wish to add a toilet or expel greywater during new installations, renovations or new constructions.

- Quick and Easy Installation
- Comfort in Use with Low Noise
- Clean and Simplified Maintenance

**GENIX****GENIX WL****GENIX VT**



GENIX

Macerator Pump

GENIX is the new DAB macerator, designed to provide the maximum level of efficiency in the 3 main moments of its life cycle. Fitted with integrated non return valves, hose clamps, hose adaptors, ground fixing screws and anti vibration rubber nubs.

KEY FEATURES

- Quick and easy installation
- Silent high performance motor
- Newly designed macerator robust, long lasting
- Anti odour system
- Simplified access to unblock the grinding blades
- White glove maintenance, with easy access and convenient internal component separation
- Can be installed almost anywhere
- Comfort in Use with Low Noise
- Clean and Simplified Maintenance
- Replaces Saniflo and Sololift models



WaterMark
Certificate number: WM-022990
Technical specification: WMTS-106

Part Number	Item Code	kW	HP	Volts	In A	Max Head (m)	Max Flow (lpm)	Additional Inlets	List
Waste Water Pumps									
DAB-GENIX110	807410	0.32	0.44	240	2.3	6	115	1 (top)	\$1,049
DAB-GENIX130	807411							2 (side) + 1 (top)	\$1,249
DAB-GENIXCOMFORT110	807412							1 (top)	\$1,199
DAB-GENIXCOMFORT130	806101							2 (side) + 1 (top)	\$1,399
DAB-GENIXWL110	807406							1 (top)	\$1,099
DAB-GENIXWL130	807407							2 (side) + 1 (top)	\$1,249
Grey Water Pumps									
DAB-GENIXVT010	807408	0.32	0.44	240	2.3	6	115	1 (top)	\$949
DAB-GENIXVT030	807409							2 (side) + 1 (top)	\$1,099
Accessories									
DABS6016647	807427	GENIX ACOUSTIC ALARM							\$206
DABSSP00001328	807426	FLEXIBLE HOSE ADAPTER							\$84


Waste Water



GENIX 	110 807410	✓	✓	✓			
	130 807411	✓	✓	✓	✓	✓	✓
	COMFORT110 807412	✓	✓	✓			
	COMFORT130 806101	✓	✓	✓	✓	✓	✓
GENIX WL 	WL110 807406	✓	✓	✓			
	WL130 807407	✓	✓	✓	✓	✓	✓

Grey Water



GENIX VT 	VT030 807409	✓	✓	✓	✓	✓	✓
	VT010 807408	✓	✓	✓	✓		



GENIX

Key features



SILENT AND HIGH PERFORMANCE MOTOR



NEWLY DESIGNED MACERATOR - ROBUST, LONG LASTING AND RELIABLE



ANTI-ODOUR SYSTEM



SIMPLIFIED ACCESS TO UNBLOCK THE GRINDING BLADES



EASY ACCESS TO: CAPACITOR, ELECTRONIC BOARD AND PRESSURE SWITCH

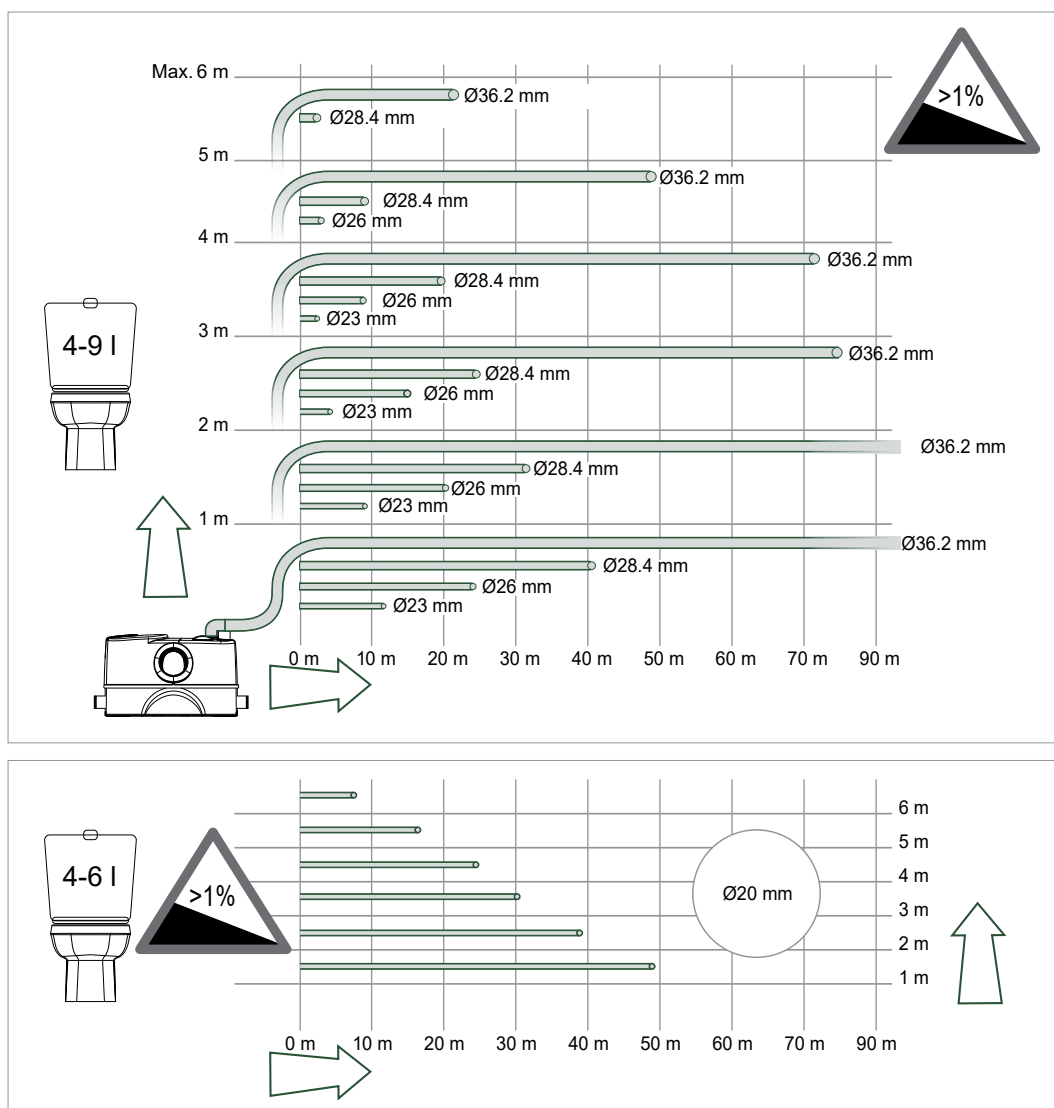


DRAINING TAP
*draining pipe included



WaterMark
Certificate number: WM-022990
Technical specification: WMTS-106

GENIX CURVES AND FLOWS





NOVABOX LIFTING STATION



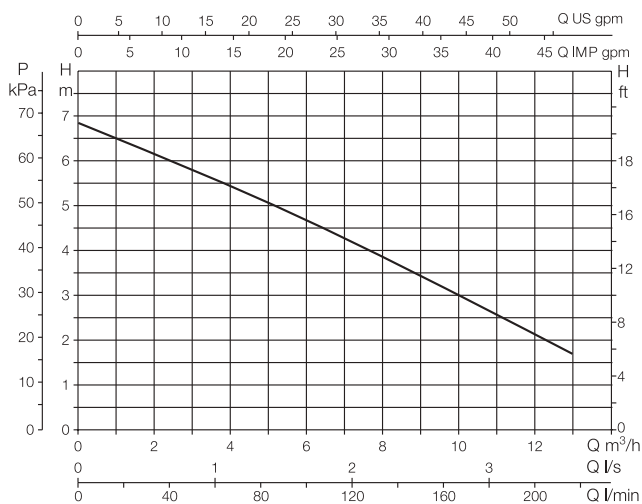
Small Lifting Station For Automatic Collecting And Pumping Of Grey Water

Automatic stations for collecting and lifting wastewater from bath tubs, wash basins, showers and washing machines located in basements or below the level of the network.

Features

- 30 litre technopolymer container
- Fitted with 240 volt automatic DAB-NOVA300A drainage pump
- 5 meter power lead (H05RNF)
- Discharge check valve
- Flow rates from 16 l/min to 215 l/min
- 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
- Not suitable for kitchen applications

PERFORMANCE CURVE:



WASTEWATER & DRAINAGE

Part Number	Item Code	Litres	Max Head (m)	Max Flow (lpm)	Delivery Pipe	List
DAB-NOVABOX30-300M	701754	30	6.8	215	1¼"	\$1,399





BUILDING SERVICES DISCOUNT APPLIES FOR THESE PRODUCTS

LIFTING STATIONS

blueBOX Series

Suitable for collecting and lifting clear rain and wastewater from washing machines, sinks and bathrooms in systems installed at a lower level than the sewer, in locations such as garages or basements.

Can be stored below ground in a pit. Able to handle liquids such as raw sewage, trade waste, effluent and storm water.



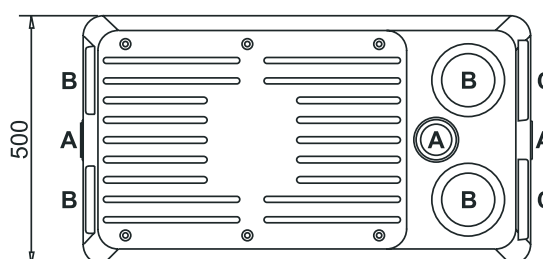
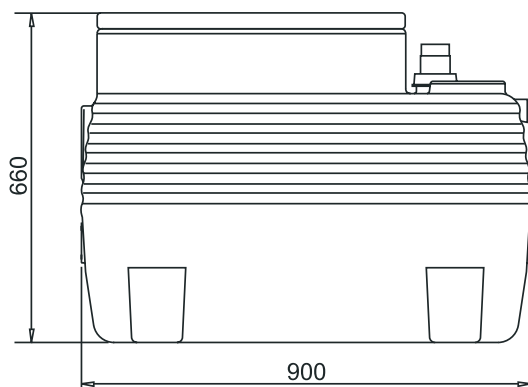
Part Number	Item Code	Litres	Delivery Pipe	Suits	Size (mm)	List
ZEN-BLUEBOX60	802445	60	1½"	DG Blue Range	480L x 370W x 470H	\$599
ZEN-BLUEBOX90	711120	90			480L x 370W x 610H	\$649
ZEN-BLUEBOX150	711118	150		DG Blue, DG BluePRO & GR Blue	580L x 480W x 660H	\$799

Part Number	Item Code	Litres	Delivery Pipe	Size (mm)	List
ZEN-BLUEBOX250DG	711121	250	1½" galvanised pipework and gaskets. Installation accessories. Suitable for Vortex pumps.	900L x 500W x 660H	\$999

Part Number	Item Code	Litres	Delivery Pipe	Description	List
ZEN-BLUEBOX250GR	711126	250	2" galvanised outlet pipework and gaskets. Installation accessories.	Automatic Collecting Station for Domestic and Industrial Sewage. Coupling foot with 2" vertical outlet and built in air bleed. 2" ball type non return valve. Suitable for Grinder pumps.	\$1,549

Part Number	Item Code	Litres	Delivery Pipe	Description	List
ZEN-BLUEBOX400GR	711119	400	2" galvanised outlet pipework and gaskets. Installation accessories.	Automatic Collecting Station for Domestic and Industrial Sewage. 2 x coupling foot with 2" vertical outlet and built in air bleed. 2" ball type non return valve. Suitable for Grinder pumps.	\$2,899

Diagram is ZEN-BLUEBOX250GR



A Ø 2"
B Ø 110 mm
C Ø 125 mm


BUILDING SERVICES DISCOUNT APPLIES FOR THESE PRODUCTS

LIFTING STATION PACKAGES



blueBOX fitted with GR BluePRO Pump



BlueBOX with DG BluePro Pumps Supplied not fitted



better together



blueBOX fitted with DG BluePRO Pump

Part Number	Item Code	Description	Outlet	List
ZEN-BLUEBOX250DGBLUE40M	711123	ZEN-BLUEBOX250DG with ZEN-DGBLUE40/2/G40VMGEX fitted	1½"	\$1,699
ZEN-BLUEBOX250DGBLUE50M	711124	ZEN-BLUEBOX250DG with ZEN-DGBLUE50/2/G40VMGEX fitted		\$1,749
ZEN-BLUEBOX250DGBLUE75M	711125	ZEN-BLUEBOX250DG with ZEN-DGBLUE75/2/G40VMGEX fitted		\$1,849
ZEN-BLUEBOX250DGBLUE100M	711122	ZEN-BLUEBOX250DG with ZEN-DGBLUE100/2/G40VMGEX fitted		\$1,999

blueBOX fitted with GR Blue Pump

Part Number	Item Code	Description	Outlet	List
ZEN-BLUEBOXGRBLUE100M	711127	ZEN-BLUEBOX250GR with ZEN-GRBLUEP100/2/G40HMGEX fitted	2"	\$3,199
ZEN-BLUEBOXGRBLUE150M	711128	ZEN-BLUEBOX250GR with ZEN-GRBLUEP150/2/G40HMGEX fitted		\$3,499
ZEN-BLUEBOXGRBLUE200M	711129	ZEN-BLUEBOX250GR with ZEN-GRBLUEP200/2/G40HMGEX fitted		\$3,999

 WASTEWATER &
DRAINAGE



ZENO
NAVIGATOR SUITE

Configure your product with ZENO





Select and configure Zenit's products and spare parts



BUILDING SERVICES DISCOUNT APPLIES FOR THESE PRODUCTS

e.box



EBOXPLUS-D

An electronic control panel for the protection and automatic operation of either single-phase or three-phase, one or two pumps for submersible or pressurising applications. For use in civil and industrial environments.

EBOXPLUS-D is compatible with all models of pumps with a current between 1 and 12A (up to 2.2 kw @ 240V / 5.5 kw @ 415V).



Part Number	Item Code	List
DAB-EBOXPLUS-D	805130	\$1,399

Single Phase: 2.2kW / 240V

Three Phase: 5.5kW / 415V

Accessories

Part Number	Item Code	Description	List	Image
DAB-EBOXLIGHT	805320	Orange flashing light 240V 5W	\$199	
DAB-EBOXPROBE	805321	Electrode probe	\$65	
DAB-EBOXPROBECABLE	805324	Cable for probe 1.5mm ² single core (price per meter)	\$4/m	
DAB-EBOXMINPRESSURESWITCH	805322	Minimum pressure switch for dry run protection.	\$159	
DAB-EBOXTRANSDUCER16BAR	805323	Pressure transducer 16 bar	\$289	
DAB-EBOXTRANSDUCER5M	805325	Level/Depth transducer with 0-5m 20m cable	\$499	



BUILDING SERVICES DISCOUNT APPLIES FOR THESE PRODUCTS

ACTIVEDRIVER plus

DAB
WATER*TECHNOLOGY



Active Driver Plus

The Active Driver Plus device is an innovative through-flow variable speed electric pump integrated control system, capable of maintaining a constant pressure in relation to varied flow rates.

The set pressure can be adjusted and the various settings and related error warnings can be viewed thanks to a simple user interface.

Active Driver Plus comprises of an inverter, pressure sensor and a flow sensor.



MAXIMUM COMFORT

- CONSTANT PRESSURE
- REDUCED PUMP NOISE
- REDUCTION OF ENERGY
- CONSUMPTION

MORE VERSATILE

- CAN BE INSTALLED ON ANY PUMP
- ALL-IN-ONE SOLUTION; NO NEED FOR EXTERNAL SENSORS
- POSSIBILITY OF MANAGING PRESSURISATION SETS
- EXTREMELY COMPACT SIZES

EASY INSTALLATION

- SIMPLE INSTALLATION
- CONFIGURATION WIZARD
- CLEAR DISPLAY
- EASY MAINTENANCE

WASTEWATER & DRAINAGE

Part Number	Item Code	Volts In	Volts Out	kW	Max Flow (lpm)	A	Point Range Communication (bar)	Ports	List
DAB-ACTIVERDRIVERPLUSMM1.1	804723	240V	1 PH	1.1	300	8.5	1-6 set	Ports 1¼" BSPM In, 1½" BSPF out	\$1,449
DAB-ACTIVERDRIVERPLUSMM1.8	805299			1.8		14	1-9 set		\$2,049
DAB-ACTIVERDRIVERPLUSMT2.2	804725		3 PH	2.2		10.5	1-13 set		\$2,299
DAB-ACTIVERDRIVERPLUSTT3.0	804726	415V		3.0		7.5			\$3,049



INVERTER

Active Driver Plus ensures that the pump uses the minimum necessary power to meet the pumping needs, avoiding unwanted waste and bringing significant energy savings.



DISPLAY

Extremely clear LED Display. The intuitive interface provides access to all the information, giving the possibility of customising the main settings based on the specific application.



EXTENDED PUMP LIFE

Thanks to the inverter technology that reduces the speed of the motor, the life of the pump is extended considerably.



PRESET FOR OPERATION IN SETS

Active Driver Plus is ready for operation in pressurisation set. Each pump will require an Active Driver Plus, which will control it to ensure minimisation of electricity consumptions.



FLOW AND PRESSURE SENSORS

Integrated electronic pressure transducer and flow sensor. Active Driver Plus does not require external sensors.



NON-RETURN VALVE

Easily removable for maintenance.



BUILDING SERVICES DISCOUNT APPLIES FOR THESE PRODUCTS

PACKAGED PUMP STATION

250L Polyethylene Lifting Pump Station with Single Free Standing Plumbing and Pump

INCLUDED:

iCON250L PUMP STATION: DIA: 630mm (base) x H: 875mm, 730mm x 730mm (top)

- PE lid
- DN100 invert seal
- Combination ball/swing check valve
- Camlock to pump and discharge manifold
- 6mm stainless steel lifting chain and 6mm stainless steel dee shackles
- Tank discharge fitted

Package Station

iCON



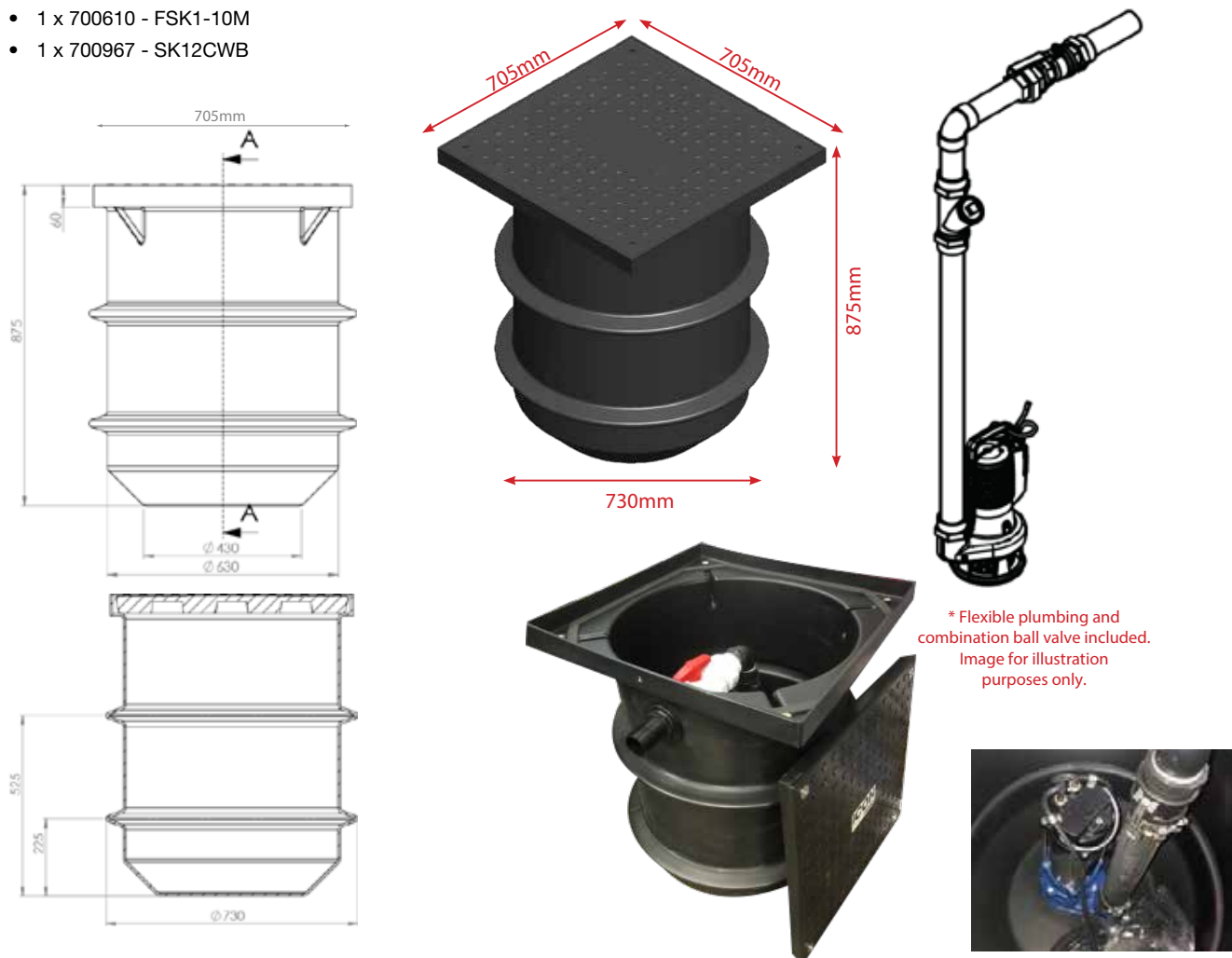
Pump - B120GS2



BIANCO B120GS2		B120GS2 Grinder Pump 240V, QMAX: 341l/m, HMAX: 20m	
Part Number	Item Code	Description	List
BIA-ICON250PSFB120GS2-ALM	805024	iCON 250L Tank, BIA-B120GS2, BIA-iALARM - Not IECEEx	\$2,399
BIA-ICON250PSFB120GS2	807859	iCON 250L Tank, BIA-B120GS2 - Not IECEEx	\$2,149
BIA-ICON RISER150MM	809772	150mm Riser to suit 250 PE Tank	\$300
BIA-ICON RISER300MM	809773	300mm Riser to suit 250 PE Tank	\$330

Pump Control Options (Not Included)

- 1 x 802687 - SPC1-22
- 1 x 700610 - FSK1-10M
- 1 x 700967 - SK12CWB



Note: Standard building services discount applies. As per our trading terms and conditions 7.1(ii) select bulky goods will incur freight charges as per cube and weight to all destinations. Sydney metro is FIS.



Bianco iCON Control Solutions

- Easy pump value setting for pump start & stop – software configurable
 - Multiple fault history recording*
 - Run dry contact input for external alarms and notifications
 - Up to IP54 protection grade (weatherproof)
 - Digital external monitor (RS485 Communication)*
 - Provision for multiple digital & analogue inputs (typically low Level, stop/start, standby in and high level)*
 - Lamp, strobe and buzzer test features*
 - Full LCD level alarm display and real-time operation feedback*
 - Level alarm delay feature*
 - Anti seize/freeze feature, for low use and seasonal pumping applications
 - Included remote slave control device (SPC, DPC Series only)*
 - Intelligent installation wiring diagnostics*
- *Excludes iPRESS and nXt controller



BUILDING SERVICES DISCOUNT APPLIES FOR THESE PRODUCTS

BIANCO ICON CONTROLLERS

iCON
SERIES CONTROLS


Intelligent Controllers

The Bianco iCON range of intelligent controllers are:

- Suitable for installation in various industrial and domestic applications
- **Function Switches** for drainage, pressure boosting and transfer applications
- **User Friendly** features for controlling and protecting pumps and reporting faults with live data retention
- **Slave control functionality included** with iCON intelligent devices as standard
- **RS485 communication interface** for easy integration into Building Management Systems
- **Ingress protection** rating IP54 with intelligent dynamic LCD display for pump running information that is suitable for installation both indoors and outdoors
- **Automatic Calibration** of iCON intelligent controller which sets pump thermal overload by means of button push
- Optional enclosure with an external door available

SPC Series - Single pump controllers

Part Number	Item Code	Description	Volts	kW	List
BIA-SPC1-22	802687	Single Pump Control Panel	240	2.2	\$799
BIA-SPC1-22S	803810	Single pump Control Panel with 0-2m transducer for drainage and sewage applications.			\$999
BIA-SPC3-40	802688	Single Pump Control Panel	415	4.0	\$849
BIA-SPC3-110	802689	Single Pump Control Panel		11.0	\$899
BIA-SPC3-150	802690	Single Pump Control Panel		15.0	\$979
BIA-SPC-SC	802698	Single Pump Slave Control			\$107



DPC Series - Dual pump controllers

Part Number	Item Code	Description	Volts	kW	List
BIA-DPC1-22	802691	Dual Pump Control Panel	240	2.2	\$949
BIA-DPC1-22S	803811	Dual pump Control Panel with 0-2m transducer for drainage and sewage applications.			\$1,199
BIA-DPC3-40	802692	Dual Pump Control Panel	415	4.0	\$999
BIA-DPC3-110	802693	Dual Pump Control Panel		11.0	\$1,149
BIA-DPC3-150	802694	Dual Pump Control Panel		15.0	\$1,183
BIA-DPC-SC	802699	Dual Pump Slave Control			\$129



Cover

Part Number	Item Code	Description	List
BIA-iCOVER	802700	Metal enclosure for control panel with lockable door. Includes 803417 audio and visual alarm. 500W x 400H x 200D	\$349





BUILDING SERVICES DISCOUNT APPLIES FOR THESE PRODUCTS

BIANCO ICON CONTROLLERS

Bianco iDRIVE

The Bianco iDRIVE eliminates the requirement for large pressure tanks and switches used for automatic operation as well as associated pressure cycling.

Provides both the ability to conserve energy by operating the pump according to the speed required to maintain constant pressure and further allowing for multiple set points to be met.

The controllers are equipped with an easy to use LCD display that is designed and built for controlling pump systems from the ground up. All controllers are IP55 rated and include a mounting bracket.



ICON
SERIES CONTROLS



Part Number	Item Code	Phase In	Phase Out	kW	A	Max. No. of Drives	List		
BIA-iDRIVE1150-240	802670	1 Phase 240V In	1 Phase 240V Out	1.5	7	1	\$1,299		
BIA-iDRIVE1220-240	803815			2.2	14		\$2,449		
BIA-iDRIVE1150	802671		3 Phase 240V Out	1.5	7	6	\$1,349		
BIA-iDRIVE1220	802672			2.2	10		\$1,499		
BIA-iDRIVE3220	802673	3 Phase 415V In	3 Phase 415V Out		5		\$1,999		
BIA-iDRIVE3400	802674			4.0	9		\$2,699		
BIA-iDRIVE3550	802675			5.5	13		\$2,999		
BIA-iDRIVE3750	802676			7.5	17		\$3,249		
BIA-iDRIVE31100	803188			11	25		\$4,599		
BIA-iDRIVE31500	803189			15	32		\$5,249		
BIA-iDRIVE31850	803190			18.5	37		\$5,799		
Part Number	Item Code	Description					List		
BIA-iDRIVETRANS1MPA	802680	Transducer 4.20 MA 1 mPa					\$249		
DAB-EBOXTRANSUDUCER16BAR	805323	Pressure transducer 16 bar					\$289		

WASTEWATER & DRAINAGE

Bianco iALARM

- Level Alarm
- 10A 240V
- Includes 10m low voltage float switch with counterweight, audible and visible alarm, and high/low level alarm push button selectable.

Part Number	Item Code	Amps	Volts	List
BIA-iALARM	802695	10	240	\$549



WASTEWATER & DRAINAGE DISCOUNT APPLIES FOR THIS PRODUCT

Bianco iPROTECT

Bianco iPROTECT is used to control single-phase pumps up to 2.2 KW and is suited for borehole, drainage, transfer and boosting in single pump applications.

The Bianco iPROTECT is suitable for "3-wire" PSC motors where the remote capacitor can be mounted inside the Bianco iPROTECT as well as 2-wire PSC motors with internal capacitor commonly found in surface mounted and submersible drainage single-phase pumps.



Part Number	Item Code	Description	List
BIA-iPROTECT	802697	Pump Protection Control 240V, 0.37-2.2kW	\$549



ACCESSORIES



better together

Part Number	Item Code	Description	List	Image
BIA-SK12(5M)	700965	5m Float Switch 10A with HO5 Neoprene Cable	\$50	
BIA-SK12(10M)	700962	10m Float Switch 10A with HO5 Neoprene Cable	\$70	
BIA-SK12(20M)	700963	20m Float Switch 10A with HO5 Neoprene Cable	\$125	
BIA-SK12(30M)	700964	30m Float Switch 10A with HO5 Neoprene Cable	\$180	
ZEN-FLOATIECEX5M	800291	IECEX Float Switch 5m (Zone 2 Compliant)	\$139	 IECEX APPROVED
ZEN-FLOATIECEX10M	800290	IECEX Float Switch 10m (Zone 2 Compliant)	\$179	
ZEN-FLOATIECEX20M	801123	IECEX Float Switch 20m (Zone 2 Compliant)	\$299	
BIA-iCOVER	802700	Building services discount applies Metal enclosure for control panel with lockable door. Includes 803417 audio and visual alarm. 500W x 400H x 200D 	\$349	
BIA-SIREN12VDC	803417	Building services discount applies 12V DC Siren Audio and visual alarm 	\$43	
BIA-SUBMANIFOLD	803874	1" Manifold with transducer and pressure gauge connections	\$139	

ZENO

NAVIGATOR SUITE

Select and Configure Zenit's Products and Spare Parts

zenit.com/en-US/Zeno-Navigator-Suite



ACCESSORIES



Part Number	Item Code	Description	List	Image
WHI-CFBALL50V	711155	Coupling Device C/W Ball NRV and Bleed, Vertical Outlet	\$949	
ZEN-CFBLUE40MM	802785	40mm vertical discharge pumps DG Blue 40, 50, 75 & 100	\$899	
ZEN-CFBLUE50MM	802109	50mm vertical discharge pumps DG BluePRO 150 & 200 and DR BluePRO 150 & 200	\$899	
WHI-CF50V	711149	Coupling Device with Vertical Outlet	\$699	
ZEN-CF65	711150		\$999	
ZEN-CF80	711152		\$1,099	
ZEN-CF100	711141		\$1,249	
ZEN-NRVBALL32	711468	Ball Type Non-Return Valve	\$299	
WHI-NRVBALL40	711469		\$349	
WHI-NRVBALL50	711470		\$429	
ZEN-NRVBALL65	711472		\$599	
ZEN-NRVBALL80	711473		\$879	
ZEN-NRVBALL100	711465		\$1,129	
ZEN-CABLE3G1	711133	Cable H07 RNF	\$15	
ZEN-CABLE4G1	805143		\$15	
ZEN-CABLE4G1.5	711135		\$18	
ZEN-CABLE4G1.5 + 3G0.75	711136		\$34	
ZEN-CABLE7G1.5 + 3G0.75	711138		\$55	
ZEN-PN16-2	711478	Flange 2" PN10-16 Stainless steel	\$149	
ZEN-PN16-2.5	711479	Flange 2-1/2" PN10-16 Stainless steel	\$165	
ZEN-PN16-3	711480	Flange 3" PN10-16 Stainless steel	\$199	
ZEN-PN16-4	711481	Flange 4" PN10-16 Stainless steel	\$209	
WHI-CLAW	807150	Adaptor to suit Grundfos SEG rail system	\$199	
WHI-FLT2	711391	Flygt Adaptor 2", 3/4" Guide Rails	\$299	
ZEN-FLT65	802267	Flygt Adaptor 65mm, 1 1/2" Guide Rails	\$449	
ZEN-FLT80	711392	Flygt Adaptor 80mm, 2" Guide Rails	\$699	
ZEN-FLT100	711389	Flygt Adaptor 100mm, 2" Guide Rails	\$879	



**ENGINE
DRIVEN**

POWERED BY BRIGGS & STRATTON

QUICK START ENGINE | 800 HOUR RATED ENGINE | 3 YEAR WARRANTY

6.5HP Fire Pump

BIA-HP15ABS - 804452



6.5HP Twin Stage Fire Pump

BIA-2HP15ABS - 804453



- Next Generation Engine & Pump Design
- 800 Hour High Performance Engine
- Lo-tone™ Muffler for reduced noise
- Low emissions to latest Australian Standards
- Full national engine support across 400+ Briggs & Stratton service centres
- Low oil level engine protection
- Full serviceability
- Heads to 80m and flows to 330lpm



prepare.

act.

survive.

Living the rural life can be safe and peaceful, however this can change in an instant if bush fires are raging. Home owners should be prepared and take every precaution necessary, this is the key to saving your home in the event of a fire.

By following some simple steps you can ensure your home is prepared for unexpected bushfires:

1. Reduce the amount of flammable material around the home including dead branches, fallen leaves and long grass
2. Spark proof the house by measures such as metal fly wire
3. Prepare a fire kit containing fire blanket and fire extinguisher and locate it where it will be easily reached in an emergency
4. Practice evacuation procedures in case you choose to leave the home, similarly perform fire fighting drills with your pump in case you choose to stay and fight
5. Ensure that your fire fighter pump is filled to capacity with petrol
6. Importantly, ensure adequate water reserves are available at all times

In the event that electricity is unavailable a fire fighting pump will provide you with water to fight fires from further away.

FIRE FIGHTING PUMPS

Briggs & Stratton single cylinder, 4 stroke, forced air cooled, OHV engine.

Features:

- Custom built roll frame
- Rubber mounting feet
- Low oil level engine protection
- Low oil sensor
- Full serviceability
- Heavy duty fuel cap

Applications:

- Fire Fighting
- Dust Suppression
- Water Transfer
- Tank Filling
- De-watering

AUSTRALIAN
EMISSIONS
STANDARD
APPROVED

BIANCO
PUMPZ

BIANCO
3
YEAR WARRANTY

Quick
START
Promise

POWERED BY
BRIGGS & STRATTON



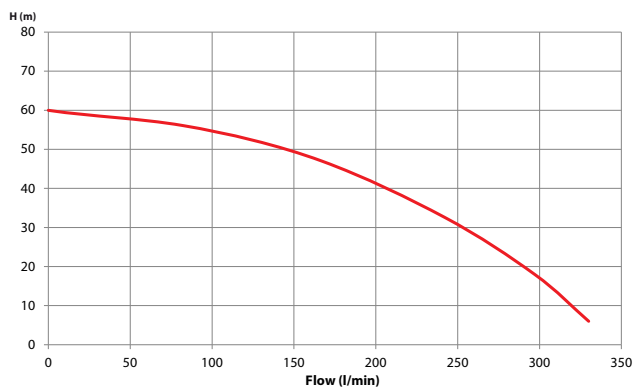
BIA-HP15ABS



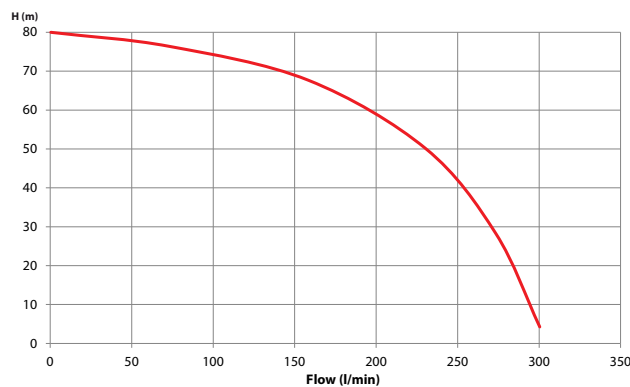
BIA-2HP15ABS

PERFORMANCE CURVES:

BIA-HP15ABS



BIA-2HP15ABS



Part Number	Item Code	HP	Type of Pump	Max Head (m)	Max Flow (lpm)	Suction (m)	GW (kg)	Ports	List
BIA-HP15ABS	804452	6.5	Single Impeller	60	330	8	28.2	1 x 1½" 2 x 1" BSPM Out 1 x 1.5" BSPM In	\$1,299
BIA-2HP15ABS	804453	6.5	Twin Impeller	80	300	8	29.2	1 x 1½" 2 x 1" BSPM Out 1 x 1.5" BSPM In	\$1,399

Performances quoted are intermittent maximum

FIRE FIGHTING HOSE KIT

Part Number	Item Code	Kit Inclusions	List
BIA-FFHK	700578	1 x 5m x 38mm grey PVC suction hose c/w strainer, nut and tails. 2 x 10m x 20mm fire fighting delivery hose c/w nozzles, nuts & tails	\$294





ENGINE DRIVEN PUMPS



We have a range of Engine Driven Pumps capable of handling high volume pumping jobs easily and efficiently.

These petrol pumps can be used in a range of heavy duty applications, including dust suppression, tank filling, water transfer, de-watering, crop spraying and irrigation.

They are the ideal all-purpose pump with a 6-8m suction lift capability.



ENGINE
DRIVEN

NEXT GENERATION | HIGH PERFORMANCE | HIGH EFFICIENCY

- Next Generation Engine & Pump Design
- 800 Hour High Performance Engine
- Lo-tone™ Muffler for reduced noise
- Low emissions to recognised global standards
- Full national engine support across 400+ Briggs & Stratton service centres



ENGINE DRIVEN PUMPS

Features:

- Custom built frame
- Spark arrester
- Full serviceability
- Single cylinder, 2 stroke or 4 stroke (WP15A)
- Forced air cooled engine
- Suction to 8m

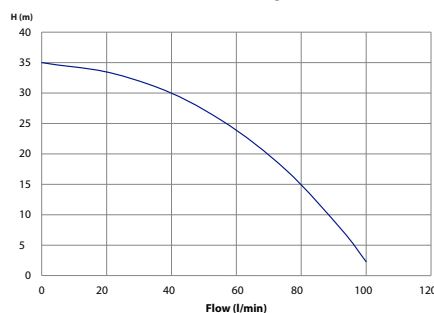
Applications:

- Dust Suppression
- Water Transfer
- Tank Filling
- De-watering

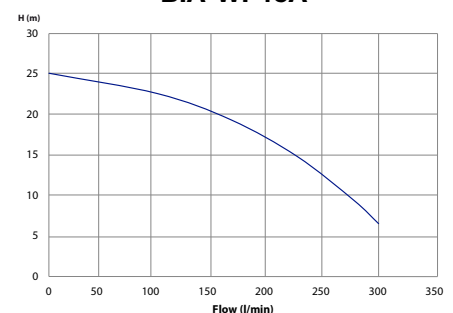


PERFORMANCE CURVES:

BIA-WP10

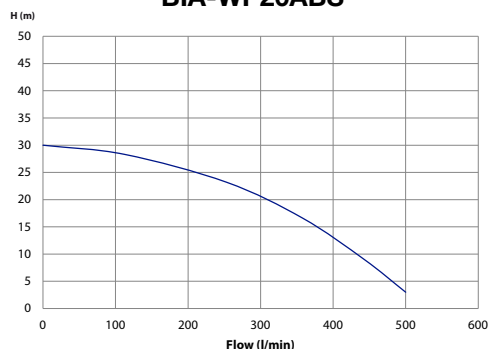


BIA-WP15A

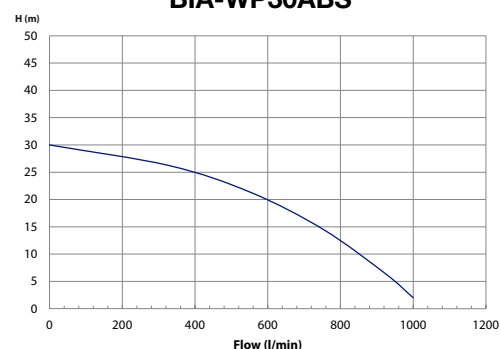


PERFORMANCE CURVES:

BIA-WP20ABS



BIA-WP30ABS



Part Number	Item Code	HP	Max Head (m)	Max Flow (lpm)	Suction (m)	GW (kg)	Ports	List	
BIA-WP10	804448	1.6	35	100	8	10.1	1" BSPM In, 1" BSPM Out	\$454	
BIA-WP15A	804449	3.0	25	300		17.5	1 x 1½" BSPM In, 1 x 1½" BSPM Out	\$599	
BIA-WP20ABS	804450	5.0	30	500		26.2	1 x 2" BSPM Out, 1 x 2" BSPM In	\$1,049	
BIA-WP30ABS	804451		30	1000		28.2	1 x 3" BSPM Out, 1 x 3" BSPM In	\$1,199	
BIA-LAYFLATKIT	700755	Lay Flat 20m 2" Hose suits WP20ABS							\$209

Performances quoted are intermittent maximum



RAIN HARVESTING



RAINSAVER MK6

Features & Benefits

- Requires no power supply and consumes no electrical energy
- Suitable for a wide range of rain harvesting set-ups
- Designed to operate with pumps and mains up to 1000 kPa (145 psi)
- Pump flows to 95 l/m, mains flow to 40 l/m (at 500kPa mains)
- Designed to further save water resources by reducing incoming mains to 200 kPa
- Requires no weather proofing
- Can be mounted any distance from the pump underground or inside a tank
- Completely waterproof - Can be hosed down without the fear of electrocution
- UV stabilised technopolymer for long life and good looks
- All Rainsaver MK6 pumps are independently controlled to regulate flows and pressures whilst protecting the pump against voltage fluctuations, loss of water and incorporate a 24 hour automatic pump restart
- WaterMark approved components for connection to all town water supplies
- Safe against water borne bacteria, dezincification and lead poisoning
- No unsightly controller power, water level float cables or the need for a dedicated controller power point
- Australian owned and designed

The RAINSAVERMK6 is an Automatic Rainwater / Mains Water Changeover Device designed to provide automatic mains back up for Pressure Pump supply systems.

The RAINSAVERMK6 is designed to be installed in conjunction with a Pressure Pump supply system that is fitted with an independent pressure and flow controller with loss of prime protection and 24 hour auto restart.

Product Specifications:

Maximum Water Temperature (mains & pump)	40°C
Maximum Recommended Continuous Pump Flow	120 L/min
Maximum Recommended Pump Pressure	1000 kPa
Maximum Recommended Mains Inlet Pressure	1000 kPa

**rainsaver****WaterMark**AT55200.477:2006
License No. 23022



RAINSAVER MK6 PUMP PACKAGES

Part Number	Item Code	Description	kW	kPa	Taps*	lpm	List
Submersible Pump Packages							
RS6-NXTP300KPA	804708	Rainsaver MK6 & nXt PRO Includes a rainwater-mains changeover kit and a nXt PRO pump controller	2.2	300	-	120	\$551
RS6-B42ACMPC20BP	805772	Rainsaver MK6 & BIA-B42ACMPC20 Includes a rainwater-mains changeover kit and a high head multistage submersible clean water pump, built in riser and auto restart pump controller	0.55	320	10	95	\$1,099
RS6-DIVERTRON1200	804712	Rainsaver MK6 & DAB-DIVERTRON1200 Includes a rainwater-mains changeover kit and a multistage technopolymer submersible pump	0.75	470	9	95	\$1,349
Surface Mounted Pump Packages							
RS6-ESYBOXMINI³	805930	Rainsaver MK6 & DAB-ESYBOXMINI³ Includes a rainwater-mains changeover kit and a variable speed electronic pump. Supplied as a kit for assembly.	0.85	550	8	80	\$1,899
RS6-INOX45S2MPCX	805127	Rainsaver MK6 & BIA-INOX45S2MPCX Includes a rainwater-mains changeover kit and a stainless steel electronic self-priming pump. Supplied as a kit for assembly.	0.45	380	5	58	\$879
RS6-INOX60S2MPCX	804715	Rainsaver MK6 & BIA-INOX60S2MPCX Includes a rainwater-mains changeover kit and a stainless steel electronic self-priming pump. Supplied as a kit for assembly.	0.60	420	6	62	\$979
RS6-INOX90S2MPCX	804716	Rainsaver MK6 & BIA-INOX90S2MPCX Includes a rainwater-mains changeover kit and a stainless steel electronic self-priming pump. Supplied as a kit for assembly.	0.75	450	7	78	\$1,099

*Taps are calculated at 10 L/m | RAINSAVER MK6 - Not for sale separately



NXTP300KPA



B42ACMPC20BP



DIVERTRON1200



ESYBOXMINI³



INOX SERIES





RAINSAYER MK4E

Features & Benefits

- Revolutionary design
- Designed to operate with pumps up to 800kPa (116psi)
- 100 litres per minute flow for large homes and commercial applications
- Aesthetically designed and requires no weather proofing
- Barrel unions and “Torque Set” safety spanner are included to facilitate ease of servicing and to avoid tool damage or over tightening
- UV stabilised technopolymer for long life and good looks
- All Rainsaver MK4E pumps are independently controlled to regulate flows and pressures whilst protecting the pump against voltage fluctuations, loss of water and incorporate a 24 hour automatic pump restart
- WATERMARK approved for connection to all Town Water supplies. Safe against water borne bacteria, dezincification and lead poisoning.
- Auxillary outlet allows for “energy saver” water storage - pressure vessels to reduce pump starts
- Revolutionary “Mono Channel” design does not restrict flow or reduce pressures, eliminates any possibility of water leaks
- 12 volt low voltage float switch with counter weight and “mossy stopper” ensures total reliability and safety within 10m cable

Product Specifications:

Maximum Water Temperature (mains & pump)	40°C
Maximum Recommended Continuous Pump Flow	100 L/min
Maximum Recommended Pump Pressure	800 kPa
Maximum Recommended Mains Inlet Pressure	800 kPa
Low Voltage Switch Output	12V
Low Voltage Switch Cable Length	10m
Power Supply Lead	2m



Part Number	Item	Volts	kW	HP	IP Rating	List
BIA-RAINSAYERMK4E	805617	240	1.3	1.5	IP33	\$349



WaterMark
ATS5200.477:2006
License No. 23022





RAINSAVER MK4E PUMP PACKAGES

Part Number	Item Code	Description	kW	kPa	Taps*	lpm	List
Submersible Pump Packages							
RS4E-DIVERTRON1200	803142	Rainsaver MK4E & DAB-DIVERTRON1200 Includes a rainwater-mains changeover kit and a multistage technopolymer submersible electronic pump.	0.75	470	9	95	\$1,249
RS4E-B42ACMPCXBPH	805666	Rainsaver MK4E & BIA-B42ACMPCX Includes a rainwater-mains changeover kit, a high head multistage submersible clean water automatic pump with built in riser & galvanised enclosure	0.55	320	10		\$1,099
RS4E-B42ACMPCXH	805665	Rainsaver MK4E & BIA-B42ACMPCXH Includes a rainwater-mains changeover kit, a high head multistage submersible clean water automatic pump with built in riser & stainless steel enclosure					\$1,099
Surface Mounted Pump Packages							
RS4E-ESYBOX	805929	Rainsaver MK4E & DAB-ESYBOX Includes a rainwater-mains changeover kit and a variable speed electronic pump. Supplied as a kit for assembly.	1.55	600	12	120	\$2,799
RS4E-INOX45S2NXT	808476	Rainsaver MK4E & BIA-INOX45S2NXT Includes a rainwater-mains changeover kit and a stainless steel electronic self priming pump. Supplied as a kit for assembly.	0.45	343	4	58	\$779
RS4E-INOX60S2NXT	808477	Rainsaver MK4E & BIA-INOX60S2NXT Includes a rainwater-mains changeover kit and a stainless steel electronic self priming pump. Supplied as a kit for assembly.	0.60	411	5	62	\$848
RS4E-INOX90S2NXT	808478	Rainsaver MK4E & BIA-INOX90S2NXT Includes a rainwater-mains changeover kit and a stainless steel electronic self priming pump. Supplied as a kit for assembly.	0.75	490	6	78	\$948
RS4E-JETCOM82NXT	808463	Rainsaver MK4E & DAB-JETCOM82NXT Includes a rainwater-mains changeover kit and a technopolymer electronic self priming jet pump. Supplied as a kit for assembly.	0.60	460		60	\$928
RS4E-JINOX82NXTP	808464	Rainsaver MK4E & DAB-JINOX82NXTP Includes a rainwater-mains changeover kit and a stainless steel electronic self priming jet pump.					\$1,248
RS4E-EUROINOX30/50NXTP	808465	Rainsaver MK4E & DAB-EUROINOX30/50NXTP Includes a rainwater-mains changeover kit and a stainless steel horizontal multistage electronic self priming pump	0.55	413	8	80	\$1,698
RS4E-EUROINOX40/80NXTP	808466	Rainsaver MK4E & DAB-EUROINOX40/80NXTP Includes a rainwater-mains changeover kit and a horizontal multistage self priming electronic pump	1.0	577	12	120	\$1,898

*Taps calculated at 10 L/m



AcquaSaver®



Water Diversion Valve

Hydraulically Operated

Solid Brass Construction

Built-In Dual Check Valves



AcquaSaver®



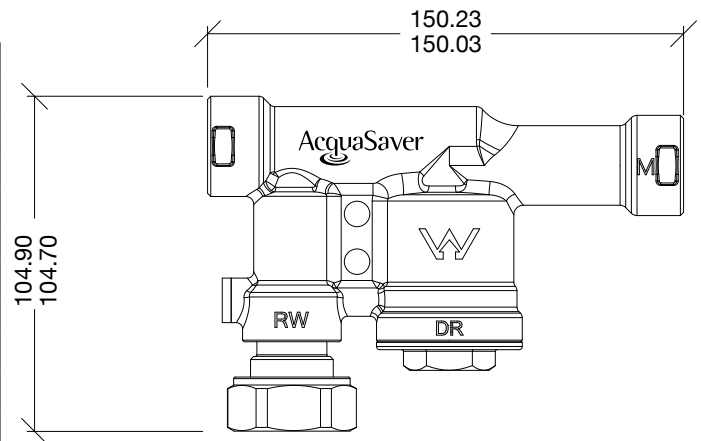
The AcquaSaver® Valve is a fully automatic mechanical rainwater/mains water changeover device designed for pressure pump supply systems for harvesting rainwater for the toilet, laundry and household applications with automatic mains backup. It is suitable for up to 2 toilets and washing machine and an extra tap outlet.

Features:

- Easy to install
- Patented design
- Solid Brass mounting bracket (optional)
- Watermark approved to WMTS477/LN60075
- Does not require regular maintenance
- No electrical consumption - No electronic components
- Solid brass construction - Fully weatherproof - Built to last
- Suitable for any pressure pump with sufficient head pressure
- Can be mounted in any position
- Built-in dual check valve for backflow prevention

3/4" AcquaSaver Specifications	
Max Mains Pressure	500 KPa
Max Pump Pressure	600 KPa
Min Pump Pressure	300 KPa
Max Flow Rate	50 LPM
Max Water Temperature	40 C
Min Water Temperature	0 C
Pump Inlet	25mm 1" BSP F
Mains Water in	20mm 3/4" BSP F
Outlet	20mm 3/4" BSP F
Weight	0.85 KG

3/4" AcquaSaver 2 line drawing



Part Number	Item Code	Description	Watts	kPa	Taps*	lpm	List
CLA AQUASAVER 3	807703	1" AcquaSaver Rainwater Device					\$429
CLA AQUASAVER 2	807704	3/4" AcquaSaver Rainwater Device					\$349
A2-INOX45S2MPCX	808359	INOX45S2MPCX + 3/4" AcquaSaver Device	450	380	4	58	\$779
A2-INOX60S2MPCX	808360	INOX60S2MPCX + 3/4" AcquaSaver Device	600	420	5	62	\$879
A2-INOX90S2MPCX	808361	INOX90S2MPCX + 3/4" AcquaSaver Device	750	450	6	78	\$979
A2-JETCOM62NXT	808467	JETCOM62NXT + 3/4" AcquaSaver Device	440	410	4	45	\$860
A2-JETCOM82NXT	808468	JETCOM82NXT + 3/4" AcquaSaver Device	600	460	6	60	\$879
A2-DIVERTRON1200	808364	DIVERTRON1200 + 3/4" AcquaSaver Device	750	470	9	95	\$1,249





POOL



POOL PUMPS



Euroswim

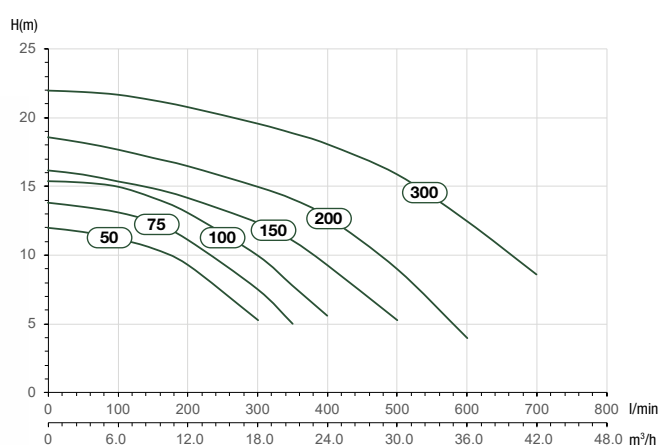
High efficiency self-priming centrifugal pumps with built-in large capacity pre-filter. Extremely quiet running and great reliability, developed for water circulation and filtration in domestic swimming pools. Suitable also for special applications that call for handling of aggressive liquids such as fish farms, agriculture and industry.

Features:

- Pump body in fibreglass reinforced technopolymer
- Nylon strainer covering clear antioxidant polycarbonate to guarantee constant visibility through time
- Impeller in fibreglass-reinforced technopolymer developed to ensure total coverage and isolation of the motor shaft from the pumped liquid
- Diffuser in reinforced technopolymer
- Mechanical seal in carbon / alumina / NBR / AISI 316
- Pump body O-rings in NBR, threaded fasteners and reinforcing rings in AISI 304
- Butterfly drain plugs that can be removed and refitted without tools
- Asynchronous continuous duty 2-pole motor
- Single phase version with integral thermal and overcurrent protection and permanent split capacitor (PSC), assembled inside the terminal box for all versions
- Option of 2" BSP or PVC sockets to suit DN40 and DN50

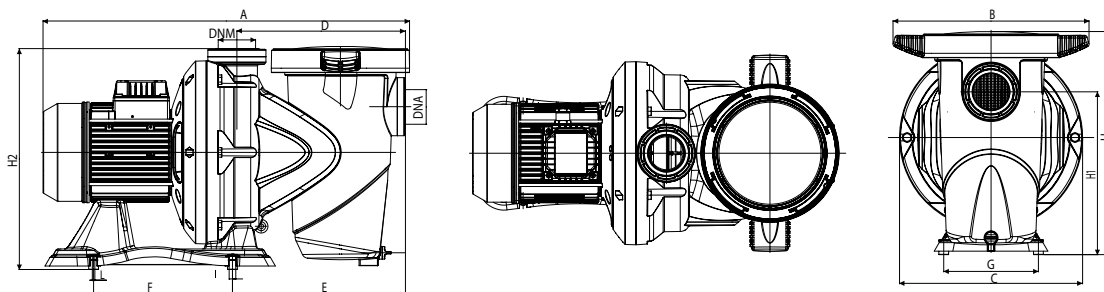


PERFORMANCE CURVE:



Part Number	Item Code	kW	HP	Volts	Max Head (m)	Max Flow (lpm)	Ports	List
DAB-EUROSWM50M	701552	0.33	0.5	240	12	300	2" BSPF and sockets suit DN40, DN50 PVC	\$599
DAB-EUROSWM75M	701553	0.5	0.75		13.8	350		\$649
DAB-EUROSWM100M	701549	0.75	1.0		15.4	400		\$749
DAB-EUROSWM150M	701550	1.1	1.5		16.2	500		\$799
DAB-EUROSWM200M	701551	1.5	2.0		18.6	600		\$899
DAB-EUROSWM300M	805773	2.2	3.0		22	700		\$999

DIMENSIONAL DRAWINGS (mm):



MODEL	A	B	C	D	E	F	G	H	HI	H2	I	L	DNA	DNM	PACKING DIMENSIONS			GROSS WEIGHT KG
															L	W	H	
EUROSWIM 50 M	536	242	242	257	265	220	150	351	222	314	11	6.5	2"	2"	600	360	400	16
EUROSWIM 75 M	552		245															16.5
EUROSWIM 100 M																		17
EUROSWIM 150 M	574	250	290	267	274			387	258	350					720	350	430	22
EUROSWIM 200 M	648																	24
EUROSWIM 300 M	645					252	24.5											

POOL PUMPS

E.Swim

E.Swim is an electronic swimming pool pump with built-in high capacity strainer basket, ideal for water circulation and filtration in residential pools.

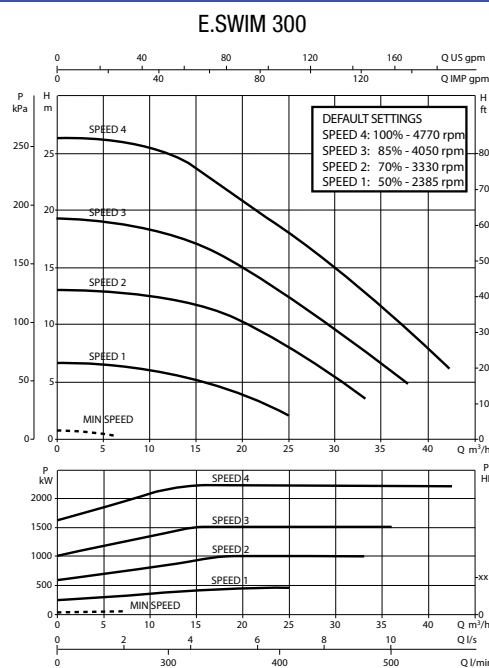
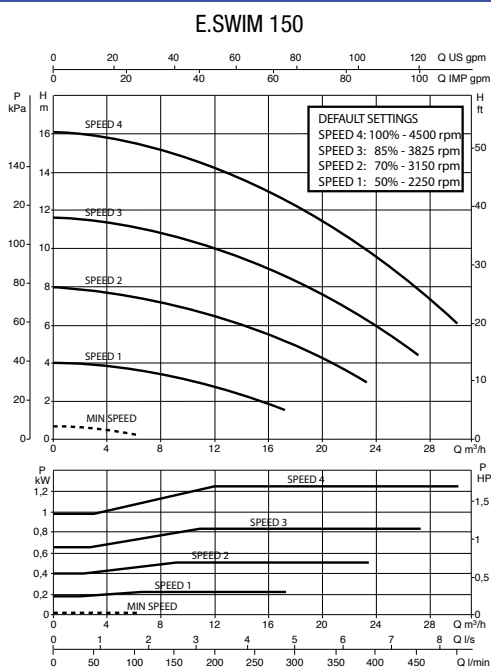
Features:

- The frequency converter technology combined with the high efficiency permanent magnet motor, cooled by the pumped liquid, grant the best energy savings and is extremely quiet
- Can be installed in small, poorly ventilated spaces due to water cooled motor
- Intuitive interface panel, with LCD display and keypad for easy programming, with diagnostic software integrated for pump and plant protection
- Function mode with speed control or flow control, suitable for different swimming pool types
- May be controlled remotely when installed with connection cable kit
- Option of 2" BSP or PVC sockets to suit DN40 and DN50



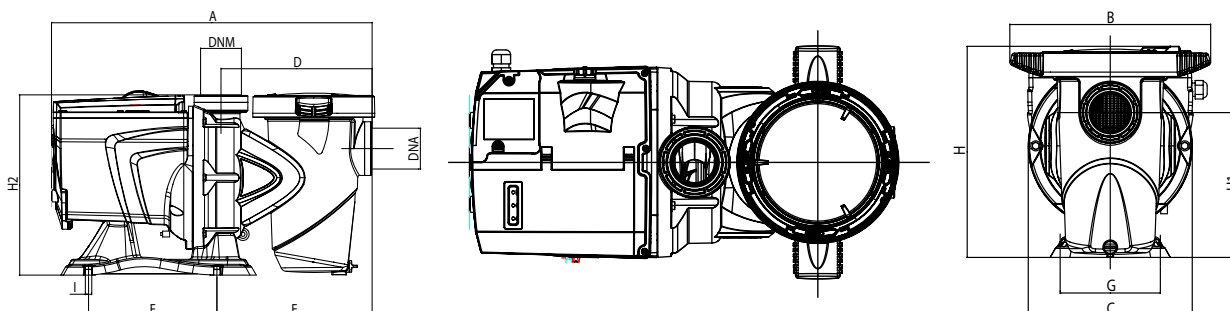
E.SWIM

PERFORMANCE CURVE:



Part Number	Item Code	kW	HP	Volts	Max Head (m)	Max Flow (lpm)	Ports	List
DAB-ESWIM150	805774	1.1	1.5	240	16	500	2" BSPF and sockets suit DN40 & DN50 PVC	\$2,499
DAB-ESWIM300	808721	2.2	3.0		26	708		\$2,999

DIMENSIONAL DRAWING (mm):



MODEL	A	B	C	D	E	F	G	H	H1	H2	I	DNA	DNM	PACKING DIMENSIONS			GROSS WEIGHT KG
														L	W	H	
ESWIM	550	300	245	259	266	220	150	316	217	309	11	2"	2"	720	350	4730	19



SPARE PARTS

DAB SPARE PARTS

Mechanical seals



Part Number	Item Code	Models to suit	List
DAB-S100M-16	701768	DAB-100	\$47
		DAB-151	
		DAB-251	
		DAB-K12-200	
		DAB-K14-400	
		DAB-K30-100	
		DAB-K30-70	
		DAB-K35-100	
		DAB-K36-100	
		DAB-K40-100	
		DAB-K45-50	
		DAB-K55-50	
DAB-S61M-16	701921	DAB-61	\$47
		DAB-JET/JETCOM/JETINOX62	
		DAB-81	
		DAB-JET/JETCOM/JETINOX82	
		DAB-JET/JETCOM/JETINOX102	
		DAB-JET/JETINOX112	
		DAB-JET/JETINOX132	
		DAB-K20-41	
		DAB-JINOX90	
		DAB-JINOX110	
DAB-SR00005282	702257	DAB-EUROINOX -all Models	\$47
DAB-SR00005210	702216	DAB-200	\$47
		DAB-300	
DAB-SR00005652	702439	DAB-K11-500	\$216
		DAB-K18-500	
		DAB-K28-500	
		DAB-K40-200	
DAB-SR00005551	702387	DAB-K55-100	\$197
		DAB-K55-200	
		DAB-K66-100	
		DAB-K90-100	
DAB-SR00005586	702407	DAB-K20-1200	\$347
		DAB-K30-800	
		DAB-K40-400	
		DAB-K40-800	
		DAB-K50-400	
		DAB-K50-800	
DAB-SP00000157	802348	DAB-ESYBOX	\$111
DAB-SP00001144	804947	DAB-ESYBOXMINI	\$97

DAB SPARE PARTS

Jet & Venturi



Part Number	Item Code	Description	Models to suit	List
DAB-SR00004013	702082	Includes Diffuser	DAB-62	\$62
			DAB-JETCOM 62	
			DAB-JINOX 62	
DAB-SR00004028	702087	Includes Diffuser	DAB-82	\$62
			DAB-JETCOM 82	
			DAB-JINOX 82	
			DAB-102	
			DAB-JETCOM 102	
			DAB-JINOX 102	
			DAB-112	
			DAB-JINOX112	
DAB-SR00005164	702194	Includes Diffuser	DAB-132	\$80
			DAB-JETCOM132	
			DAB-JINOX132	
DAB-SR00005248	702234	Jet & Venturi	DAB-151	\$47
DAB-SR00005256	702242	Jet & Venturi	DAB-251	\$47
DAB-SR00005212	702218	Jet & Venturi	DAB-200	\$47
			DAB-300	

DAB SPARE PARTS

Impellers



Part Number	Item Code	Description	Models to suit	List
DAB-SR00007493	702628	Impeller Kit, includes Diffuser, O-ring, Key, Impeller Nut	DAB-61 K20-41	\$47
DAB-SR00004010	702080	Impeller - includes diffuser	DAB-62 DAB-JETCOM 62 DAB-JINOX 62 DAB-82 DAB-JETCOM 82 DAB-JINOX 82	\$80
DAB-SR00005365	702278	Impeller Kit, includes Diffuser, O-ring, Key, Impeller Nut	DAB-81	\$62
DAB-SR00005153	702190	Impeller - includes Diffuser	DAB-102 DAB-JETCOM 102 DAB-JINOX 102	\$86
DAB-SR00005158	702192	Impeller - includes Diffuser	DAB-JINOX112 DAB-132 DAB-JETCOM 132 DAB-JINOX 132	\$86
DAB-SR00005245	702232	Impeller Kit, includes Diffuser, O-ring, Key, Impeller Nut, Spacer	DAB-151	\$158
DAB-SR00005254	702240	Impeller Kit, includes 2 Impellers, Diffuser, O-ring, Key, Impeller Nut & Spacer	DAB-251	\$158
DAB-SR00005207	702213	Impeller Kit, includes Impeller, Diffuser, O-ring, Key	DAB-200	\$109
DAB-SR00005231	702223	Impeller Kit, includes Diffuser, O-ring, Key, Impeller Nut	DAB-300	\$109
DAB-SR00005309	702261	Self Priming Flange	DAB-EUROINOX all models	\$47
DAB-SR00008764	702705	Single Stage Kit (each) Includes 1 Impeller, 1 Diffuser	DAB-EUROINOX30/50 x 3 off DAB-EUROINOX40/50 x 4 off DAB-EUROINOX50/50 x 5 off	\$59
DAB-SR00005337	702270	Single Stage Kit (each) Includes 1 Impeller, 1 Diffuser	DAB-EUROINOX30/80 x 4 off DAB-EUROINOX40/80 x 5 off	\$59
DAB-SP00000158	802349	Complete Hydraulic Kit	DAB-ESYBOX	\$179
DAB-SP00002192	804948	Complete Hydraulic Kit	DAB-ESYBOXMINI	\$167
DAB-SR00008632	702697	Impeller	DAB NOVA 180 N4	\$47
DAB-SP60117222	803303	Impeller	DAB NOVA 180 N5	\$30
DAB-SP60117221	800435	Impeller Impeller	DAB NOVA 200 N6 DAB NOVA 300 N6	\$30
DAB-SR00008600	702688	Impeller Impeller	DAB NOVA 600 N6 DAB FEKA 600 N6	\$53
DAB-SP60150467	800433	Impeller Impeller	DAB NOVA 600 N5 DAB FEKA 600 N5	\$30
DAB-SR00008632	702697	Impeller	DAB NOVA 180 N4	\$47
DAB-SP60117222	803303	Impeller	DAB NOVA 180 N5	\$30
DAB-SR00008607	702691	Impeller Impeller	DAB NOVA 200 N5 DAB NOVA 300 N5	\$47
DAB-SP60117221	800435	Impeller Impeller	DAB NOVA 200 N6 DAB NOVA 300 N6	\$30
DAB-SR00008600	702688	Impeller Impeller	DAB NOVA 600 N6 DAB FEKA 600 N6	\$53
DAB-SP60150467	800433	Impeller Impeller	DAB NOVA 600 N5 DAB FEKA 600 N5	\$30

DAB SPARE PARTS

Capacitors



Part Number	Item Code	CAP uF	Models to suit	List
DAB-SR00008871	702079	12.5	DAB JET/JINOX/JETCOM 62M	\$62
			DAB JET/JINOX/JETCOM 82M	
			DAB-EUROINOX 30/30M	
			DAB-EUROINOX 30/50M	
DAB-SR00005113	702164	16	DAB JET/JINOX/JETCOM 102M	\$53
DAB-SR00010362	702181	25	DAB JET/JINOX/JETCOM 112M	\$57
			DAB JET/JINOX/JETCOM 132M	
			DAB-EUROINOX40/50M	
			DAB-EUROINOX50/50M	
			DAB-EUROINOX40/80M	
			DAB K30/70M	
			DAB K12/200M	
DAB-SR00005206	702212	31.5	DAB JET 151M N3	\$57
			DAB JET 200M	
			DAB K14/400M	
			DAB K30/100M	
			DAB K45/50M	
			KVCX45-80 N2	
DAB-SR00010261	702718	31.5	KVCX45-80 N3, N4	\$122
DAB-SR00005230	702222	40	DAB JET 251M	\$57
			DAB JET 300M	
			DAB K36/100M	
			DAB K55/50M	
DAB-SR00004812	702136	10	DAB EUROINOX 25/30M	\$57
			DAB KP60/6M	
			DAB K20/41M	
DAB-SR00004663	702124	8	DAB KPF30/16M	\$57
DAB-SR00005456	702326	8	DAB KPS30/16M N1	\$57
DAB-SR00004140	702099	20	DAB KP60/12M	\$57
DAB-SR00010175	804939	40	KVCX45-120 N3, N4, N5, N6	\$60
DAB-SR00004544	702117	20	DAB K35/40M	\$57
DAB-SR00005162	702193	14	KVCX30-50N2 0.55KW	\$57
DAB-SR00010213				
DAB-SR00008724	702702	5	DAB NOVA 180 N4	\$57
DAB-SP60119028	804946	7	DAB NOVA 180 N5	\$57
DAB-SR00008732	702703	8	DAB NOVA 200 N5	\$57
			DAB NOVA 300 N5	
DAB-SP60114545	804940	8	DAB NOVA 200 N6	\$57
			DAB NOVA 300 N6	
DAB-SR00008736	702704	14	DAB NOVA 600 N5	\$57
			DAB FEKA 600 N5	

DAB SPARE PARTS

Bearings



Part Number	Item Code	List	Models to suit	Part Number	Item Code	List
FRONT BEARING				REAR BEARING		
DAB-SR00005111	702162	\$57	DAB-100	DAB-SR00005112	702163	\$57
			DAB-K12-200			
			DAB-K30-70			
			DAB-JET/JETCOM/JETINOX102			
			DAB-JET/JETINOX112			
			DAB-JET/JETINOX132			
			DAB-EUROINOX40/50			
			DAB-EUROINOX40/80			
DAB-SR00005112	702163	\$57	DAB-61			
			DAB-81			
DAB-SR00005129	702175	\$57	DAB-JET/JETCOM/JETINOX62			
			DAB-JET/JETCOM/JETINOX82			
			DAB-K20-41			
			DAB-EUROINOX30/30			
			DAB-EUROINOX30/50			
DAB-SR00005244	702231	\$57	DAB-151	DAB-SR00005205	702211	\$57
			DAB-251			
			DAB-K14-400			
			DAB-K30-100			
			DAB-K35-100			
			DAB-K36-100			
			DAB-K40-100			
			DAB-K45-50			
			DAB-K55-50			
DAB-SR00005258	702244	\$65	DAB-200			
			DAB-300			
DAB-SR00005546	702384	\$80	DAB-K11-500	DAB-SR00005547	702385	\$57
			DAB-K18-500			
			DAB-K28-500			
			DAB-K40-200			
			DAB-K55-100			
			DAB-K55-200			
			DAB-K66-100			
			DAB-K90-100			
DAB-SR00004959	702146	\$166	DAB-K20-1200	DAB-SR00004960	702147	\$166
			DAB-K30-800			
			DAB-K40-400			
			DAB-K40-800			
			DAB-K50-400			
			DAB-K50-800			

DAB SPARE PARTS

O Rings



Part Number	Item Code	Models to suit	List
DAB-SR00005202	702209	DAB-200	\$57
		DAB-300	
DAB-SR00005242	702229	DAB-151	\$57
		DAB-251	
DAB-SR00005306	804945	DAB-EUROINOX	\$57
DAB-SR00005393	702302	DAB-K40-100	\$57
DAB-SR00005496	804949	DAB-K12-200	\$57
		DAB-K20-41	
DAB-SR00005509	702358	DAB-100	\$57
		DAB-K30-100	
		DAB-K30-70	
		DAB-K36-100	
		DAB-61	
		DAB-81	
DAB-SR00005560	702393	DAB-K14-400	\$57
DAB-SR00005622	702424	DAB-K45-50	\$57
DAB-SR00005632	804950	DAB-K35-100	\$57
DAB-SR00005636	702430	DAB-K55-50	\$57
DAB-SR00004187/8832	702109	DAB-JET/JETCOM/JETINOX62	\$57
		DAB-JET/JETCOM/JETINOX82	
		DAB-JET/JETCOM/JETINOX102	
		DAB-JET/JETINOX112	
		DAB-JET/JETINOX132	
DAB-SR00005569	702399	DAB-K11-500	\$57
		DAB-K18-500	
		DAB-K28-500	
DAB-SR00004894	702141	DAB-K40-200	\$57
		DAB-K55-200	
DAB-SR00005649	702436	DAB-K55-100	\$57
		DAB-K66-100	
		DAB-K90-100	
DAB-SR00005604	804944	DAB-K20-1200	\$57
DAB-SR00005581	702405	DAB-K30-800	\$57
		DAB-K40-400	
		DAB-K40-800	
		DAB-K50-400	
		DAB-K50-800	
DAB-SSP00002081	804951	DAB-ESYBOX	\$130
DAB-SSP00002239	804952	DAB-ESYBOXMINI	\$128

BIANCO SPARE PARTS

Mechanical Seals



Part Number	Item Code	Models	List
BIA-INOX60-31	700702	BIA-INOX60PC	\$34
		BIA-INOX80PC	
		BIA-INOX120PC	
BIA-B120GS2-34	803088	BIA-B120GS2	\$107
BIA-TECHG60-14	804006	BIA-TECHG60	\$46
		BIA-INOXG60	
		BIA-INOX45S2	
		BIA-PTF37	
		BIA-PTF60	
BIA-INOX60S2-13	804053	BIA-INOX60S2	\$60
		BIA-INOX90S2	
		BIA-FERRO60	
BIA-HP15ABS-11	804546	BIA-HP15ABS	\$47
		BIA-2HP15ABS	
BIA-WP10-16	804572	BIA-WP10	\$39
BIA-WP15A-8	804621	BIA-WP15A	\$39
BIA-WP20ABS-7	804800	BIA-WP20ABS	\$47
		BIA-WP30ABS	
BIA-BLC70-55S2-10	805134	BIA-BLC70-55S2	\$63
		BIA-BLC120-110S2	
		BIA-BLC210-220S2	
		BIA-BLC210-75S2	
BIA-AHS05A-31	805698	BIA-AHS05A	\$6
BIA-AHS10A-31	805699	BIA-AHS10A	\$6
BIA-B18VAS2-37	805717	BIA-B18VAS2	\$7
BIA-B25VAS2-37	805718	BIA-B25VAS2	\$7
BIA-B45VAS2-37	805719	BIA-B45VAS2	\$6
BIA-B75VAS2-37	805720	BIA-B75VAS2	\$8
BIA-FC300T-9	805946	BIA-FC300T	\$60
BIA-FC60-10	805947	BIA-FC60M	\$60
		BIA-FC75M	
BIA-FERRO110H-17	805948	BIA-FERRO110	\$60
		BIA-IFERRO110HM	
		BIA-FC150M	
		BIA-FCT150M	
BIA-FC550T-10	805959	BIA-FC550T	\$60
		BIA-FC750T	
BIA-B42AC SEAL KIT	805683	BIA-B42AC	\$32

BIANCO SPARE PARTS

Jet & Venturi



Part Number	Item	Models	List
BIA-INOX60-351	700706	BIA-INOX60PC	\$12
		BIA-INOX80PC	
BIA-INOX60S2-6	804060	BIA-INOX60S2	\$20
BIA-INOX90S2-6	804106	BIA-INOX90S2	\$30
BIA-INOX45S2-7	805932	BIA-TECHG60	\$20
		BIA-INOXG60	
		BIA-INOX45S2	
BIA-FERRO60M-7	805990	BIA-FERRO60	\$25
BIA-FERRO110M-9 VENTURI	805974	BIA-FERRO110	\$30
BIA-FERRO110M-7 NOZZLE	805991		\$3
BIA-FERRO110M-9 VENTURI	805974	BIA-IFERRO110HM	\$30
BIA-FERRO110H-9 NOZZLE	805981		\$4

Diffuser

Part Number	Item Code	Models	List
BIA-INOX60-33	700704	BIA-INOX60PC	\$18
		BIA-INOX80PC	
		BIA-INOX120PC	
BIA-INOX60S2-7	804059	BIA-INOX60S2	\$34
		BIA-INOX90S2	
BIA-WP10-19	804575	BIA-WP10	\$77
BIA-WP15A-11	804603	BIA-WP15A	\$77
BIA-WP20ABS-11	804625	BIA-WP20ABS	\$151
BIA-WP30ABS-11	804649	BIA-WP30ABS	\$151
BIA-INOX45S2-9	805933	BIA-TECHG60	\$20
		BIA-INOXG60	
		BIA-INOX45S2	
BIA-FERRO60-9	805975	BIA-FERRO60	\$34
BIA-BLC120-110S2-5	805977	BIA-BLC70-55S2	\$98
		BIA-BLC120-110S2	
BIA-BLC210-220S2-5	805978	BIA-BLC210-220S2	\$98
		BIA-BLC210-75S2	
BIA-FERRO110H-15	805980	BIA-FERRO110	\$34
		BIA-IFERRO110HM	
BIA-2HP15ABS-14 DIFFUSER B	804538	BIA-2HP15ABS	\$116

BIANCO SPARE PARTS

Impellers



Part Number	Item Code	Models to suit	List
BIA-INOX60-32	700703	BIA-INOX60PC	\$16
BIA-INOX80-32	700727	BIA-INOX80PC	\$16
BIA-INOXG60-16	803941	BIA-TECHG60	\$34
		BIA-INOXG60	
BIA-INOX45S2-13	805982	BIA-INOX45S2	\$25
BIA-INOX60S2-11	804055	BIA-INOX60S2	\$46
BIA-INOX90S2-11	804101	BIA-INOX90S2	\$46
BIA-B42ACIMPKIT IMPELLER KIT	805682	BIA-B42AC	\$76
BIA-B120GS2-26	803096	BIA-B120GS2	\$114
BIA-AHS05A-41	805693	BIA-AHS05A	\$17
BIA-AHS10A-41	805694	BIA-AHS10A	\$17
BIA-B18VAS2-43	805712	BIA-B18VAS2	\$4
BIA-B25VAS2-43	805713	BIA-B25VAS2	\$4
BIA-B45VAS2-45	805714	BIA-B45VAS2	\$13
BIA-WP10-18	804574	BIA-WP10	\$39
BIA-WP15A-10	804602	BIA-WP15A	\$39
BIA-WP20ABS-10	804624	BIA-WP20ABS	\$116
BIA-WP30ABS-10	804648	BIA-WP30ABS	\$118
BIA-HP15ABS-14	804548	BIA-HP15ABS	\$118
BIA-2HP15ABS-15 IMPELLER A	804539	BIA-2HP15ABS	\$118
BIA-2HP15ABS-13 IMPELLER B	804537		\$118
BIA-BLC70-055S2-8	805135	BIA-BLC70-55S2	\$88
BIA-BLC120-110S2-8	805136	BIA-BLC120-110S2	\$98
BIA-BLC210-220S2-8	805137	BIA-BLC210-220S2	\$99
BIA-BLC210-75S2-8	805138	BIA-BLC210-75S2	\$81
BIA-PTF37-4	805950	BIA-PTF37	\$46
BIA-PTF60-4	805976	BIA-PTF60	\$34
BIA-FERRO60M-13	805949	BIA-FERRO60	\$59
BIA-FERRO110M-15	805969	BIA-FERRO110	\$80
		BIA-IFERRO110HM	
BIA-FC60M-8	805739	BIA-FC60M	\$75
BIA-FC75M-8	805979	BIA-FC75M	\$75
BIA-FC150M-8	805970	BIA-FC150M	\$76
BIA-FC300T-8	805965	BIA-FC300T	\$351
BIA-FC550T-9	805966	BIA-FC550T	\$422
BIA-FC750T-9	805958	BIA-FC750T	\$425
BIA-FCT150M-13 IMPELLER A	805972	BIA-FCT150M	\$100
BIA-FCT150M-15 IMPELLER B	805971		\$100

BIANCO SPARE PARTS

Capacitors



Part Number	Item Code	Models to suit	List
BIA-B120GS2-5	803117	BIA-B120GS2	\$13
BIA-TECHG60-49	803971	BIA-TECHG60	\$34
		BIA-INOXG60	
BIA-INOX60S2-23	804043	BIA-INOX60S2	\$38
		BIA-FERRO60	
BIA-INOX90S2-23	804089	BIA-INOX90S2	\$38
BIA-FCT150M-42	805460	BIA-FCT150M	\$61
BIA-B42AC-15	805685	BIA-B42AC	\$13
BIA-AHS05A-18	805702	BIA-AHS05A	\$12
BIA-AHS10A-18	805703	BIA-AHS10A	\$17
BIA-B18VAS2-14	805730	BIA-B18VAS2	\$8
BIA-B25VAS2-14	805731	BIA-B25VAS2	\$12
BIA-B45VAS2-19	805732	BIA-B45VAS2	\$14
BIA-B75VAS2-19	805733	BIA-B75VAS2	\$18
BIA-INOX45S2-25	805936	BIA-INOX45S2	\$34
BIA-BLC70-055S2-44	805960	BIA-BLC70-55S2	\$38
		BIA-PTF60MPCX	
		BIA-FC60M	
BIA-PTF37-28	805961	BIA-PTF37	\$38
BIA-FC75M-43	805962	BIA-FC75M	\$38
BIA-BLC120-110S2-45	805963	BIA-BLC120-110S2	\$38
		BIA-FERRO110	
		BIA-IFERRO110HM	
BIA-FC150M-42	805967	BIA-FC150M	\$38

BIANCO SPARE PARTS

Drive End Bearing



Part Number	Item Code	Models to suit	List
BIA-B120GS2-35	803087	BIA-B120GS2	\$13
BIA-INOXG60-28	803929	BIA-TECHG60	\$22
		BIA-INOXG60	
BIA-INOX60S2-18	804048	BIA-INOX60S2	\$25
		BIA-INOX90S2	
BIA-AHS05A-28	805700	BIA-AHS05A	\$6
		BIA-AHS10A	
		BIA-B45VAS2	
BIA-B18VAS2-32	805723	BIA-B18VAS2	\$4
		BIA-B25VAS2	
BIA-B75VAS2-33	805725	BIA-B75VAS2	\$7
BIA-INOX45S2-21	805935	BIA-INOX45S2	\$20
BIA-PTF37-13	805938	BIA-PTF37	\$22
BIA-BLC70-055S2-25	805939	BIA-BLC70-55S2	\$22
BIA-FC60-26	805940	BIA-PTF60	\$22
BIA-BLC120-110S2-26	805941	BIA-BLC120-110S2	\$22
		BIA-BLC210-220S2	
		BIA-BLC210-75S2	
BIA-FERRO110HM-30	805942	BIA-FERRO110	\$22
		BIA-IFERRO110HM	
		BIA-FC150M	
		BIA-FCT150M	
BIA-FC60M-30	805945	BIA-FERRO60	\$25
		BIA-FC60M	
		BIA-FC75M	
BIA-FC300T-17	805955	BIA-FC300T	\$80
BIA-FC550T-17	805964	BIA-FC550T	\$63
BIA-FC750T-17	805973	BIA-FC750T	\$63
BIA-B42AC BEARING KIT	805684	BIA-B42AC	\$13

BIANCO SPARE PARTS

Non Drive End Bearing



Part Number	Item Code	Models to suit	List
BIA-B120GS2-13	803109	BIA-B120GS2	\$13
BIA-INOXG60-28	803929	BIA-TECHG60	\$22
		BIA-INOXG60	
BIA-INOX60S2-21	804045	BIA-INOX60S2	\$22
		BIA-INOX90S2	
BIA-AHS05A-26	805701	BIA-AHS05A	\$6
		BIA-AHS10A	
		BIA-B45VAS2	
BIA-B18VAS2-30	805724	BIA-B18VAS2	\$6
		BIA-B25VAS2	
BIA-B75VAS2-31	805726	BIA-B75VAS2	\$6
BIA-INOX45S2-21	805935	BIA-INOX45S2	\$20
BIA-PTF37-13	805938	BIA-PTF37	\$22
BIA-BLC70-055S2-25	805939	BIA-BLC70-55S2	\$22
BIA-FC60M-26	805940	BIA-PTF60	\$22
		BIA-FERRO60	
		BIA-FC60M	
		BIA-FC75M	
BIA-BLC120-110S2-26	805941	BIA-BLC120-110S2	\$22
		BIA-BLC210-220S2	
		BIA-BLC210-75S2	
BIA-FERRO110HM-30	805942	BIA-FERRO110	\$22
		BIA-IFERRO110HM	
		BIA-FC150M	
		BIA-FCT150M	
BIA-FC300T-19	805943	BIA-FC300T	\$41
BIA-FC550T-19	805944	BIA-FC550T	\$30
BIA-FC750T-19	805956	BIA-FC750T	\$30

BIANCO SPARE PARTS



O Rings

Part Number	Item Code	Models to suit	List
BIA-INOX60-29	700699	BIA-INOX60PC	\$8
		BIA-INOX80PC	
		BIA-INOX120PC	
		BIA-TECHG60	
		BIA-INOXG60	
BIA-INOX60S2-12	804054	BIA-INOX60S2	\$14
		BIA-INOX90S2	
BIA-HP15ABS-10	804545	BIA-HP15ABS	\$6
		BIA-2HP15ABS	
BIA-WP10-15	804571	BIA-WP10	\$2
BIA-WP15A-7	804620	BIA-WP15A	\$2
BIA-WP20ABS-8	804646	BIA-WP20ABS	\$2
BIA-WP30ABS-8	804662	BIA-WP30ABS	\$2
BIA-FC60M-9	805740	BIA-FERRO60	\$14
		BIA-FC60M	
		BIA-FC75M	
BIA-FERRO110HM-16	805741	BIA-FERRO110	\$14
		BIA-IFERRO110HM	
		BIA-FC150M	
BIA-PTF37-8	805742	BIA-PTF37	\$2
BIA-PTF60-8	805743	BIA-PTF60	\$2
BIA-INOX45S2-15	805934	BIA-INOX45S2	\$14
BIA-FCT150M-9	805937	BIA-FCT150M	\$14
BIA-FC300T-10	805951	BIA-FC300T	\$14
BIA-FC550T-11	805957	BIA-FC550T	\$14
		BIA-FC750T	
BIA-BLC120-110S2-9	805968	BIA-BLC70-55S2	\$14
		BIA-BLC120-110S2	
		BIA-BLC210-220S2	
		BIA-BLC210-75S2	
BIA-AHS05A-17	O RING KIT 1 X 805704	BIA-AHS05A	\$3
BIA-AHS05A-32	O RING KIT 1 X 805696		\$1
BIA-AHS05A-17	O RING KIT 1 X 805704	BIA-AHS10A	\$3
BIA-AHS10A-32	O RING KIT 1 X 805697		\$1
BIA-B18VAS2-15	O RING KIT 1 X 805727	BIA-B18VAS2	\$1
BIA-B18VAS2-33	O RING KIT 1 X 805721		\$1
BIA-B25VAS2-15	O RING KIT 1 X 805728	BIA-B25VAS2	\$1
BIA-B25VAS2-33	O RING KIT 1 X 805722		\$1
BIA-B45VAS2-21	O RING KIT 1 X 805734	BIA-B45VAS2	\$2
BIA-B45VAS2-28	O RING KIT 4 X 805729		\$2
BIA-B45VAS2-38	O RING KIT 1 X 806002		\$6
BIA-B75VAS2-21	O RING KIT 1 X 805735	BIA-B75VAS2	\$2
BIA-B45VAS2-28	O RING KIT 4 X 805729		\$2
BIA-B75VAS2-38	O RING KIT 1 X 806003		\$6
BIA-B120GS2-9	O RING KIT 2 X 803113	BIA-B120GS2	\$3
BIA-B120GS2-10	O RING KIT 2 X 803112		\$3

1. REQUIREMENT

- | | |
|--|--|
| <input type="checkbox"/> Household supply | <input type="checkbox"/> Garden sprinkler(s) |
| <input type="checkbox"/> Tank filling / Transfer / Troughs | <input type="checkbox"/> Irrigation |

2. WATER SOURCE

- | | | |
|--|--|---|
| <input type="checkbox"/> Dam | <input type="checkbox"/> River | <input type="checkbox"/> Shallow well |
| <input type="checkbox"/> Tricklefeed | <input type="checkbox"/> Above ground tank | <input type="checkbox"/> In ground tank |
| <input type="checkbox"/> Town mains (if pump being used to boost pressure) | | |

3. POWER SUPPLY

- | | | |
|-------------------------------------|------------------------------------|---|
| <input type="checkbox"/> 240V Mains | <input type="checkbox"/> Generator | <input type="checkbox"/> Off grid / Solar |
|-------------------------------------|------------------------------------|---|

4. APPLICATION (SEE DIAGRAM)

SUCTION PIPE (FROM WATER SUPPLY TO PUMP)

A) Height from water to pump (vertical) _____ metres

(allow for drops in water level if below pump)

B) Pipe length (horizontal) _____ metres.

Type of pipe _____

Diameter of pipe _____ mm

My water supply is above ☐ or below ☐ pump inlet

DELIVERY PIPE (FROM THE PUMP TO THE APPLICATION)

C) Pipe length (horizontal) _____ metres

Type of pipe _____

Diameter of pipe _____ mm

My application is 1 ☐ 2 ☐ 3 ☐ levels high

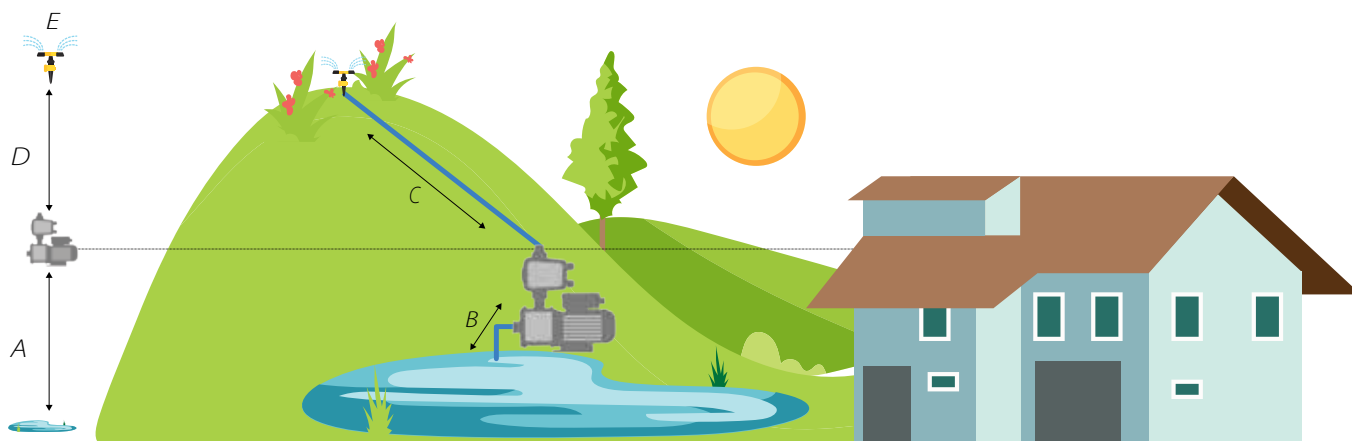
D) Height of pipe to discharge _____ metres

E) Demand pressure ☐ Low ☐ Normal ☐ High

F) Use ☐ Batch / Cottage / Single dwelling

☐ Small house ☐ Medium House ☐ Large house

☐ Large house with some light irrigation



Average Water Requirements

1/2" Tap (full flow)	12 to 15 lpm @ 20psi (140kPa)
Shower	15 lpm @ 20psi (140kPa)
Lawn (Sprinkler)	15 lpm @ 20psi (140kPa)
3/4" Hose & 1/4" Nozzle	40 lpm @ 30psi (210kPa)
1" Hose & 3/8 Nozzle	75lpm @30psi (210kPa)

Please note that these are average water requirements and may vary according to specific applications.

Suction Lift

Suction lift refers to the partial vacuum that pumps create into which atmospheric pressure pushes water via the suction pipework. A maximum suction lift of 6.7 metres at sea level is common but this can be affected by the following.

What affects suction lift?

- Friction loss reduced the vertical lift possible
- Altitude, as this increased the atmospheric pressure decreases and less push is exerted on the water entering the pump suction
- Pump suction performance, a better performing pump with a higher flow rate will mean less partial vacuum is created
- Water temperature, suction lift can be reduced due to higher water temperature as it is more likely to boil when exposed to a partial vacuum

A guide to suction

Elevation	Max. Practical Suction Lift	Absolute Atmospheric Pressure (cold water)
Sea Level	6.7m	10.35m
500m	6.1m	9.75m
750m	5.8m	9.46m
1,000m	5.5m	9.19m
1,500m	5.0m	8.64m
2,000m	4.5m	8.13m

Water Temp °C	Suction Lift Reduction- metres
15°	0
20°	0.06
30°	0.22
40°	0.52
50°	0.98
60°	1.73
70°	2.85
80°	4.51

Calculating Suction Lift	
$H_s = P_a - NPSHR - P_{vap} - \text{Safety}$	
Hs	Maximum suction lift including friction loss in suction pipe
Pa	Absolute atmospheric pressure at site
NPSHR	NPSH required by pump at specific flow rate
Pvap	Vapour pressure of liquid with specific temperature
Safety	Allow at least 1m safety factor

Calculating Pump Power

Water Power (kW) = Flow (lpm) x Head (m) / 6122.4

Pump Power (P2, kW) = Water Power / Pump Efficiency %

Input Power (P1, kW) = Pump Power / Motor Efficiency %

Conversion Information

Flow Conversion

			Imperial	
lpm	lps	m3/hr	gpm	gph
7.6	0.13	0.45	1.7	100
10.0	0.17	0.60	2.2	132
16.7	0.28	1	3.7	220
45.5	0.76	2.73	10	601
60.0	1	3.60	13.2	793
75.7	1.26	4.54	16.7	1000
83.3	1.39	5.00	18.3	1101

Pressure/Head Conversion

Metres	kPa	Bar	Feet Head	psi
1	9.81	0.10	3.28	1.42
10.0	98.1	0.98	32.8	14.2
10.2	100	1	33.4	14.5
15.2	149.5	1.5	50.0	21.6
30.5	299.0	3.0	100	43.3
35.2	354.4	3.5	115.5	50.0
70.4	690.8	6.9	231.0	100
101.9	999.6	10.0	334.2	144.7

Volume Conversion

Litres	Cubic Metres	Imp. Gals	US Gals	Cubic Feet
1	0.001	0.22	0.264	0.0353
1000	1	220	264	35.3
4.546	0.0045	1	1.2	0.1605
3.785	0.0038	0.833	1	0.1337
28.32	0.0283	6.23	7.48	1

Length Conversion

Inch	Foot	Yard	Metres
1	0.08	0.028	0.025
12.0	1	0.33	0.305
36	3.00	1	0.91
39.4	3.28	1.09	1

Friction

Pipe friction refers to the resistance to flow caused by the pipe. Generally it is better to use the largest practical pipe size to avoid losses in pump performance.

Friction Loss Guide - See tables on next page

Friction Loss for Poly Pipe - 20mm to 63mm (m/ 100 metres of pipe)																														
Flow In		Medium Density Polythene Pipe																												
L/ min	Gals Hr	Rural Class B Pipe					PE80/PN8						PE80/PN10						PE80/PN12.5						PE80/PN16					
		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	132	2.7	0.7	0.2	0.1	-	3.9	1.1	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	264	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	396	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	528		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	660		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	792		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	1056		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	1320			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	1584				9.3	2.3					3.8	1.3					4.8	1.5					5.8	1.9					7.4	2.4
140	1848				12.3	3.0					5.1	1.7					6.4	2.0					7.7	2.5					9.8	3.2
160	2112					3.9					6.5	2.2					8.1	2.6					9.8	3.2					12.6	4.2
180	2376					4.8						2.7						3.3						3.9						5.2
200	2639					5.9						3.3						4.0						4.8						6.3
220	2904					7.0						3.9						4.7						5.7						7.5
240	3168					8.2						4.6						5.6						6.7						8.8
250	3300					8.9						5.0						6.0						7.2						9.5

Friction Loss for Poly Pipe (m/ 100 metres of pipe)																		
Flow Rate			25mm O.D.		32mm O.D.		40mm O.D.		50mm O.D.		63mm O.D.		75mm O.D.		90mm O.D.		110mm O.D.	
lps	lpm	M3/hr	PN 6.3	PN 12.5	PN 6.3	PN 12.5	PN 6.3	PN 12.5	PN 6.3	PN 12.5	PN 6.3	PN 12.5	PN 6.3	PN 12.5	PN 6.3	PN 12.5	PN 6.3	PN 12.5
0.2	12	0.72	2.12	2.97	0.56	0.90	0.02	0.32										
0.5	30	1.80	10.53	14.83	2.78	4.45	0.86	1.58	0.27	0.55								
0.8	48	2.88	24.24	34.17	6.37	10.20	1.97	3.62	0.61	1.25								
1.0	60	3.60			9.46	15.17	2.92	5.38	0.91	1.85	0.33	0.61	0.14	0.26				
1.6	96	5.76			21.88		6.73	12.41	2.08	4.25	0.75	1.13	0.33	0.49				
2.0	120	7.20					10.02	18.50	3.10	6.33	1.11	2.07	0.48	0.89	0.20	0.37		
3.0	180	10.80							6.39	13.07	2.29	4.27	0.99	1.83	0.42	0.76	0.16	0.29
4.0	240	14.40							10.70		3.82	7.15	1.65	3.05	0.69	1.27	0.27	0.49
5.0	300	18.0									5.70		2.46	4.55	1.03	1.89	0.40	0.72
6.0	360	21.6									7.92		3.42	6.32	1.43	2.63	0.55	1.00
7.0	420	25.2											4.51		1.88	3.46	0.72	1.32
9.0	540	32.4											7.09		2.96	5.45	1.14	2.07
10.0	600	36.0													3.58	6.59	1.37	2.50
15.0	900	54.0															2.85	5.20
20.0	1200	72.0															4.80	

Friction Loss for PVC Pipe (m/ 100 metres of pipe)																
Flow Rate			25mm		32mm		40mm		50mm		80mm		100mm		150mm	
lps	lpm	M3/hr	PN 9	PN 12	PN 9	PN 12	PN 9	PN 12	PN 9	PN 12	PN 9	PN 12	PN 9	PN 12	PN 9	PN 12
0.2	12	0.72	0.43	0.49	0.14	0.16	0.08	0.42								
0.5	30	1.80	2.15	2.40	0.70	0.80	0.37	0.97	0.13	0.14						
0.8	48	2.88	4.91	5.50	1.61	1.82	0.84	1.43	0.29	0.33						
1.0	60	3.60	7.29	8.16	2.38	2.70	1.24	3.30	0.42	0.48	0.07	0.08				
1.6	96	5.76	16.85	18.87	5.49	6.23	2.86	4.90	0.97	1.11	0.15	0.18				
2.0	120	7.20			8.17	9.27	4.25	10.12	1.42	1.65	0.23	0.26	0.07	0.05		
3.0	180	10.80					8.77	16.98	2.97	3.40	0.46	0.53	0.14	0.08		
4.0	240	14.40							4.98	5.68	0.77	0.89	0.23	0.16		
5.0	300	18.0							7.43	8.49	1.15	1.32	0.34	0.26		
6.0	360	21.6									1.60	1.83	0.48	0.39	0.09	0.11
7.0	420	25.2									2.11	2.42	0.63	0.55	0.12	0.14
8.0	480	28.8									2.68	3.07	0.80	0.72	0.16	0.18
9.0	540	32.4									3.31	3.80	0.98	0.91	0.19	0.22
10.0	600	36.0									4.00	4.59	1.19	1.13	0.23	0.27
15.0	900	54.0											2.47	1.36	0.48	0.55
20.0	1200	72.0													0.81	0.93

Friction Loss for Rubber Hose (m/ 100 metres of hose)							
Flow			Friction Loss (m/ 100 metres of hose)				
lps	lpm	M3/hr	20mm	25mm	32mm	40mm	50mm
0.2	12	0.72	4.29	1.14	0.37	0.15	
0.5	30	1.8	22.81	5.88	1.9	0.77	0.2
1	60	3.6		21.11	6.71	2.67	0.7
2	120	7.2			24.37	9.56	2.47
3	180	10.8				20.43	5.21
4	240	14.4				35.22	8.9
4.5	270	16.2					11.1

TERMS AND CONDITIONS

1. QUOTATION AND FORWARD ORDERS

- 1.1 No quotation given by the Company shall constitute or be deemed to constitute a binding offer and a valid contract shall only exist after the Company's written acceptance of an order (whether by issue of the Company's standard invoice/statement or otherwise). Such contract shall be subject to the conditions set out below.
- 1.2 Where goods have to be ordered from overseas the Company shall not be liable to the Purchaser for such an order unless and until the Manufacturer communicates its acceptance of such an order to the Company.
- 1.3 A quotation is valid for thirty (30) days only and the Company reserves the right to amend it if an error or omission has occurred.

2. DESCRIPTION OF GOODS

- 2.1 Weights and/or dimensions included in any catalogues, advertisements, illustrated matter and price lists are approximates only and details thereof shall not be binding unless and to the extent only that such details are specified in the contract.
- 2.2 Technical documents or drawings submitted to the Purchaser prior to a contract being entered into remain the property of the Company and shall not be copied reproduced or used by manufacturers or transmitted to a third party unless the prior written permission of the Company is obtained.
- 2.3 One copy of the technical data operator's handbook and spare parts list where applicable and subject to availability will be supplied by the Company to the Purchaser without charge at the time of delivery (or if unavailable, when available). Further copies shall be at the cost of the Purchaser.

3. WARRANTIES

- 3.1 Subject to the provisions of the contract all and any terms conditions and warranties or representations expressed or implied whether statutory or otherwise collateral or antecedent hereto or otherwise with respect to the merchantability quality condition fitness durability suitability of the goods ordered in any respect (except those expressly contained herein or incorporated herein by reference or otherwise expressly agreed to in writing by the Company) are to the extent that the same may be excluded, hereby expressly negated and excluded.
- 3.2 The Purchaser shall satisfy itself as to the condition quality and suitability of the goods and the fitness of the goods for the purpose(s) for which the goods are being purchased and as to its compliance with the description (if any) of such goods. Any description shall be by way of identification only and the use of such description shall not constitute this contract sale by description.
- 3.3 The Company shall not, after delivery of the goods to the Purchaser, be responsible or liable (in the absence of any wilful or negligent act or omission on the part of the Company) for any liability claim loss damage or expense of any kind or nature (including but not limited to loss of profits earnings or income direct indirect consequential contingent or resulting liability loss or damage whether to persons property or otherwise) or death or injury caused by or arising out of or relating in any manner or incidental to the goods or the possession or use thereof by the Purchaser or any third party or in relation to the condition storage supply non supply performance or non-performance inadequacy in or any defect or breakdown of any accident to the goods or any item there in or anything or service provided for or contemplated by or incidental to or arising out of the distribution sale promotion display or advertisement of the goods hereunder. The Purchaser shall and does hereby release and discharge the Company from any liability in respect of any action proceeding demand claim loss damage expense death injury aforesaid.
- 3.4 In circumstances where the Purchaser is a "consumer" as defined for the purposes of Division 1 in Part 3.2 of Schedule 2 to the Competition and Consumer Act 2010 (Cth) (the Australian Consumer Law) ("the Australian Consumer Law"), these conditions of sale shall not be read or applied so as to purport to exclude restrict or modify or have the effect of excluding restricting modifying the application of the consumer guarantees set out in the Australian Consumer Law. All other conditions or warranties which would or might otherwise be implied and are hereby expressly excluded and negated.
- 3.5 If the Purchaser is a "consumer" for the purposes of the Australian Consumer Law, then to the extent permitted under the Australian Consumer Law the Company's liability for a breach of the consumer guarantees set out in the Australian Consumer Law including any consequential loss which the Purchaser or any third party may sustain or incur shall be limited, at the option of the Company, to:
- (i) the replacement or repair of the goods concerned or the supply of equivalent goods; or
 - (ii) the payment of the cost of replacing or repairing the goods or of acquiring equivalent goods, whichever, may be determined in the absolute discretion of the Company to be appropriate in the circumstances. The Purchaser shall within thirty (30) days of the Purchaser first becoming aware of the facts giving rise to a claim under this provision make written claim to the Company setting out the full

particulars of such claim and deliver freight prepaid to the Company the subject good(s) so as to enable the Company to examine the same and satisfy itself as to the subject claim.

- 3.6 The Company warrants that in the event of any defect being discovered within any warranty period granted by the Manufacturer of the subject goods or any component part or parts thereof the Company will, provided that it is satisfied that the defect is due to an inherent defect of faulty material or bad workmanship, repair or replace the defective part of the goods (as the Company shall in its absolute discretion determine) without charge upon the defective goods being returned freight prepaid to the Company. Any claim under this warranty must be made to the Company in writing within thirty (30) days of the defect being discovered.
- 3.7 The benefits of any warranty herein contained shall not apply in the case of:
- (i) defect(s) due to misuse or neglect.
 - (ii) goods, which have been altered or added to or otherwise modified without the prior written consent of the Company.
 - (iii) goods repaired or serviced by any person other than the Company or its duly authorised representative.
 - (iv) goods used for purposes other than those for which they were designed as defined and/or specified in the Manufacturer's and /or the Company's catalogues, advertisements, operator's handbooks, and technical data.
- 3.8 If the goods are deemed to be non-warranty, the purchaser will be advised of a repair cost and has 14 days to respond. If after 14 days no response has been received the goods will be returned to the purchaser at their cost.

4. SELLING PRICE

- 4.1 The selling price dated on the Company's invoice to the Purchaser is based upon the Manufacturer's then current selling price to the Company, the then current freight rates, customs duty, landing clearing and storage charges, insurance and foreign exchange rates. Should there be any variation in any of these rates or charges or if there is any variation as a result of, or changes in, the laws or regulations for the time being in force (whether State or Commonwealth) at or before the goods are delivered to or collected by the Purchaser (as the case maybe) then, in such event, the Company reserves the right to vary the selling price, including the profit margin of the Company as shall be appropriate in the circumstances and the Purchaser agrees to pay any such varied selling price in lieu of the original selling price.

5. DELIVERY

- 5.1 Unless otherwise agreed the delivery period shall run from the latest of the following dates.
- (a) Acceptance of the order by the Company.
 - (b) The date upon which the Manufacturer receives notice of a Valid Import Licence.
 - (c) The date of receipt by the Company of any advance payment or Letters of Credit as may be stipulated in the contract.
 - (d) The date of receipt by the Manufacturer of a final order from the Company for the Manufacturer to commence manufacture of the subject goods.
 - (e) Standard pack quantities may apply.
 - (f) All deliveries must be signed for upon receipt
 - (g) All damaged goods must be identified upon receipt of the delivery, and the damage noted on the connote. Any damages must be reported to our Customer service team within 48 hours, and no claims will be accepted outside of our normal notification terms.

White International will not cover any damage or loss incurred after a delivery has been made to an on-forwarder, or a purchasers designated carrier. It is the purchasers responsibility to ensure that damages etc are reported by their carriers.

6. DELAY IN DELIVERY

- 6.1 No liability shall be attached to the Company for deliveries delayed, suspended, cancelled, part or short delivered due to an Act of God, war, riot, fire explosion, accident, flood, shortage, inability to obtain fuel, power, raw materials, labour, containers, or transportation facilities, government law, regulations, orders or action, breakage or failure of machinery or apparatus, national defence requirements or any other event beyond the reasonable control of the Company or in the event of labour trouble, strike, lockout or injunction (whether or not such labour event prevents the manufacture, shipment acceptance of a shipment of the goods or of material upon which the manufacturer of the goods is dependent).

Deliveries suspended under this Clause may at the option of the Company be cancelled without any liability attaching to the Company or completed within an extended period and in either case, the Company shall notify the Purchaser in writing accordingly.

7 TRANSPORT

- 7.1 Deliveries (with the exception of iSolar Array Kits and Zenit Industrial Submersible Pumps - refer 7.1 (i)),
- METRO and COUNTRY: FIS for all orders \$300.00 and over. Orders less than \$300, a \$30.00 processing fee applies.
- Western Australia - Country Orders: West Australian country orders will be supplied FIS to Perth, then shipped FOB to the destination.
- THIRD PARTY DELIVERIES: For third party deliveries, where a customer asks for the goods to be delivered to another location (e.g. to an end user), we will charge freight as per our freight matrix.
- (i) (i) All iSolar Array Kits will be charged a standard 5% Freight Flat Fee for deliveries into store. We do not offer Third Party Deliveries on Solar Array product direct to site/farm services.
- (ii) Zenit Industrial Submersible Pumps will incur freight charges as per cube and weight to all destinations.
- 7.2 All deliveries to other destinations will be charged to the Purchaser
- (i) the Purchaser may nominate its own freight provider (subject to clause 7.3)
- (ii) the Purchaser may nominate White International to deliver the goods at a cost, which is in accordance with a schedule of rates provided.
- 7.3 Priority delivery service is available. All costs will be charged to the Purchaser.
- 7.4 Cost associated with offloading, unpacking, positioning, and erections are not included in the Company's selling price and are the responsibility of the Purchaser who shall provide competent labour to effect these arrangements at their own expense. Delivery of goods in all other cases shall be at the cost of the Purchaser.

8 RISK AND TITLE

- 8.1 No general property or equitable interest in goods supplied by the Company to the Purchaser shall pass to the Purchaser until such time (hereinafter called "the specified time") as the price of the goods and all other moneys (if any) due from the Purchaser to the Company in respect of the goods or under any contract between the Company and the Purchaser shall have been paid to the Company in full.
- 8.2 Until the specified time the Purchaser shall be only a bailee of the goods for the Company and the Purchaser shall;
- (a) so hold the goods until the specified time as to enable them always readily to be identified as the property of the Company
- (b) upon written demand re-deliver the goods to the Company or allow the Company by its servants or agents to enter upon any premises where the goods are stored to recover the same.
- 8.3 The Purchaser is authorised before the specified time as agent for the Company to sell the goods for the account of the Company.
- 8.4 The goods shall be at the Purchaser's risk from the time of despatch from the Company's premises.
- 8.5 Where the seller holds any security interest in the goods, the Purchaser agrees to implement, maintain and comply in all material respects with procedures for the perfection of those security interests as provided by Personal Property Security Act 2009 (Cth).
- 8.6 The Purchaser must take all steps under Personal Property Security Act 2009 (Cth) to continuously perfect any such security interest, including all the steps necessary for the seller to obtain the highest ranking priority possible in respect of those security interests and to reduce as far as possible the risk of a third party acquiring and interest free of sellers security interests.

9 PAYMENT

- 9.1 For machines ex Australian stock – payment 14 days from date of despatch ex company warehouse. For pumps and goods excluding machines ex Australian stock – payment on or before the 30th day of the month following the month in which the goods are despatched by the Company to the Purchaser (unless otherwise specified in the Company's statement/invoice).
- 9.2 For goods to be imported against order – 50% deposit with order, balance by irrevocable letter of credit to be established at the time of order through our nominated bank account payable on demand against presentation of documents unless otherwise arranged.
- 9.3 There shall be no delay of payment after delivery of the goods ordered except in accordance with the quoted terms.

10 CANCELLATION

Request for cancellation of an order must be in writing. Any such cancellation shall be of no force or effect and shall not be binding on the Company unless and until such cancellation is accepted by the Company in writing. Cancellation of any order shall be at the sole and absolute discretion of the Company.

No request for cancellation by the Purchaser will be accepted by the Company where goods have been ordered from the Manufacturer by the Company against a firm order from the Purchaser.

11. SERVICE UNDER WARRANTY

- 11.1 The performance figures quoted by the Manufacturer and/or the Company do not and shall not be deemed to constitute a warranty by the Company and it is not warranted that such exact performance figures will be achieved.
- 11.2 Inspection of a machine and its performance may be carried out by arrangement, at the Purchaser's expense.
- 11.3 The Manufacturer's normal working tolerances shall be considered correct for the machines unless otherwise specifically agreed between the Purchaser and the Company, in writing.
- 11.4 The Company shall by mutual arrangements with the Purchaser provide technical data assistance during run-off or commissioning of the machines or pumps but this does not include routine loading during extended test periods. Any commissioning period, if applicable, shall be for the duration of one (1) working day unless otherwise agreed to in writing.
- 11.5 Service given free of charge during the Manufacturer's warranty period does not include work properly described as maintenance and repair preventative maintenance must be provided by the Purchaser as recommended by the Manufacturer in order to preserve and fulfil the terms of warranty.
- 11.6 Extended commissioning shall be subject to the Company's then current rate of charges.
- 11.7 Where new components are purchased locally or supplied by the Company in order to expedite warranty service the faulty components must be retained by or returned to the Company freight prepaid to enable the Company to support its claim on the Manufacturer.

12. RETURN OF GOODS

Except for faulty or defective items supplied by the Company, the Company does not accept returns.

Returns will not be accepted for change of mind purchases, goods that are no longer required, customer cancellations etc.

Should a purchaser wish to return goods, written approval must be sought and provided prior to any goods being returned. Any return is approved solely at the discretion of the Company and in addition to the below requirements:

- (i) The purchaser must notify the Company within 3 days of the receipt of the goods of its desire to return the goods, clearly outlining the reason for the request.
- (ii) The goods are to be returned to the Company's head office warehouse at the purchaser's expense.
- (iii) The purchaser accepts all risk / responsibility for the return of the goods to the Company, and the for the condition in which the goods will be returned.
- (iv) The goods must be returned as new. In an unused condition, in the original undamaged packaging. Any goods returned in a used, unsaleable condition will be rejected, and returned to the purchaser at their cost. Any repackaging required will incur an additional \$25 repacking fee to cover labour, packaging materials etc.
- (v) All returned goods are subject to a restocking fee of the greater of \$45 or 20% of the invoice value of the goods.
- (vi) Returns or cancellations of Special Order Only / Non-Stocked Items will not be accepted. All purchases of these items are final and non-returnable.

13. DEFINITIONS

In this agreement unless the context requires otherwise the following expressions shall have the following meanings respectively;

- (i) "Distributor" means the authorised distributor of the Company
- (ii) "Purchaser" means and includes the Distributor (where the context so admits) and the original retail purchaser of the goods (and whether purchased from the Distributor or from the Company direct).
- (iii) "Goods" means any goods purchased from the Company.
- (iv) "Contract" means all those documents comprising the agreed terms of sale of goods by the Company to the Purchaser including but not limited to purchase order, invoices, the Company's General Terms and Conditions of Sale and such other written material of the Manufacturer and/or the Company relating to the goods and which is issued to or brought to the notice of the Purchaser and any writing of the Purchaser issued to the Company or its Distributor and accepted by the Company as constituting a term or condition of the contract.
- (v) "Manufacturer" means the manufacturer of goods sold by the Company.
- (vi) "The Company" shall mean and include White International Pty Limited and any other related or associated companies.

14. PERSONAL INFORMATION

Please refer to our website <https://www.whiteint.com.au/privacy-policy> to view our privacy policy.

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Scan QR Code on your
smart phone or iPad to
save a digital version.



**Please always refer to our website for further
technical information & new product innovations**

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