



core
products
2024

CORE PRODUCTS



The ESYBOX MINI 3 is a compact automatic pressurization system designed by DAB for supplying water to a single residence. It ensures a steady water pressure inside the house, and it can be adjusted to your desired pressure between 15 and 80 pounds per square inch (psi).

This system uses advanced VFD technology that helps save energy. You can use it with drinking water and all your household needs, it can even be used for gardening.

The best part is that you don't need any extra parts to install it. It includes a powerful pump, smart electronics, pressure and flow sensors, a clear LCD display, a built-in expansion tank, and a check valve. You can install it vertically or horizontally and its compact size makes it suitable for tight spaces where air circulation may be limited.

In summary, the ESYBOX MINI 3 offers a convenient and efficient solution for maintaining water pressure in a single residence. It ensures comfort, energy savings, while still being easy to install.

Operating range

capacity up to 21.1 GPM; head up to 180 ft

Liquid quality requirements clean, free from solid or abrasive contaminants, non-viscous, non-aggressive, uncrystallized and chemically neutral.

Liquid temperature range from 32°F to +104°F

Maximum suction depth 26 ft

Maximum ambient temperature +122°F

Maximum operating pressure 109 psi

Insulation class F

Installation horizontal or vertical fixed position

Special versions on request

alternative types of electrical plug

Certification

Approved to NSF61, 372, UL and CSA standards

esybox mini³

TECHNICAL DATA

MODEL	CODE
ESYBOX MINI 3 DV NPT USA PLUG	60212610

N° IMPELLERS	ELECTRICAL DATA				HYDRAULIC DATA									DNA NPT	DNM NPT
	VOLTAGE 50 - 60 Hz	P1 MAX		In A	Q=GPM	2.6	5.3	7.9	10.6	13.2	15.8	18.5	21.1		
		KW	HP												
3	1x115-127V ~ 1x208-240V~	0.85	1.1	9.6 4.8	H (ft)	180	180	161	128	102	75	46	13	1"	1"

* By replacing the existing NEMA5-15P plug with a NEMA6-15P plug the pump can operate at 1x208-240 V



esybox

ESYBOX is a comprehensive pressurization system developed by DAB for use in homes and residential settings. The great thing about ESYBOX is that it doesn't require any additional components during installation. It combines several key components, including a multistage self-priming pump with electronic inverter control, flow and pressure sensors, a high-resolution LCD display, and an integrated 0.5-gallon expansion tank.

One of the advantages of ESYBOX is its flexibility in installation. It can be mounted both vertically or horizontally, making it suitable for various spaces, even those with limited air circulation.

The system features a water-cooled motor, protective, sound absorbing ABS hull protection, vibration damping feet, and advanced electronics. These advanced features contribute to its quiet operation, producing only 43 decibels of noise. Additionally, ESYBOX offers wireless capabilities, enabling easy creation of multi-pump pressurization units and seamless connectivity with other DAB devices.

In summary, ESYBOX is a reliable and compact pressurization system designed for domestic and residential applications. It simplifies installation by eliminating the need for additional components and offers various features for optimal performance, including quiet operation and wireless connectivity options.

Operating range

capacity up to 31.7 GPM; head up to 213 ft

Pumped liquid clean, free from solids or abrasive, non-aggressive, non-viscous, crystallized and not chemically neutral.

Maximum liquid temperature 104°F

Maximum ambient temperature 122°F

Maximum suction depth

self priming up to 26 ft

Maximum working pressure 116 psi

Degree of protection IP X 4

Insulation class F

Certification

Approved to NSF61, 372, UL and CSA standards

TECHNICAL DATA

MODEL	CODE
ESYBOX - NPT US PLUG	60161182

VOLTAGE 50 - 60 Hz	ELECTRICAL DATA			Q=GPM	HYDRAULIC DATA															
	P1 MAX		I MAX A		0	2.6	5.3	7.9	10.6	13.2	15.8	18.5	21.1	23.8	26.4	29	31.7			
	KW	HP																		
1x220-240V ~	1.55	2.1	10	H (ft)	213	208	202	195	187	174	157	136	115	90	62	33	7			

* Weights and packaging dimensions refer to a pump unit.

CORE PRODUCTS

The ESYBOX Max is an all-in-one pumping system designed for water pressurization in commercial buildings. It comes in two different power sizes, and you can customize the configuration based on your needs. Whether you need a single, double, triple, or quadruple unit, this system can handle it. It's perfect for medium to large condominiums and even tall buildings with up to 14 floors.

Each unit uses the ESYDOCK Max docking station to connect the pumping unit to the piping system.

The pumping unit itself contains an electronic vertical pump with multiple impellers, a display, a Wi-Fi module, pressure sensors, a non-return valve on the delivery side, and an integrated expansion tank. What's really cool is that you can assemble the unit right at the installation site, thanks to the innovative docking station and wireless communication between the pumps. One person can handle the assembly easily.

The system uses a variable frequency drive, which adjusts the motor's speed to maintain a constant pressure. Plus, it has a water-cooled permanent magnet motor, which means it's more efficient and can save energy. The large display makes it easy to configure the system's settings, and you can even view them from your smartphone using the DConnect app or access them remotely through the DConnect service.

If you need to interface the ESYBOX max with a BMS (Building Management System), there's an expansion module available called esy I/O that you can use as an accessory.

Flow rate up to 76.6 GPM (single pump unit)

Head 371 ft

Type of pumped liquid clean, free from solid or abrasive substances, non-viscous, non-aggressive, non-crystallized and chemically neutral

Maximum liquid temperature +122°F

Maximum room temperature +131°F

Maximum inlet pressure 73 psi

Nominal pressure (PN) 174 psi

Constant pressure range
15-174 psi (44 psi by default)

Motor protection class IP X5

Motor insulation class F

Impeller material technopolymer

Single phase power input 208-240 V 50/60 Hz

Three phase power input 380-480 V 50/60 Hz

Type of installation fixed in vertical position

Certification

Approved to NSF61, 372, UL and CSA standards



esybox max

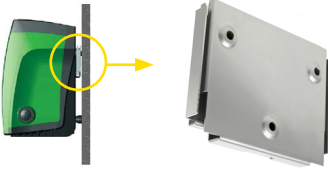
TECHNICAL DATA



MODEL (only pump unit)	CODE	ELECTRICAL DATA						Max flow gpm	Max Head Ft	inlet and outlet NPT	WEIGHT lbs	Q.TY x PALLET
		N° IMPELLERS	VOLTAGE 50 - 60 Hz	P1 MAX		In A	SET POINT PSI					
				kW	HP							
ESYBOX MAX 60/120 M - CSA	60207561	3	1x208-240 V ~	2.68	3.6	12.5 -11.5	15 -174	76	227	1"1/4 / 2"	63.9	6
ESYBOX MAX 60/120 T - CSA	60207560	3	3x380-480 V ~	2.65	3.5	4.4	15 -174	76	227	1"1/4 / 2"	63.9	6
ESYBOX MAX 85/120 T - CSA	60207559	4	3x380-480 V ~	3.50	4.7	5.6	15 -174	76	316	1"1/4 / 2"	66.1	6


MODEL	CODE	WEIGHT lbs	Q.TY x PALLET
ESYDOCK MAX NPT SINGLE DOCK	60199045	19.8	12
2 ESYDOCK MAX NPT TWIN DOCK	60199055	39.7	6
3 ESYDOCK MAX NPT TRIPPLE DOCK	60199056	59.5	3



CORE PRODUCTS

	DESCRIPTION	CODE
 <p>ALSO SUITABLE FOR ESYBOX MINI³</p>	<p>ESYWALL Kit complete with brackets, screws, dowels and two anti-vibration feet for absorption of vibrations.</p>	60161442

KIT OUTDOOR	MODEL	CODE
 <p>FOR ESYBOX</p>	<p>ESYCOVER KIT OUTDOOR ESYBOX Esyscover allows the installation of ESYBOX outside, protecting it from rain. Vertical installation only.</p>	60203667
 <p>FOR ESYBOX MINI³</p>	<p>ESYCOVER KIT OUTDOOR ESYBOX MINI³ Esyscover allows the installation of ESYBOX MINI³ outside, protecting it from rain. Vertical installation only.</p>	60203671

	DESCRIPTION	CODE	ESYBOX MAX	2 ESYBOX MAX	3 ESYBOX MAX	4 ESYBOX MAX
	<p>ESY I/O The electronic expansion module allows Esysbox Max to interface with the external input/output devices (eg: float switch, pressure switch, remote alarm) and with the BMS world (Building Management System).</p>	60206085	•	•	•	•

CORE PRODUCTS

The esybox diver is a powerful 7-inch pump that uses advanced electronics and a variable frequency drive to provide clean water from wells, tanks, or cisterns to your home.

You can use the pump in different ways - it can be submerged, partially submerged, or even used on the surface when paired with the DOC68 accessory (sold separately).

This pump is perfect for pressurization, rainwater re-use, gardening, and irrigation in residential buildings. It has a built-in variable frequency drive that adjusts its operation based on the system's needs. It also features a non-return valve and a stainless steel handle for easy transport.

The electronic system protects against dry running, and the variable frequency drive helps save energy. You can adjust the suction height up to 3.1 inches from the bottom. Plus, you can connect a float or a level sensor without opening the pump, thanks to the NFC (Near Field Communication) pocket that maintains a watertight seal.

The pump includes an expansion tank. With the included DConnect Box 2's built in WiFi and the DConnect app for Android or iOS, you can control the pump directly from your smartphone.

The whole pump is IP 68 certified, meaning it's protected against dust and can be used on the surface with flooded suction.

Flow rate maximum 31.7 GPM

Head up to 180 ft

Maximum immersion depth

39 ft standard version

Type of pumped liquid clean, free from solid or abrasive substances, non-viscous, non-aggressive, non-crystallized and chemically neutral.

Free passage 0.1 in

Liquid temperature range from

+32°F to +122°F

Set cut-in 35 psi (+-3)

Outlet connection thread 1" 1/4

Pump maximum diameter 7.3 in

Protection class IP 68

Motor insulation class F

Power cable and plug 49 ft

Possible type of installation fixed, horizontal or vertical. Submerged or semi-submerged. It can be installed on the surface, under the water level, or outside in a vertical position with the DOC68 accessory (supplied separately).

Certification

Approved to NSF61, 372, UL and CSA standards











esybox DIVER

TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA														
		VOLTAGE	P1 MAX kW	P2 NOMINAL		In A	Q=GPM	0	2.6	5.3	7.9	10.6	13.2	15.8	18.5	21.1	23.8	26.4	29	31.7
				kW	HP		H (ft)													
ESYBOX DIVER	60197922	1 x 220-240 V ~	1.3	0.95	1.3	5.5	H (ft)	180	180	180	180	180	180	174	144	112	85	56	25	
ESYBOX DIVER X	60202768	1 x 220-240 V ~	1.3	0.95	1.3	5.5	H (ft)	180	180	180	180	180	180	174	144	112	85	56	25	

CORE PRODUCTS

	DESCRIPTION	CODE
    	<p>DCONNECT BOX 2</p> <p>Thanks to DConnect Box 2 and the new App you can check the pump, set the starting and stopping parameters, view the details of alarms and monitor the status of the system directly on your smartphone. (Only for DTron 3 and ESYBOX LINE products, included with Eskybox Diver).</p>	<p>60198035 NEMA 5 PLUG to 120v NEMA 5/15P</p> <p>60198037 NEMA 6 PLUG to 230v NEMA 6/15P</p>
	<p>NFC WATER LEVEL MEASUREMENT</p> <p>Only connected to the DConnect Box 2, controls the level of water in the tank and notifies the user of the level via an App. (Only for DTron 3 and Eskybox diver).</p>	<p>60184570</p>
	<p>NFC FLOAT</p> <p>Detects the level of water in a tank, preventing emptying of the latter and seizing of the pump avoiding the dry running, due to too low a level of water.</p>	<p>60184577</p>
	<p>DOC68</p> <p>The DOC68 permits installation of the DTron and Eskybox Diver even outdoors as an IP68 certified surface pump.</p>	<p>60192276</p>

CORE PRODUCTS



DTRON 2

The DTRON 2 is a powerful submersible pump that's perfect for various water applications. It's designed to be used in water wells, tanks, or cisterns, and it's ideal for residential buildings. With its 7" size, it can efficiently pressurize water, collect rainwater for reuse, and support gardening and irrigation needs.

The pump comes with convenient features that make it user-friendly and reliable. The integrated pressure switch and flow switch, along with the electronic board, ensure automatic operation, allowing the pump to turn on and off as needed. It also has dry running protection to prevent damage.

Transporting and installing the pump is a breeze, thanks to its double mechanical seal, non-return valve, and handle. These features make it easy to move around and set up. Plus, the innovative modular design allows for separate disassembly of the hydraulic part, motor, electrical part, and filter, making maintenance activities simple.

To accommodate different water levels, the suction height of the pump can be adjusted up to 3.1 inches using the included accessory. Additionally, the pump is equipped with NFC (Near Field Communication) pocket, which allows you to connect a float without compromising the watertight seal of the pump.

The integrated expansion tank provides water hammer protection, eliminating the need for an additional expansion tank. The cable also has a quick coupling for easy installation inside the tank or cistern.

If you need to use it as a surface pump with flooded suction, you can do so by using the separately supplied accessory called DOC68

Maximum immersion depth 39 ft

Type of pumped liquid clean, free from solid or abrasive substances, non-viscous, non-aggressive, non-crystallized and chemically neutral.

Free passage 0.1 in

Liquid temperature range from 32°F to +122°F

Maximum immersion depth 49 ft

Set cut-in 35 psi

Outlet connection thread 1" 1/4

Pump maximum diameter 7.3 in

Protection class IP 68

Motor insulation class F

Power cable with plug 49 ft



Possible type of installation fixed, horizontal or vertical. Submerged or semi-submerged. It can be installed on the surface, under the water level, or outside in a vertical position with the DOC68 accessory (supplied separately).

Certification

Approved to NSF61, 372, UL and CSA standards

TECHNICAL DATA

MODEL	CODE	VOLTAGE 60 Hz	P2 NOMINAL		P1 MAX W	In A	Max Head ft	Max Flow gpm
			kW	HP				
DTRON2 35/90 - 115V/60HZ NPT - NSF	60197689	115/60	0.52	0.7	750	7.4	118	26
DTRON2 45/90 - 115V/60HZ NPT - NSF	60195643	115/60	0.67	0.9	1050	9.7	134	26
DTRON2 35/120 - 115V/60HZ NPT - NSF	60197690	115/60	0.67	0.9	950	8.8	146	34

	DESCRIPTION	CODE
	NFC FLOAT Detects the level of water in a tank, preventing emptying of the latter and seizing of the pump avoiding the dry running, due to too low a level of water.	60184577
	DOC68 The DOC68 permits installation of the DTron and Esybox Diver even outdoors as an IP68 certified surface pump.	60192276

CORE PRODUCTS



DTRON 3

The DTRON 3 is an advanced 7" electronic submersible pump with multiple impellers. It's specifically designed for clean water applications and can be used in wells, cisterns, or tanks. The versatility of this pump allows it to be used submerged, partially submerged, or even on the surface when paired with the DOC68 accessory.

This pump is perfect for residential buildings as it offers various services. It can efficiently pressurize water, facilitate the reuse of rainwater, and support gardening and irrigation activities.

With its built-in pressure sensor and flow meter integrated into the electronic board, the pump operates automatically. It can turn on and off as needed and has dry running protection to prevent damage. The inclusion of a double mechanical seal, non-return valve, and handle makes transporting and installing the pump a breeze.

Adjusting the suction height is a simple task, thanks to the special accessory provided as standard. It allows you to adjust the suction height from the bottom up to 3.1 inches. Additionally, the NFC (Near Field Communication) pocket enables you to connect a float without compromising the watertight seal of the pump. The starting pressure is adjustable through the Com Box, supplied as standard.

To protect against water hammer, the pump comes with an integrated expansion tank. The cable is equipped with a quick coupling, making installation inside the tank or cistern easier.

If you need to use it as a surface pump with flooded suction, you can do so by using the separately supplied DOC68 accessory.

Maximum immersion depth 39 ft

Type of pumped liquid clean, free from solid or abrasive substances, non-viscous, non-aggressive, non-crystallized and chemically neutral

Free passage 0.1 in

Liquid temperature range from 32 F to +122F

Maximum immersion depth 49 ft

Set cut-in 35 psi

Outlet connection Thread 1" 1/4

Pump maximum diameter 7.3 in

Protection class IP 68

Motor insulation class F

Power cable with plug 39 ft




Possible type of installation fixed, horizontal or vertical. Submerged or semi-submerged. It can be installed on the surface, under the water level, or outside in a vertical position with the DOC68 accessory (supplied separately).

Certification

Approved to NSF61, 372, UL and CSA standards

TECHNICAL DATA

MODEL	CODE	VOLTAGE 60 Hz	P2 NOMINAL		P1 MAX W	In A	Max Head ft	Max Flow gpm
			kW	HP				
DTRON3 35/90 - 115V/60HZ NPT - NSF	60197699	115/60	0.52	0.7	750	7.4	118	26
DTRON3 45/90 - 115V/60HZ NPT- NSF	60195642	115/60	0.67	0.9	1050	9.7	134	26
DTRON3 35/120 - 115V/60HZ NPT - NSF	60197703	115/60	0.67	0.9	950	8.8	146	34

	DESCRIPTION	CODE
	NFC WATER LEVEL MEASUREMENT Only connected to the DConnect Box 2, controls the level of water in the tank and notifies the user of the level via an App. (Only for DTron 3 and Eskybox diver).	60184570
	NFC FLOAT Detects the level of water in a tank, preventing emptying of the latter and seizing of the pump avoiding the dry running, due to too low a level of water.	60184577
	DOC68 The DOC68 permits installation of the DTron and Eskybox Diver even outdoors as an IP68 certified surface pump.	60192276

CORE PRODUCTS



S3

Introducing the S3, a remarkable 3-inch Submersible Multi-Impeller Pump! This pump is all set to go, providing the perfect solution for pressurization, water lifting, gardening, and irrigation in residential buildings. Designed specifically for 3-inch or larger wells, it guarantees powerful performance and unwavering reliability. Say farewell to water supply problems with this compact and highly efficient pump. Invest in the 3-inch Submersible Multi-Impeller Pump today and effortlessly take charge of your water supply!

Here are some notable construction features of the pump:

- Technopolymer impellers housed with stainless steel adjustment rings
- Pump liner, shaft, coupling with motor, integrated suction filter, and cable guard made of stainless steel
- Suction and delivery supports in micro-cast AISI 304 stainless steel
- Removable built-in non-return valve in technopolymer
- Technopolymer impellers
- NSF61 approved

Let's not forget about the motor construction features:

- Two-pole asynchronous motor entirely made of AISI 304 stainless steel
- Two-wire version
- Thrust block and bushes cooled and lubricated with a water and glycol mixture
- Rotor mounted on a Kingsbury type self-centering thrust block capable of withstanding high axial loads
- Stator immersed in thermosetting insulating resin with excellent heat dissipation capacity
- Encapsulated in an airtight AISI 304 stainless steel casing
- Removable cable connector CSA approved
- Motor suitable for use with variable frequency drive (30 Hz - 60 Hz)

Experience the durability, reliability, and cutting-edge features of the S3.

Flow rate from 3 to 18 GPM

Head up to 538 ft

Maximum immersion depth 490 ft

Type of pumped liquid clean, free of solids and abrasive substances, non-viscous, non-aggressive, non-crystallized and chemically neutral.

Liquid temperature from +32°F to +104°F

Output connection 1" 1/4 NPT

Impeller/s material technopolymer

Maximum number of starts IP 68

Protection class 20/h

Motor insulation class F

Power cable 5 ft

Single phase power input

1x230 V 60 Hz

Possible type of installation fixed in vertical position. Horizontal installation is possible, it is recommended to install a cooling sleeve

Certification pump end NSF61 motor: CSA approved

TECHNICAL DATA

MODEL	CODE
S3 5/05 0,5HP M230/60 3" 2W	60207413
S3 5/07 0,75HP M230/60 3" 2W	60207414
S3 5/10 1HP M230/60 3" 2W	60207415
S3 10/05 0,5HP M230/60 3" 2W	60207416
S3 10/07 0,75HP M230/60 3" 2W	60207417
S3 10/10 1HP M230/60 3" 2W	60207418
S3 15/05 0,5HP M230/60 3" 2W	60207419
S3 15/07 0,75HP M230/60 3" 2W	60207420
S3 15/10 1HP M230/60 3" 2W	60207421

VOLTAGE 60 Hz	P2 NOMINAL		flow gpm	In A
	kW	HP		
230/60	0.37	0.5	5	4.7
230/60	0.55	0.75	5	6.1
230/60	0.75	1.0	5	8.3
230/60	0.37	0.5	10	4.7
230/60	0.55	0.75	10	6.1
230/60	0.75	1.0	10	8.3
230/60	0.37	0.5	15	4.7
230/60	0.55	0.75	15	6.1
230/60	0.75	1.0	15	8.3

CORE PRODUCTS



S4

Introducing our incredible 4" multi-impeller borehole pumps, designed specifically for clean water applications. These pumps are engineered to boost water pressure, cater to gardening and irrigation needs, and lift water from boreholes in residential and commercial buildings. They are also well-suited for agricultural irrigation systems.

To ensure optimal performance, the S4 pumps must be installed in wells with a minimum diameter of 4". Alternatively, they can be installed in tanks or cisterns. These pumps effectively increase water pressure, making them perfect for watering medium to large gardens or, in the case of models with higher flow and head capabilities, for agricultural irrigation systems.

We offer these pumps in different configurations to meet your specific needs.

You have the following options to choose from:

- 1. Pump End Only:** This option includes the pump without the motor. It provides flexibility, allowing you to select the motor that best suits your requirements.
- 2. Pump end with water-filled motor 2WIRE:** This configuration includes the pump along with a water-filled motor that operates on a two-wire system. It simplifies installation and ensures efficient performance.
- 3. Pump end with water-filled motor 3WIRE:** With this option, you receive the pump along with a water-filled motor that operates on a three-wire system. This configuration offers enhanced control and versatility.

Flow rate up to 120 GPM

Head up to 1500 ft

Maximum immersion depth 4GG - 4TW: 984 ft

Type of pumped liquid clean, free of solids and abrasive substances, non-viscous, non-aggressive, non-crystallized and chemically neutral

Sand quantity 5.42 lb/in³

Liquid temperature from +32°F to +104°F

Output connection S4 5-25: 1" 1/4 NPT

S4 35-90: 2" NPT

Pump maximum diameter 3.9 in

Impeller/s material technopolymer

Maximum number of starts IP 68

Protection class 20/h

Motor insulation class F

Single phase power input 1x115 or 1x230 V 60 Hz

Possible type of installation fixed in vertical position. Horizontal installation is possible, it is recommended to install a cooling sleeve

Certification pump end NSF61 / 4TW motor: CSA approved

TECHNICAL DATA

5 GPM PUMPS

MODEL	CODE	VOLTAGE 60 Hz	MOTOR TYPE	P2 NOMINAL		Nominal flow gpm	Max Flow Head gpm / ft	In A	Discharge Size NPT
				kW	HP				
S4 5/05 - 0.5HP - 115V/60 2WIRE	60198632	115/60	4"TW - 2 WIRE	0.33	0.5	5	8 / 354	8.6	1" 1/4
S4 5/05 - 0.5HP - 230/60 2WIRE	60198636	230/60	4"TW - 2 WIRE	0.33	0.5	5	8 / 354	3.9	1" 1/4
S4 5/07 - 0.75HP - 230/60 2WIRE	60198637	230/60	4"TW - 2 WIRE	0.55	0.75	5	8 / 470	6.3	1" 1/4
S4 5/10 - 1HP - 230/60 2WIRE	60198638	230/60	4"TW - 2 WIRE	0.75	1.0	5	8 / 585	7.7	1" 1/4
S4 5/15 - 1.5HP - 230/60 2WIRE	60198639	230/60	4"TW - 2 WIRE	1.1	1.5	5	8 / 810	11.8	1" 1/4
S4 5/05 - 0.5HP - 115V/60 3WIRE	60198655	115/60	4"GG - 3 WIRE	0.33	0.5	5	8 / 354	10.0	1" 1/4
S4 5/05 - 0.5HP - 230/60 3WIRE	60198659	230/60	4"GG - 3 WIRE	0.33	0.5	5	8 / 354	5.5	1" 1/4
S4 5/07 - 0.75HP - 230/60 3WIRE	60198660	230/60	4"GG - 3 WIRE	0.55	0.75	5	8 / 470	7.4	1" 1/4
S4 5/10 - 1HP - 230/60 3WIRE	60198661	230/60	4"GG - 3 WIRE	0.75	1.0	5	8 / 585	8.0	1" 1/4
S4 5/15 - 1.5HP - 230/60 3WIRE	60198662	230/60	4"GG - 3 WIRE	1.1	1.5	5	8 / 810	10.0	1" 1/4

CORE PRODUCTS

S4

7 GPM PUMPS

MODEL	CODE	VOLTAGE 60 Hz	MOTOR TYPE	P2 NOMINAL		Nominal flow gpm	Max Flow Head gpm / ft	In A	Discharge Size NPT
				kW	HP				
S4 7/05 - 0.5HP - 115V/60 2WIRE	60198633	115/60	4"TW - 2 WIRE	0.33	0.5	7	11 / 283	8.6	1" 1/4
S4 7/05 - 0.5HP - 230/60 2WIRE	60198640	230/60	4"TW - 2 WIRE	0.33	0.5	7	11 / 283	3.9	1" 1/4
S4 7/07 - 0.75HP - 230/60 2WIRE	60198641	230/60	4"TW - 2 WIRE	0.55	0.75	7	11 / 389	6.3	1" 1/4
S4 7/10 - 1HP - 230/60 2WIRE	60198642	230/60	4"TW - 2 WIRE	0.75	1.0	7	11 / 502	7.7	1" 1/4
S4 7/15 - 1.5HP - 230/60 2WIRE	60198643	230/60	4"TW - 2 WIRE	1.1	1.5	7	11 / 673	11.8	1" 1/4
S4 7/05 - 0.5HP - 115V/60 3WIRE	60198656	115/60	4"GG - 3 WIRE	0.33	0.5	7	11 / 283	10.0	1" 1/4
S4 7/05 - 0.5HP - 230/60 3WIRE	60198663	230/60	4"GG - 3 WIRE	0.33	0.5	7	11 / 283	5.5	1" 1/4
S4 7/07 - 0.75HP - 230/60 3WIRE	60198664	230/60	4"GG - 3 WIRE	0.55	0.75	7	11 / 389	7.4	1" 1/4
S4 7/10 - 1HP - 230/60 3WIRE	60198665	230/60	4"GG - 3 WIRE	0.75	1.0	7	11 / 502	8.0	1" 1/4
S4 7/15 - 1.5HP - 230/60 3WIRE	60198666	230/60	4"GG - 3 WIRE	1.1	1.5	7	11 / 673	10.0	1" 1/4

10 GPM PUMPS

MODEL	CODE	VOLTAGE 60 Hz	MOTOR TYPE	P2 NOMINAL		Nominal flow gpm	Max Flow Head gpm / ft	In A	Discharge Size NPT
				kW	HP				
S4 10/05 - 0.5HP - 115V/60 2WIRE	60198634	115/60	4"TW - 2 WIRE	0.33	0.5	10	15 / 241	8.6	1" 1/4
S4 10/05 - 0.5HP - 230/60 2WIRE	60198644	230/60	4"TW - 2 WIRE	0.33	0.5	10	15 / 241	3.9	1" 1/4
S4 10/07 - 0.75HP - 230/60 2WIRE	60198645	230/60	4"TW - 2 WIRE	0.55	0.75	10	15 / 301	6.3	1" 1/4
S4 10/10 - 1HP - 230/60 2WIRE	60198646	230/60	4"TW - 2 WIRE	0.75	1.0	10	15 / 413	7.7	1" 1/4
S4 10/15 - 1.5HP - 230/60 2WIRE	60198647	230/60	4"TW - 2 WIRE	1.1	1.5	10	15 / 576	11.8	1" 1/4
S4 10/05 - 0.5HP - 115V/60 3WIRE	60198657	115/60	4"GG - 3 WIRE	0.33	0.5	10	15 / 241	10.0	1" 1/4
S4 10/05 - 0.5HP - 230/60 3WIRE	60198667	230/60	4"GG - 3 WIRE	0.33	0.5	10	15 / 241	5.5	1" 1/4
S4 10/07 - 0.75HP - 230/60 3WIRE	60198668	230/60	4"GG - 3 WIRE	0.55	0.75	10	15 / 301	7.4	1" 1/4
S4 10/10 - 1HP - 230/60 3WIRE	60198669	230/60	4"GG - 3 WIRE	0.75	1.0	10	15 / 413	8.0	1" 1/4
S4 10/15 - 1.5HP - 230/60 3WIRE	60198670	230/60	4"GG - 3 WIRE	1.1	1.5	10	15 / 576	10.0	1" 1/4

CORE PRODUCTS

S4

15 GPM PUMPS

MODEL	CODE
S4 15/05 - 0.5HP - 115V/60 2WIRE	60198635
S4 15/05 - 0.5HP - 230/60 2WIRE	60198648
S4 15/07 - 0.75HP - 230/60 2WIRE	60198649
S4 15/10 - 1HP - 230/60 2WIRE	60198650
S4 15/15 - 1.5HP - 230/60 2WIRE	60198651
S4 15/05 - 0.5HP - 115V/60 3WIRE	60198658
S4 15/05 - 0.5HP - 230/60 3WIRE	60198671
S4 15/07 - 0.75HP - 230/60 3WIRE	60198672
S4 15/10 - 1HP - 230/60 3WIRE	60198673
S4 15/15 - 1.5HP - 230/60 3WIRE	60198674

VOLTAGE 60 Hz	MOTOR TYPE	P2 NOMINAL		Nominal flow gpm	Max Flow Head gpm / ft	In A	Discharge Size NPT
		kW	HP				
115/60	4*TW - 2 WIRE	0.33	0.5	15	21 / 163	8.6	1" 1/4
230/60	4*TW - 2 WIRE	0.33	0.5	15	21 / 163	3.9	1" 1/4
230/60	4*TW - 2 WIRE	0.55	0.75	15	21 / 229	6.3	1" 1/4
230/60	4*TW - 2 WIRE	0.75	1.0	15	21 / 301	7.7	1" 1/4
230/60	4*TW - 2 WIRE	1.1	1.5	15	21 / 401	11.8	1" 1/4
115/60	4*GG - 3 WIRE	0.33	0.5	15	21 / 163	10.0	1" 1/4
230/60	4*GG - 3 WIRE	0.33	0.5	15	21 / 163	5.5	1" 1/4
230/60	4*GG - 3 WIRE	0.55	0.75	15	21 / 229	7.4	1" 1/4
230/60	4*GG - 3 WIRE	0.75	1.0	15	21 / 301	8.0	1" 1/4
230/60	4*GG - 3 WIRE	1.1	1.5	15	21 / 401	10.0	1" 1/4

20 GPM PUMPS

MODEL	CODE
S4 20/07 - 0.75HP - 230/60 2WIRE	60198652
S4 20/10 - 1HP - 230/60 2WIRE	60198653
S4 20/15 - 1.5HP - 230/60 2WIRE	60198654
S4 20/07 - 0.75HP - 230/60 3WIRE	60198675
S4 20/10 - 1HP - 230/60 3WIRE	60198676
S4 20/15 - 1.5HP - 230/60 3WIRE	60198677

VOLTAGE 60 Hz	MOTOR TYPE	P2 NOMINAL		Nominal flow gpm	Max Flow Head gpm / ft	In A	Discharge Size NPT
		kW	HP				
230/60	4*TW - 2 WIRE	0.55	0.75	20	30 / 196	6.3	1" 1/4
230/60	4*TW - 2 WIRE	0.75	1.0	20	30 / 263	7.7	1" 1/4
230/60	4*TW - 2 WIRE	1.1	1.5	20	30 / 321	11.8	1" 1/4
230/60	4*GG - 3 WIRE	0.55	0.75	20	30 / 196	7.4	1" 1/4
230/60	4*GG - 3 WIRE	0.75	1.0	20	30 / 263	8.0	1" 1/4
230/60	4*GG - 3 WIRE	1.1	1.5	20	30 / 321	10.0	1" 1/4

25 GPM PUMPS

MODEL	CODE
S4 25/10 - 1HP - 230/60 2WIRE	60199005
S4 25/15 - 1.5HP - 230/60 2WIRE	60199006
S4 25/10 - 1HP - 230/60 3WIRE	60199007
S4 25/15 - 1.5HP - 230/60 3WIRE	60199008

VOLTAGE 60 Hz	MOTOR TYPE	P2 NOMINAL		Nominal flow gpm	Max Flow Head gpm / ft	In A	Discharge Size NPT
		kW	HP				
230/60	4*TW - 2 WIRE	0.75	1.0	25	35 / 202	7.7	1" 1/4
230/60	4*TW - 2 WIRE	1.1	1.5	25	35 / 299	11.8	1" 1/4
230/60	4*GG - 3 WIRE	0.75	1.0	25	35 / 202	8.0	1" 1/4
230/60	4*GG - 3 WIRE	1.1	1.5	25	35 / 299	10.0	1" 1/4

CORE PRODUCTS

S4

PUMP ENDS



MODEL	CODE	NUMBER STAGES	HP	PACKING DIMENSIONS			WEIGHT (lbs)	NOMINAL GPM	Max Flow Head gpm / ft
				L/A (in)	L/B (in)	H (in)			
S4 5/05 - PUMP END	60198611	11	0.5	18.9	4.5	4.5	7.3	5	8 / 354
S4 5/07 - PUMP END	60198612	15	0.75	18.9	4.5	4.5	8.6	5	8 / 470
S4 5/10 - PUMP END	60198613	18	1.0	23.6	4.5	4.5	9.7	5	8 / 585
S4 5/15 - PUMP END	60198614	25	1.5	33.1	4.5	4.5	11.7	5	8 / 810
S4 5/20 - PUMP END	60196210	31	2.0	33.1	4.5	4.5	16.3	5	8 / 987
S4 7/05 - PUMP END	60198615	8	0.5	18.9	4.5	4.5	5.9	7	11 / 283
S4 7/07 - PUMP END	60198616	11	0.75	18.9	4.5	4.5	7.3	7	11 / 389
S4 7/10 - PUMP END	60198617	14	1.0	23.6	4.5	4.5	8.1	7	11 / 502
S4 7/15 - PUMP END	60198618	19	1.5	33.1	4.5	4.5	9.9	7	11 / 673
S4 7/20 - PUMP END	60196215	24	2.0	33.1	4.5	4.5	11.2	7	11 / 862
S4 7/30 - PUMP END	60196216	33	3.0	42.5	4.5	4.5	17.2	7	11 / 1185
S4 10/05 - PUMP END	60198619	7	0.5	18.9	4.5	4.5	6.2	10	15 / 241
S4 10/07 - PUMP END	60198620	10	0.75	18.9	4.5	4.5	7.0	10	15 / 301
S4 10/10 - PUMP END	60198621	12	1.0	23.6	4.5	4.5	7.7	10	15 / 413
S4 10/15 - PUMP END	60198622	17	1.5	33.1	4.5	4.5	9.2	10	15 / 576
S4 10/20 - PUMP END	60196222	22	2.0	33.1	4.5	4.5	11.0	10	15 / 746
S4 10/30 - PUMP END	60196223	29	3.0	33.1	4.5	4.5	13.2	10	15 / 931
S4 10/50 - PUMP END	60196224	46	5.0	42.5	4.5	4.5	22.9	10	15 / 1476
S4 15/05 - PUMP END	60198623	5	0.5	18.9	4.5	4.5	5.9	15	21 / 163
S4 15/07 - PUMP END	60198624	7	0.75	18.9	4.5	4.5	6.6	15	21 / 229
S4 15/10 - PUMP END	60198625	9	1.0	18.9	4.5	4.5	7.5	15	21 / 301
S4 15/15 - PUMP END	60198626	12	1.5	23.6	4.5	4.5	8.6	15	21 / 401
S4 15/20 - PUMP END	60196229	616	2.0	33.1	4.5	4.5	10.3	15	21 / 531
S4 15/30 - PUMP END	60196230	23	3.0	42.5	4.5	4.5	14.1	15	21 / 763
S4 15/50 - PUMP END	60196231	36	5.0	47.2	4.5	4.5	20.5	15	21 / 1194
S4 20/07 - PUMP END	60198627	6	0.75	18.9	4.5	4.5	6.2	20	30 / 196
S4 20/10 - PUMP END	60198628	7	1.0	18.9	4.5	4.5	6.6	20	30 / 263
S4 20/15 - PUMP END	60198629	10	1.5	18.9	4.5	4.5	9.9	20	30 / 321
S4 20/20 - PUMP END	60196235	13	2.0	23.6	4.5	4.5	10.2	20	30 / 422
S4 20/30 - PUMP END	60196236	18	3.0	33.1	4.5	4.5	11.9	20	30 / 580
S4 20/50 - PUMP END	60196237	28	5.0	33.1	4.5	4.5	18.3	20	30 / 959

CORE PRODUCTS

S4

PUMP ENDS



MODEL	CODE	NUMBER STAGES	HP	PACKING DIMENSIONS			WEIGHT (lbs)	NOMINAL GPM	Max Flow Head gpm / ft
				L/A (in)	L/B (in)	H (in)			
S4 25/10 - PUMP END	60198630	7	1.0	18.9	4.5	4.5	7.5	25	35 / 202
S4 25/15 - PUMP END	60198631	10	1.5	23.6	4.5	4.5	9.0	25	35 / 299
S4 25/20 - PUMP END	60196240	13	2.0	33.1	4.5	4.5	10.3	25	35 / 379
S4 25/30 - PUMP END	60196241	17	3.0	33.1	4.5	4.5	12.1	25	35 / 499
S4 25/50 - PUMP END	60196242	26	5.0	47.2	4.5	4.5	19.4	25	35 / 760
S4 35/10 - PUMP END	60196243	6	1.0	18.9	4.5	4.5	7.0	35	50 / 172
S4 35/15 - PUMP END	60196244	8	1.5	23.6	4.5	4.5	7.9	35	50 / 236
S4 35/20 - PUMP END	60196245	10	2.0	23.6	4.5	4.5	9.0	35	50 / 294
S4 35/30 - PUMP END	60196246	14	3.0	33.1	4.5	4.5	10.8	35	50 / 412
S4 35/50 - PUMP END	60196247	24	5.0	42.5	4.5	4.5	18.3	35	50 / 693
S4 35/75 - PUMP END	60196248	35	7.5	53.1	4.5	4.5	25.1	35	50 / 968
S4 35/100 - PUMP END	60196249	49	10.0	70.9	4.5	4.5	34.3	35	50 / 1191
S4 45/15 - PUMP END	60196250	5	1.5	18.9	4.5	4.5	6.6	45	60 / 152
S4 45/20 - PUMP END	60196251	7	2.0	18.9	4.5	4.5	7.5	45	60 / 211
S4 45/30 - PUMP END	60196252	9	3.0	23.6	4.5	4.5	8.4	45	60 / 272
S4 45/50 - PUMP END	60196253	14	5.0	33.1	4.5	4.5	12.1	45	60 / 435
S4 45/75 - PUMP END	60196254	22	7.5	42.5	4.5	4.5	18.0	45	60 / 672
S4 45/100 - PUMP END	60196255	30	10.0	47.2	4.5	4.5	22.9	45	60 / 950
S4 60/20 - PUMP END	60196256	6	2.0	23.6	4.5	4.5	9.7	60	80 / 175
S4 60/30 - PUMP END	60196257	8	3.0	33.1	4.5	4.5	11.4	60	80 / 235
S4 60/50 - PUMP END	60196258	13	5.0	42.5	4.5	4.5	16.1	60	80 / 393
S4 60/75 - PUMP END	60196259	17	7.5	47.2	4.5	4.5	21.3	60	80 / 516
S4 60/100 - PUMP END	60196260	23	10.0	57.2	4.5	4.5	28.6	60	80 / 698
S4 90/20 - PUMP END	60196261	5	2.0	18.9	4.5	4.5	6.2	90	130 / 140
S4 90/30 - PUMP END	60196262	6	3.0	18.9	4.5	4.5	6.6	90	130 / 172
S4 90/50 - PUMP END	60196263	10	5.0	18.9	4.5	4.5	9.9	90	130 / 300
S4 90/75 - PUMP END	60196264	14	7.5	23.6	4.5	4.5	10.2	90	130 / 404
S4 90/100 - PUMP END	60196265	19	10.0	33.1	4.5	4.5	11.9	90	130 / 543

CORE PRODUCTS



This 2 wire submersible asynchronous two-pole motor. It's made with durable AISI 304 stainless steel, ensuring that the parts in contact with water are protected.

To keep the motor cool and lubricated, a mixture of water and glycol is used for the thrust bearing assembly and carbon bushes. The squirrel-cage rotor is securely mounted on a Kingsbury self-centering thrust bearing. The stator is housed in a sealed stainless steel casing, with both the flanges and shell made from AISI 304L stainless steel.

For easy maintenance, there's a removable cable connector. The cable itself is certified by CSA to UL & NSF standards.

This motor is compatible with a variable frequency drive, allowing for flexible use with frequencies ranging from 30 Hz to 60 Hz. The capacitor is protected inside the motor casing where it is directly connected to the motor windings, eliminating the need for an external control box.

Additionally, thermal protection is included in the motor. Choose the reliable and efficient 4" Asynchronous submersible motor for your water applications.

Flange NEMA 4"

Insulation class F

Protection class IP68

Cooling flow speed 1.0 ft/sec @ 95 °F

Power supply tolerance + 6 % / -10 %

Max. starts 20/h

Max operating depth 984 ft

Motor Sizes 0.5 HP - 1.5 HP

Motor maximum diameter 3.9"

Certification

Approved to NSF61, 372, UL and CSA standards


TW



TECHNICAL DATA - SINGLE PHASE MOTORS

MODEL	CODE	V [V]	P2		SF	In [A]	In (SF) [A]	Is/In	Cs/Cn	P1 [W]	N [min ⁻¹]	Cos φ	η %	C [μF]	Ø [AWG]	LC [ft]
			[HP]	[kW]												
4TW - 0.5 HP	60174194	115	0.5	0.37	1.6	8.6	10	4.2	0.65	800	3450	0.88	46	80	3x14	5½
4TW - 0.5 HP	60174195	230			1.6	3.9	5	4.6	0.65	800	3450	0.88	46	20	3x14	5½
4TW - 0.75 HP	60174196	230	0.75	0.55	1.5	6.3	6.9	4.3	0.65	1200	3450	0.82	47	25	3x14	5½
4TW - 1 HP	60174197	230	1	0.75	1.4	7.7	8.8	4.8	0.68	1500	3450	0.84	50	35	3x14	5½
4TW - 1.5 HP	60174198	230	1.5	1.1	1.3	11.8	12.7	4.7	0.7	2120	3450	0.85	53	40	3x14	5½

- V: Rated voltage
- P2: Rated output
- SF: Service factor
- In: Rated current
- In (SF): Service factor current
- Is/In: Locked rotor current/Rated current
- Cs/Cn: Locked rotor Torque/Rated Torque
- P1: Power consumption
- N: R.P.M
- Cos φ: Power factor
- η: Efficiency
- C: Capacitor
- Ø: Cable section
- LC: Cable length

KIT CABLE CONNECTOR	DESCRIPTION	CODE
	KIT CABLE - FT 5,58 <ul style="list-style-type: none"> • CABLES WITH DIFFERENT LENGTH • DIFFERENT SUPPLY VOLTAGES • CSA CERTIFIED VERSION 	60141970

CORE PRODUCTS

99



This 3 wire submersible asynchronous two-pole motor. It's made of AISI 304 stainless steel to ensure durability for the components that come into contact with water. To keep the thrust bearing assembly and carbon brushes cool and lubricated, a mixture of water and glycol is used. The squirrel-cage rotor is securely mounted on a Kingsbury self-centering thrust bearing. The stator is housed in a sealed stainless steel casing, known as a canned-type casing, with both the flanges and shell made from AISI 304L stainless steel.

For easy maintenance, there's a removable cable connector provided. The cable itself is certified to NSF, UL, and CSA standards, ensuring its quality. This motor is designed to be used with a variable frequency drive, allowing for flexible operation with frequencies ranging from 30 Hz to 50/60 Hz. In the single-phase version with a power range of 1.5 to 5 Hp, the capacitor and manually resettable overload protection are located in the Control Box, which can be supplied separately. In the single-phase version with a power range of 0.5 to 1.0 Hp, the thermal protection is already included in the motor itself, but it still requires the Control Box with the capacitor for correct operation.

For the three-phase version, the user must provide their own overload protection.

Flange NEMA 4"

Insulation class F

Degree of protection IP68

Cooling flow 1.0 ft/sec @ 95 °F

Voltage tolerance + 6% / -10%

Max starts 20/h

Max operating depth 984 ft

Motor Sizes 0.5 HP - 10 HP

Motor maximum diameter 3.9"

Certification

Approved to NSF61, 372, UL and CSA standards



TECHNICAL DATA - SINGLE PHASE MOTORS

MODEL	3 WIRE		V [V]	P2		SF	In [A]	In (SF) [A]	Is/In	CsCn	P1 [W]	N [min ⁻¹]	Cos φ	η %	C1 [μF]	C2 [μF]	Ø [AWG]	LC [ft]
	CODE	[HP]		[kW]														
4GG - 1/2 HP	60174199	0.5	115	0.37	1.6	10.0	12.6	4.0	3.2	800	3450	0.71	48	-	250-300	4x14	5½	
4GG - 1/2 HP	60174200		230		1.6	5.5	6.8	4.2	3.9	800	3450	0.62	46	-	59-71	4x14	5½	
4GG - 3/4 HP	60174201	0.75	230	0.55	1.5	7.4	8.6	4.6	3.6	1100	3450	0.65	53	-	86-103	4x14	5½	
4GG - 1 HP	60174202	1	230	0.75	1.4	8.0	9.8	5.5	2.9	1350	3450	0.68	58	-	105-126	4x14	5½	
4GG - 1 1/2 HP	60174203	1.5	230	1.1	1.3	10.0	12.0	6.0	1.9	1800	3450	0.81	64	10	105-126	4x14	5½	
4GG - 2 HP	60174204	2	230	1.5	1.25	10.5	12.3	5.3	2.3	2200	3450	0.95	69	20	105-126	4x14	5½	
4GG - 3 HP	60174205	3	230	2.2	1.15	14.3	16.2	5.5	2.1	3100	3450	0.97	72	45	208-250	4x14	5½	
4GG - 5 HP	60174206	5	230	3.7	1.15	22.2	25.5	5.5	1.8	5000	3450	0.99	74	2x40	270-324	4x14	8 ¾	


- V: Rated voltage
- P2: Rated output
- SF: Service factor
- In: Rated current
- In (SF): Service factor current
- Is/In: Locked rotor current/Rated current
- Cs/Cn: Locked rotor Torque/Rated Torque
- P1: Power consumption
- N: R.P.M
- Cos φ: Power factor
- η: Efficiency
- C: Capacitor
- Ø: Cable section
- LC: Cable length


KIT CABLE CONNECTOR USA VERSION	DESCRIPTION	CODE
	KIT CABLE CONNECTOR - FT 5.58	60141967
	KIT CABLE CONNECTOR - FT 8.86	60141968
	KIT CABLE CONNECTOR - FT 9.84	60141969

CORE PRODUCTS

CONTROL BOX - USA VERSION

- Version with metal casing.
- PLUS version contains a magnetic line contactor carefully matched to the motor, eliminating the need for an external line contactor.

4GG ACCESSORIES	DESCRIPTION	CODE	P2		V [V]	C [μF]	C [V]
			[hp]	[kW]			
	CONTROL BOX 4CBUS 0.5HP 115V 60HZ BASIC TESLA	0.5	0.37	115	250-300	125	330
	CONTROL BOX 4CBUS 0.5HP 230V 60HZ BASIC TESLA	0.5	0.37	230	59-71	250	330
	CONTROL BOX 4CBUS 0.75HP 230V 60HZ BASIC TESLA	0.75	0.55	230	86-103	250	330
	CONTROL BOX 4CBUS 1HP 230V 60HZ BASIC TESLA	1	0.75	230	105-126	250	330

4GG ACCESSORIES	DESCRIPTION	CODE	P2		V [V]	RUN CAP		START CAP	
			[hp]	[kW]		[μF]	[V]	[μF]	[V]
	CONTROL BOX 4CBUS 1.5HP 230V 60HZ BASIC TESLA	60174733	1.5	1.1	230	10	370	105-126	250
	CONTROL BOX 4CBUS 2HP 230V 60HZ BASIC TESLA	60174734	2	1.5	230	20	370	105-126	250
	CONTROL BOX 4CBUS 3HP 230V 60HZ BASIC TESLA	60174735	3	2.2	230	45	370	208-250	250
	CONTROL BOX 4CBUS 5HP 230V 60HZ BASIC TESLA	60174736	5	3.0	230	2x40	370	270-324	250
	CONTROL BOX 4CBUS 1.5HP 230V 60HZ PLUS TESLA	60174737	1.5	1.1	230	10	370	105-126	250
	CONTROL BOX 4CBUS 2HP 230V 60HZ PLUS TESLA	60174738	2	1.5	230	20	370	105-126	250
	CONTROL BOX 4CBUS 3HP 230V 60HZ PLUS TESLA	60174739	3	2.2	230	45	370	208-250	250
	CONTROL BOX 4CBUS 5HP 230V 60HZ PLUS TESLA	60174740	5	3.0	230	2x40	370	270-324	250

CORE PRODUCTS

TECHNICAL DATA - THREE PHASE MOTORS

MODEL	3 WIRE	V [V]	P2		SF	In [A]	In (SF) [A]	Is/In	Cs/Cn	P1 [W]	N [min ⁻¹]	Cos φ	η %	C [μF]	CABLE	
	CODE		[HP]	[kW]											Ø [AWG]	LC [ft]
4GG - 1/2 HP	60121248	230	0.5	0.37	1.6	3.2	3.8	4.4	3.2	870	3450	0.4	42	-	4x14	5½
	60140361	460			1.6	1.6	1.9	5	3.2	870	3450	0.4	42	-	4x14	5½
	TBD	575			1.6	1.3	1.5	5	3.2	650	3450	0.54	57	-	4x14	5½
4GG - 3/4 HP	60121249	230	0.75	0.55	1.5	4.4	4.8	5.2	3.6	1140	3450	0.47	48	-	4x14	5½
	60121252	460			1.5	2.2	2.4	5.5	3.6	1140	3450	0.47	48	-	4x14	5½
	TBD	575			1.5	1.8	1.9	5.5	3.6	840	3450	0.48	65	-	4x14	5½
4GG - 1 HP	60121254	230	1	0.75	1.4	5.2	5.6	6.4	4.2	1260	3450	0.59	59	-	4x14	5½
	60121256	460			1.4	2.6	2.8	5.8	4.2	1260	3450	0.59	59	-	4x14	5½
	TBD	575			1.4	2.1	2.2	5.8	4.2	1200	3450	0.59	63	-	4x14	5½
4GG - 1 1/2 HP	60140362	230	1.5	1.1	1.3	7.2	7.8	5.9	4.1	1875	3450	0.53	60	-	4x14	5½
	60121259	460			1.25	3.6	3.9	6.7	4.1	1875	3450	0.53	60	-	4x14	5½
	TBD	575			1.3	2.9	3.1	6.7	4.1	1720	3450	0.60	64	-	4x14	5½
4GG - 2 HP	60140363	230	2	1.5	1.15	9.2	9.8	6.1	3.8	2230	3450	0.57	67	-	4x14	5½
	60121268	460			1.15	4.6	4.9	6.7	3.8	2230	3450	0.57	67	-	4x14	5½
	TBD	575			1.25	3.7	6.1	6.7	3.8	2160	3450	0.59	69	-	4x14	5½
4GG - 3 HP	60140364	230	3	2.2	1.15	11.2	12	7.5	4.8	3160	3450	0.69	71	-	4x14	5½
	60140365	460			1.15	5.6	6	7.1	4.8	3160	3450	0.69	71	-	4x14	5½
	TBD	575			1.15	4.5	4.8	7.1	4.8	3050	3450	0.68	72	-	4x14	5½
4GG - 5 HP	60140368	230	5	4	1.15	17.8	19.2	7.4	4	5230	3450	0.7	77	-	4x14	8¾
	60140369	460			1.15	8.9	9.6	7.4	4	5230	3450	0.7	77	-	4x14	8¾
	TBD	575			1.15	7.1	7.7	7.4	4.4	5300	3450	0.75	75	-	4x14	8¾
4GG - 7.5 HP	60140370	230	7.5	5.5	1.15	24	26	7.5	3.8	7100	3450	0.71	78	-	4x14	8¾
	60140371	460			1.15	12	13	7.5	3.8	7100	3450	0.71	78	-	4x14	8¾
	TBD	575			1.15	9.6	10.4	7.5	3.8	7050	3450	0.74	79	-	4x14	8¾
4GG - 10 HP	60140372	460	10	7.5	1.15	15.4	16.6	7.1	3.9	9300	3450	0.78	80	-	4x14	11½
	TBD	575			1.15	12.3	13.5	7.1	3.9	9100	3450	0.74	82	-	4x14	11½

P2: Rated output
V: Rated voltage
SF: Service factor
In: Rated current
In (SF): Service factor current

Is/In: Locked rotor current/Rated current
Cs/Cn: Locked rotor Torque/Rated Torque
P1: Power consumption
N: R.P.M
Cos φ: Power factor

η: Efficiency
C: Capacitor
Ø: Cable section
LC: Cable length

CORE PRODUCTS

GF



This GF 6-inch submersible motor is built tough, combining AISI 304 stainless steel and cast iron construction to make it durable and long-lasting. The parts that come into contact with water are coated with a protective paint coating.

To ensure top-notch performance, the thrust bearing assembly and carbon brushes are cooled and lubricated with a mixture of water and glycol.

The squirrel-cage rotor is securely mounted on a Kingsbury self-centering thrust bearing. The 30 to 60HP models come with a heavy-duty thrust bearing for reliable operation even in deep wells.

The stator is housed in a sealed stainless steel casing, known as a canned-type casing, to keep everything airtight.

For easy maintenance, there's a removable cable connector provided, allowing for quick and convenient access. The cable itself meets NSF, UL, and CSA standards, so you can trust its quality. This motor is designed to be used with a variable frequency drive, giving you flexibility with frequencies ranging from 30 Hz to 60 Hz.

You can get this motor in a three-phase version, and you have the choice between DOL or STAR-DELTA starting types.

The user must provide overload protection.

Additionally, you have the option to equip the motor with a PT100 temperature sensor, which adds an extra level of temperature control monitoring.

Flange NEMA 6"

Insulation class F

Degree of protection IP68

Cooling flow 1.0 ft/sec @ 95 °F

Voltage tolerance + 6% / -10%

Max starts 25/h

Max operating depth 984 ft

Motor Sizes 5.5 HP - 25 HP Standard Construction
30 HP - 60HP Heavy Duty Construction



TECHNICAL DATA - SINGLE PHASE MOTORS

MODEL	3 WIRE	V [V]	P2		SF	In [A]	In (SF) [A]	Is/In	P1 [W]	N [min ⁻¹]	Cos φ	η %	C [μF]		Ø [AWG]	LC [ft]
	CODE		[HP]	[kW]									Start	Run		
6GF - 7.5 HP	60187218	230	7.5	5.5	1.15	33	37	15	7520	3490	0.72	74	486-584	45	4x10	13
6GF - 10 HP	60187219	230	10	7.5	1.15	43	49	20	9800	3490	0.76	77	616-740	70	4x10	13
6GF - 15 HP	60187220	230	15	11	1.15	63	74	30	14350	3490	0.77	76	701-841	135	4x8	13

6GF / 6GX ACCESSORIES	DESCRIPTION	CODE	P2		V [V]	RUN CAP		START CAP	
			[hp]	[kW]		[μF]	[V]	[μF]	[V]
	CONTROL BOX 6CBUS 7.5HP 230V 60HZ PLUS TESLA	60184860	7.5	5.5	230	45	370	270-324	330
								216-260	330
	CONTROL BOX 6CBUS 10HP 230V 60HZ PLUS TESLA	60184861	10	7.5	230	35	370	270-324	330
						35	370	216-260	330
	CONTROL BOX 6CBUS 15HP 230V 60HZ PLUS TESLA	60184862	15	11	230	45	370	270-324	330
						45	370	270-324	330
					45	370	161-193	330	



CORE PRODUCTS


TECHNICAL DATA - THREE PHASE MOTORS

MODEL	3 WIRE	V [V]	P2		SF	In [A]	In (SF) [A]	Is/In	P1 [W]	N [min ⁻¹]	Cos φ	η %	Start *	CABLE	
	CODE		[HP]	[kW]										∅ [AWG]	LC [ft]
6GF - HP 5.5	60181824	230	5.5	4	1.15	18.5	20	5.1	5700	3450	0.77	70	Δ	4x10	13
	60181833	460			1.15	8.6	9.5	5.5	5700	3470	0.83	70	Y	4x10	13
6GF - HP 7.5	60181825	230	7.5	5.5	1.15	24	26.6	5	7400	3480	0.77	74	Δ	4x10	13
	60181834	460			1.15	12	13.3	5	7400	3480	0.77	74	Y	4x10	13
6GF - HP 10	60181826	230	10	7.5	1.15	34	37	4.8	9900	3465	0.73	76	Δ	4x10	13
	60181835	460			1.15	15	16.5	5.5	9900	3465	0.83	76	Y	4x10	13
6GF - HP 15	60181828	230	15	11	1.15	50	54	4.4	13400	3495	0.67	82	Δ	4x10	13
	60181837	460			1.15	21	23.3	5.2	13400	3495	0.8	82	Y	4x10	13
6GF - HP 20	60181830	230	20	15	1.15	63	68	4.8	18200	3475	0.73	82	Δ	4x10	13
	60181839	460			1.15	27.6	30.8	5.4	18200	3475	0.83	82	Y	4x10	13
6GF - HP 25	60181831	230	25	18.5	1.15	73.4	80	5.7	22200	3475	0.76	83	Δ	4x8	13
	60181840	460			1.15	36.7	40	5.7	22200	3475	0.76	83	Y	4x8	13

6GF - HP 30 HEAVY DUTY	60181832	230	30	22	1.15	95	105	5.5	26500	3480	0.7	83	Δ	4x8	13
	60202631	460			1.15	44.7	49.8	5.8	26500	3480	0.74	83	Y	4x8	13
6GF - HP 40 HEAVY DUTY	60202632	460	40	30	1.15	54	62	6.3	35700	3480	0.83	84	Y	4x8	13
6GF - HP 50 HEAVY DUTY	60202633	460	50	37	1.15	69	77	6.1	44800	3480	0.82	83	Y	4x8	13
6GF - HP 60 HEAVY DUTY	60202634	460	60	45	1.15	82	92	6.5	53500	3450	0.83	84	Y	4x8	13

P2: Rated output
 V: Rated voltage
 SF: Service factor
 In: Rated current
 In (SF): Service factor current
 Is/In: Locked rotor current/Rated current
 Cs/Cn: Locked rotor Torque/Rated Torque
 P1: Power consumption
 N: R.P.M
 Cos φ: Power factor
 η: Efficiency
 C: Capacitor
 ∅: Cable section
 LC: Cable length

* Star-delta version 230/380 V and 380/660 V available.

KIT CABLE CONNECTOR USA VERSION	DESCRIPTION	CODE
	KIT CABLE CONNECTOR - FT 13.12	SP00003221
	KIT CABLE CONNECTOR - FT 13.12	SP00003222

CORE PRODUCTS



JET 150-200 PS

JET

The JET is a self-priming centrifugal pump that can efficiently lift water, even when there's air bubbles present, down to a maximum depth of 29ft. It's specifically designed for water supply in homes, gardening, and any other situation where you need that self-priming functionality.

The JET comes with a durable cast iron pump body and motor support, along with a technopolymer impeller, diffuser, Venturi tube, and sand guard. It's built tough. Plus, it includes stainless steel adjustment rings for added stability. To ensure reliable operation, the pump is equipped with a carbon/ceramic mechanical seal.

The JET features an asynchronous motor that's enclosed and cooled by external ventilation. It's got built-in thermal and current overload protection, and in the single-phase version, the capacitor stays on permanently.

On top of all that, the JET comes with a pressure switch, making it a self-priming pump that kicks into action based on your desired pressure settings.

Operating range

from 1.8 to 46.2 GPM with head up to 203 ft

Liquid quality requirements clean, free from solid or abrasive contaminants, non-viscous, non-aggressive, uncrystallised and chemically neutral, close to the properties of water.

Liquid temperature range from 32°F to +104°F

Maximum ambient temperature +104°F

Maximum operating pressure 116 psi

Installation fixed in a horizontal position.

Special executions on request

different frequencies and/or voltage.

Motor protection rating IP 44

Terminal block protection rating IP 55

Insulation class F

TECHNICAL DATA

MODEL	CODE
JET 150-PS	102166230.
JET 200-PS	102166240.

ELECTRICAL DATA						
VOLTAGE 60 Hz	P1 MÁX kW	P2 NOMINAL		In A	CAPACITOR	
		kW	HP		µF	Vc
1X230 V~	1.7	1.1	1.5	8	31.5	450
1X230 V~	2.4	1.5	2	11	40	450



EVOSTA 2

The Evosta 2, made by DAB, is an electronic circulator that's designed to recirculate water in residential heating and air conditioning systems. It uses a wet rotor and advanced technology to adjust its performance based on what the system needs. This not only saves energy but also protects against pressure fluctuations that can cause issues.

The Evosta 2 is a compact and versatile solution that can replace those older three-speed circulators. It combines the durability of mechanical circulators with the advantages of electronic ones. It's easy to set up too, with a sequential button that lets users choose from nine different operating modes. You've got options like proportional pressure, constant pressure, and constant speed.

Now, all models of the Evosta 2 come with a breather plug and allow for manual release of the motor shaft. They've got threaded suction and delivery ports, a technopolymer impeller, and a cast iron body coated with cathaphoretic paint. And let's not forget, the motor casing is made of stainless steel for extra durability. The electronics of the Evosta 2 are water-resistant and have an IPX5 protection class, so you know they can handle the job.

Operating range

0.8 - 15.1 gpm with head up to 18 ft

Pumped liquid temperature range

from +14 °F to +230 °F

Working pressure 145 psi

Protection class: IP X5. (NEMA 4X) Protected against jets of water

Insulation class F

Installation with horizontal motor axis

Standard power input

single-phase 1 x 110-127 V~ 60 Hz

Pumped liquid clean, free of solids and mineral oils, non-viscous, chemically neutral, with properties similar to water (glycol max 30%)

PUMP BODY Pump body in cast iron with cathaphoresis treatment EVOSTA2 SAN version with Stainless Steel

TECHNICAL DATA

MODEL	CODE
EVOSTA 2 55 110-127V 60HZ	60192406
EVOSTA 2D 55 110-127V 60HZ	60192407
EVOSTA 2 55 SAN 110-127V 60HZ	60193156

CENTRE DISTANCE	FLANGE	POWER INPUT 60 Hz	P1 MAX W	In A	EEI	MINIMUM SUCTION PRESSURE	
						t°	194 °F
6 3/8"	OVAL 2 BOLT	1 x 110-127 V~	4 41	0.064 0.61	EEI ≤ 0.23	ft.c.w.	32.8
6 3/8"	OVAL 2 BOLT	1 x 110-127 V~	4 41	0.064 0.61	EEI ≤ 0.23	ft.c.w.	32.8
6 3/8"	OVAL 2 BOLT	1 x 110-127 V~	4 41	0.064 0.61	EEI ≤ 0.23	ft.c.w.	32.8



On-line product selection

 **DAB PUMPS LTD.**
6 Gilbert Court
Newcomen Way
Severalls Business Park
Colchester
Essex
CO4 9WN - UK
salesuk@dwtgroup.com
Tel. +44 0333 777 5010

 **DAB PUMPS IBERICA S.L.**
Calle Verano 18-20-22
28850 - Torrejón de Ardoz - Madrid
Spain
Info.spain@dwtgroup.com
Tel. +34 91 6569545
Fax: +34 91 6569676

 **DAB PUMPS SOUTH AFRICA (PTY) LTD**
Twenty One industrial Estate,
16 Purlin Street, Unit B, Warehouse 4
Olifantsfontein - 1666 - South Africa
info.sa@dwtgroup.com
Tel. +27 12 361 3997

 **DAB PUMPS (QINGDAO) CO. LTD.**
No.40 Kaituo Road, Qingdao Economic & Technological
Development Zone
Qingdao City, Shandong Province - China
PC: 266500
sales.cn@dwtgroup.com
Tel. +86 400 186 8280
Fax +86 53286812210

 **DAB PUMPS BV**
'tHofveld 6 C1
1702 Groot Bijgaarden - Belgium
info.belgium@dwtgroup.com
Tel. +32 2 4668353

 **DAB PUMPS HUNGARY KFT.**
H-8800
Nagykanizsa, Buda Ernő u.5
Hungary
Tel. +36 93501700

 **DAB PUMPS DE MÉXICO, S.A. DE C.V.**
Av Amsterdam 101 Local 4
Col. Hipódromo Condesa,
Del. Cuauhtémoc CP 06170
Ciudad de México
Tel. +52 55 6719 0493

 **DAB PUMPS B.V.**
Albert Einsteinweg, 4
5151 DL Drunen - Nederland
info.netherlands@dwtgroup.com
Tel. +31 416 387280
Fax +31 416 387299

 **DAB PUMPS POLAND Sp. z o.o.**
Ul. Janka Muzykanta 60
02-188 Warszawa - Poland
polska@dabpumps.com.pl

 **DAB PUMPS OCEANIA PTY LTD**
426 South Gippsland Hwy,
Dandenong South VIC 3175 - Australia
info.oceania@dwtgroup.com
Tel. +61 1300 373 677

 **DAB PUMPS GMBH**
Am Nordpark 3
D - 41069 Mönchengladbach - Germany
info.germany@dwtgroup.com
Tel. +49 2161 47388-0
Fax +49 2161 47388-36

 **DAB PUMPS INC.**
3226 Benchmark Drive
Ladson, SC 29456 - USA
info.usa@dwtgroup.com
Tel. 1- 843-797-5002
Fax 1-843-797-3366

 **PT DAB PUMPS INDONESIA**
Satrio Tower lantai 26
unit C-D, Jl. Prof. Dr. Satrio Kav. C4,
Kel. Kuningan Timur, Kec. Setiabudi, Kota Adm.
Jakarta Selatan, Prov. DKI Jakarta. - Indonesia
Tel. +62 2129222850

60200596 - 4/2024



Via Marco Polo, 14
35035 Mestrino (PD) Italy
Tel. +39.049.5125000 - Fax +39.049.5125950
www.dabpumps.com



DAB Pumps Inc.
3226 Benchmark Drive
Ladson, SC 29456 - USA

service.us@dabpumps.com
Tel. 1-843-797-5002
www.dabpumps.us