



We make
water easy

CATALOG
MARCH 1, 2026
CANADA





WATER BOOSTING



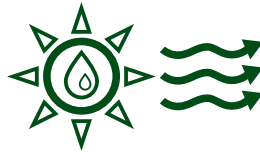
CONDITIONING



GARDENING & IRRIGATION



HEATING



SOLAR HEATING



HOT WATER



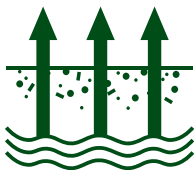
DRAINAGE



EFFLUENT



SEWAGE



GROUND WATER



MACERATORS



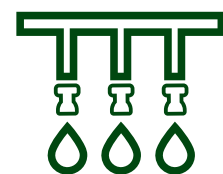
SWIMMING POOL



RAIN WATER REUSE



FIRE FIGHTING



IRRIGATION SYSTEMS

ESYBOX LINE

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CONTROL UNIT

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JET & CENTRIFUGAL

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SUMP & SEWAGE

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**SUBMERSIBLE PUMPS
AND MOTORS**

PAGE 93

HVAC

PAGE 155

NEW FOR 2026

EsyBox Pop: **Maximum pressure minimum size**

The latest revolution in the EsyBox Line:
all of DAB's technology in a new
lightweight, compact, silent and
all-in-one design.



Perfect pressure



All-in-one



Compact and light



Smart and connected



Quick maintenance



**Small size,
big performance**



Maximum versatility



Intuitive setup

**Compatible
with**





Discover more

With H2D, systems have no secrets

The smart platform for managing DAB devices remotely



Optimize time and work



Problem fixed first time, every time



Little or no disruption



More service and less urgent callouts = increased profit



Satisfied customers



Simplified interface for consumption and comfort functions



H2D is the smart platform for professionals and end users that manages all the new generation DAB pumps. Dedicated to those who look to the future for solutions that respect the environment while offering maximum comfort.





...THE EVOLUTION OF DCONNECT AND DAB LIVE!
FOR PROFESSIONALS AND END USERS

WORK JUST GOT SMARTER

H₂D SIMPLIFIES WORK ROUTINES: IT'S THE IDEAL TOOL FOR MEETING CUSTOMER NEEDS IN AN INSTANT AND GROWING YOUR BUSINESS.



H₂D TOOLS DELIVER PROFESSIONAL OUTCOMES AND BENEFITS FOR ALL

Improving workflows means freeing up time to focus on other areas of your business. By choosing H₂D, you improve customer service, reduce the number of emergencies and grow your business, effortlessly.



OPTIMIZE TIME AND WORK

On-site work is no longer always required: H₂D allows systems to be controlled remotely and, where needed, work on site is easier to plan.



LITTLE OR NO DISRUPTION

Remote monitoring reports faults in real time and allows you to address potential issues before they become a problem, and take prompt remedial action where required, ultimately reducing any disruption.



SATISFIED CUSTOMERS

With parameters optimized remotely, consistently smooth system operation is assured: the customer will never experience water issues again.



PROBLEM FIXED FIRST TIME, EVERY TIME

When there's no choice but to go to site, H₂D provides all the info you need to prepare the job beforehand for a quick and permanent fix, so the technician can get everything done in one go.



MORE SERVICE AND LESS URGENT CALLOUTS = INCREASED PROFIT

With remote control of systems, it's easy to offer 24/7 monitoring and preventive maintenance services. Systems are less prone to faults and emergencies, meanwhile your business grows.



BENEFITS FOR EVERY USER

Having satisfied customers is a real joy, as well as a point of professional pride: with H₂D, it's easy to keep house, apartment and small business owners and condominium property managers happy.

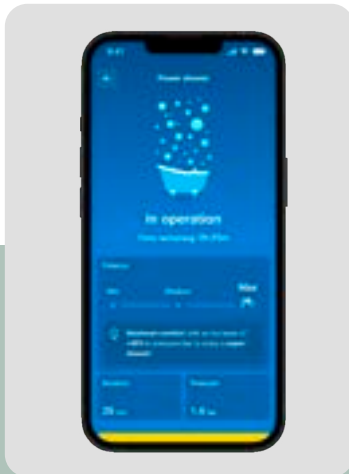
...AND FOR YOUR HOME TOO!

NOT JUST FOR PROFESSIONALS: H₂D IS FOR EVERYONE WHO LIVES IN THE HOME. THANKS TO INTELLIGENT FEATURES, IT TAKES COMFORT TO THE TOP, MONITORS CONSUMPTION AND DETECTS ANY IRREGULARITIES.



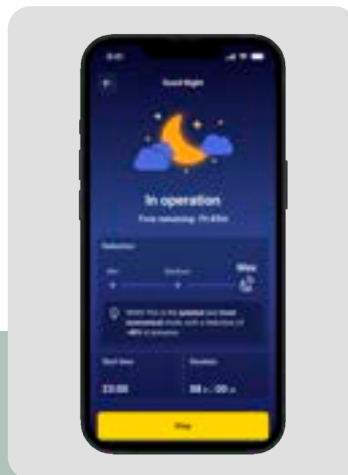
POWER SHOWER

To turn a regular shower into a “power shower”, you need to boost water pressure to the max. H₂D lets you increase pressure parameters just for the time it takes to shower, while reducing usage for the rest of the day. Comfort guaranteed, every time.



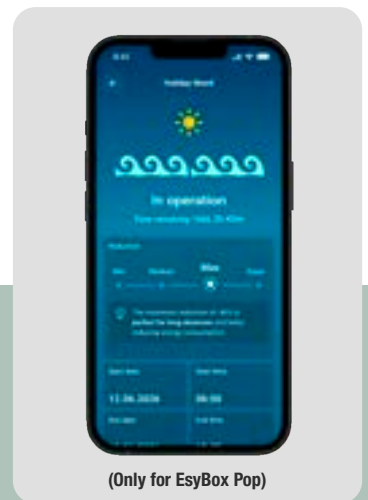
GOOD NIGHT

During the night, when even a slight buzz can sound noisy, you can turn on sleep mode, switching the already super quiet pump to whisper-quiet operation.



HOLIDAY MOOD

This important feature helps minimise device activity, thereby saving energy during vacations or extended periods when you are away.

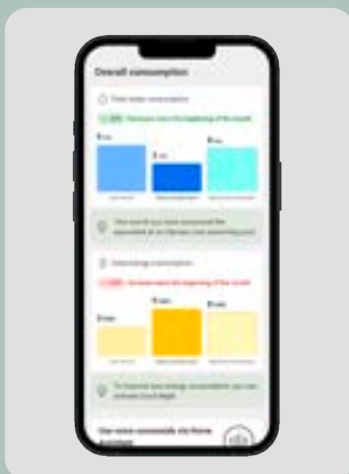


(Only for EskyBox Pop)



OVERVIEW

On H₂D, you can get a real-time overview of your usage and the operating status of your system: if something's not right, contact customer support right away.



SMART HOME, TALK TO ESYBOX.

If you prefer, you can control comfort modes simply by talking to Alexa and Google Home voice assistants. Even while you're in the shower!

Activate
Good Night



Activate
Power shower

Getting started and using H₂D is easy: download the app, create your profile and off you go!



H2D DIGITAL SERVICE

THE SMART PLATFORM FOR MANAGING DAB DEVICES REMOTELY



H2D SUBSCRIPTIONS: BASIC AND PREMIUM PLANS

The app offers a free set of functions and becomes an irreplaceable working tool thanks to the available subscription solutions.



PROFESSIONALS

	BASIC	PREMIUM
REMOTE MONITORING BASIC PARAMETERS	✓	✓
REMOTE MONITORING AND CONTROL ALL PARAMETERS		✓
ALARMS: VIEW AND EXPORT (PDF, CSV)	Last alarm	Complete alarm log
IN-APP PUSH NOTIFICATIONS ALARMS AND EXPIRY DATES	✓	✓
SHARE OR TRANSFER INSTALLATION	Max. 2 users	Max. 10 users
COMPARE CURRENT / PREVIOUS MONTH CONSUMPTION	✓	✓
ANNUAL CONSUMPTION HISTORY (DAY, WEEK, MONTH)		✓
PDF DEVICE INSTANT REPORTING		✓



FINAL USERS

	BASIC	PREMIUM
COMPARE CURRENT / PREVIOUS MONTH CONSUMPTION	✓	✓
ANNUAL CONSUMPTION HISTORY (DAY, WEEK, MONTH)		✓
CONTROL BASIC PARAMETERS		✓
COMFORT FUNCTIONS: POWER SHOWER, GOOD NIGHT MODE	✓	✓
HOME ASSISTANTS (ALEXA, GOOGLE HOME)	✓	✓
ALARM DISPLAY	Last alarm only	Complete alarm log
IN-APP PUSH NOTIFICATIONS	✓	✓
REMOTE MONITORING BASIC PARAMETERS	✓	✓

Basic

Free

No expiration

- Real-time data
- Access to the main monitoring functions

Premium 1-1

1 year duration

- 1 month data retention
- Starter subscription option

Try it FREE for 2 months!

Premium 1-12

1 year duration

- 12 months data retention
- Advanced subscription option

Premium 3-12

3 years duration

- 12 months data retention
- Most comprehensive subscription option

For more information visit: h2d.com

esybox LINE



**BUILT-IN
CONNECTIVITY**

MODULARITY AND CONNECTIVITY THE REVOLUTION OF WATER PRESSURISATION

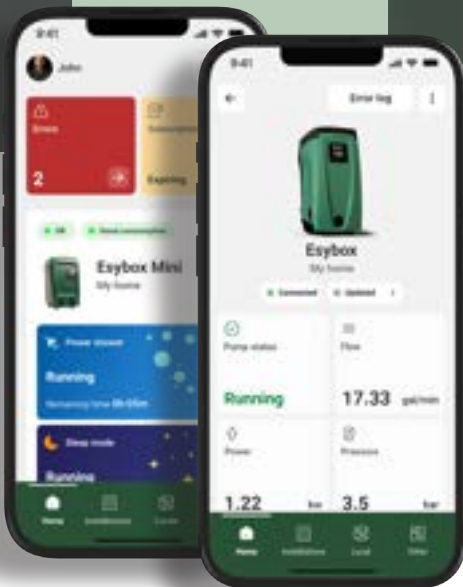


Download on the
App Store

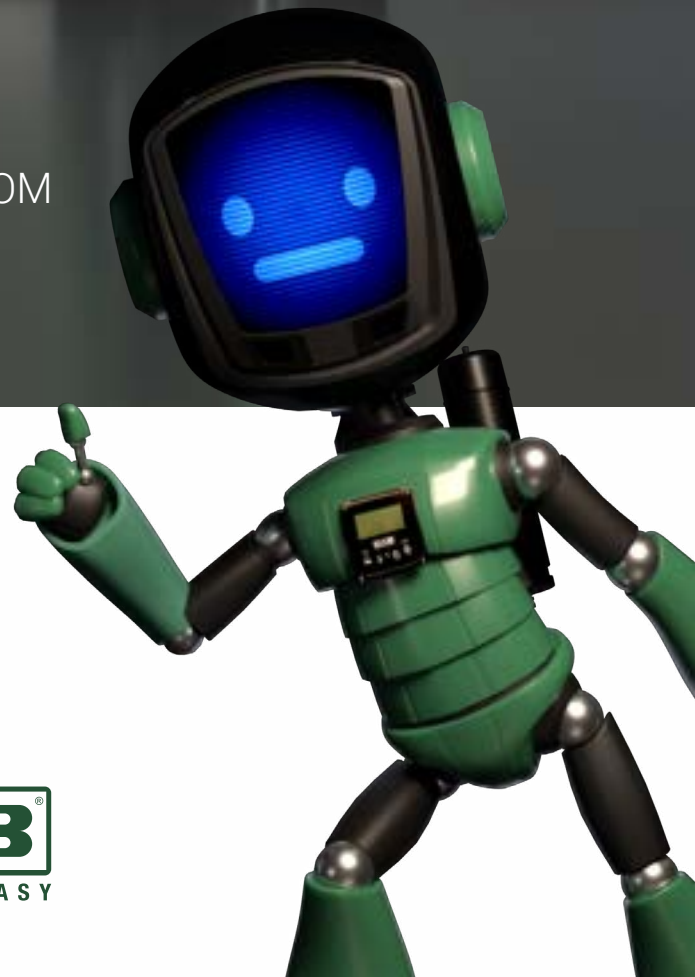
ANDROID APP ON
Google play

DAB'S DIGITAL SOLUTION
ARE EVOLVING!

ESYBOXLINE.COM



DAB
MAKING WATER EASY



esybox LINE

Installed **all around the world** to **Make water management experience easier.**

With the launch of our first EsyBox, over 10 years ago, revolutionized the concept of pressurization systems with a fully integrated electronic solution.

More than just a range of products, the EsyBox Line today represents a new experience in water management for a diversity of applications.



ESYBOX LINE



Gardening & irrigation



Water boosting



Water purifying



Rainwater reuse



Hydroponic



Grey water reuse



HO.RE.CA.

The fluid being pumped must be clean, free from solid particles or abrasives, non-viscous, non-corrosive, non-crystallizing, and chemically stable.

The latest revolution from the EsyBox Line that revolutionized water.



Perfect pressure

Enjoy water that always flows at your perfect intensity. Even in multiple spots at once, without compromise.



All-in-one

EsyBox Pop has everything you need to work right out of the box. No components required: simply plug & play. And with its accessories, it easily adapts to your specific needs.



Compact and light

EsyBox Pop looks great, but when needed, it's not afraid of tight spaces, whether it's a garage or a basement.



Smart and connected

Set comfort mode, and track consumption: discover how you can even talk directly to your smart pump!

esybox pop



The solution you've been waiting for

From its compact size to its smart management, **EsyBox Pop** is designed to **simplify every step**: from installation to maintenance, including setup and use.



Bathroom renovation



Areas affected by water rationing



Apartments, even on upper floors



Whole-house renovation



Replacing noisy pumps

Ultimate home comfort, made simple.



Quick maintenance

The modular design makes the pump easy to maintain. Components can be replaced quickly, reducing downtime and lowering service costs.



Small size, big performance

Compact yet technologically advanced, with minimal consumption and ultra-quiet operation. Smart connectivity ensures an optimal user experience.



Maximum versatility

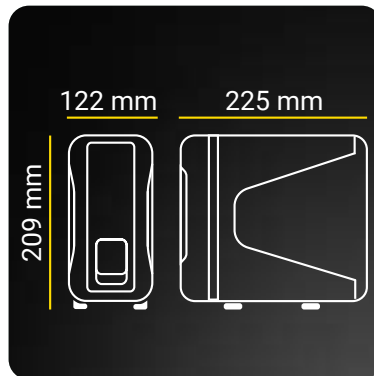
With its compact size, reduced weight, and rotatable fittings, EskyBox Pop can be installed in spaces where no other product can fit.



Intuitive setup

Configure the pump quickly and easily via the DAB H₂D app, monitor its operation and troubleshoot remotely, saving both time and money.

Compact and light



Ultra-quiet and all-in-one



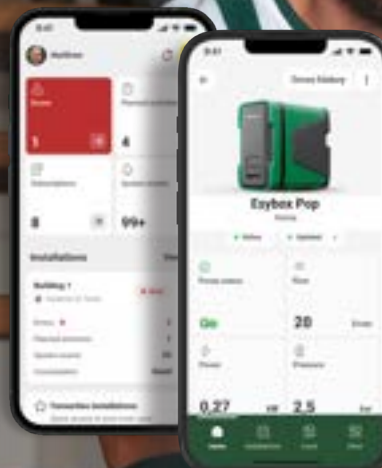
Certified for drinking water



take full control of your water.

H₂D Compatible with EskyBox Pop,
it's your ideal app.

- Save time and work more efficiently
- Plan interventions in advance
- Monitor faults remotely
- Deliver better service for happier customers





ESYBOX POP
ELECTRONIC PRESSURISATION SYSTEM

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ESYBOX DIVER
7" MULTISTAGE SUBMERSIBLE PUMPS WITH VARIABLE FREQUENCY DRIVE

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ESYBOX MINI³
ELECTRONIC PRESSURISATION SYSTEM

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ESYBOX MAX
ELECTRONIC BOOSTER SET

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ESYBOX
ELECTRONIC PRESSURIZATION SYSTEM

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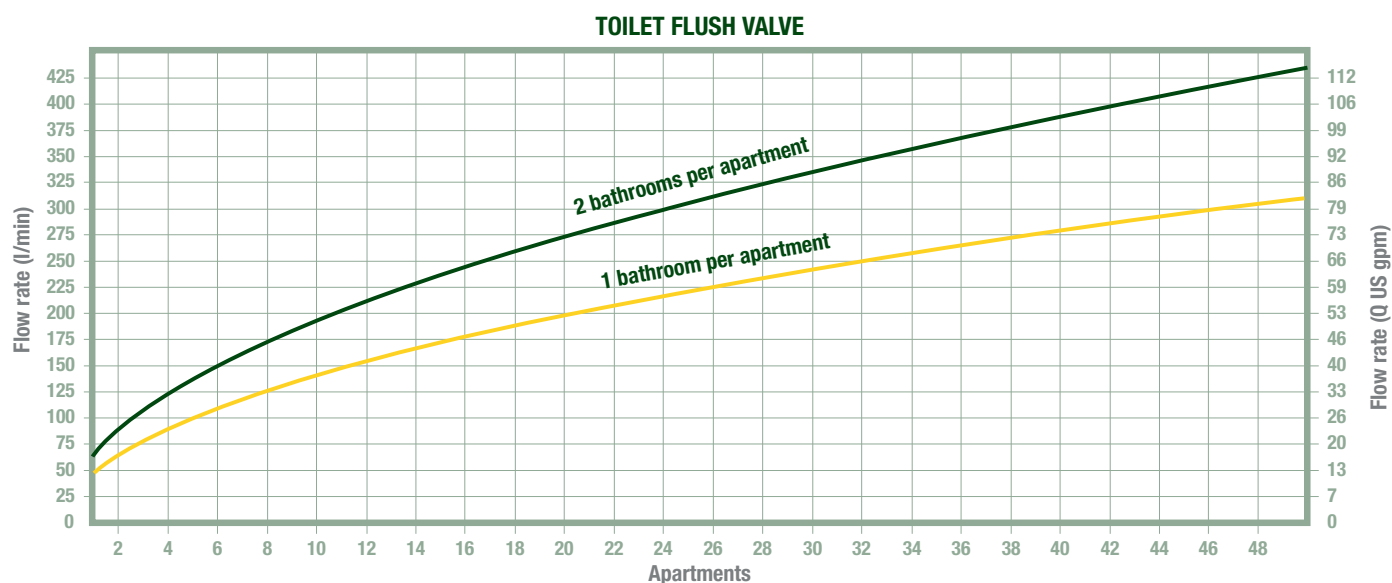
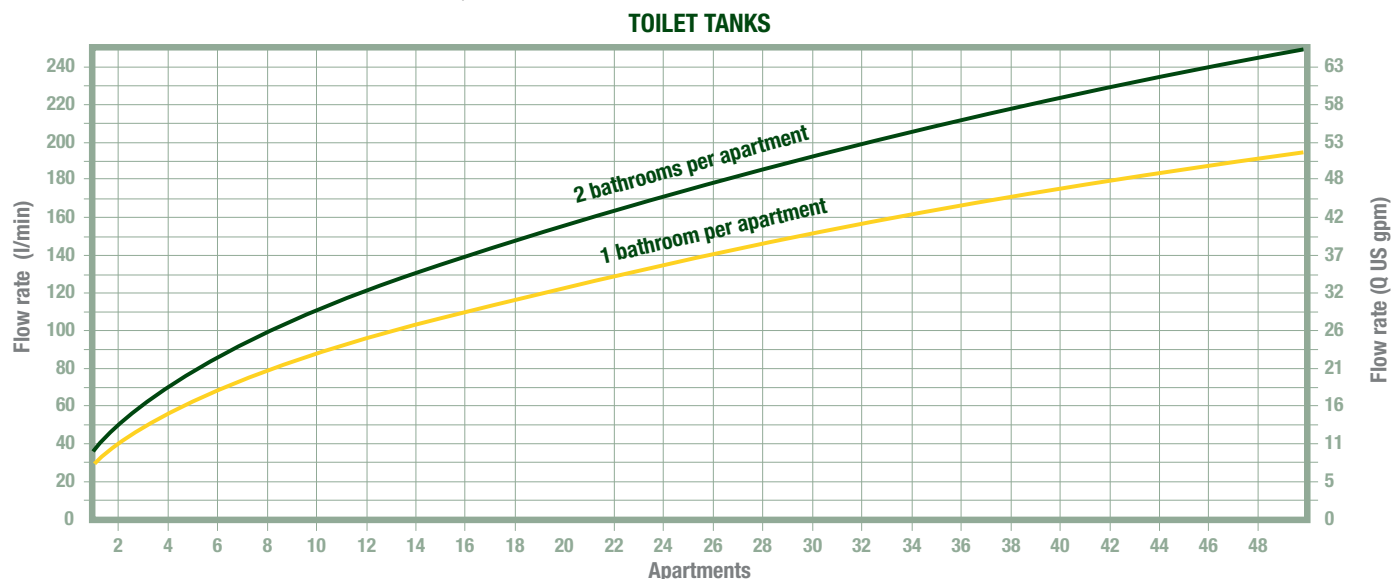
ACCESSORIES

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WHICH ESYBOX DO YOU NEED? FOLLOW THESE STEPS:

1 CALCULATION OF THE FLOW RATE

Flow rate curves in relation to the number of apartments.



2 CALCULATION OF THE HEAD

$$\text{Head} = [12 \text{ ft} - 3.6 \text{ m}] \cdot \# \text{ floors} + [66 \text{ ft} - 20 \text{ m}]$$

12 ft - 3.6 m: assuming a height per floor of 10 ft - 3 m + pressure losses due to friction in the pipes equal to 20% of the total height of the building.

66 ft - 20 m: pressure required by the most disadvantaged user (29 psi - 2 bar).

The suction pressure is not taken into account as the standards prohibit direct connection of the aqueduct to the pump.

To this value must be added the pressure losses due to the devices installed in the system (softeners, boilers, ...).

ESYBOX LINE

WE HELP YOU CHOOSE

SELECTION TABLE

If you're in the market for a domestic water pressure boosting system, then the ESYBox Line is just what you're looking for. ESYBox is DAB's integrated system for domestic pressure boosting; it's quiet and saves you energy by supplying constant pressure based on your actual water demand. Don't delay, discover the full ESYBox Line today!

		WATER PRESSURE BOOSTING		
		MAXIMUM NUMBER OF FLOORS	SMALL APARTMENT with 1 bathroom (6* )	MEDIUM-SIZE APARTMENT with 2 bathrooms (10* )
			MAXIMUM NUMBER OF APARTMENTS	
ESYBOX POP 			4 taps turned on at the same time (with no suction pressure)	
			6 taps turned on at the same time (1 bar suction - where allowed)	
			10 taps turned on at the same time (2 bar suction - where allowed)	
ESYBOX MINI³ 		All on the same floor	4	3
		GF + 1 floor	3	2
		GF + 2 floors	1	1
ESYBOX 		All on the same floor	14 *	9*
		GF + 1 floor	10*	7
		GF + 2 floors	7	5
ESYBOX DIVER 		All on the same floor	14	9
		GF + 1 floor	10	7
		GF + 2 floors	7	5
	ESYBOX MAX 45/120	GF + 1 floor	40*	40*
		GF + 3 floors	20*	20*
		GF + 5 floors	10*	10*
	ESYBOX MAX 60/120	GF + 1 floor	60*	60*
		GF + 3 floors	35*	35*
		GF + 5 floors	25*	25*
	ESYBOX MAX 85/120	GF + 1 floor	50*	50*
		GF + 3 floors	45*	45*
		GF + 5 floors	40*	40*

* We recommend installing 2 pumps to ensure uninterrupted service

WARNING: the calculations and tables shown on these pages are based on our experience and can never replace the calculations made by a qualified technician: they are therefore only intended to give a general, non-binding indication for planning purposes.

ESYBOX POP

ELECTRONIC PRESSURISATION SYSTEM



NEW



This electronic pressurisation system is designed for small residential environments: it features sound-absorbing materials and a water-cooled permanent magnet motor, ensuring quiet operation, which makes it particularly suitable for home use.

The professional performance of this device is ensured by its advanced components, which include: an anti-cycling feature, which detects leaks by monitoring the frequency of starts and stops; an automatic shut-off mechanism that activates in the event of dry running; an anti-freeze system - to prevent ice formation in the hydraulic components, the pump activates when temperatures drop below 5°C; a motor-protection technology to prevent issues from prolonged inactivity.

The adjustable connections facilitate installation. Integrated connectivity enables users to configure settings via a smartphone and access cloud services without the need for additional accessories. The remote control works with H₂D app.

Operating range

flow rate up to 17,2 gpm (3,9 m³/h); head up to 105 ft (32 m)

Pumped liquid clean, free of solid or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral

Liquid temperature range

41 °F to +122 °F (5°C to +50°C)

Maximum ambient temperature

+122 °F (+50°C)

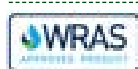
Maximum working pressure 87 psi (6 bar)

Protection degree IPX5

Insulation class F

Installation vertical or wall-mounting using the dedicated accessory

esybox pop



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TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA								DNA NPT	DNM NPT
		VOLTAGE* 50 - 60 Hz	P1 MAX		In A	Q=GPM	0	2.6	5.3	7.9	10.6	13.2	15.8		
			kW	HP		Q=l/min	0	10	20	30	40	50	60		
ESYBOX POP	60244219	1x110-127V ~	0.3	0.4	5	H (ft)	105	102	88	71	52	33	16	3/4	3/4
						H (m)	32	31	26.8	21.6	16	10.1	5		

APPLICATIONS



SUITABLE FOR PUMPING WATER FROM:



RAINWATER
COLLECTION TANKS



CISTERNS



AQUEDUCT
where permitted by law

EsyBox Pop

- 4 taps running simultaneously (with zero inlet pressure)
 - 6 taps running simultaneously (14.5 psi (1 bar) inlet pressure – where permitted)
 - 10 taps running simultaneously (29 psi (2 bar) inlet pressure – where permitted).
- Indicative data. Refer to the technical catalogue or DNA for correct sizing.

Work just got smarter...and for you home too!

OVERVIEW
H2D shows you your real-time consumption along with device status.

SMART HOME, TALK TO ESYBOX POP!
You can even ask your voice assistant to activate comfort modes: it's that easy!

POWER SHOWER
Provides a "power shower" by increasing water pressure just for the time it takes to shower.

GOOD NIGHT
A useful feature for nighttime, or when taking a quick nap: it switches the already super quiet pump to whisper-quiet operation, further reducing energy usage.

HOLIDAY MOOD
Minimizes device activity and energy usage when you're away for extended periods.

SOUND
PRESSURE ** 40
dB(A)



9.9 x 8.2 x 4.8 in
22.5 x 20.9 x 12.2 cm

** In "good night" mood.

**Sound pressure measured at a distance of 3 ft (1 m) in free field.

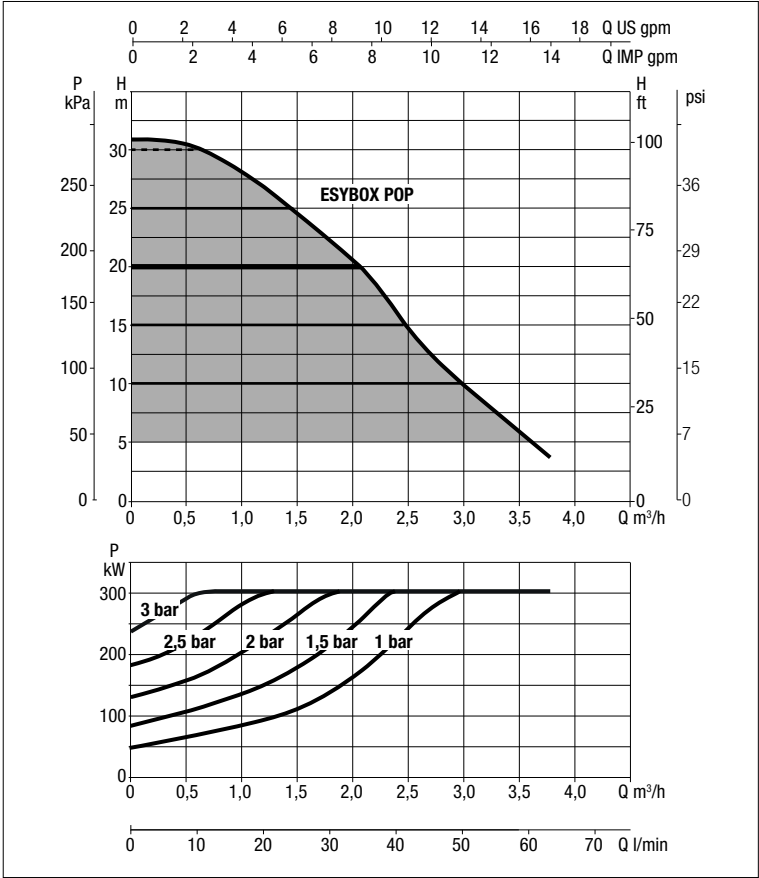
discover esybox line



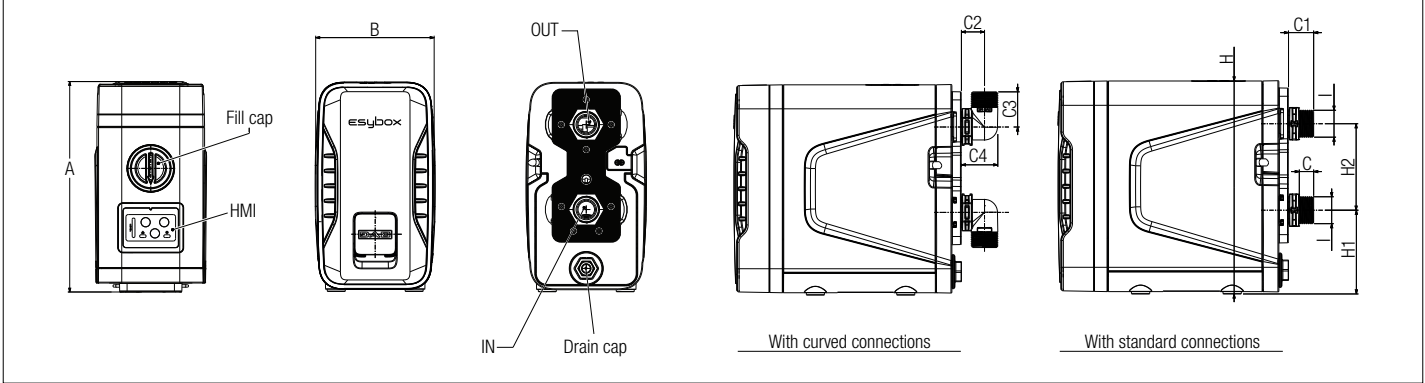
ESYBOX POP

ELECTRONIC PRESSURISATION SYSTEM

RANGE PERFORMANCE



DIMENSIONS



DIMENSIONS AND WEIGHTS

Two pairs of fittings will be supplied, both elbow and standard.

MODEL	Units	A	B	C	C1	C2	C3	C4	H	H1	H2	I Ø	DNA	DNM	PACKING DIMENSIONS			WEIGHT	Q.TY x PALLET
															L/A	L/B	H		
ESYBOX POP	inches	8.9	4.7	0.6	1	0.9	1.4	1.4	8.2	3.2	3.3	3/4"	3/4"	3/4"	9.8	7.9	9.8	9.7 lbs	76
	mm	226.5	120.3	14	24.7	23	35	36.2	209.3	82.3	85				250	200	250	4,4 kg	

ESYBOX MINI³

ELECTRONIC PRESSURISATION SYSTEM



esybox mini³

Multi-impeller self-priming electronic system for pressurization, gardening and irrigation, rainwater reuse, in domestic and residential installations. Compact, fully integrated and ready to use without the need for additional components, including the 0.2 gal (1L) expansion tank, power cable and plug. Once the desired pressure is set, the variable frequency drive keeps it constant regardless of the demand. The carefully selected materials (ABS) and the water-cooled motor make it low noise (45 dB) and installable even in inhabited rooms, either vertically or horizontally depending on available space. The large display allows easy and precise configuration of operating parameters. Built-in Wi-Fi module. For professionals, the H₂D service allows remote monitoring via app or web portal. With DAB live! end users can monitor consumption levels and manage comfort functions. It is also possible to receive alarms via e-mail or app notifications. Sets of up to two pumps can be created.

Operating range

up to 21.1 gpm (4.8 m³/h) head up to 180 ft (55 m)

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

Liquid temperature range from 32°F to +104°F (0°C to +40°C)

Maximum suction depth 26 ft (8 meters)

Maximum ambient temperature +122 °F (+50°C)

Maximum operating pressure 109 psi (7.5 bar)

Motor protection rating IPX4

Insulation class F

Installation horizontal or vertical fixed position

Special versions on request
alternative types of electrical plug



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TECHNICAL DATA

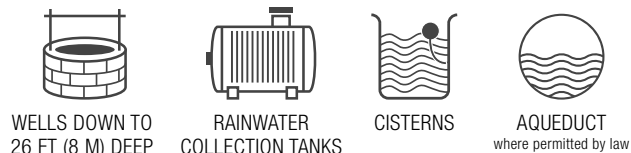
MODEL	CODE	N° IMPELLERS	ELECTRICAL DATA				HYDRAULIC DATA										DNA NPT	DNM NPT
			VOLTAGE* 50 - 60 Hz	P1 MAX		In A	Q=GPM	2.6	5.3	7.9	10.6	13.2	15.8	18.5	21.1			
				KW	HP		Q=l/min	10	20	30	40	50	60	70	80			
ESYBOX MINI 3" DV NPT USA PLUG	60212610	3	1x115-127V ~	0.85	1.1	4.8	H (ft)	180	180	161	128	102	75	46	13	1"	1"	
			1x208-240V~			9.6	H (m)	55	55	49	39	31	23	14	4			

* By replacing the existing NEMA5-15P plug with a NEMA6-15P plug the pump can operate at 1x 208-240 V.

APPLICATIONS



SUITABLE FOR PUMPING WATER FROM:



EsyBox Mini³ Flats up to 3 floors. Refer to the technical catalogue or DNA for correct sizing.

Work just got smarter... and for you home too!

OVERVIEW
H2D shows you your real-time consumption along with device status.

SMART HOME, TALK TO ESYBOX!
You can even ask your voice assistant to activate comfort modes: it's that easy!

POWER SHOWER
Provides a "power shower" by increasing water pressure just for the time it takes to shower.

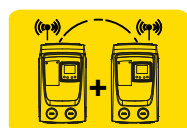
GOOD NIGHT
A useful feature for nighttime, or when taking a quick nap: it switches the already super quiet pump to whisper-quiet operation, further reducing energy usage.

SOUND PRESSURE 45 db(A)**

**17.3 x 10.6 x 9.4 in
44 x 27 x 24 cm**

► HORIZONTAL ► VERTICAL

** Sound pressure measured at a distance of 3 ft (1 m) in free field.



DOUBLES ITS VALUE!

CREATING GROUPS THROUGH WIRELESS:
SERVICE CONTINUITY AND INCREASED PERFORMANCE

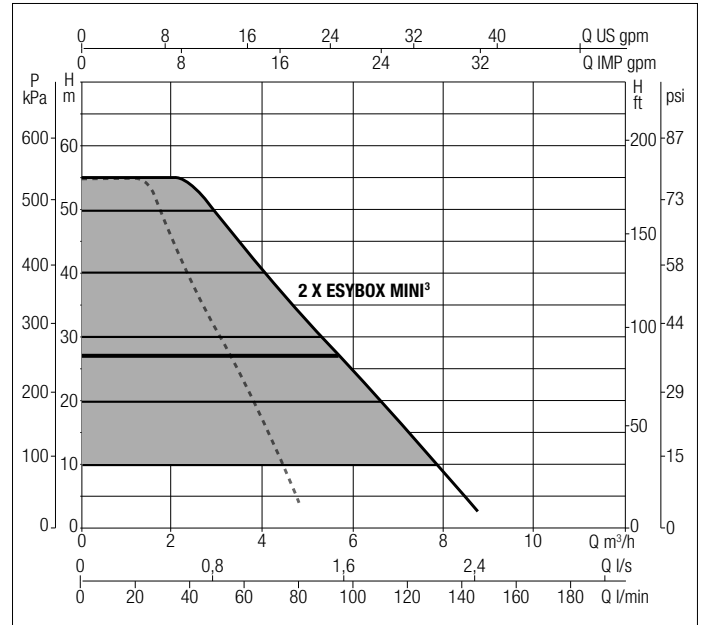
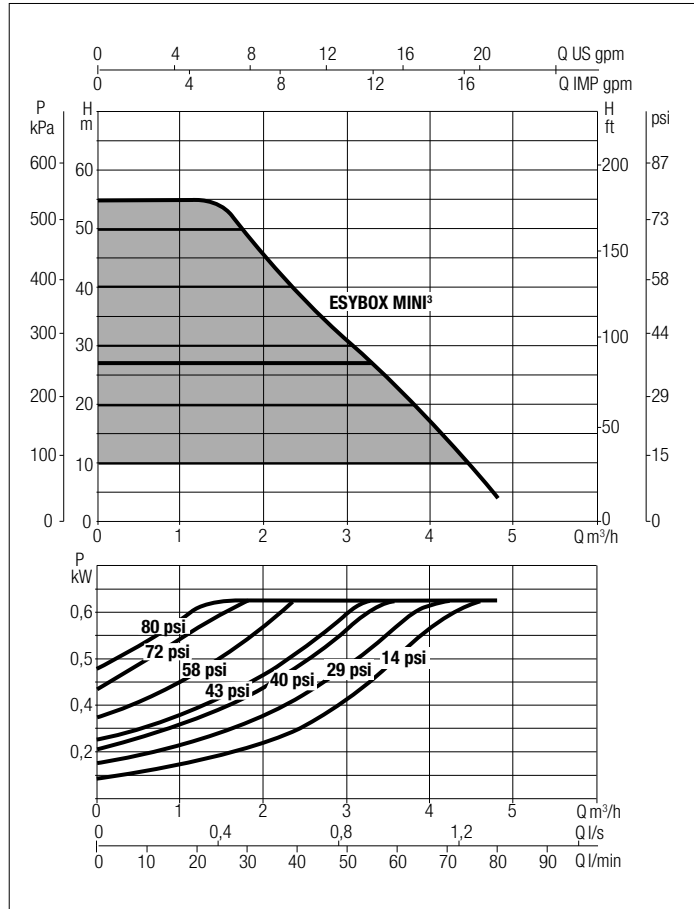
discover esybox LINE



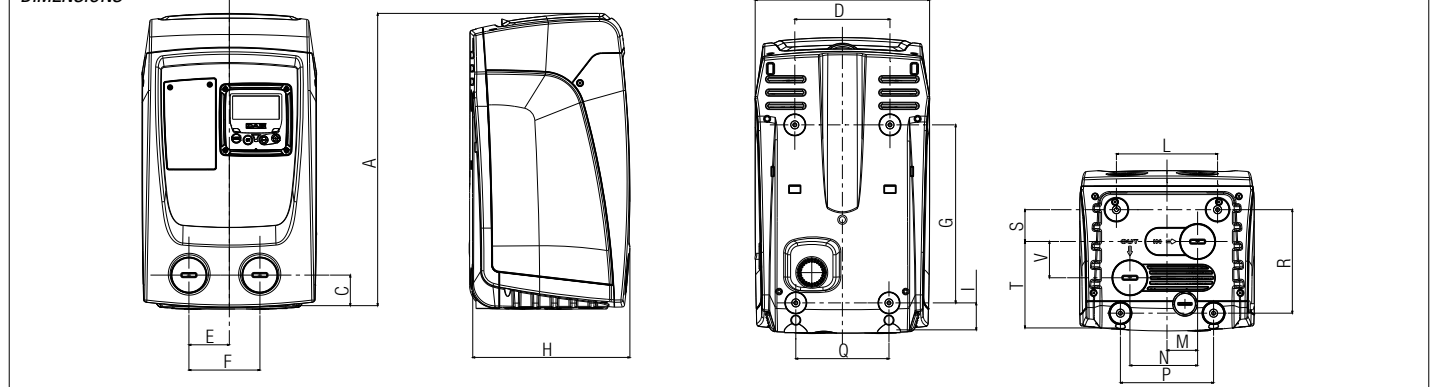
ESYBOX MINI³

ELECTRONIC PRESSURISATION SYSTEM

RANGE PERFORMANCE



DIMENSIONS



DIMENSIONS AND WEIGHTS

MODEL	Units	A	B	C	D	E	F	G	H	I	L	M	N	P	Q	R	S	T	V	DNA	DNM	PACKING DIMENSIONS			WEIGHT	Q.TY x PALLET
																						L/A	L/B	H		
ESYBOX MINI ³ DV NPT	inches	17.3	10.4	1.8	5.6	2.4	4.2	10.5	9.3	1.6	6	1.8	4	5.5	5.5	6.1	1.9	5.1	2.1	1"	1"	11.8	19.7	12.6	32.2 lbs	18
	mm	439	263	46	143	60.7	106.7	267.5	236	40.5	152	46	101.7	140	140	155.5	47.8	130	54.5			300	500	320	14.6 kg	

ESYBOX

ELECTRONIC PRESSURIZATION SYSTEM



+11%
Energy saving



Autoclave system for efficient management of water pressurization in residential and commercial installations for gardening, irrigation or agriculture: it is compact, fully integrated and needs no additional components. Thanks to the variable frequency drive it keeps the water pressure constant regardless of demand and can be used in detached houses and small apartment buildings up to 6 floors and a maximum of 9 flats. With the EsyTwin quick connection station, sets of up to 4 pumps can be easily created. For the same performance, consumption is reduced and the footprint is minimal compared to an equivalent conventional system. The Esytank modular tank 132 or 72 gal (500 or 300 litres), supplied with Esydock, is quickly assembled with Esy-Box. Built-in Wi-Fi module. Control and monitoring is possible with the H₂D platform for display and management of parameters, settings and comfort functions. It is also possible to receive alarms via e-mail or app notifications. The carefully selected materials and the water-cooled motor make the pump particularly quiet (43 dB) and installable even in inhabited rooms. Can be positioned vertically, horizontally or wall-mounted with appropriate accessories (supplied separately). Built-in 0.2 gal (2-litre) expansion tank.

Operating range

flow rate maximum 31.7 GPM (7.2 m³/h); head up to 213 ft (65 m).

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

Maximum liquid temperature 104°F (40°C)

Maximum ambient temperature 122°F (50°C)

Maximum suction depth
self priming up to 26 ft (8 m)

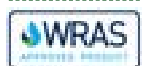
Maximum working pressure 116 psi (8 Bar)

Degree of protection IPX4

Insulation class F

Installation horizontal, vertical or wallmounted position.

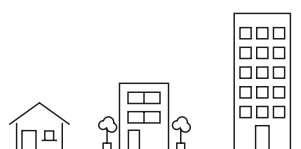
esybox



TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA													
		VOLTAGE 50 - 60 Hz	P1 MAX		I MAX 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		Q=l/min	0	10	20	30	40	50	60	70	80	90	100	110	120
ESYBOX - NPT US PLUG	60212311	1x220-240V ~	1.4	1.9	10	H (ft)	213	208	202	195	187	174	157	136	115	90	62	33	7
						H (m)	65	63.5	61.5	59.5	57	53	48	41.5	35	27.5	19	10	2

APPLICATIONS



SUITABLE FOR PUMPING WATER FROM:



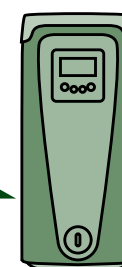
EsyBox

Up to 7 apartments with one bathroom across 3 floors. Indicative data. Refer to the technical catalogue or DNA for correct sizing.



22.4 x 10.6 x 13.8 In
57 x 27 x 35 cm

SOUND
PRESSURE** 43
db(A)



► VERTICAL



► HORIZONTAL

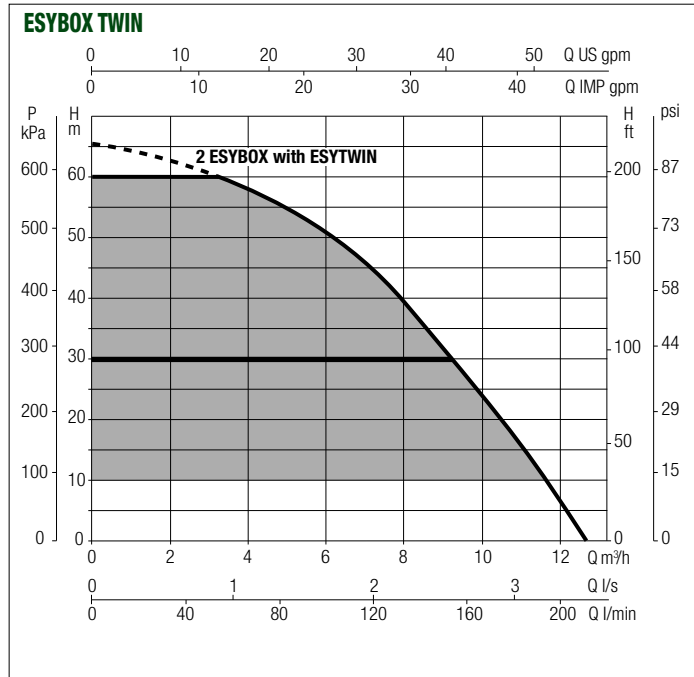
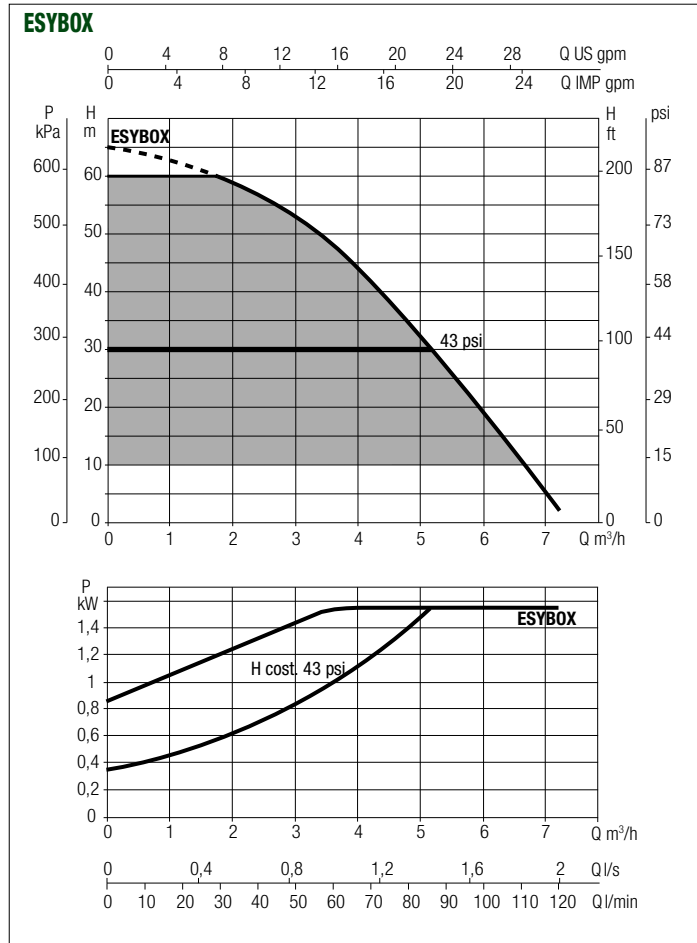
discover esybox LINE



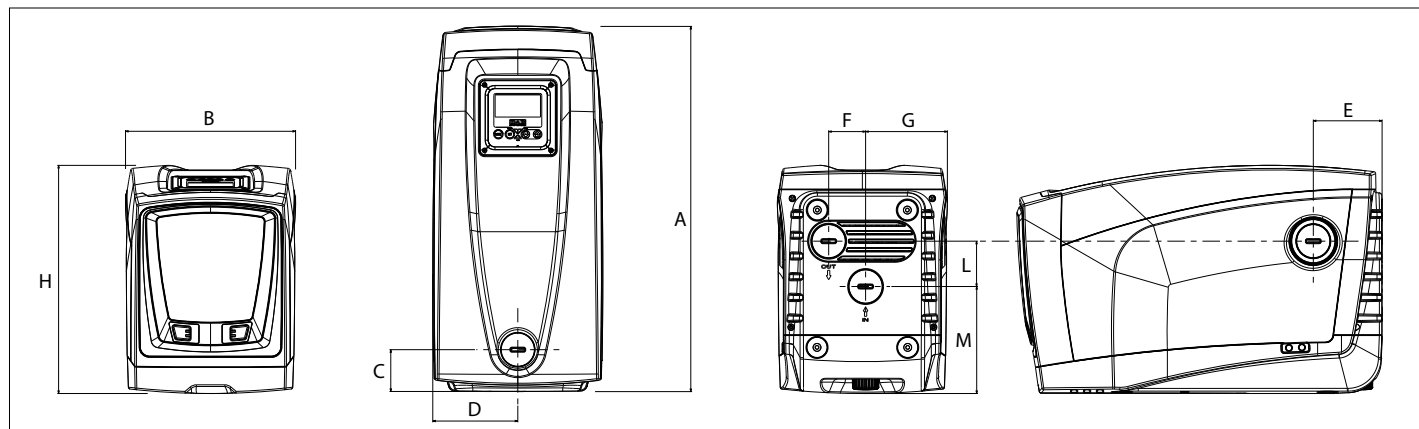
ESYBOX

ELECTRONIC PRESSURIZATION SYSTEM

RANGE PERFORMANCE



DIMENSIONS AND WEIGHTS



MODEL	UNITS	A	B	C	D	E	F	G	H	L	M	DNA F NPT	DNM F NPT	PACKING DIMENSIONS			WEIGHT	Q.TY x PALLET
														L/A	L/B	H		
ESYBOX - NPT	inches	22.2	10.4	2.6	5.2	4.2	2.2	5	14.3	2.8	6.5	1"	1"	27	14.2	19.3	59.5 lbs	6
	mm	564	263	65	131.5	106	57	126.2	362	70	165.2			685	360	490	27 kg	

ESYBOX DIVER

7" MULTISTAGE SUBMERSIBLE PUMPS WITH VARIABLE FREQUENCY DRIVE



Electronic multi-impeller submersible 7 inch variable frequency drive-controlled pump for clean water, designed for use in pits, cisterns or tanks. Can be used submerged, partially submerged or on the surface (with the appropriate accessory supplied separately).

Suitable for pressurization, rainwater reuse, gardening and irrigation in domestic and residential installations. Built-in variable frequency drive-controlled electronics for operation according to demand, a non-return valve and a stainless steel carry handle. Electronic operation also protects against running dry and the variable frequency drive saves energy. The innovative design means that the hydraulics, motor, electric and filter can be dismantled separately, making maintenance much easier. The suction height is adjustable from the bottom to 3 inch (8 cm). A float and a level sensor can be connected without compromising the watertightness of the pump thanks to the NFC (Near Field Communication) pocket. Built-in 0.04-litre expansion tank with no need for maintenance or refilling. 49 ft (15-metre) power cable with plug. Includes the DConnect Box 2. Control and monitoring is possible with the H₂D platform for display and management of parameters, settings and comfort functions. It is also possible to receive alarms via e-mail or app notifications.

Also available in X version with 1" inlet and X kit including 3.3 ft (1 metre) suction hose and float to prevent suction of impurities from the bottom. The entire pump is rated IP68. With the DOC68 accessory (supplied separately), it becomes an IP68 surface pump to be used under head.

* Certified drinking water version available on request.

Operating range

flow rate up to 31.7 GPM (7.2 m³/h) head up to 180 ft (55 m)

Type of pumped liquid clean, free of solid or abrasive substances, non-viscous, nonaggressive, non-crystallised and chemically neutral

Liquid temperature range

+32°F to +122°F (0°C to +50°C)

Maximum immersion depth

39 ft (12 m) standard version

Maximum suction depth

15 m

Pump protection degree

IP68

Thermal classification of motor insulation

F

Free passage

0.1 in (2 mm)

Set cut-in

35 psi (+-3) 2.4 bar (+-0.2)

Delivery flanging or threading

threaded 1" 1/4

Power cable

49 ft (15 m) with plug

Maximum pump diameter

7.3 in (185 mm)

Possible type of installation fixed, horizontal or vertical. Submerged or semi-submerged.

Surface, under head installation in vertical position is possible with external accessory DOC68 (supplied separately)

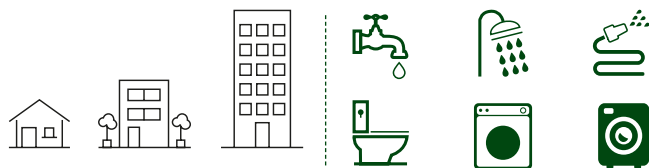
esybox DIVER



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	
				kW	HP		Q=l/min	0	10	20	30	40	50	60	70	80	90	100	110	117	
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	2.1	
							H (m)	55	55	55	55	55	55	53	44	34	26	17	7.5	0.64	
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	2.1	
							H (m)	55	55	55	55	55	55	53	44	34	26	17	7.5	0.64	

APPLICATIONS



SUITABLE FOR PUMPING WATER FROM:



EsyBox Diver

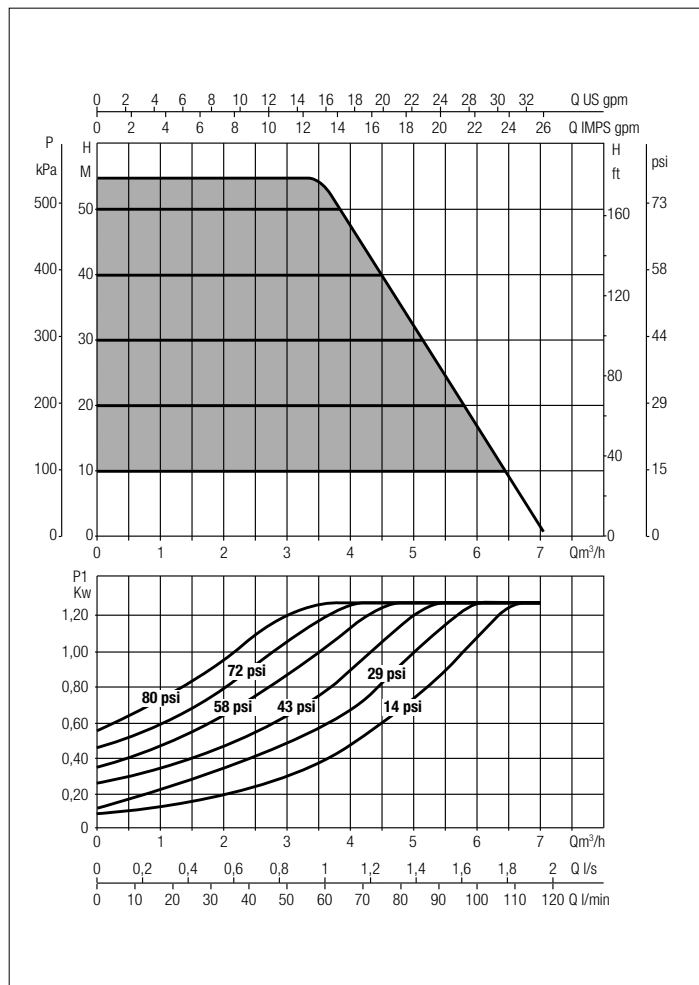
Up to 7 apartments with one bathroom across 3 floors.
Indicative data. Refer to the technical catalogue or DNA for correct sizing.



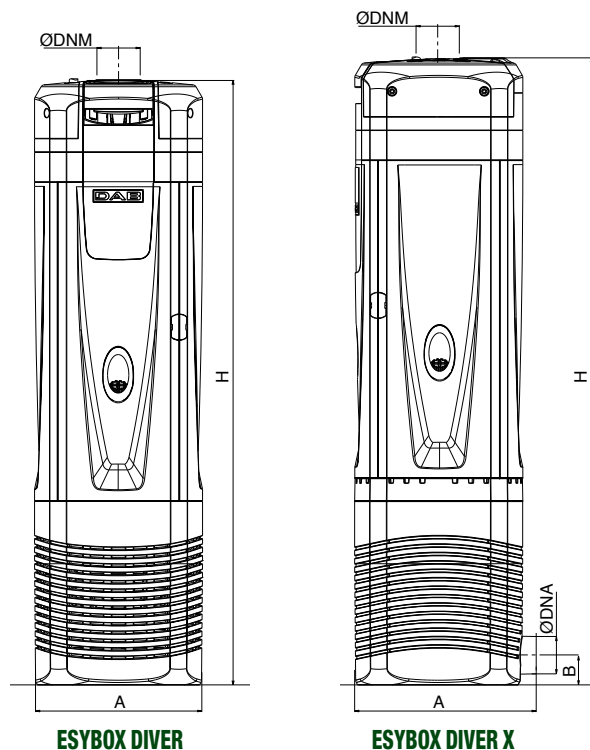
ESYBOX DIVER

7" MULTISTAGE SUBMERSIBLE PUMPS WITH VARIABLE FREQUENCY DRIVE

RANGE PERFORMANCE



DIMENSIONS



DIMENSIONS AND WEIGHTS

MODEL	Units	A	B	H	Ø DNM NPT	Ø DNA NPT	PACKING DIMENSIONS			PACKING VOLUME	Q.TY X PALLET	WEIGHT
							L/A	L/B	H			
ESYBOX DIVER	Inches	7.3	-	25.6	1" 1/4	-	29.1	9.1	11.8	1.8 ft³	15	37.5 lbs
	mm	185		651			740	230	300	0.05106 m³		17 kg
ESYBOX DIVER X	Inches	7.7	1.3	26.6	1" 1/4	1"	30.7	9.1	11.8	1.9 ft³	15	37.5 lbs
	mm	195	32	676			780	230	300	0.0538 m³		17 kg

esybox MAX

The most compact and integrated booster set available on the market compared with any traditional solution



REMOTE MONITORING
via web portal
and H₂D app



ESYBOXLINE.COM

DAB
MAKING WATER EASY

ESYBOX MAX

ELECTRONIC BOOSTER SET



esybox max

Integrated pumping system for civil and commercial pressurization. Available in three power sizes, the system consists of **modular elements** that allow different configurations: single, double, triple or quadruple (using an accessory kit for connecting two double bases), so as to cover the needs of medium/large apartment blocks and tall buildings (even over 14 floors). Each unit consists of the hydraulic connection base and the pumping unit, which includes an electronic vertical multi-impeller pump, display, Wi-Fi module, pressure sensors, delivery non-return valve and expansion tank, **all integrated**.

The innovative support base of the pumping unit and wireless communication between the pumps allow **the unit to be built directly at the installation site (O.S.A. concept)** even by just one person. The variable frequency drive keeps the pressure constant by varying the motor speed according to demand, and thanks to the water-cooled permanent magnet motor, it enables greater efficiency and energy savings. The large display allows easy configuration of operating parameters with the possibility of viewing them on a smartphone: control and monitoring is possible with the H₂D app and web portal for display and management of parameters, settings and comfort functions. It is also possible to receive alarms via e-mail or app notifications. The expansion module (Esy I/O, available as an accessory) means Esy-Box Max can interface with BMS.

Operating range up to 17.4 m³/h (single pump); head up to 96 m.

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

Liquid temperature +33.8°F (50°C)

Maximum room temperature +131°F (55°C)

Maximum inlet pressure 73 psi (5 Bar)

Nominal pressure 174 psi (12 bar)

Maximum differential pressure 97 psi (6,7 Bar) (60/120); 83 psi (5,7 Bar) (45/120)

Pressure regulation range 15-174 psi (1-12 Bar)

Maximum suction height 13 ft (4 m) (with foot valve)

Motor protection degree IPX5

Insulation class F

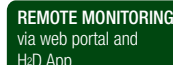
Impeller construction material technopolymer with stainless steel shim rings

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

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

Type of installation fixed, vertical

Certification Approved to NSF61, WRAS, ACS, NSF 372, CSA & UL.



TECHNICAL DATA

MODEL (only pump unit)	CODE
ESYBOX MAX 45/120 M CSA	60217370
ESYBOX MAX 60/120 M CSA	60207561
ESYBOX MAX 60/120 T CSA	60232078
ESYBOX MAX 85/120 T	60232079

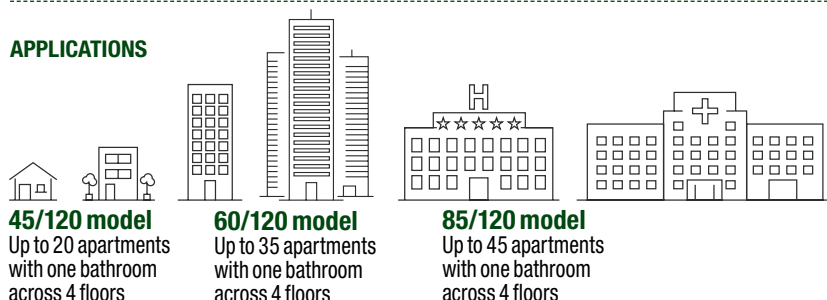
ELECTRICAL DATA						DNA NPT	DNM NPT	WEIGHT	Q.TY x PALLET
N° IMPELLERS	VOLTAGE 50 - 60 Hz	P1 MAX		In A	SET POINT				
		kW	HP						
3	1x208-240 V ~	1.97	2.68	9.4	1-12	1"1/4 / 2"	1"1/4 / 2"	66.1 lbs 30 kg	6
3	1x208-240 V ~	2.68	3.6	12.5-11.5	1-12	1"1/4 / 2"	1"1/4 / 2"	66.1 lbs 30 kg	6
3	3X575-600 V ~	2.75	3.68	2.9	1-12	1"1/4 / 2"	1"1/4 / 2"	66.1 lbs 30 kg	6
4	3X575-600 V ~	3.59	4.81	3.8	1-12	1"1/4 / 2"	1"1/4 / 2"	66.1 lbs 30 kg	6

MODEL	CODE
ESYDOCK MAX NPT	60199045
2 ESYDOCK MAX NPT	60199055
3 ESYDOCK MAX NPT	60199056

WEIGHT	Q.TY x PALLET
19.8 lbs 9 kg	12
39.7 lbs 18 kg	6
59.5 lbs 27 kg	3



APPLICATIONS



45/120 model
Up to 20 apartments
with one bathroom
across 4 floors

60/120 model
Up to 35 apartments
with one bathroom
across 4 floors

85/120 model
Up to 45 apartments
with one bathroom
across 4 floors

Indicative data. Refer to the technical catalogue or DNA for correct sizing.

**SUITABLE FOR
PUMPING WATER FROM:
NO SELF-PRIMING**



CISTERN



MUNICIPAL
WATER SUPPLY
where permitted by law

discover



esybox LINE

ESYBOX MAX

ELECTRONIC BOOSTER SET

Efficiency at the state of the art

The DAB inverter has been combined with a brand new permanent magnet motor. We also designed completely new hydraulics, making it leap ahead in terms of energy efficiency.

20% 
Energy Saving

What about logistics

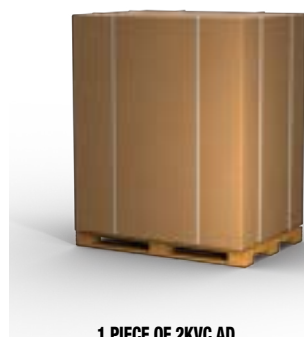
EsyBox Max will improve the storage efficiency in your warehouse.

Where there was once one booster occupying space, you can now fit three in its place, that's three times more efficient!

This allows you to store the full range on one pallet, meaning your customer can pick up an off the shelf booster solution of up to 4 pumps the same day.



That's efficient!



1 PIECE OF 2KVC AD



6 PIECES OF ESYBOX MAX
+
3 PIECES OF 2ESYDOCK MAX



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 H₂D app completes your installation project.



ESYBOX MAX

ELECTRONIC BOOSTER SET



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.



Affordable web based remote control for your installation

You can use your smartphone to connect directly with the pump using the simple interface. It will automatically detect the language, time and unit of measurement at the installation site, which will save you time during the first set up of the system.

All adjustments are possible remotely allowing total control with no unwanted surprises. H₂D makes monitoring DAB products easy and intuitive with email and App notifications in case of alarms.



ESYBOX MAX

ELECTRONIC BOOSTER SET

CONFIGURATION TABLE

GROUP TOTAL (PUMP UNIT + DOCK)	PUMP UNIT			DOCK		
	MODEL	CODE	Q.TY PUMP UNIT	MODEL	CODE	Q.TY DOCK
 esybox max	ESYBOX MAX 45/120 M	60217370	1 PUMP UNIT 	ESYDOCK MAX	60199045	1 DOCK 
	ESYBOX MAX 60/120 M	60207561				
	ESYBOX MAX 60/120 T	60232078				
	ESYBOX MAX 85/120 T	60232079				
 2 esybox max *	ESYBOX MAX 45/120 M	60217370	2 PUMP UNITS 	2 ESYDOCK MAX	60199055	1 DOCK 
	ESYBOX MAX 60/120 M	60207561				
	ESYBOX MAX 60/120 T	60232078				
	ESYBOX MAX 85/120 T	60232079				
 3 esybox max	ESYBOX MAX 45/120 M	60217370	3 PUMP UNITS 	3 ESYDOCK MAX	60199056	1 DOCK 
	ESYBOX MAX 60/120 M	60207561				
	ESYBOX MAX 60/120 T	60232078				
	ESYBOX MAX 85/120 T	60232079				

* With 2 Units of 2 EsyBox Max with the JOINT KIT you obtain the 4 pump units group.

**DIMENSIONS
(PUMP UNIT + DOCK)**
30.3 x 15 x 15 in
77 x 38 x 38 cm

**SOUND
PRESSURE**** **63**
db(A)





esybox max

**DIMENSIONS
(PUMP UNIT + DOCK)**
30.3 x 31.9 x 15 in
77 x 81 x 38 cm





2 esybox max *

**DIMENSIONS
(PUMP UNIT + DOCK)**
30.3 x 49.2 x 15 in
77 x 125 x 38 cm





3 esybox max *

DIMENSIONS (ONLY DOCK)
9.1 x 15 x 15 in
23 x 38 x 38 cm

DIMENSIONS (ONLY DOCK)
9.1 x 31.9 x 15 in
23 x 81 x 38 cm

DIMENSIONS (ONLY DOCK)
9.1 x 49.2 x 15 in
23 x 125 x 38 cm

* To configure the 2/3/4 EsyBox Max version you can combine the control panel and the pillar kit to facilitate the electrical sectioning of the pumps.

** Sound pressure measured at 3 ft (1 m) distance in free field. 13.2 gpm (50 l/min) and 87 psi (6 Bar).

ESYBOX MAX

ELECTRONIC BOOSTER SET

RANGE PERFORMANCE

MODEL	Q=gpm	0.1	10.6	15.9	21.1	26.4	31.7	37	39.6	42.3	47.6	50.2	63.4	76.6
	Q=m³/h	0.012	2.4	3.6	4.8	6	7.2	8.4	9	9.6	10.8	11.4	14.4	17.4
	Q=l/min	0.2	40	60	80	100	120	140	150	160	180	190	240	290
ESYBOX MAX 45/120 M	H (ft)	190	190	190	190	171	148	126	116	106	85	75	23	-
	H (mt)	58	58	58	58	52	45	38.5	35.5	32.3	26	23	7	-
ESYBOX MAX 60/120 M / T	H (ft)	226	226	226	226	226	200	174	164	153	133	122	69	13
	H (mt)	69	69	69	69	69	61	53	50	46.5	40.5	37.2	21	3.9
ESYBOX MAX 85/120 T	H (ft)	315	315	315	315	315	276	246	233	213	186	169	95	30
	H (mt)	96	96	96	96	96	84	75	71	65	56.7	51.6	29	9

MODEL	Q=gpm	0.1	21.1	31.7	42.3	52.8	63.4	74	79.3	84.5	95.1	100.4	126.8	153.2
	Q=m³/h	0.024	4.8	7.2	9.6	12	14.4	16.8	18	19.2	21.6	22.8	28.8	34.8
	Q=l/min	0.4	80	120	160	200	240	280	300	320	360	380	480	580
2 ESYBOX MAX 45/120 M	H (ft)	190	190	190	190	171	148	126	116	106	85	75	23	-
	H (mt)	58	58	58	58	52	45	38.5	35.5	32.3	26	23	7	-
2 ESYBOX MAX 60/120 M / T	H (ft)	226	226	226	226	226	200	174	164	153	133	122	69	13
	H (mt)	69	69	69	69	69	61	53	50	46.5	40.5	37.2	21	3.9
2 ESYBOX MAX 85/120 T	H (ft)	315	315	315	315	315	276	246	233	213	186	169	95	30
	H (mt)	96	96	96	96	96	84	75	71	65	56.7	51.6	29	9

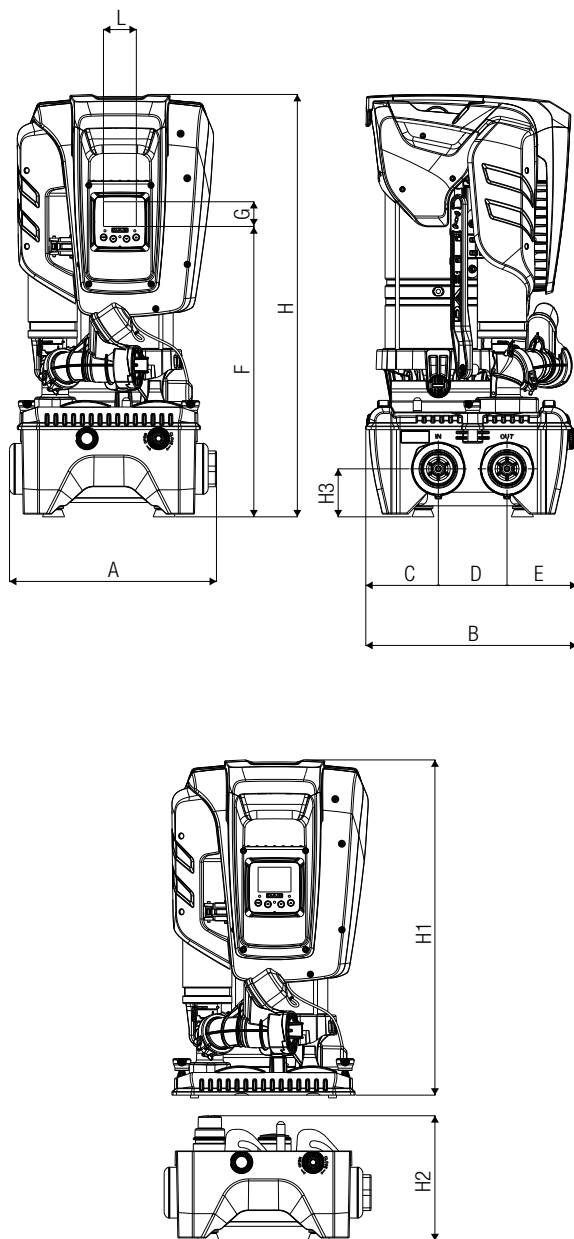
MODEL	Q=gpm	0.2	31.7	47.6	63.4	79.3	95.1	111	118.9	126.8	142.7	150.6	190.2	229.8
	Q=m³/h	0.036	7.2	10.8	14.4	18	21.6	25.2	27	28.8	32.4	34.2	43.2	52.2
	Q=l/min	0.6	120	180	240	300	360	420	450	480	540	570	720	870
3 ESYBOX MAX 45/120 M	H (ft)	190	190	190	190	171	148	126	116	106	85	75	23	-
	H (mt)	58	58	58	58	52	45	38.5	35.5	32.3	26	23	7	-
3 ESYBOX MAX 60/120 M / T	H (ft)	226	226	226	226	226	200	174	164	153	133	122	69	13
	H (mt)	69	69	69	69	69	61	53	50	46.5	40.5	37.2	21	3.9
3 ESYBOX MAX 85/120 T	H (ft)	315	315	315	315	315	276	246	233	213	186	169	95	30
	H (mt)	96	96	96	96	96	84	75	71	65	56.7	51.6	29	9

ESYBOX MAX

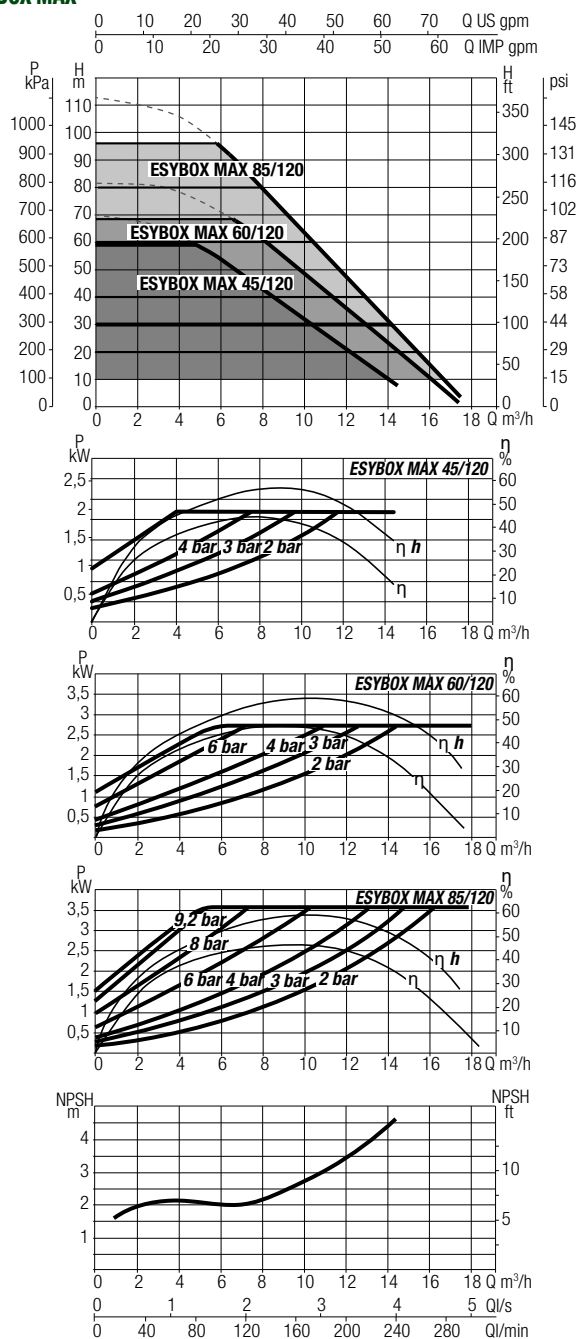
ELECTRONIC BOOSTER SET

ESYBOX MAX

DIMENSIONS



ESYBOX MAX



η: total efficiency - ηh: hydraulic efficiency (pump)

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

DIMENSIONS

MODEL	Units	A	B	C	D	E	F	G	H	H1	H2	H3	L	DNA	DNM	PACKING DIMENSIONS*			WEIGHT* PUMP UNIT	PACKING DIMENSIONS			DOCK WEIGHT	Q.TY X PALLET
																PUMP UNIT				DOCK				
																L/A	L/B	H		L/A	L/B	H		
ESYBOX MAX	inches	14.8	15.1	5.2	4.9	5	20.7	1.8	30.2	24.1	9	3.4	2.3	1"1/4 - 2"	1"1/4 - 2"	15.7	15	31.5	66.1 lbs	15.7	15.7	9.8	19.8	6
	mm	375	384	131.8	124.5	127.7	526	45	766	613	228	87	59.5			400	380	800	30 kg	400	400	250	9	

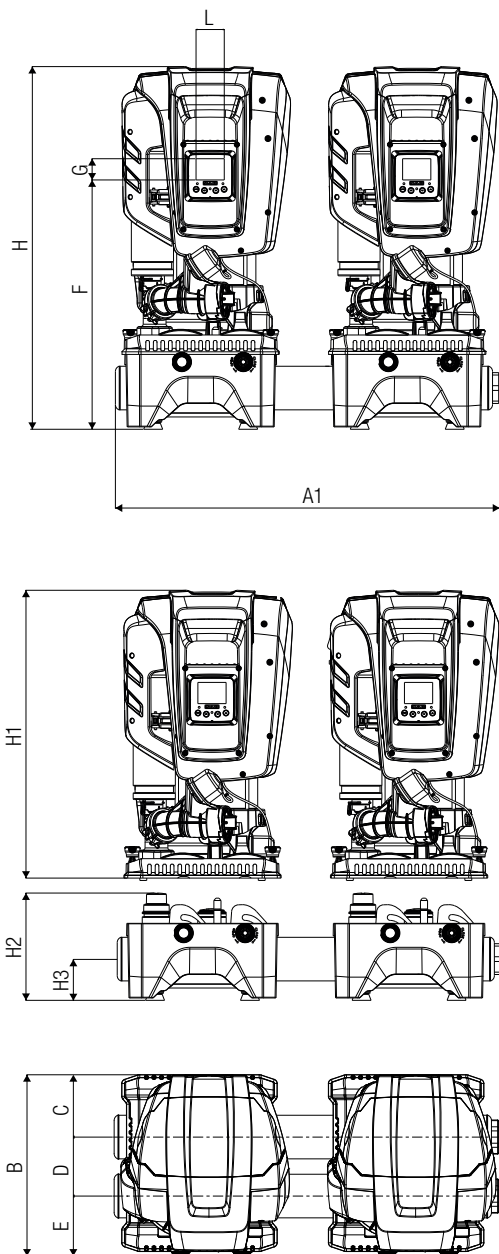
* Weights and packaging dimensions refer to a pump unit.

ESYBOX MAX

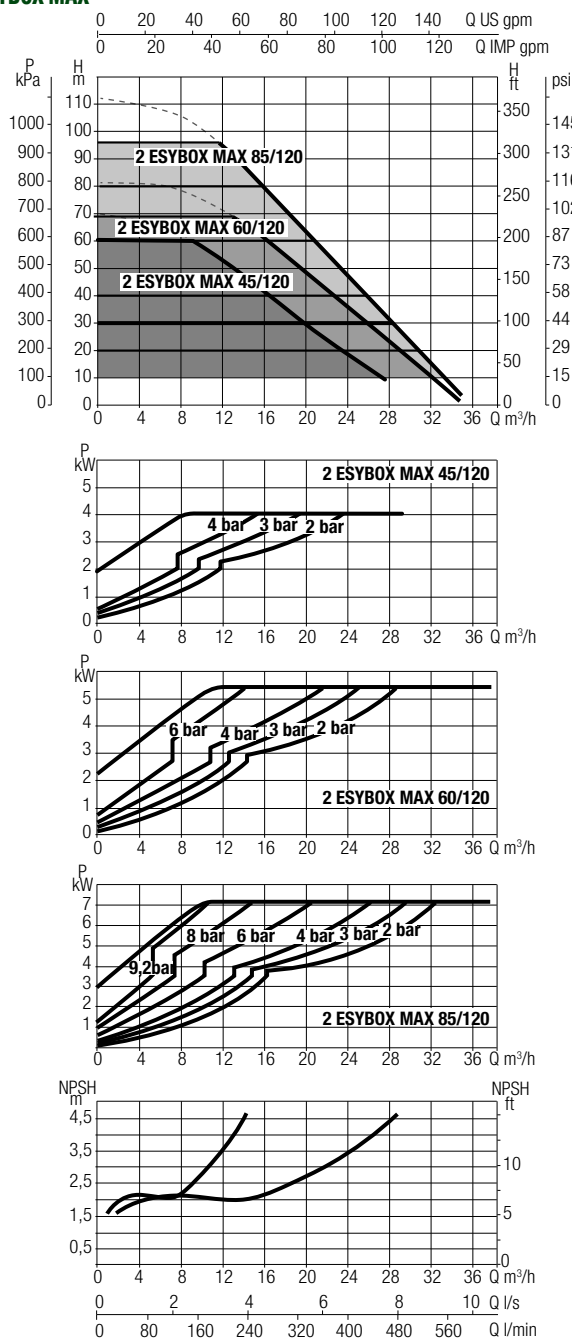
ELECTRONIC BOOSTER SET

2 ESYBOX MAX

DIMENSIONS



2 ESYBOX MAX



DIMENSIONS

MODEL	Units	A	B	C	D	E	F	G	H	H1	H2	H3	H4**	L	DNA	DNM	PACKING DIMENSIONS*			WEIGHT* PUMP UNIT	PACKING DIMENSIONS DOCK			DOCK WEIGHT	Q.TY X PALLET
																	PUMP UNIT				DOCK				
																	L/A	L/B	H		L/A	L/B	H		
2 ESYBOX MAX	inches	31.9	15.1	5.2	4.9	5	20.7	1.8	30.2	24.1	9	3.4	46.1	2.3	2"	2"	15.7	15	31.5	66.1 lbs	35.4	15.7	9.8	39.7	6
	mm	811	384	131.8	124.5	127.7	526	45	766	613	228	87	1172	59.5			400	380	800	30 kg	900	400	250	18	

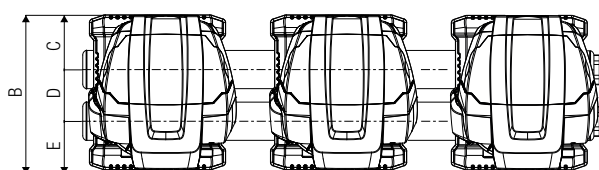
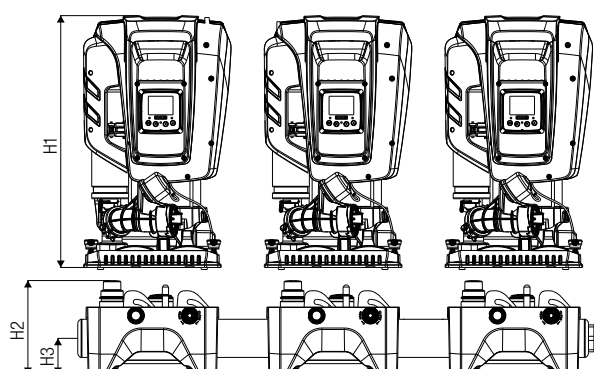
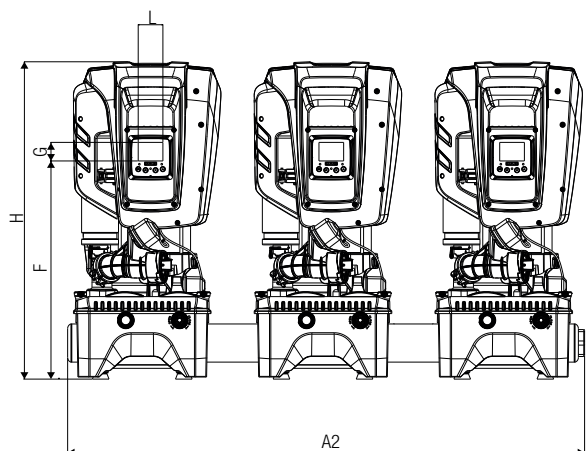
* Weights and packaging dimensions refer to a pump unit.

ESYBOX MAX

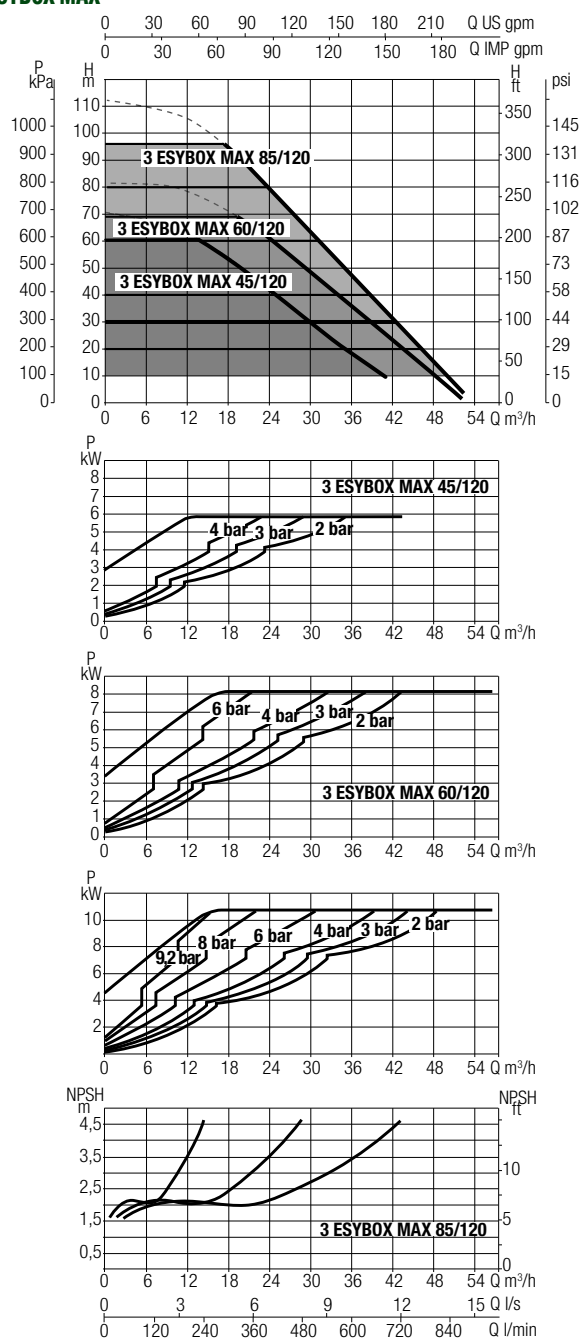
ELECTRONIC BOOSTER SET

3 ESYBOX MAX

DIMENSIONS



3 ESYBOX MAX



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

DIMENSIONS

MODEL	Units	A	B	C	D	E	F	G	H	H1	H2	H3	H4**	L	DNA	DNM	PACKING DIMENSIONS*			WEIGHT* PUMP UNIT	PACKING DIMENSIONS DOCK			DOCK WEIGHT	Q.TY X PALLET
																	PUMP UNIT				DOCK				
																	L/A	L/B	H	L/A	L/B	H			
3 ESYBOX MAX	inches	49.2	15.1	5.2	4.9	5	20.7	1.8	30.2	24.1	9	3.4	45.6	2.3	2"	2"	15.7	15	31.5	66.1 lbs	49.2	15.7	9.8	59.5	6
	mm	1250	384	131.8	124.5	127.7	526	45	766	613	228	87	1158	59.5			400	380	800	30 kg	1250	400	250	27	

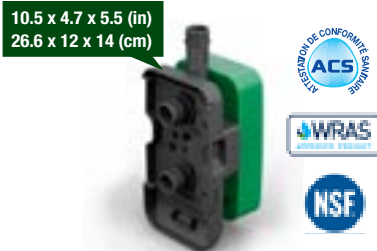
* Weights and packaging dimensions refer to a pump unit.

ACCESSORIES ESYBOX LINE

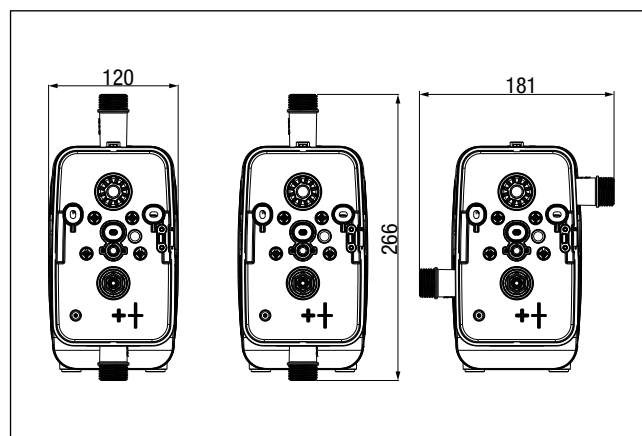
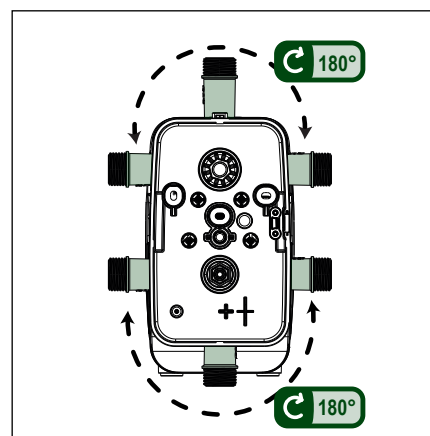
ESYBOX LINE - ACCESSORIES

ESYBOX POP

	DESCRIPTION	CODE
	NEW ESYWALL POP Complete wall-mounting kit including bracket, screws, and wall plugs.	60217717

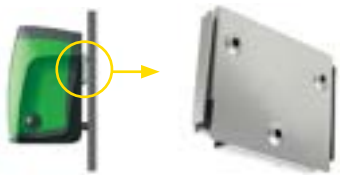
	DESCRIPTION	CODE
	NEW ESYDOCK POP With 4 hydraulic configuration options, it offers even faster, easier and more flexible installation. Comes complete with all the necessary interfaces for connection to the system. Includes wall-mounting kit and bypass connection.	60220473

POSSIBILITY OF INSTALLATION WITH ESYDOCK POP



ESYBOX LINE - ACCESSORIES

ESYBOX MINI³

	DESCRIPTION	CODE
 ALSO SUITABLE FOR ESYBOX MINI³	ESYWALL Kit complete with brackets, screws, dowels and two accessories for absorption of vibrations.	60161442
 30.5 x 7.7 x 10.6 (in) 77.5 x 19.6 x 26.9 (cm)	ESYTWIN MINI Quick connection dock for 2 pumps with 4 different hydraulic combinations.	60218780

KIT OUTDOOR	MODEL	CODE
	ESYCOVER KIT OUTDOOR ESYBOX MINI³ Esycover allows the installation of ESYBOX MINI³ outside, protecting it from rain. Vertical installation only.	60203671

ESYCOVER
OUTSIDE INSTALLATION



esygrid
INSECT GRILLS

ESYBOX LINE - ACCESSORIES

ESYBOX MINI³

	DESCRIPTION	CODE
 * EskyBox Mini³ not to included with Eskytank 500 Mini	ESYTANK 500 MINI Specially designed tank to better integrate with EskyBox Mini³ and equipped with: - EskyDock (special version) for quick connection - suction pipe with foot valve - filling valve from water mains with float switch - overflow - delivery connection - provision for ground fixing - inspection cap 500 L capacity with possibility of expansion on 3 sides.	60219002
	NEW OPTIONAL CISTERNS FOR ESYTANK The Eskytank OPTIONAL CISTERN is supplied without fittings and with provision for the quick connection of the Eskybox. The cistern easily couples with other Eskytank cisterns making the system expandable to the required capacity. Can be connected on three sides (side and rear) via the Eskytank CISTERN COUPLING KIT.	60166063
	NEW ESYTANK COUPLING KIT The Eskytank cistern coupling kit consists of a PVC sleeve with seal (D.160 mm L=150), two PVC alignment pipes (D.50mm x L=60) and connection ring for 2-pump option. It makes it possible to connect several Eskytanks or connect Eskytank to Eskytank auxiliary cisterns.	60166008
	NEW KIT PIPE UNION 3PCS MF 1" NPT WITH O-RING SEAT	60220601
	KIT MAINTENANCE TOOL KIT MAINTENANCE TOOL ESYBOX MINI³ - USA for Union kit	60209198

ESYBOX LINE - ACCESSORIES

ESYBOX

	DESCRIPTION	CODE
  C US Drinking Water NSF/ANSI 61 9.1 x 29.5 x 13.8 (in) 23.1 x 74.9 x 35.1 (cm)	ESYTWIN Esytwinn is the evolution of Esydock, of which maintains all the benefits, for the creation of two groups of pumps. Esytwinn offers exceptional performance thanks to possibility of combined operation with a reduced size of 50% compared to any other equivalent traditional system.	60162081

KIT OUTDOOR	MODEL	CODE
	ESYCOVER KIT OUTDOOR ESYBOX Esycover allows the installation of ESYBOX outside, protecting it from rain. Vertical installation only.	60203667

ESYCOVER
OUTSIDE INSTALLATION



ESYGRID
INSECT GRILLS

ESYBOX LINE - ACCESSORIES

ESYBOX

	DESCRIPTION	CODE
Esybox not included.  65.4 x 34.3 x 23.6 (in) 166 x 87.1 x 59.9 (cm)	ESYTANK Tank specially studied to better integrate with Esybox and equipped with: • Esydock (specially version) for quick connection. • Suction hose with foot valve • Filling valve from the water supply with float • Overflow • Flow connection • Preparation for ground mounting • Inspection plug Capacity 500 L with the possibility of expansion on 3 sides.	60161819
	NEW OPTIONAL CISTERNS FOR ESYTANK The Esytank OPTIONAL CISTERN is supplied without fittings and with provision for the quick connection of the Esybox. The cistern easily couples with other Esytank cisterns making the system expandable to the required capacity. Can be connected on three sides (side and rear) via the Esytank CISTERN COUPLING KIT.	60166063
	NEW ESYTANK COUPLING KIT The Esytank cistern coupling kit consists of a PVC sleeve with seal (D.160 mm L=150), two PVC alignment pipes (D.50mm x L=60) and connection ring for 2-pump option. It makes it possible to connect several Esytanks or connect Esytank to Esytank auxiliary cisterns.	60166008
	NEW KIT PIPE UNION 3PCS MF 1" NPT WITH O-RING SEAT	60220601
	NEW ESY I/O - V2 The electronic expansion module allows EsyBox to connect externally via analog, digital or Modbus protocol.	60219995

ESYBOX LINE - ACCESSORIES

ESYBOX DIVER

	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 Esybox 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 EsyBox Diver even outdoors as an IP68 certified surface pump.	60192276

ESYBOX LINE - ACCESSORIES

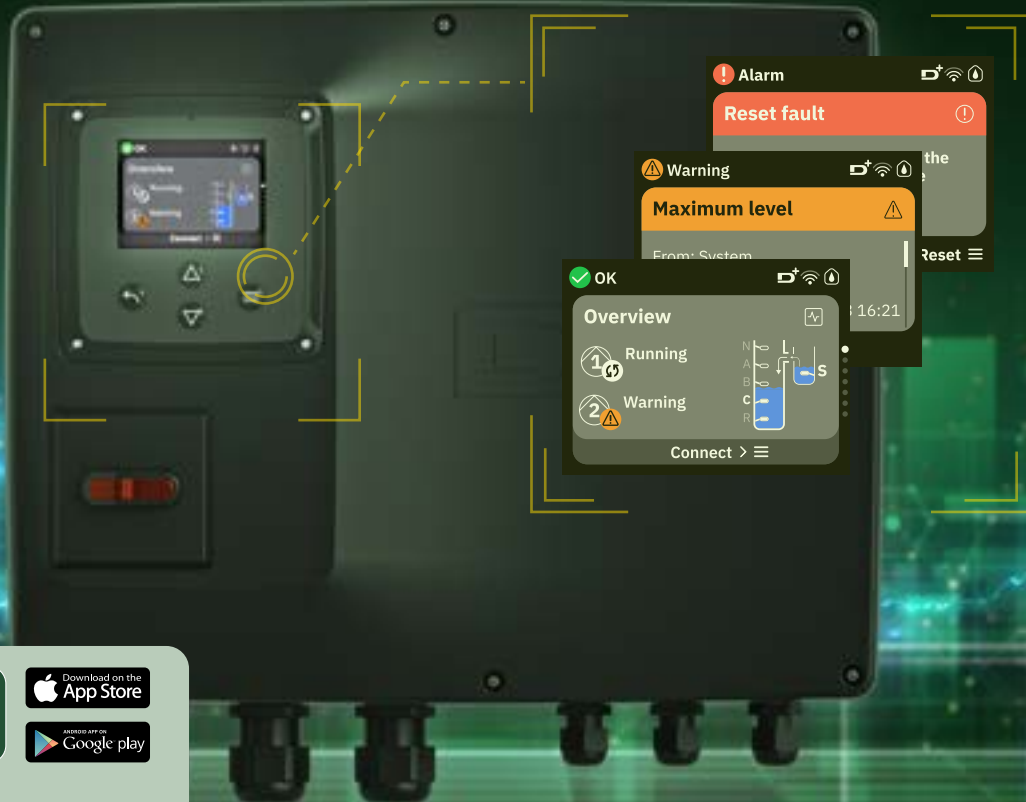
ESYBOX MAX

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

NOTES

ngpanel

THE NEXT GENERATION CONTROL PANEL
TO MANAGE DRAINAGE AND FILLING PUMPS



Download on the
App Store

ANDROID APP ON
Google play

DAB'S DIGITAL SOLUTION
ARE EVOLVING!



DABPUMPS.COM

DAB
WATER • TECHNOLOGY



NGPANEL
ELECTRONIC PROTECTION AND CONTROL PANEL

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ACCESSORIES

PAGE 49

NGPANEL

ELECTRONIC PROTECTION AND CONTROL PANEL



ngpanel

Electrical control panel for the protection and automatic operation of one or two submersible pumps, both single-phase and three-phase, in residential, commercial and livestock installations.

Thanks to the possibility of current adjustment, the panel is compatible with all pump models supplied with current between 1 and 29 A as shown in the product compatibility table.

A wizard on the display or other connected devices enables pump start-up in just a few steps.

All configuration, control and alarm display is also done directly on a smartphone via the app, or on a web portal from a PC, via H2D App and web portal platform digital services.

Built-in Bluetooth and Wi-Fi connectivity. Modbus support. In the absence of a Wi-Fi connection, a USB Wi-Fi modem can be used, powering it directly from the dedicated USB port inside the panel.

Single-phase power supply 1x120, 208, 240 V

Three-phase power supply

3x208, 240, 460, 575 V

Protection degree IP55

Maximum ambient temperature

-14 F (10°C) +122 F (50°C)

Starting capacitor

supplied as accessory KIT

Max altitude

3.281 ft (1000 m) a.s.l.

Communication protocols

RS485 MODBUS RTU

Built-in connectivity

WIFI - BLUETOOTH



H2D
PAGE 4

ACCESSORIES
PAGE 49

MODEL	CODE	POWER SUPPLY 60 Hz	START-UP	MAXIMUM CURRENT SINGLE PUMP A
NGPANEL 1P 29A	60215070	1 x 120 V - 1 x 208 V - 1 x 240 V	DIRECT	29
		3 x 208 V - 3 x 240 V - 3 x 460 V		12
		3 x 575 V		8
NGPANEL 2P 20A	60215067	1 x 120 V - 1 x 208 V - 1 x 240 V	DIRECT	20
		3 x 208 V - 3 x 240 V - 3 x 460 V		12
		3 x 575 V		8
NGPANEL 2P 12A	60215065	1 x 120 V - 1 x 208 V - 1 x 240 V	DIRECT	12
		3 x 208 V - 3 x 240 V - 3 x 460 V		12
		3 x 575 V		8

DAB SMART SYSTEM

NgPanel used in conjunction with **DAB Virtual Cockpit** and **H2D**, it takes user experience to the next level, providing pump control from any location, optimising the relevant procedure, which becomes extremely simple, intuitive and effective: this means fast setup, direct status monitoring, and immediate alarm warnings on screen.

Connected to the internet, **NgPanel** harnesses all its potential for increasingly flexible, smarter system control.



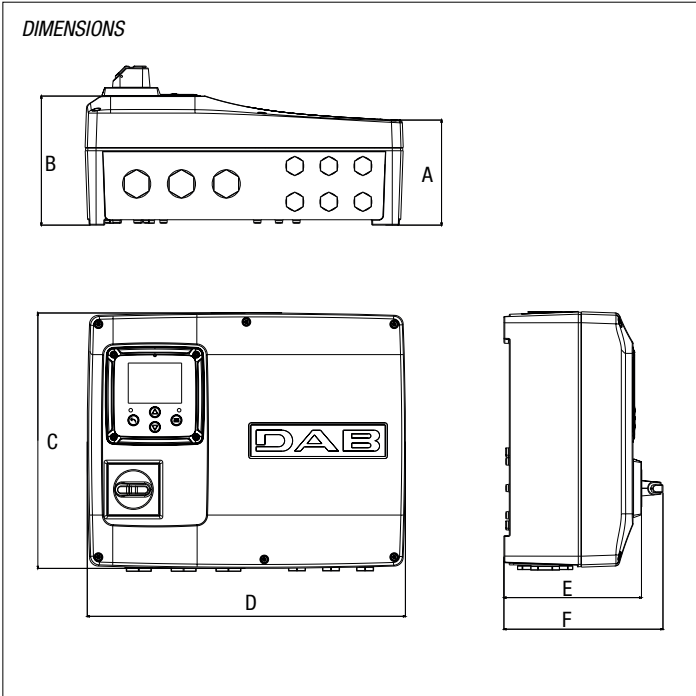
H2D allows you to access the integrated experience of DAB smart systems, giving you the ability to connect your devices and use many of the main digital functionalities for free.



NGPANEL

ELECTRONIC PROTECTION AND CONTROL PANEL

DIMENSIONS AND WEIGHTS



MODEL	UNITS	A	B	C	D	E	F	PACKING DIMENSIONS			WEIGHT	Q.TY x PALLET	CERTIFICATION STANDARDS
								L/A	L/B	H			
NGPANEL 1 PUMP 29 A	inches	4.7	5.7	11.2	12.6	6.1	7.1	17.1	9.6	12.3	8.2 lbs	14	CSA
	mm	120	145	285	320	155	180	435	243	313	3.7 kg		
NGPANEL 2 PUMPS 20 A	inches	4.7	5.7	11.2	12.6	6.1	7.1	17.1	9.6	12.3	8.2 lbs	14	CSA
	mm	120	145	285	320	155	180	435	243	313	3.7 kg		
NGPANEL 2 PUMPS 12 A	inches	4.7	5.7	11.2	12.6	6.1	7.1	17.1	9.6	12.3	8.2 lbs	14	CSA
	mm	120	145	285	320	155	180	435	243	313	3.7 kg		

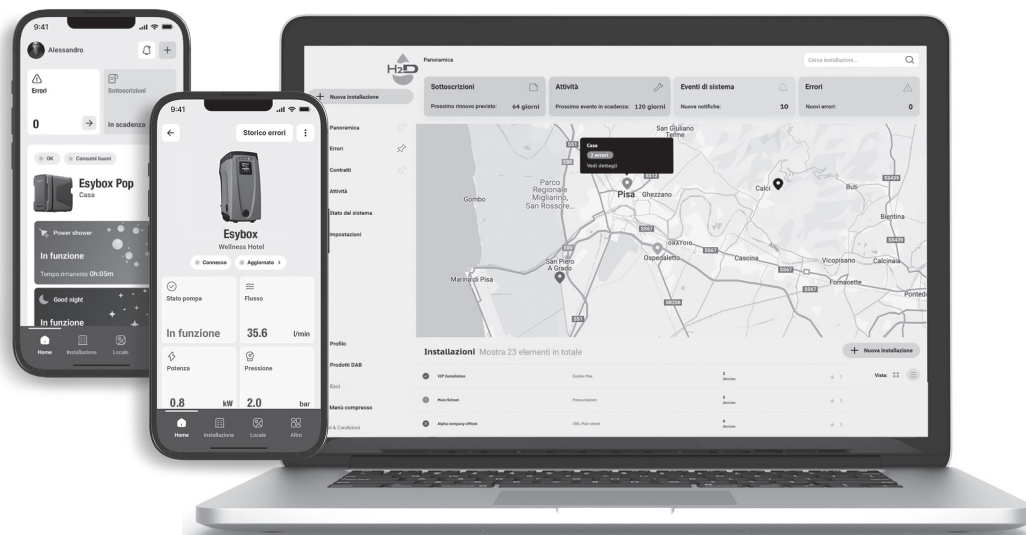
H₂D DIGITAL SERVICE

THE SMART PLATFORM FOR MANAGING DAB DEVICES REMOTELY

H₂D IS THE DAB PLATFORM - AVAILABLE ON MOBILE AND DESKTOP - THAT PAIRS WITH LATEST-GENERATION DAB DEVICES TO SHOW YOU WHAT'S GOING ON INSIDE YOUR SYSTEMS.

It allows you to configure your pump and optimise its operation remotely, saving time, resources and money.

Ideal for anyone seeking to future-proof their business with solutions designed to improve processes, offer more service, and be environmentally responsible.



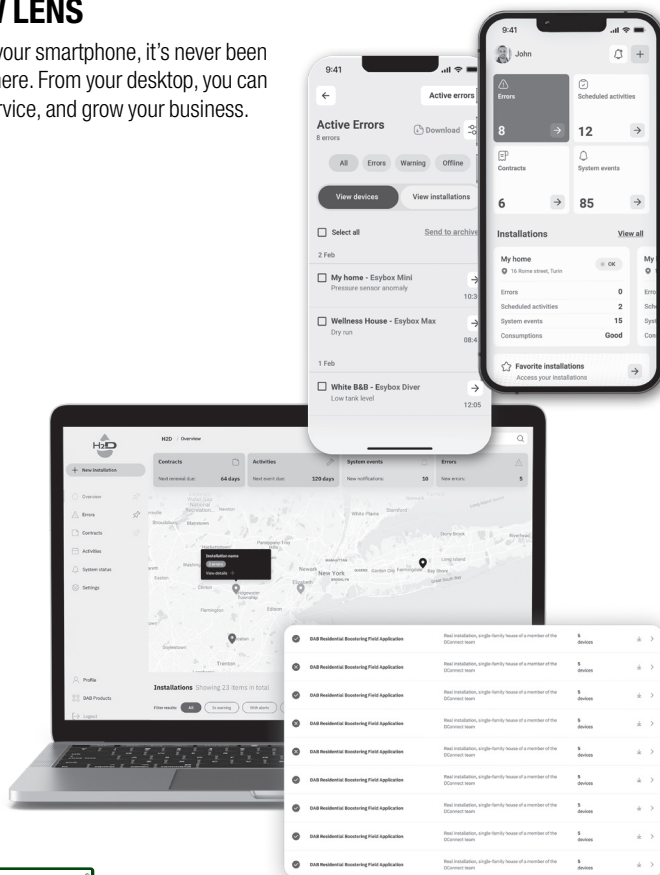
H₂D FOR PROFESSIONALS

H₂D simplifies and streamlines work routines, allowing for precise configuration of all parameters.

SEE THE FUTURE OF YOUR BUSINESS THROUGH A NEW LENS

Desktop and mobile solutions work together seamlessly. With user-friendly access on your smartphone, it's never been easier to communicate with pumps on site or keep an eye on your systems from anywhere. From your desktop, you can dive deeper into data analysis. You can easily enhance workflow, improve customer service, and grow your business.

- 
OPTIMISE TIME AND WORK
 H₂D allows systems to be controlled remotely and, where needed, work on site is easier to plan.
- 
PROBLEM FIXED FIRST TIME, EVERY TIME
 H₂D provides all the info you need to prepare the job beforehand for a quick and permanent fix, so the technician can get everything done in one go.
- 
LITTLE OR NO DISRUPTION
 Remote monitoring allows you to address potential issues and prevent disruptions.
- 
MORE SERVICE AND LESS URGENT CALLOUTS = INCREASED PROFIT
 With remote monitoring, we offer a 24/7 service that includes preventive maintenance services, helping to avoid emergencies.
- 
SATISFIED CUSTOMERS
 With parameters optimised remotely, the system ensures consistently smooth operation.
- 
FROM DCONNECT TO H₂D
 H₂D replaces and improves on DConnect. Latest generation DAB products connect effortlessly to H₂D.



H₂D DIGITAL SERVICE

THE SMART PLATFORM FOR MANAGING DAB DEVICES REMOTELY



H₂D FOR HOMEOWNERS AND END USERS

H₂D is a tool designed to help you manage water use effectively, optimising consumption, costs, and comfort.



OVERVIEW

With H₂D monitoring your water usage and device status in real-time is easy and convenient. If any issues arise, you can contact support immediately, regardless of your location.

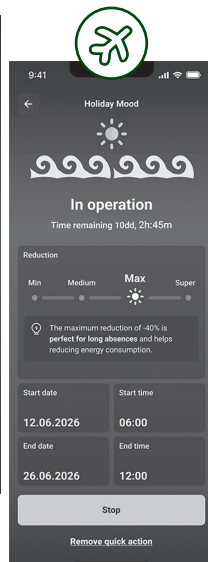
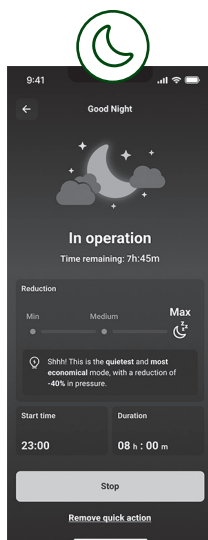
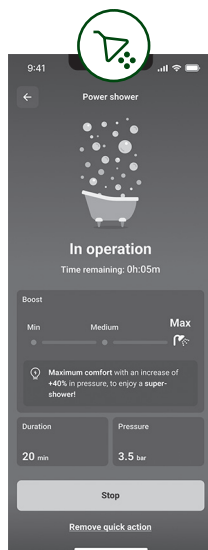


SMART HOME. TALK TO YOUR ESYBOX!

You can activate comfort modes by speaking to voice assistants like Alexa and Google Home. For example, you can say, "Alexa, activate Power Shower."

COMFORT FUNCTIONS

You can access these functions through an app, allowing you to customise the system's performance and features to balance comfort and energy consumption.



POWER SHOWER

Turn a regular shower into a "power shower": this feature increases water pressure just for the time it takes to shower, while reducing usage for the rest of the day.



GOOD NIGHT

During the night or for a quick nap, you can activate sleep mode, which switches the already quiet pump to a whisper-quiet operation, further reducing energy usage.



HOLIDAY MOOD (Only for ESYbox Pop)

This important feature helps minimise device activity, thereby saving energy during vacations or extended periods when you are away.

INSTALL H₂D NOW!



LEARN MORE
H2D.COM/EN



HOW TO USE H₂D



ACCESSORIES CONTROL UNIT

CONTROL UNIT - ACCESSORIES

NG PANEL

CAPACITOR KIT	DESCRIPTION	CODE	UNITS	PACKING DIMENSIONS			WEIGHT	Q.TY x PALLET	CERTIFICATION STANDARDS
				L/A	L/B	H			
	NGPANEL CAPACITOR KIT RUN 30UF, START 108/130UF, 230V	60215577	inches	4.3	9.8	12.4	3.53	70	CSA
			mm	110	250	315	1.6		
	NGPANEL CAPACITOR KIT RUN 40UF, START 108/130UF, 230V	60215578	inches	4.3	9.8	12.4	3.53	70	CSA
			mm	110	250	315	1.6		
	NGPANEL CAPACITOR KIT RUN 50UF, START 243/392UF, 115V	60215579	inches	4.3	9.8	12.4	3.53	70	CSA
			mm	110	250	315	1.6		

FLOATS	DESCRIPTION	CODE
	FLOAT SWITCH CLEAN WATER 10A 250 V CABLE 16 FT / 5 MT NC (2 WIRES)	159260030
	FLOAT SWITCH CLEAN WATER 10A 250 V CABLE 33 FT / 10 MT NC (2 WIRES)	159260040
	FLOAT SWITCH CLEAN WATER 10A 250 V CABLE 49 FT / 15 MT NC (2 WIRES)	159260050
	FLOAT SWITCH CLEAN WATER 10A 250 V CABLE 66 FT / 20 MT NC (2 WIRES)	159260070
	FLOAT SWITCH SEWER WATER 10A 250 V CABLE 33 FT / 10 MT NO-NC (3 WIRES)	002718000
	FLOAT SWITCH SEWER WATER 10A 250 V CABLE 66 FT / 20 MT NO-NC (3 WIRES)	002718001
	PRESSURE TRASDUCER 4-20 MA - RANGE: 0-16 FT / 5 MT - CABLE: 66 FT / 20 MT	60114675



JET COM
SELF-PRIMING CENTRIFUGAL PUMPS

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K
SINGLE IMPELLER CENTRIFUGAL PUMPS

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JET PRESSURE SWITCH
CENTRIFUGAL PUMPS FITTED

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K
TWIN IMPELLERS CENTRIFUGAL PUMPS

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JET SS PRESSURE SWITCH
CENTRIFUGAL PUMPS FITTED

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DP
PUMPS FOR DEEP SUCTION

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EURO INOX
MULTISTAGE CENTRIFUGAL PUMPS

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JET COM

SELF-PRIMING CENTRIFUGAL PUMPS



JET COM

Self-priming centrifugal pump with excellent suction capacity even when there are air bubbles. Particularly suitable for water supply in domestic installations, small-scale agriculture, gardening and wherever self-priming operation is necessary.

Jet Com: technopolymer pump body.

Motor support in cast iron, technopolymer impeller, diffuser, Venturi tube and sand guard. Stainless steel adjustment rings.

Carbon/ceramic mechanical seal. Asynchronous motor closed and cooled by external ventilation.

Built-in thermal and current overload protection and a capacitor permanently on in the single-phase version. For the protection of the three-phase motor it is advisable to use a suitable overload protection complying with the regulations in force.

Operating range from 1.8 to 46.2 gpm (0.4 to 10.5 m³/h) with head up to 203 ft (62 m)

Liquid temperature range

from 32°F to +95°F (0°C to +35°C) for domestic use from 32°F to +104°F (0°C to +40°C) for other use

Pumped liquid characteristics clean, free from solids or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral.

Maximum ambient temperature +104°F (40°C)

Maximum working pressure

87 psi (6 bar) for Jet Com

Protection level

IP 44 (IP 55 terminal board protection)

Insulation class F



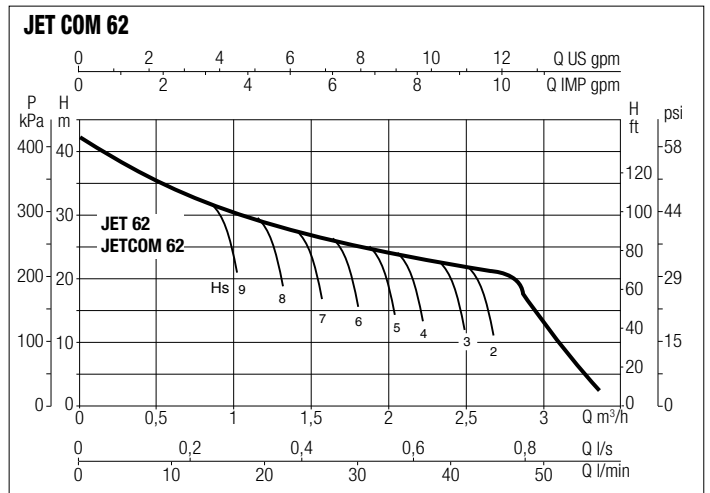
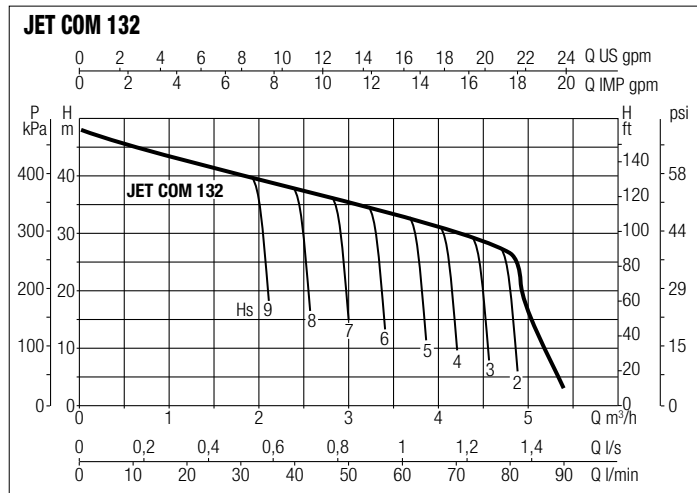
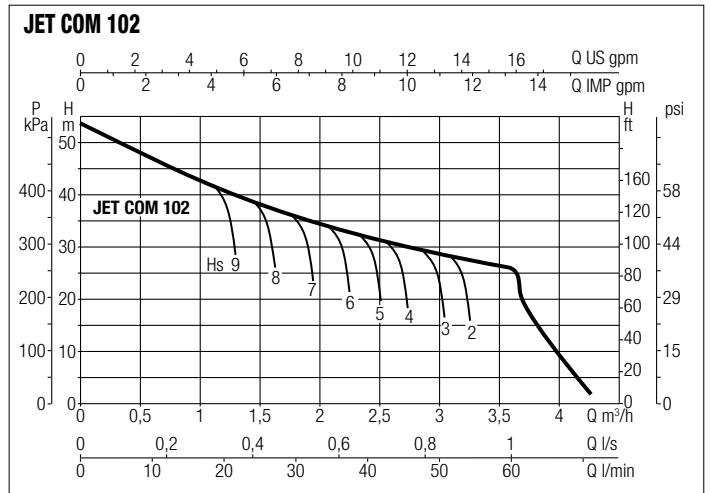
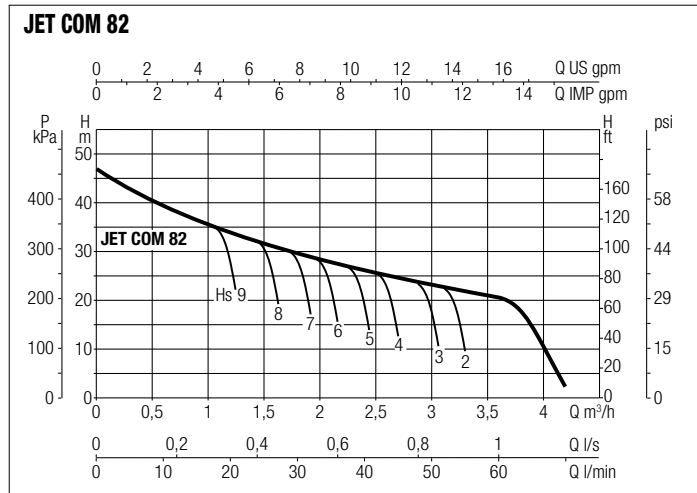
TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA						
		VOLTAGE 60 Hz	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
				kW	HP		µF	Vc
JET COM 62 M	60119498	1X115/230 V ~ dual VOLTAGE	0.75	0.44	0.6	6.6	40	450
JET COM 82 M	60119499	1X115/230 V ~ dual VOLTAGE	0.93	0.5	0.8	8.21- 4.22	50	450
JET COM 102 M	60119500	1X115/230 V ~ dual VOLTAGE	1.12	0.75	1	10.3- 5.25	50	450
JET COM 132 M	60119501	1X115/230 V ~ dual VOLTAGE	1.57	1	1.36	14.7- 7.52	80	450

JET COM

SELF-PRIMING CENTRIFUGAL PUMPS

RANGE PERFORMANCE

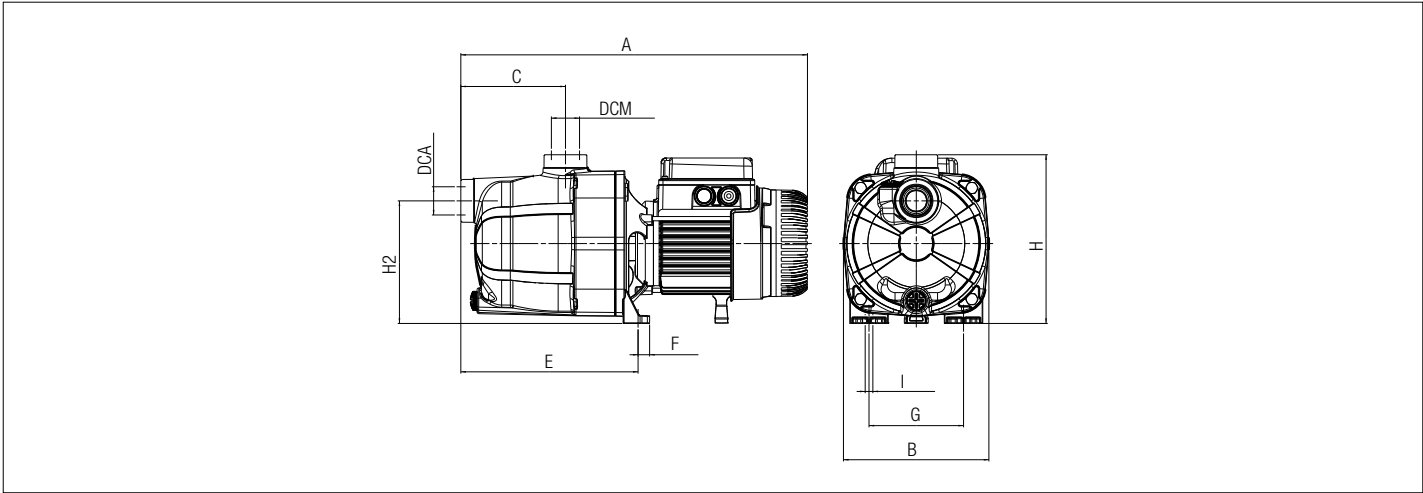


MODEL	Q=(GPM)	0	2.6	5.3	7.9	10.6	13.2	15.8	18.5	21.1	26.4	31.7	39.6	42.2	46.2
	Q=l/min	0	10	20	30	40	50	60	70	80	100	120	150	160	175
JET COM 62 M	H (ft)	137.8	112.9	94.5	79.7	69.6	43.3								
	H (m)	42	34.4	28.8	24.3	21.2	13.2								
JET COM 82 M	H (ft)	154	131	112	98	86	77	66							
	H (m)	47	40	34	30	26.2	23.5	20							
JET COM 102 M	H (ft)	177	154	135	119	106	94	85							
	H (m)	53.8	47	41	36.3	32.4	28.8	25.8							
JET COM 132 M	H (ft)	158	150	140	131	123	115	107	98	89					
	H (m)	48.3	45.6	42.8	40	37.6	35	32.5	30	27.2					

JET COM

SELF-PRIMING CENTRIFUGAL PUMPS

DIMENSIONS AND WEIGHTS



MODEL	Units	A	A1	B	C	E	F	G	H	H1	H2	I Ø	DNA (NPT)	DNM (NPT)	L/A	L/B	H	WEIGHT	Q.TY x PALLET
JET COM 62 M	inches	16.1	-	6.7	4.8	8.2	0.6	4.4	7.6	-	5.6	0.4	1"	1"	18.5	9.4	9.4	16.5 lbs	28
	mm	408		171	122.5	208	14	111	194		143.5	9			470	240	240	7.5 kg	
JET COM 82 M	inches	16	-	6.7	4.8	8.2	0.6	4.4	7.8	-	5.7	0.4	1"	1"	18.5	9.4	9.4	17 lbs	28
	mm	406		170	122	208	14	111	198		144	9			470	240	240	7.7 kg	
JET COM 102 M	inches	16.7	-	6.7	4.8	8.2	0.6	4.4	8	-	5.7	0.4	1"	1"	18.5	9.4	9.4	20.9 lbs	28
	mm	425		170	122	208	14	111	203		144	9			470	240	240	9.5 kg	
JET COM 132 M	inches	16.7	-	6.7	4.8	8.2	0.6	4.4	8	-	5.7	0.4	1"	1"	18.5	9.4	9.4	23.1 lbs	28
	mm	425		170	122	208	14	111	203		144	9			470	240	240	10.5 kg	

JET PRESSURE SWITCH

CENTRIFUGAL PUMPS FITTED



JET 50-75-100 PS



JET 150-200 PS



JET 300 PS



SINGLE-PHASE VERSION

Self-priming pump equipped with a pressure switch.

THREE-PHASE VERSION

Available on request.

Operating range from 1.8 to 46.2 gpm (0.4 to 10.5 m³/h) with head up to 203 ft (62 m)

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 +95°F (0°C to +35°C) for domestic use.
for other use: from 32°F to +104°F (0°C to +40°C)

Maximum ambient temperature +104°F (40°C)

Maximum operating pressure 116 psi (8 bar)

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

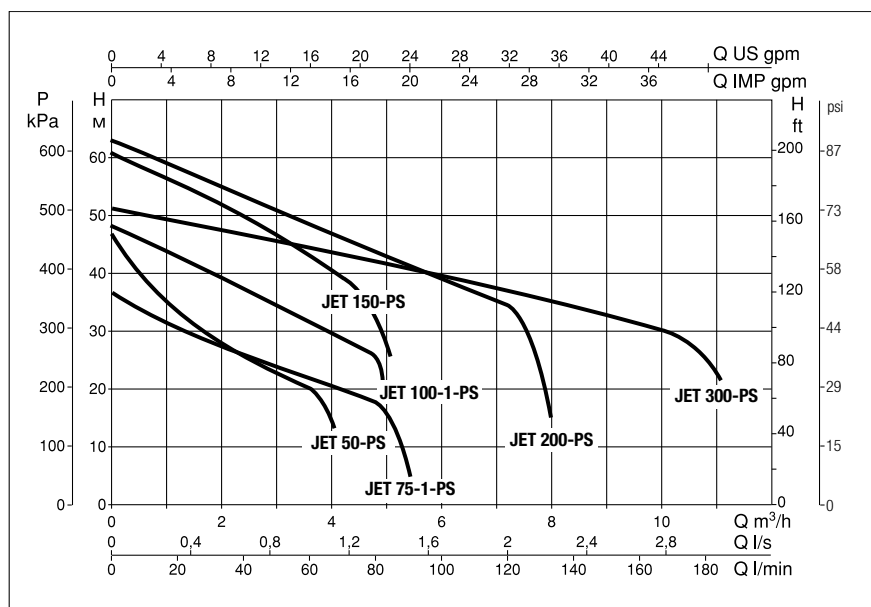
Insulation class F

TECHNICAL DATA

MODEL	CODE
JET 50-PS	102668110.
JET 75-1-PS	102668140.
JET 100-1-PS	102668150.
JET 150-PS	102166230.
JET 200-PS	102166240.
JET 300-PS	102166250.

ELECTRICAL DATA							
VOLTAGE 60 Hz	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR		
		kW	HP		µF	Vc	
1X115/230 V~	0.93	0.37	0.5	8.21-4.22	50	450	
1X115/230 V~	1.12	0.56	0.75	10.3-5.25	50	250	
1X115/230 V~	1.48	0.75	1	13.8-7.10	80	250	
1X230 V~	1.7	1.1	1.5	8	31.5	450	
1X230 V~	2.4	1.5	2	11	40	450	
1X230 V~	2.65	2.2	3	12	40	450	

RANGE PERFORMANCE



JET SS PRESSURE SWITCH

CENTRIFUGAL PUMPS FITTED



SINGLE-PHASE VERSION

Self-priming pump equipped with a pressure switch.

THREE-PHASE VERSION

Available on request.



Operating range from 1.8 to 46.2 gpm (0.4 to 10.5 m³/h) with head up to 203 ft (62 m)

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 +95°F (0°C to +35°C) for domestic use
for other use: from 32°F to +104°F (0°C to +40°C)

Maximum ambient temperature +104°F (+40°C)

Maximum operating pressure 116 psi (8 bar)

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

Standard input voltage

single phase 110/127 - 220/240 V / 60 Hz
three phase 230/460 V - 60 Hz on request



TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA						
		VOLTAGE 60 Hz	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
				kW	HP		µF	Vc
JET SS 50-PS	102648110.	1X115/230 V~	0.93	0.37	0.5	8.21-4.22	50	450
JET SS 75-1-PS	102648140.	1X115/230 V~	1.12	0.56	0.75	10.3-5.25	50	250
JET SS 100-1 -PS	102648150.	1X115/230 V~	1.48	0.75	1	13.8-7.10	80	250

RANGE PERFORMANCE

MODEL	Q = gpm	0	2.6	5.3	7.9	10.6	13.2	15.8	18.5	21.1
	Q = l/min	0	10	20	30	40	50	60	70	80
JET SS 50-PS	H (ft)	154	131	112	98	86	77	67	0	0
	H (m)	47	40	34	30	26,2	23,5	20,3		
JET SS 75-1-PS	H (ft)	119	110	102	93	85	79	72	64	56
	H (m)	36.2	33.5	31	28.4	26	24	21.8	19.6	17
JET SS 100-1 -PS	H (ft)	158	150	140	131	123	115	107	98	89
	H (m)	48.3	45.6	42.8	40	37.6	35	32.5	30	27.2

EURO INOX

MULTISTAGE CENTRIFUGAL PUMPS



Multistage horizontal centrifugal pump, featuring extremely silent running suitable for domestic use for water supply and pressurisation, irrigation of gardens and vegetable gardens, and moving water in general.

Euro Inox: stainless steel pump body.

Motor support in die-cast aluminium, seal holder in AISI 304 steel. Mechanical seal in carbon/ceramic. Rotor shaft in AISI 304 steel. Rotors, diffuser bodies and diffusers in technopolymer. Adjustment rings in stainless steel.

Protection level of motor IP 44

Protection level of terminal board IP 55

Insulation class F

Operating range from 2.6 to 31.7 gpm (0.6 to 7.2 m³/h) with a head of up to 236 ft (72 m)

Pumped liquid characteristics clean, free from solid or abrasive substances, non viscous, non aggressive, non crystallised, chemically neutral and close to the characteristics of water

Liquid temperature range

from 32°F to +95°F (0°C to +35°C) for domestic use
from 32 F to +104°F (0°C to +40°C) for other uses

Maximum ambient temperature +104 F (+40°C)

Maximum operating pressure 116 psi (8 bar)

Euro Inox self-priming



TECHNICAL DATA

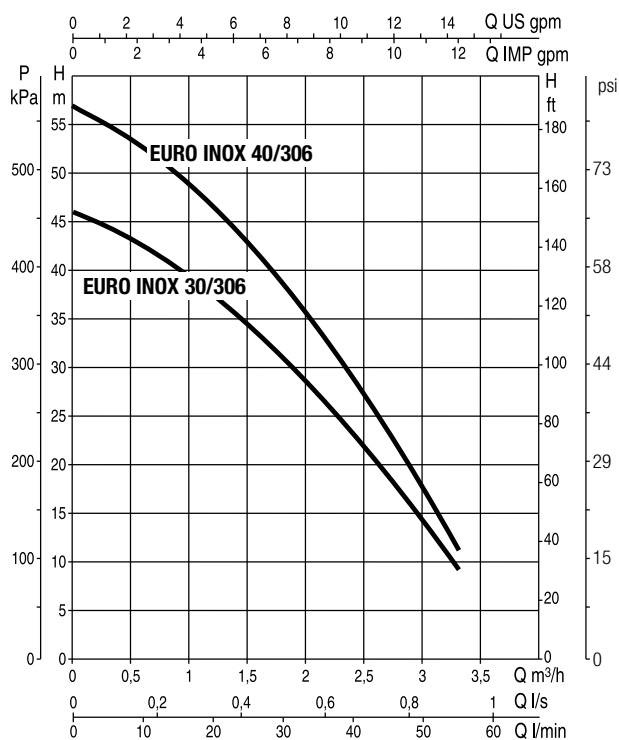
MODEL	CODE	ELECTRICAL DATA						
		VOLTAGE 60 Hz	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
				kW	HP		µF	Vc
EURO INOX 30/306 M	60119512	1X115/230 V~ dual VOLTAGE	0.89	0.33	0.6	8.0- 4.12	50	250
EURO INOX 40/306 M	60119513	1X115/230 V~ dual VOLTAGE	1	0.5	0.75	8.92- 4.55	50	250
EURO INOX 30/506 M	60119514	1X115/230 V~ dual VOLTAGE	0.94	0.5	0.75	8.31- 4.28	50	250
EURO INOX 40/506 M	60119515	1X115/230 V~ dual VOLTAGE	1.3	0.8	1.1	13.0- 6.6	80	250
EURO INOX 50/506 M	60119516	1X115/230 V~ dual VOLTAGE	1.5	1	1.36	14.6- 7.4	80	250
EURO INOX 40/806 M	60119519	1X115/230 V~ dual VOLTAGE	1.5	1.1	1.36	14.6- 7.4	80	250

EURO INOX

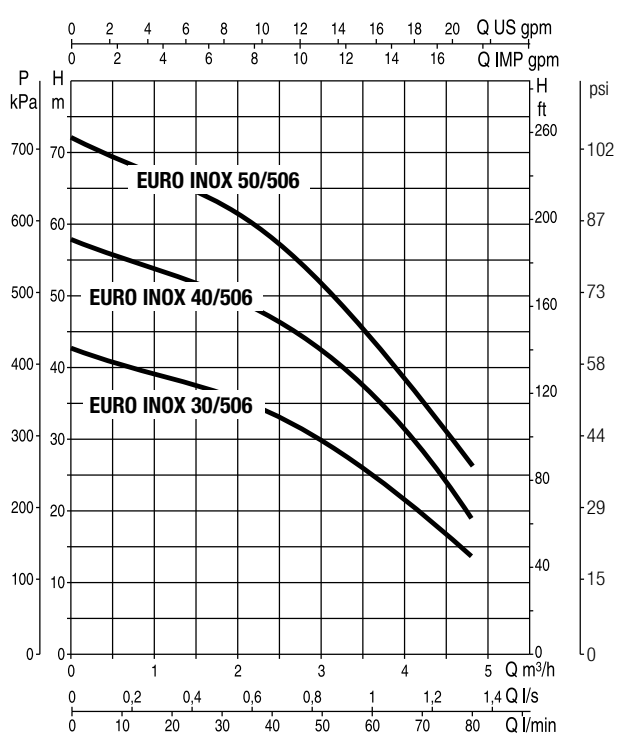
MULTISTAGE CENTRIFUGAL PUMPS

RANGE PERFORMANCE

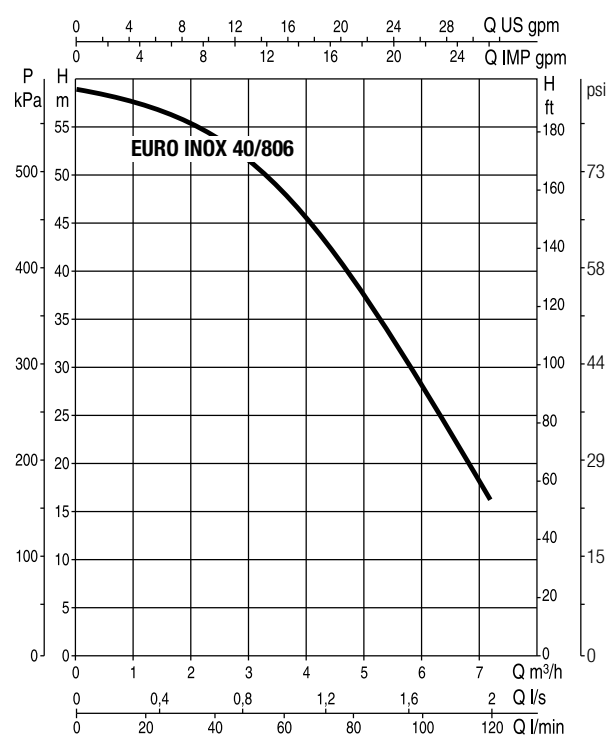
EURO INOX 30



EURO INOX 50



EURO INOX 80



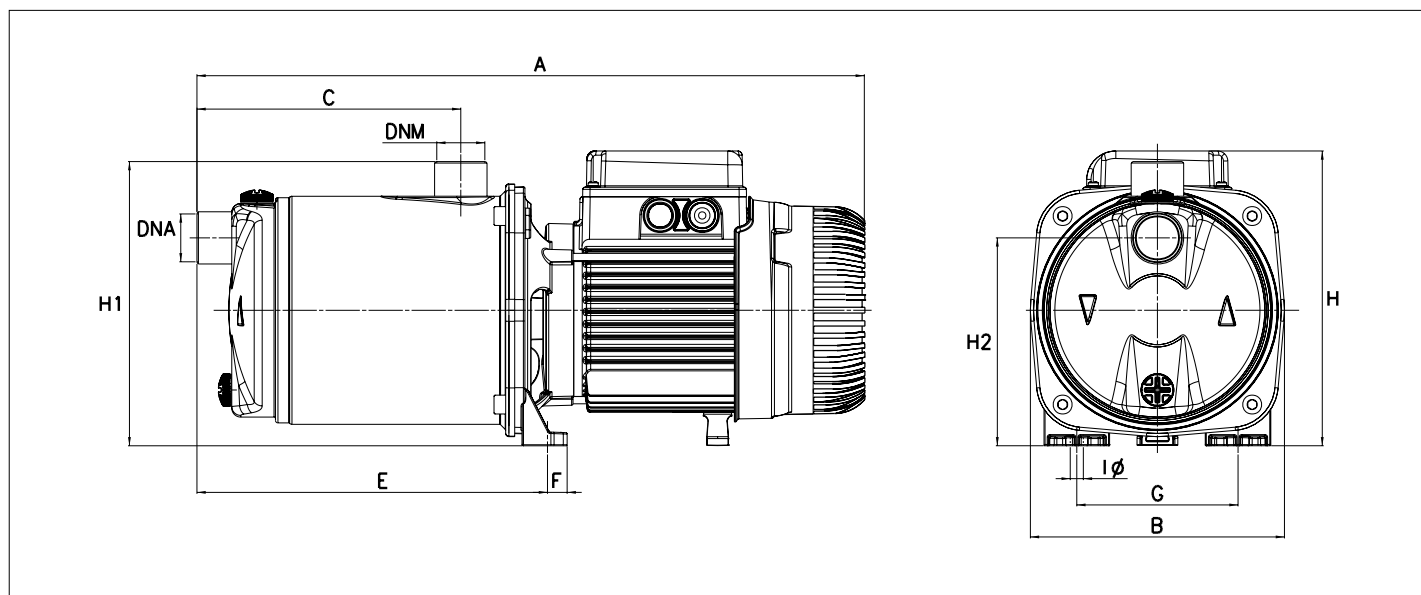
EURO INOX

MULTISTAGE CENTRIFUGAL PUMPS

RANGE PERFORMANCE

MODEL	P2 NOMINAL		Q = gpm	0	2,6	5.3	7.9	10.6	13.2	15.8	18.5	21.1	26.4	31.7
	kW	HP	Q = l/min	0	10	20	30	40	50	60	70	80	100	120
EURO INOX 30/306 M	0.45	0.6	H (ft)	151	138	124	102	76	47					
			H (m)	46	42,2	37,8	31,2	23,3	14,3					
EURO INOX 40/306 M	0.55	0.75	H (ft)	187	173	154	127	95	58					
			H (m)	57	52,7	47	38,8	29	17,7					
EURO INOX 30/506 M	0.55	0.75	H (ft)	138	132	125	119	111	98	81	64	46		
			H (m)	42	40,2	38,2	36,2	33,8	30	24,8	19,5	14		
EURO INOX 40/506 M	0.75	1	H (ft)	190	181	173	164	155	140	117	92	62		
			H (m)	58	55,3	52,8	50,1	47,1	42,7	35,8	28	19		
EURO INOX 50/506 M	1	1.36	H (ft)	236	225	215	204	191	171	143	113	85		
			H (m)	72	68,5	65,5	62,1	58,2	52,2	43,6	34,5	26		
EURO INOX 40/806 M	1	1.36	H (ft)	194		187	184	177	167	154	143	128	97	54
			H (m)	59		57	56	54	51	47	43,5	39	29,5	16,5

DIMENSIONS AND WEIGHTS



MODEL	units	A	B	C	E	F	G	I Ø 4 Holes	H	H1	H2	DNA (NPT)	DNM (NPT)	PACKING DIMENSIONS			WEIGHT	Q.TY x PALLET
														L/A	L/B	H		
EURO INOX 30/306 M	inches	17.3	6.9	6.5	9.5	0.5	4.4	0.4	7.6	7.7	5.6	1"	1"	18.9	8.3	10.4	25.8 lbs	28
	mm	439	174	166	241	13,5	111	9	193	196	143			480	212	265	11.7 kg	
EURO INOX 40/306 M	inches	17.3	6.9	6.5	9.5	0.5	4.4	0.4	7.6	7.7	5.6	1"	1"	18.9	8.3	10.4	26.2 lbs	28
	mm	439	174	166	241	13,5	111	9	193	196	143			480	212	265	11.9 kg	
EURO INOX 30/506 M	inches	15.1	6.9	4.3	7.3	0.5	4.4	0.4	7.6	7.7	5.6	1"	1"	17.3	8.1	9.6	23.1 lbs	28
	mm	384	174	108	186	13,5	111	9	193	196	143			440	206	245	10.5 kg	
EURO INOX 40/506 M	inches	18	6.9	6.5	9.5	0.5	4.4	0.4	8	7.7	5.6	1"	1"	18.9	8.3	10.4	32.2 lbs	28
	mm	458	174	166	241	13,5	111	9	203	196	143			480	212	265	14.6 kg	
EURO INOX 50/506 M	inches	18	6.9	6.5	9.5	0.5	4.4	0.4	8	7.7	5.6	1"	1"	18.9	8.3	10.4	33.3 lbs	28
	mm	458	174	166	241	13,5	111	9	203	196	143			480	212	265	15.1 kg	
EURO INOX 40/806 M	inches	18	6.9	6.5	9.5	0.5	4.4	0.4	8	7.7	5.6	1"	1"	18.9	8.3	10.4	33.3 lbs	28
	mm	458	174	166	241	13,5	111	9	203	196	143			480	212	265	15.1 kg	

K

SINGLE IMPELLER CENTRIFUGAL PUMPS



Single impeller centrifugal pump suitable for domestic, civil, industrial and agricultural installations and for decanting, mixing and irrigating uses. Cast iron pump body and motor support. Technopolymer impeller. Stainless steel driving shaft. Carbon/ceramic mechanical seal. Asynchronous, closed motor, cooled by external ventilation. Built-in thermal and current overload protection and a capacitor permanently on in the single-phase version. For the protection of the three-phase motor it is advisable to use a suitable overload protection complying with the regulations in force.

Operating range from 7.9 to 422.7 gpm (1.8 to 96 m³/h) with head up to 203 ft (62 m)

Pumped liquid characteristics clean, free from solids or abrasive substances, non-viscous, non-aggressive, non-crystallised, chemically neutral and close to the characteristics of water

Liquid temperature range from 14°F to +122°F (-10°C to +50°C)

Maximum operating range 87 psi

Maximum ambient temperature +104 F (+40°C)

Protection level IP 44

Terminal board protection level IP 55

Insulation class F



TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA						
		VOLTAGE 60 Hz	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
				kW	HP		μF	Vc
K 20/41 M	60113967	1x115/230 V~	0.8	0.37	0.5	6.7-3.5	40	250
K 30/70 M	60113968	1x115/230 V~	1.5	0.75	1	14.5-7.35	80	450
K 30/100 M	102115640	1x220-230 V~	1.72	1.1	1.5	8-7.6	31.5	450
K 36/100 M	102115700	1x220-230 V~	2.1	1.85	2.5	9.4-9	40	450

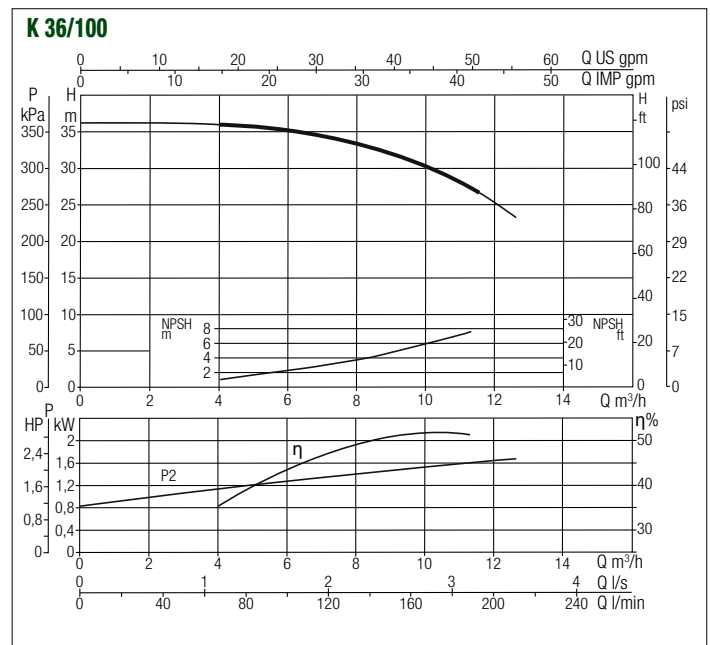
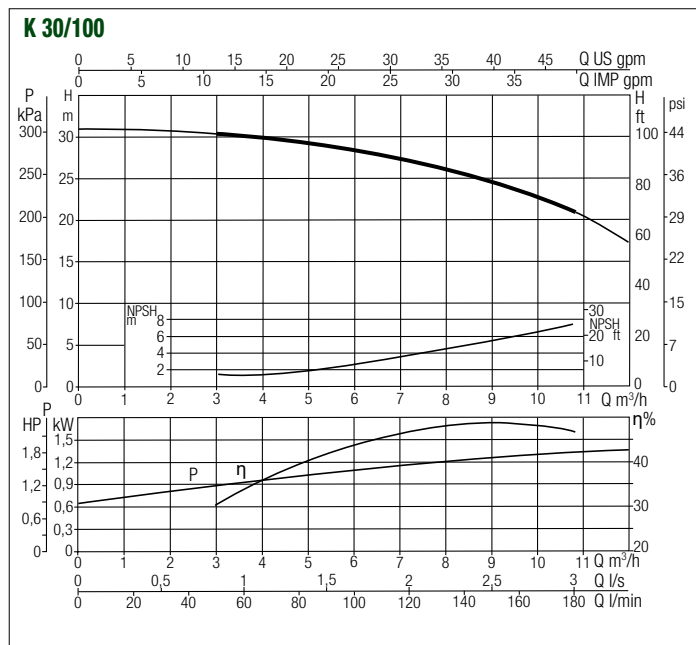
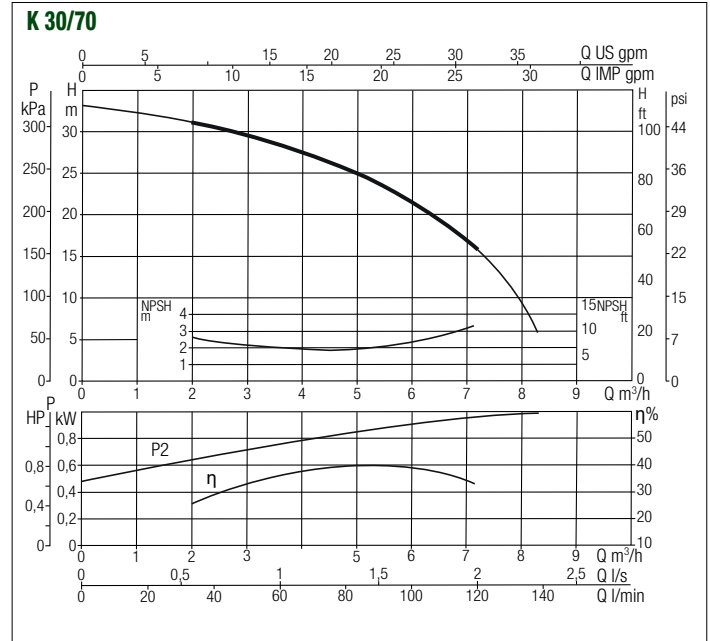
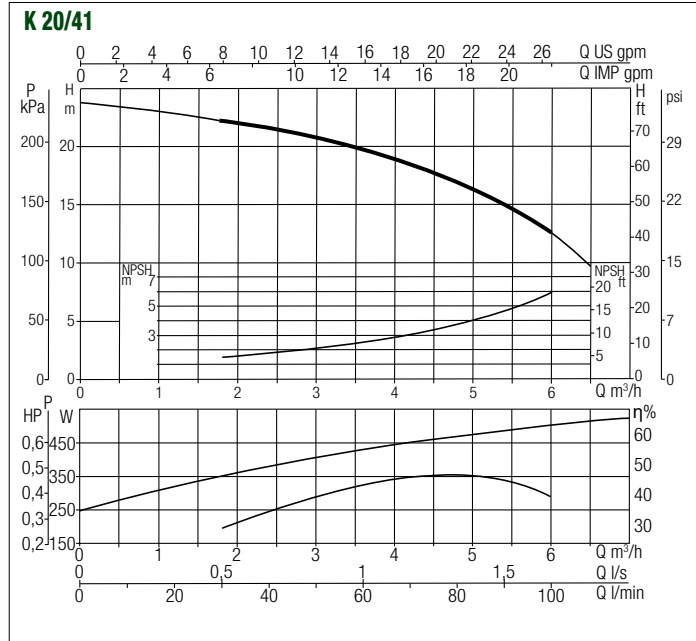
RANGE PERFORMANCE

MODEL	P2 NOMINAL		Q = gpm	0	7.9	10.6	15.8	21.1	26.4	31.7	39.6	42.2	46.2	52.8
	kW	HP	Q = l/min	0	30	40	60	80	100	120	150	160	180	200
K 20/41 M *	0.37	0.5	H (ft)	77	71	69	62	53	40	15				
			H (m)	23.4	21.5	21.0	19.0	16.3	12.2	4.5				
K 30/70 M	1.5	0.75	H (ft)	108	102	100	94	87	75	62				
			H (m)	33	31.1	30.5	28.8	26.5	23.0	19.0				
K 30/100 M	1.1	1.5	H (ft)	100		98	95	93	90	86	74	70	59	37
			H (m)	30.5		29.9	29.0	28.4	27.5	26.2	22.5	21.2	18.0	11.2
K 36/100 M	1.85	2.5	H (ft)	117		116	115	114	111	106	98	94	85	70
			H (m)	35.6		35.4	35.0	34.6	33.8	32.4	30.0	28.8	26.0	21.3

* pump not suitable for domestic application.

K

SINGLE IMPELLER CENTRIFUGAL PUMPS

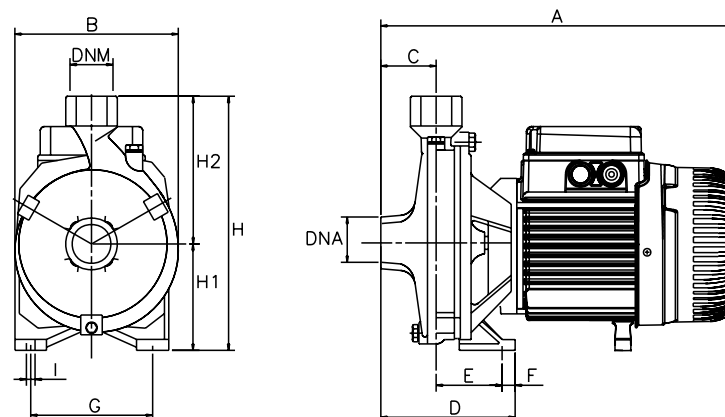


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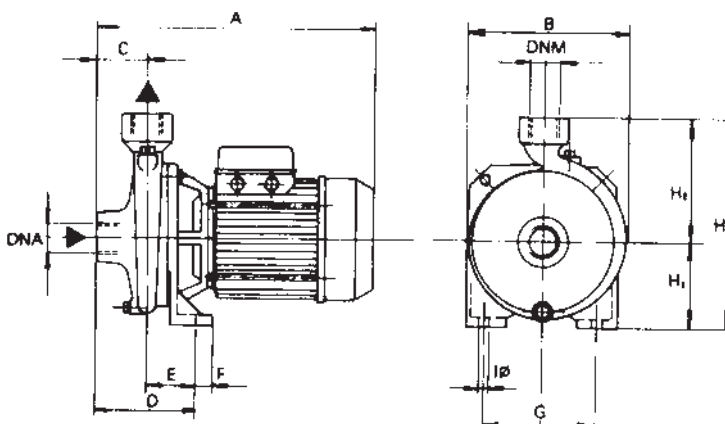
SINGLE IMPELLER CENTRIFUGAL PUMPS

DIMENSIONS AND WEIGHTS

K 20/41 - 30/70



K 30/100 - 36/100



MODEL	units	A	B	C	D	E	F	G	I Ø	H	H1	H2	DNA	DNM	PACKAGING DIMENSIONS			VOLUME	WEIGHT	Q.TY x PALLET
													NPT	NPT	L/A	L/B	H			
K 20/41 M	inches	11.8	6.3	2	3.9	2	0.6	4.3	0.4	8.1	3.3	4.7	1"	1"	13.1	8	10.1	0.8 ft³	22.3 lbs	39
	mm	300	160	50	100	50	15	110	9	205	85	120			332	202	257	0.024 m³	10.1 kg	
K 30/70 M	inches	11.8	7.3	2	4.3	2.3	0.6	5.5	0.4	9.3	3.9	5.3	1"	1"	9.1	9.1	10.3	0.8 ft³	32.6 lbs	30
	mm	300	185	50	108	58	15	140	9	235	100	135			232	232	262	0.024 m³	14.8 kg	
K 30/100 M	inches	13.1	7.9	2	4.5	2.5	0.6	5.5	0.4	10	4.1	5.9	1 1/2"	1"	16.8	9.7	12.1	1.1 ft³	40.8 lbs	21
	mm	333	200	50	114	64	15	140	9	255	105	150			427	246	307	0.032 m³	18.5 kg	
K 36/100 M	inches	13.1	7.9	2	4.5	2.5	0.6	5.5	0.4	10	4.1	5.9	1 1/2"	1"	16.8	9.7	12.1	1.1 ft³	43.4 lbs	21
	mm	333	200	50	114	64	15	140	9	255	105	150			427	246	307	0.032 m³	19.7 kg	

K

TWIN IMPELLERS CENTRIFUGAL PUMPS



K 35/40 M

Twin impeller centrifugal pump designed for use in pressurisation units for water supply systems for domestic, civil and industrial use. Suitable for sprinkling irrigation and other water supply applications. Cast iron pump body and motor support. Technopolymer impeller. Stainless steel driving shaft. Carbon/ceramic mechanical seal. Asynchronous, closed motor, cooled by external ventilation. Built-in thermal and current overload protection and a capacitor permanently on in the single-phase version. For the protection of the three-phase motor it is advisable to use a suitable overload protection complying with the regulations in force.

Operating range from 5.3 to 132.1 gpm (1.2 to 30 m³/h) with head up to 318 ft (97 m)

Pumped liquid characteristics clean, free from solids or abrasive substances, non-viscous, non-aggressive, non-crystallised, chemically neutral and close to the characteristics of water

Liquid temperature range
from 14°F to +122°F (-10°C to +50°C)

Maximum operating range
K 35/40, K 40/100: **87 psi (6 bar)**
K 45/50: **116 psi (8 bar)**

Maximum ambient temperature +104°F (+40°C)

Protection level IP 44

Terminal board protection level IP 55

Insulation class F

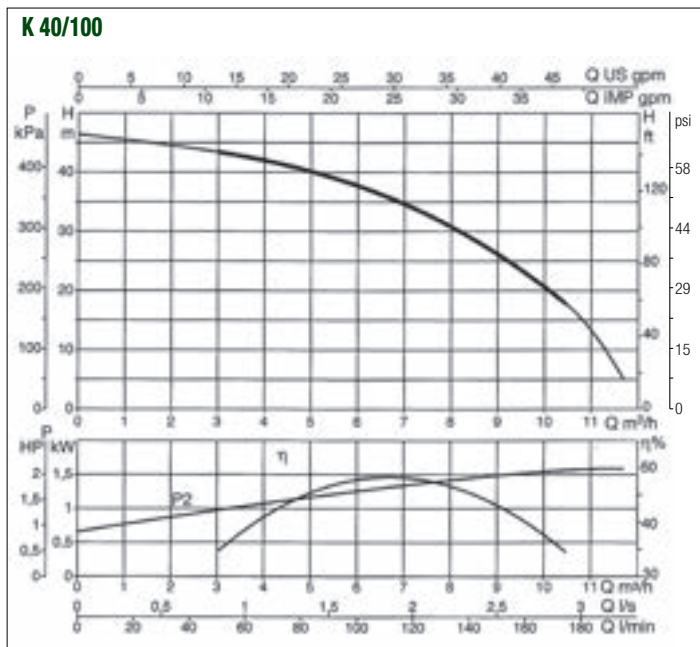
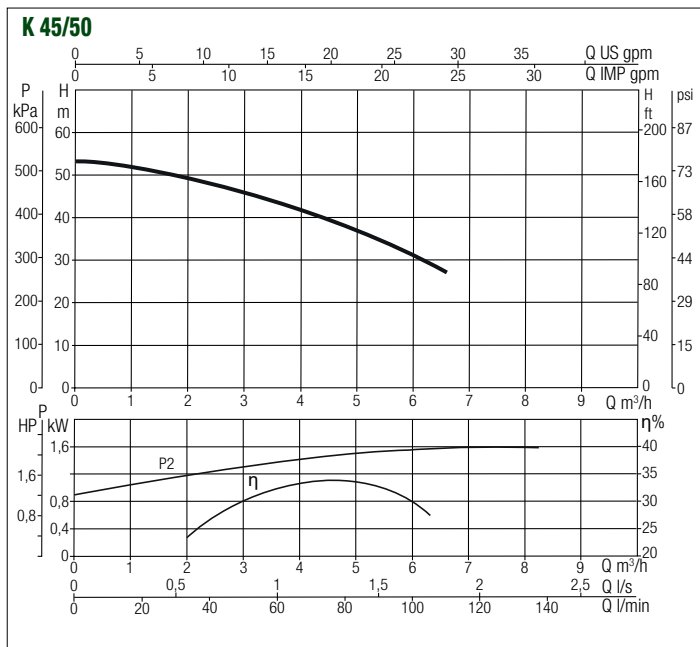


TECHNICAL DATA

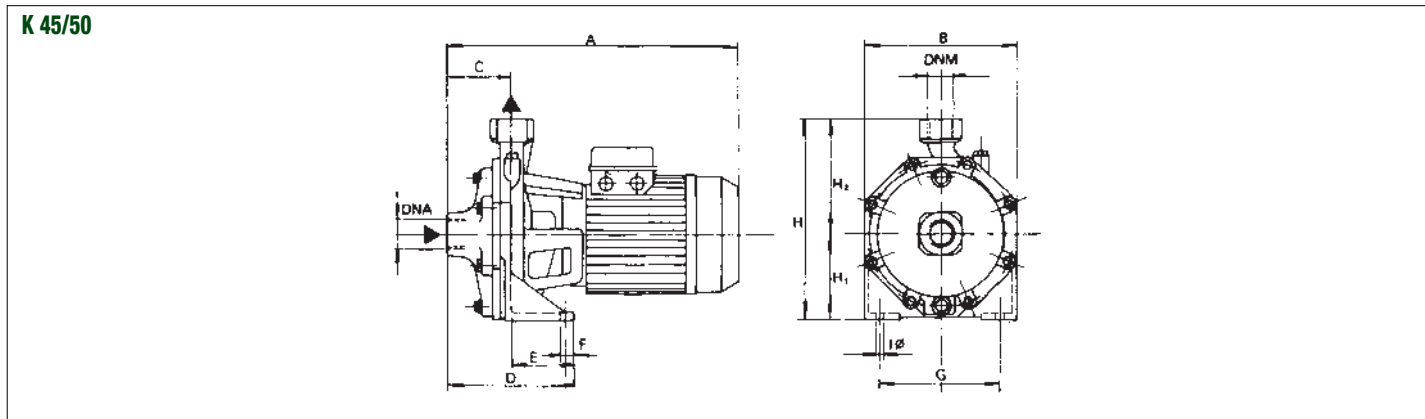
MODEL	CODE	ELECTRICAL DATA						
		VOLTAGE 60 Hz	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
				kW	HP		µF	Vc
K 45/50 M	102125620	1x220-230 V~	2.02	1.1	1.5	9.1- 8.7	31.5	450
K 40/100 M	102125740	1x220-230 V~	2	1.85	2.5	9.6- 9.2	40	450

RANGE PERFORMANCE

MODEL	P2 NOMINAL		Q = gpm	0	1.3	2.6	4	5.3	7.9	10.6	15.8	21.1	26.4	31.7	39.6	42.2	10.5	12
	kW	HP	Q = l/min	0	5	10	15	20	30	40	60	80	100	120	150	160	180	200
			H (ft)	174				167	163	157	140	121	102	59				
K 45/50 M	1.1	1.5	H (m)	53.1				51	49.8	48	42.6	37	31	17.9				
			H (ft)	150						148	144	136	128	116	93	82	18.1	15.1
K 40/100 M	1.85	2.5	H (m)	45.7						45	43.8	41.5	39	35.3	28.3	25	18.1	4.6



DIMENSIONS AND WEIGHTS



MODEL	units	A	B	C	D	E	F	G	I Ø	H	H1	H2	DNA NPT	DNM NPT	PACKAGING DIMENSIONS			VOLUME	WEIGHT	Q.TY x PALLET
															L/A	L/B	H			
K 45/50 M	inches	14.6	12.2	3	5.7	2.7	0.6	6.5	0.5	10.6	4.6	5.9	1 1/4"	1"	16.8	9.7	11.7	1.1 ft³	51.4 lbs	21
	mm	370	310	75	144	69	15	165	11.5	268	118	150	1 1/4"	1"	427	246	297	0.031 m³	23.3 kg	
K 40/100 M	inches	18.1	8.1	3.5	-	7	0.8	5.7	0.4	9.2	4.3	4.9	1 1/2"	1"	20.6	9.7	11.7	1.1 ft³	50.7 lbs	18
	mm	461	205	88	-	179	20	145	11	233	108	125	1 1/2"	1"	522	246	297	0.031 m³	23.0 kg	

DP

PUMPS FOR DEEP SUCTION



Self-priming centrifugal pump for suction up to 89 ft, (27 m) reached by means of an ejector.
Cast iron pump body and motor support.
Technopolymer impeller and diffusers.
Stainless steel adjustment rings. Carbon / ceramic mechanical seal. Cast iron ejector body, technopolymer Venturi tube and brass nozzle. Asynchronous motor closed and cooled by external ventilation.
Built-in thermal current overload protection and a capacitor permanently on in the single-phase version. For the protection of the three-phase motor it is advisable to use a suitable overload protection complying with the regulations in force.

Operating range

from 0.7 to 18.9 gpm (0.15 to 4.3 m³/h)

Liquid temperature range

from 32°F to +104°F (0°C to +40°C) for other uses from 32°F to +95°F (0°C to +35°C) for domestic use

Pumped liquid characteristics clean, free from solids or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral.

Maximum ambient temperature +104°F (+40°C)

Maximum working pressure

87 psi (6 bar) for DP 82 - DP 102

Protection level IP 44

Insulation class F



TECHNICAL DATA

MODEL	CODE
DP 82 M	60119487

ELECTRICAL DATA							
VOLTAGE 60 Hz	P1 MÁX kW	P2 NOMINAL		In A	CAPACITOR		
		kW	HP		µF	Vc	
1x115/230 V~	0.9	0.6	0.8	7.09-3.61	50	450	

RANGE PERFORMANCE

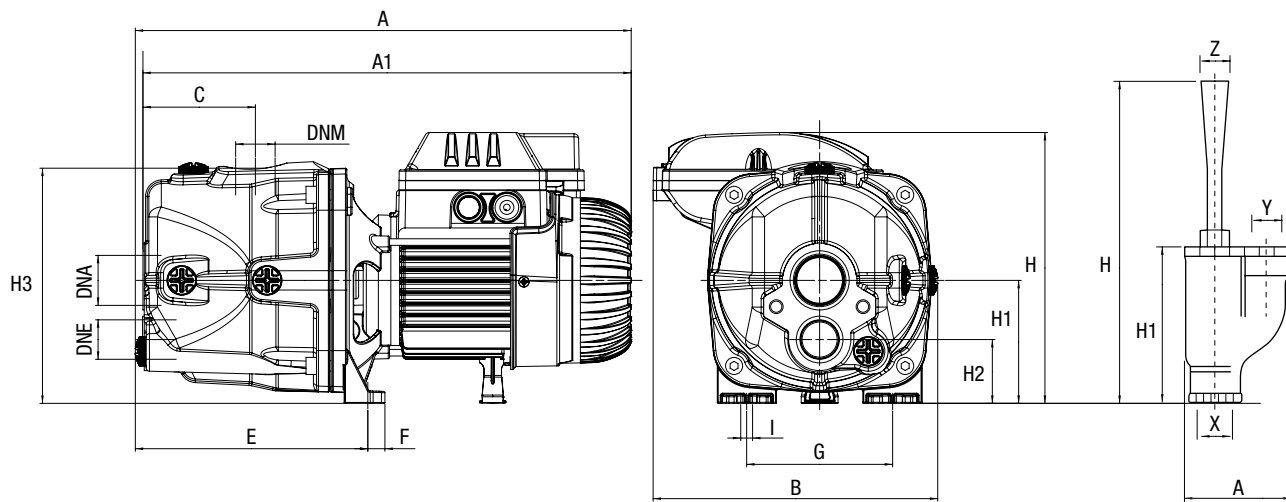
HYDRAULIC DATA (n ~ 2800 r.p.m.)																													
MODEL	P2 NOMINAL		EJECTOR TYPE	SUCTION DEPTH.		Discharge pressure																							
	kW	HP		psi	22	29	36	44	51	58	65	73	80	87	94	102													
																	bar	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7
DP 82 M	0.6	0.8	E 25	30	9	gpm	8	4.8	2	0.1																			
						l/h	1813	1080	446	33																			
				39	12	gpm	6.3	1																					
						l/h	1426	225																					
				49	15	gpm	4	1.4																					
						l/h	900	326																					
			E 30	30	9	gpm	7.7	5.7	3.6	2.3	1.1	0.1																	
						l/h	1753	1286	812	524	261	12																	
				39	12	gpm	5.9	4.2	2.7	1.4	0.7	0																	
						l/h	1345	965	608	329	162	0																	
				49	15	gpm	5.1	3.4	2.0	1.0	0.2																		
						l/h	116	761	452	228	45																		

DP

PUMPS FOR DEEP SUCTION

DIMENSIONS AND WEIGHTS

DP 82



MODEL	Units	A	A1	B	C	E	G	I Ø	H	H1	H2	H3	I	DNA (NPT)	DNM (NPT)	DNE (NPT)	EJECTOR						PACKING DIMENSIONS			WEIGHT	Q.TY x PALLET
																	A	H	H1	Ø (NPT)			L/A	L/B	H		
																				x	y	z					
DP 82 M	inches	14.8	14.6	6.9	3.4	7	4.4	-	7.6	3.7	1.9	7	0.4	1 1/4"	1"	1"	3.8	11.6	5.6	1"	1"	1 1/4"	18.9	9.4	9.4	23.59	22
	mm	377	371	175	86	177	111	-	194	94	49	179	9	1 1/4"	1"	1"	97	295	143	1"	1"	1 1/4"	480	240	240	10.7	

ACCESSORIES - EJECTORS

MODEL	CODE	DIMENSION inch	PACKING DIMENSIONS			WEIGHT lbs kg	Q.TY x PALLET
			L/A (inches) (mm)	L/B (inches) (mm)	H (inches) (mm)		
EJECTOR E 20	109205000	3 x 4 x 11	17.4 442	11.1 282	13.2 335	8.82 4	144
EJECTOR E 25	109205020	3 x 4 x 11	17.4 442	11.1 282	13.2 335	8.82 4	144
EJECTOR E 30	109205010	3 x 4 x 11	17.4 442	11.1 282	13.2 335	8.82 4	144



NOTES

JET & CENTRIFUGAL



SUBMERSIBLE PUMPS

WHEN THE GOING GETS TOUGH...



MAKING WATER EASY

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NOVA

SUBMERSIBLE PUMP FOR CLEAR WATER



Submersible pump for drainage also rainwater in residential building service. The Nova series has been redesigned to mark forty years of commercialization, making it even more reliable, resistant and ergonomic. It can also be used for emptying tanks or cisterns.

It is suitable for fixed or portable installations and it is available in the automatic version with the integrated float switch or in the manual version without the float. The pump is suitable for draining flooded basements, cellars and garages or to prevent flooding when installed in rainwater collection wells, and can be used as a portable pump in emergency situations to drain water from flooded premises. A 90° fitting is provided for vertical delivery. The pump body, the impeller and the suction grid are in technopolymer, the motor shaft in stainless steel. Thermal protection incorporated in all single-phase versions. It can work in dry run for up to 1 minute. 0.4 in free passage. In compliance with CSA Standards C22.2 No.108 - 14, UL Standard No. 778.

Flow rate minimum and maximum
from 4.4 to 70.4 GPM (1 m³/h to 16 m³/h)

Head up to 33 ft (10.2 m)

Type of pumped liquid
drainage water, mostly clear, rainwater

Free passage
0.2" or 0.4" (5 or 10 mm) depending on the model

Supported liquid temperature (maximum and minimum)

from 32°F to +95°F (0°C to +35°C) for domestic use
from 32°F to +122°F (0°C to +50°C) other use

Outlet connection threaded 1" 1/4

Impeller material technopolymer

Class of protection IP 68

Motor insulation class F

Dry run time 1 minute

Possible type of installation
fixed or portable in vertical position



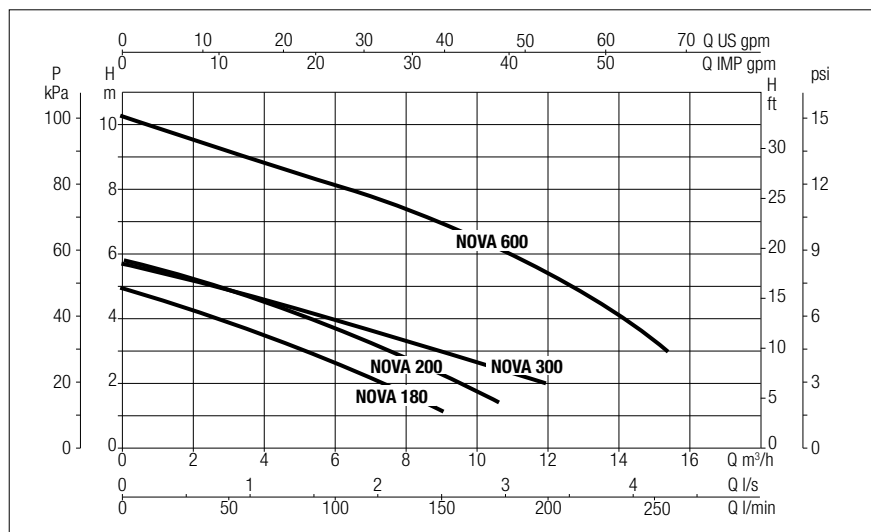
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TECHNICAL DATA

MODEL	CODE
NOVA 180 MA	60198429H
NOVA 180 MNA	60200868H
NOVA 200 MNA	60200869H
NOVA 300 MA	60198428H
NOVA 600 MA	60198425H
NOVA 600 MNA	60200870H

ELECTRICAL DATA							
VOLTAGE 60 Hz	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR		
		kW	HP		μF	Vc	
115-120	0.3	0.1	0.2	2.9	12.5	250	
115-120	0.3	0.1	0.2	2.9	12.5	250	
115-120	0.4	0.2	0.3	3.8	20	250	
115-120	0.4	0.2	0.3	3.9	20	250	
115-120	0.7	0.5	0.6	6.4	20	250	
115-120	0.7	0.5	0.6	6.4	20	250	

RANGE PERFORMANCE

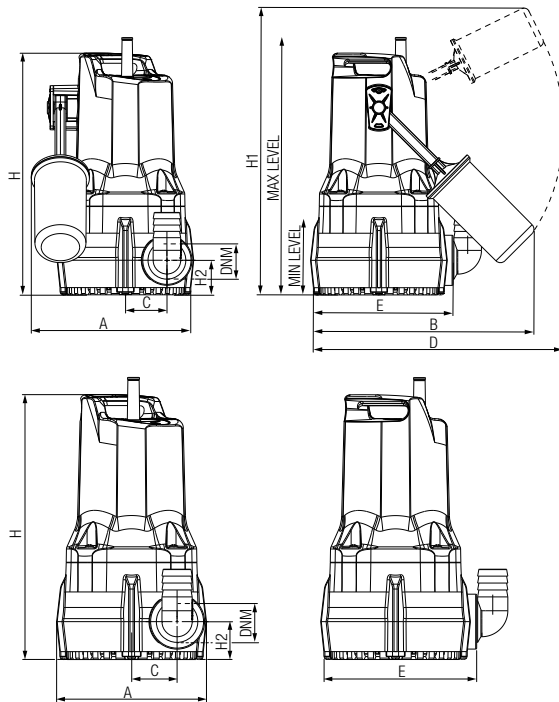


NOVA

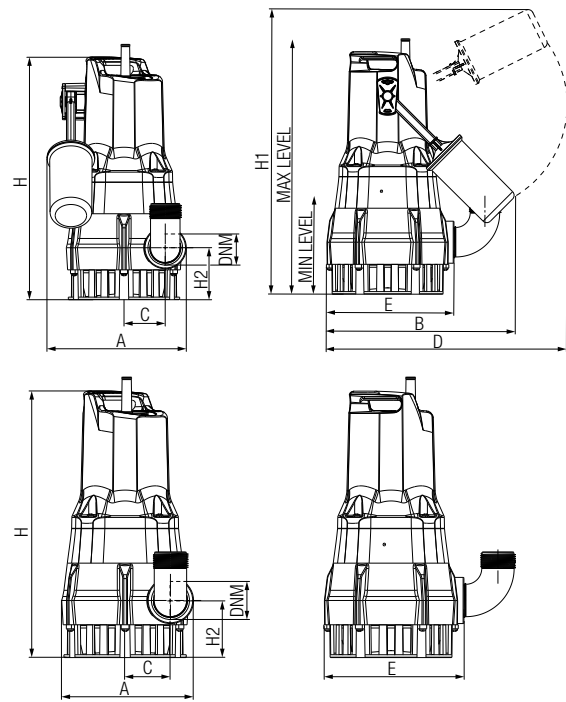
SUBMERSIBLE PUMP FOR CLEAR WATER

DIMENSIONS AND WEIGHT

NOVA 180/200



NOVA 300/600



MODEL	Units	A	B	C	D	E	H	H1	H2	LEV. MIN	DNM NPT	PACKING DIMENSIONS			CABLE LENGTH	VOLUME	WEIGHT
												L/A	L/B	H			
NOVA 180 MA	inches	7.1	9.7	1.8	11.7	6.2	10.6	13.6	1.5	3	1"1/4	11.3	8	12.6	16 ft	0.7 ft ³	10.1 lbs
	mm	180	247	46	296	158	268	345	38	77		287	202	320	5 m	0.019 m ³	4.6 kg
NOVA 180 MNA	inches	5.9	-	1.8	-	6.2	10.6	-	1.5	-	1"1/4	11.3	8	12.6	16 ft	0.7 ft ³	10.1 lbs
	mm	151	-	46	-	158	268	-	38	-		287	202	320	5 m	0.019 m ³	4.6 kg
NOVA 200 MNA	inches	5.9	-	1.8	-	6.2	10.6	-	1.5	-	1"1/4	11.3	8	12.6	16 ft	0.7 ft ³	10.1 lbs
	mm	151	-	46	-	158	268	-	38	-		287	202	320	5 m	0.019 m ³	4.6 kg
NOVA 300 MA	inches	7.1	9.7	1.8	11.7	6.2	10.9	13.9	1.9	3.3	1"1/4	11.3	8	12.6	16 ft	0.7 ft ³	10.1 lbs
	mm	180	247	46	296	158	277	354	47	85		287	202	320	5 m	0.019 m ³	4.6 kg
NOVA 600 MA	inches	7.4	10	2.2	11.7	6.9	13	17.4	2.8	7.5	1"1/4	11.3	8	17	16 ft	0.9 ft ³	15.4 lbs
	mm	189	255	56	296	174	329	443	71	190		287	202	431	5 m	0.025 m ³	7 kg
NOVA 600 MNA	inches	6.4	-	2.2	-	6.9	13	-	2.8	-	1"1/4	11.3	8	17	16 ft	0.9 ft ³	15.4 lbs
	mm	163	-	56	-	174	329	-	72	-		287	202	431	5 m	0.025 m ³	7 kg

NOVA 4100

SUBMERSIBLE PUMP FOR CLEAR WATER



Submersible pumps specifically designed for the re-circulation of water in ponds, to create waterfalls and water features.

Suitable for continuous operation.

Construction features of the pump:

Hydro resistant technopolymer pump body, wear-free impellers, cover, and suction grid. Corrosion and oxidation resistant materials.

Construction features of the motor:

Submersible type continuous duty asynchronous motor. Thermal overload protection.

Wear-resistant motor shaft.

Operating range

from 1 to 3600 gpm (0.2 m³/h to 817.6 m³/h) with head up to 31 ft (9 m).

Pumped liquid temperature range

from +32°F (0°C) to +95°F (35°C).

Max. Submersion 22 ft (7 m)

Protection class IP 68.

Insulation class F.

Installation Vertical or horizontal.

Standard power input

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

single-phase 1 x 220-240 V~ 60 Hz.

Pumped liquid clean water, without fibres and with particles with maximum diameter 0.393 in (10 mm).



ACCESSORIES
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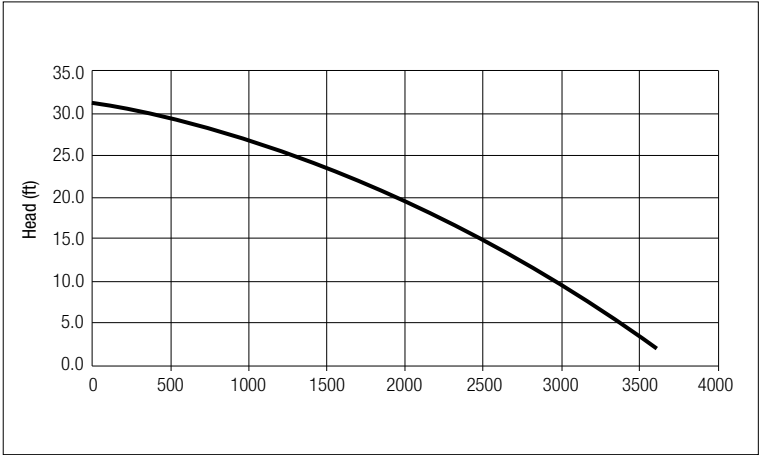
TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA				
		VOLTAGE 60 Hz	P1 MAX kW	P2 NOMINAL		In A
				kW	HP	
NOVA 4100 V115/60 16' SJTOW	60176092	1 x 115~	0.67	0.38	0.5	3.2
NOVA 4100 V115/60 100' SJTOW	60176098	1 x 115~	0.67	0.38	0.5	7.1
NOVA 4100 V230/60 100' SJTOW	60178448	1 x 230~	0.67	0.38	0.5	7.1
NOVA 4100 V230/60 16' SJTOW	60178449	1 x 230~	0.67	0.38	0.5	3.2

NOVA 4100

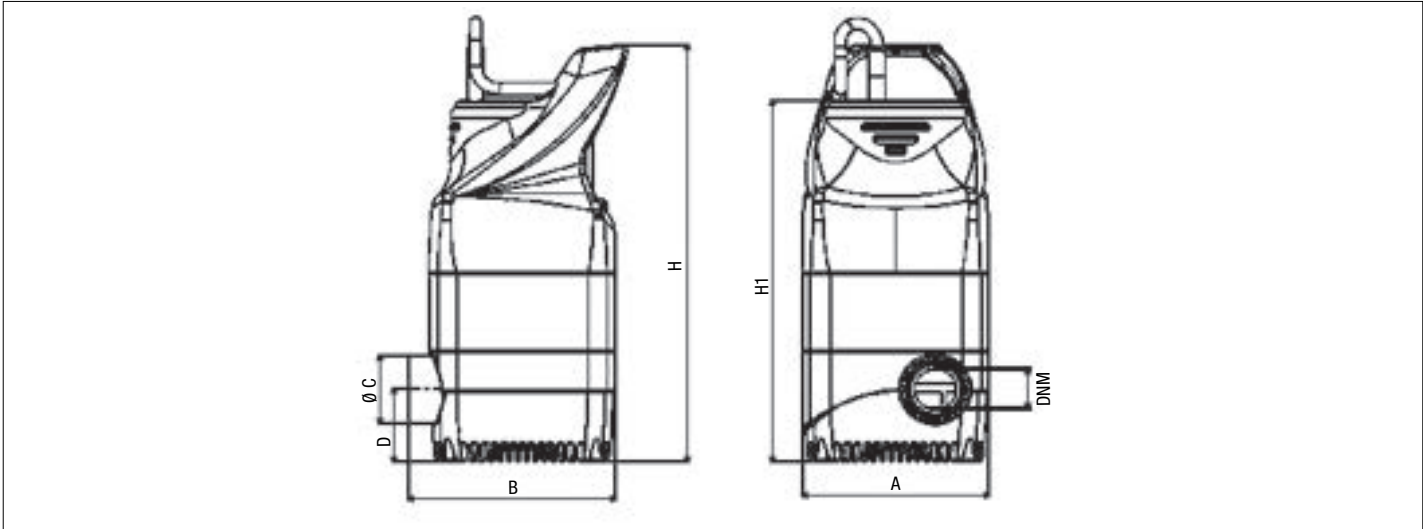
SUBMERSIBLE PUMP FOR CLEAR WATER

RANGE PERFORMANCE



MODEL	Q=gph	0	300	600	900	1200	1500	1800	2100	2400	2700	3000	3300	3600
	Q=l/min	0	19	38	57	76	95	114	132	151	170	189	208	227
NOVA 4100	H (ft)	31.2	30.2	28.9	27.3	25.6	23.5	21.2	18.7	15.9	12.9	9.6	6.0	2.3
	H (m)	9.5	9.2	8.8	8.3	7.8	7.2	6.5	5.7	4.8	3.9	2.9	1.8	0.7

DIMENSIONS AND WEIGHT



MODEL	units	A	B	Ø C	D	H	H1	DNM NPT	PACKING DIMENSIONS			CABLE LENGTH	Q.TY x PALLET	WEIGHT
									L/A	L/B	H			
NOVA 4100 16'	inch	5.5	6.1	2.1	2.2	12.8	11.0	1" ¼	7.6	7.6	14.8	16 ft	72	14.8 lbs
	mm	140	155	53	56	325	279		193	193	376	5 m		6.7 kg
NOVA 4100 100'	inch	5.5	6.1	2.1	2.2	12.8	11.0	1" ¼	7.6	7.6	14.8	100 ft	72	15.9 lbs
	mm	140	155	53	56	325	279		193	193	376	30 m		7.2 kg

NOVA UP

SUBMERSIBLE PUMPS



Vertical flow drainage pump in an automatic or manual version with removable filter for suction down to 0.1 inch, features that make it a strong pump and allow for installation versatility.

These pumps can be used with liquids that contain solids of a maximum size up to 0.4 in.

Pump body, impeller, Cap and grille in technopolymer.

The motor, rotor shaft and screws in stainless steel.

Triple O-ring seal with interposed oil Chamber.

Asynchronous submersible motor for continuous operation. Stator in a sealed stainless steel enclosure.

Rotor mounted on ball bearings greased for life and oversized. Thermal protection incorporated and CAP-ACITOR permanently connected.

In compliance with CSA Standards C22.2 No.108 - 14, UL Standard No. 778.

Operating range

from 4.4 to 66 gpm (1 to 15 m³/h) with TDH up to 33 ft (10 m)

Temperature range of the liquid

from 32°F to +95°F (0°C to +35°C) for domestic use

Pumped liquid temperature

grey waters without fibers

Minimum depth

NOVA UP 300M-A 4.7" (120 mm)

NOVA UP 300M-NA 2.4" (60 mm)

NOVA UP 600M-A 6.5" (165 mm)

NOVA UP 600M-NA 2.8" (70 mm)

Maximum immersion depth 23 ft (7 m)

Installation vertical, fixed or portable

Degree of protection IP 68

Insulation class F

TECHNICAL DATA

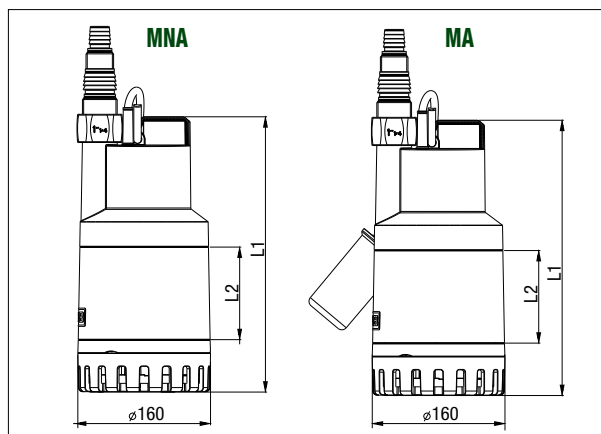
MODEL	CODE	ELECTRICAL DATA						
		VOLTAGE 60 Hz	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
				kW	HP		mF	Vc
NOVA UP 300 MA	60164179.	115	0.38	0.17	0.23	2.8	12.5	250
NOVA UP 600 MA	60164180.	115	0.78	0.45	0.61	5.6	20	250
NOVA UP 300 MNA	60164181.	115	0.38	0.17	0.23	2.8	12.5	250
NOVA UP 600 MNA	60164182.	115	0.78	0.45	0.61	5.6	20	250

RANGE PERFORMANCE

MODEL	Q=GPM	0	4.4	8.8	13.2	19.8	22	26.4	30.8	33	39.6	44	52.8	59.4
	Q=l/min	0	16.6	33.3	50	75	83.3	100	116.6	125	150	166.6	200	225
NOVA UP 300 MA	H (ft)	25	23	21	18	15	14	12	9	8	3			
	H (m)	7.6	6.9	6.25	5.6	4.7	4.4	3.6	2.8	2.3	1			
NOVA UP 600 MA	H (ft)	32	31	30	28	25	24	22	20	19	15	13	7	1
	H (m)	9.8	9.4	9	8.5	7.7	7.4	6.8	6.2	5.9	4.7	3.9	2	0.3
NOVA UP 300 MNA	H (ft)	25	23	21	18	15	14	12	9	8	3			
	H (m)	7.6	6.9	6.25	5.6	4.7	4.4	3.6	2.8	2.3	1			
NOVA UP 600 MNA	H (ft)	32	31	30	28	25	24	22	20	19	15	13	7	1
	H (m)	9.8	9.4	9	8.5	7.7	7.4	6.8	6.2	5.9	4.7	3.9	2	0.3

DIMENSIONS AND WEIGHT

MODEL	Unit	L1	L2	DNM NPT	PLUG	LENGTH OF THE CABLE	WEIGHT	Q.TY X PALLET
NOVA UP 300 MA	inch	11.6	3	1" ¼	US	26 ft	12.8 lbs	39
	mm	295.3	75.9			8 m	5.8 kg	
NOVA UP 300 MNA	inch	11.6	3	1" ¼	US	26 ft	12.3 lbs	39
	mm	295.3	75.9			8 m	5.6 kg	
NOVA UP 600 MA	inch	13.1	4.4	1" ¼	US	26 ft	16.1 lbs	26
	mm	332	111.6			8 m	7.3 kg	
NOVA UP 600 MNA	inch	13.1	4.4	1" ¼	US	26 ft	15.7 lbs	26
	mm	332	111.6			8 m	7.1 kg	



VERTY NOVA

INTEGRATED FLOAT SWITCH SUBMERSIBLE PUMPS



Submersible pumps specifically designed for uses in narrow pits with dimensions down to 7.9 in x 7.9 in (20 cm x 20 cm). Suitable to pump clear water containing particles with maximum diameter up to 0.2" (5 mm)

Pump with built-in float switch

Anti-corrosive and rust-proof materials.
Integrated float switch.

Low suction capability: 0.1" (3 mm) (manual mode).

Very low priming and STARTING level of the pump:

0.4 – 0.6" (10-15 mm) (manual mode).

Lever for manual or automatic operation.

Easy access through sliding cover to float switch for cleaning.

Motor with thermal overload protection.

Excellent cooling of the motor that enables the pump to operate even when it is partially submerged.

Supplied with power cable with plug, non return valve and 4-step fitting.

In compliance with CSA Standards

C22.2 No.108 - 14, UL Standard No. 778

Operating range

from 4.4 to 52.8 gpm (1 to 12 m³/h)
with head up to 30 ft (9 m)

Liquid temperature range

from 32°F to +95°F (0°C to +35°C) for domestic use

Pumped liquid grey water without fibres

Pump priming level 0.4" - 0.6" (10-15 mm) in manual operation

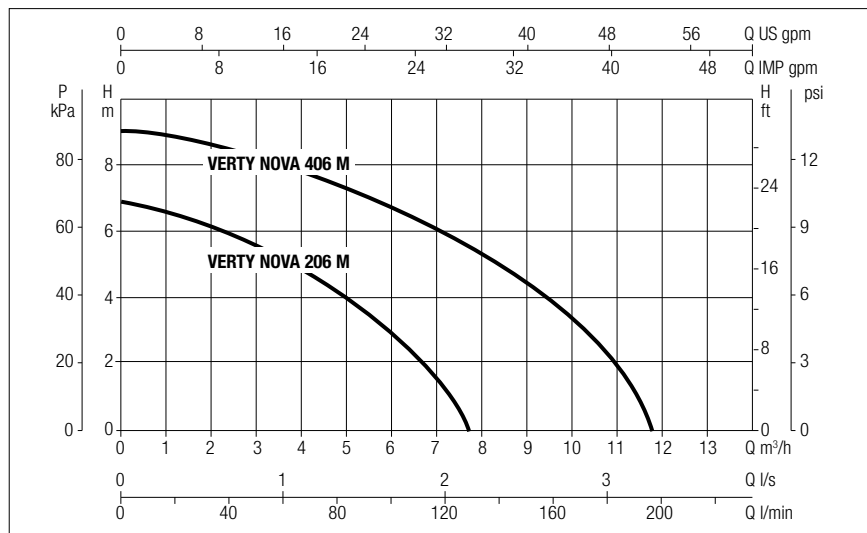
Max. immersion depth 23 ft (7 m)

TECHNICAL DATA

MODEL	CODE
VERTY NOVA 206 M	60146276H
VERTY NOVA 406 M	60146278H

ELECTRICAL DATA							
VOLTAGE 60 Hz	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR		
		kW	HP		µF	Vc	
1x115 V~	0.33	0.18	0.25	2.7	12.5	250	
1x115 V~	0.67	0.37	0.5	7	20	250	

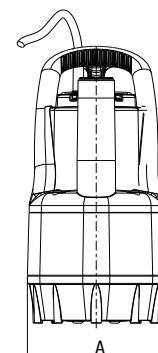
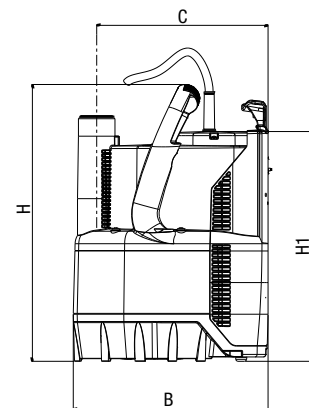
RANGE PERFORMANCE



DIMENSIONS AND WEIGHT

MODEL	units	A	B	C	Ø D	H	H1	DNM (NPT)	CABLE ft	Q.TY x PALLET	WEIGHT lbs
VERTY NOVA 206 M	inch	6.2	8.9	7.9	1.3	15.7	10.4	1" 1/4	16 ft	40	9.3 lbs
	mm	158	225	200	33	400	265	1" 1/4	5 m	40	4.2 kg
VERTY NOVA 406 M	inch	6.2	8.9	7.9	1.3	15.7	10.4	1" 1/4	16 ft	40	11.2 lbs
	mm	158	225	200	33	400	265	1" 1/4	5 m	40	5.1 kg

DIMENSIONS



FEKA

SUBMERSIBLE PUMPS FOR EFFLUENT



Submersible pumps suitable for draining and lifting effluent wastewater and rainwater in residential building service. The pumps have been redesigned on the occasion of the forty year anniversary, making them even more reliable, resistant and ergonomic.

The impeller in technopolymer allows the passage of solid bodies up to 1" (25mm). The pumps are designed for fixed or mobile installations and are available in automatic versions with integrated float switch or in manual version without float.

The pump body and the inlet grid are in technopolymer, the motor shaft in AISI 431 motor shaft suitable for light salty water.

Robust and reliable, they have a triple ring seal in oil bath and an asynchronous motor with continuous service. Stator inserted in an airtight stainless steel casing and rotor mounted on oversized ball bearings to increase its durability.

Thermal protection incorporated in all single-phase versions. The pumps can run dry for up to 1 minute. New sealed cable gland design and new motors, more compact and efficient. Impeller bolt sealing to prevent corrosion at bolt motor shaft. In compliance with CSA Standards C22.2 No.108 - 14, UL Standard No. 778.

Flow rate minimum and maximum
from 4.4 to 70.4 gpm (1 to 16 m³/h)

Head up to 25 ft (7.5 m)

Type of pumped liquid wastewater and rainwater

Free passage 1" (25 mm)

Supported liquid temperature (maximum and minimum) from 32°F to +95°F (0°C to +35°C) for domestic use

Class of protection IP 68

Motor insulation class F

Possible type of installation
fixed or portable in vertical position



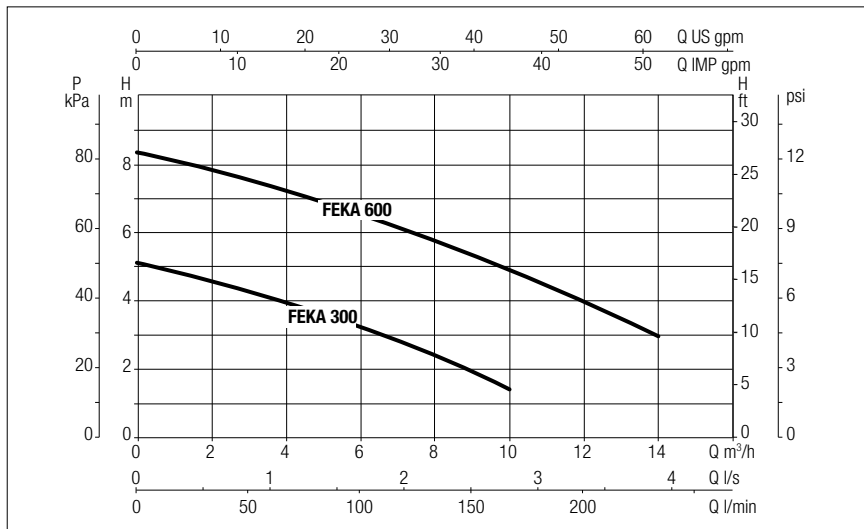
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TECHNICAL DATA

MODEL	CODE
FEKA 300 MA	60198427H
FEKA 300 MNA	60200871H
FEKA 600 MA	60198424H
FEKA 600 MNA	60200872H

ELECTRICAL DATA							
VOLTAGE 60 Hz	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR		
		kW	HP		μF	Vc	
115-120	0.4	0.2	0.3	4.0	20	250	
115-120	0.4	0.2	0.3	4.0	20	250	
115-120	0.7	0.5	0.6	6.3	20	250	
115-120	0.7	0.5	0.6	6.3	20	250	

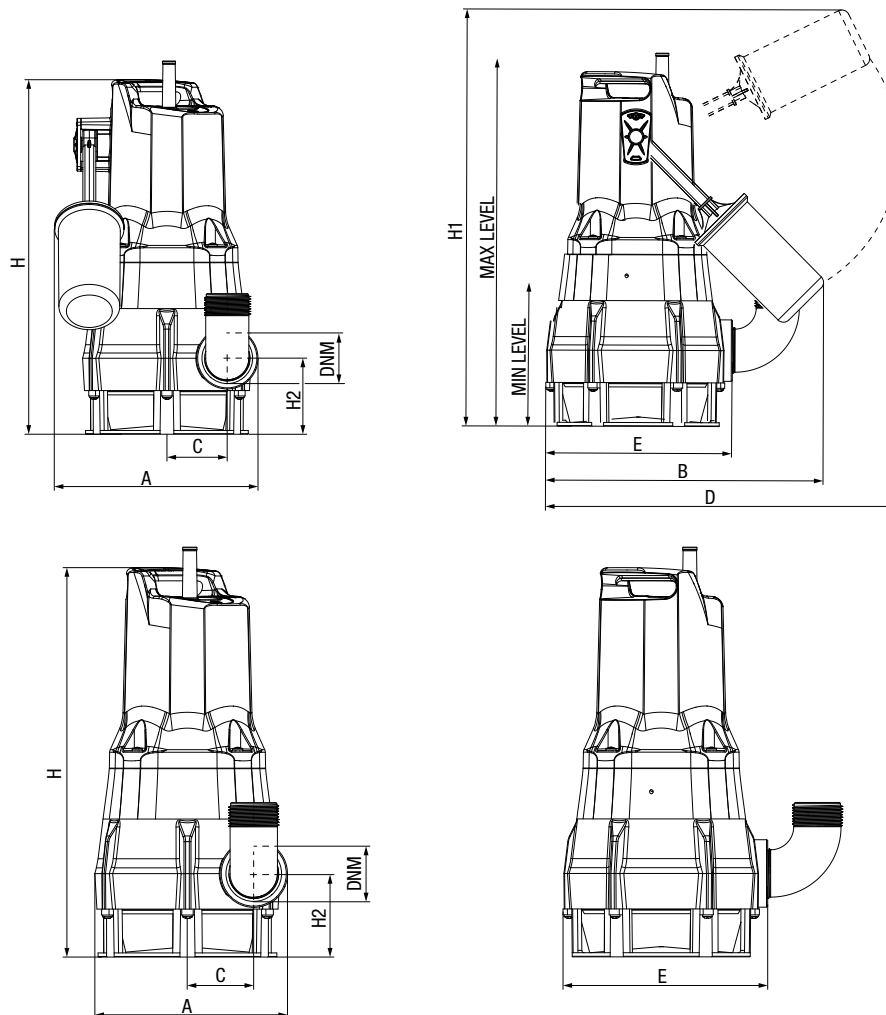
RANGE PERFORMANCE



FEKA

SUBMERSIBLE PUMPS FOR EFFLUENT

DIMENSIONS AND WEIGHT



MODEL	units	A	B	C	D	E	H	H1	H2	LEV. MIN	DNM NPT	PACKING DIMENSIONS			CABLE LENGTH	VOLUME	WEIGHT
												L/A	L/B	H			
FEKA 300 MA	inch	7.4	10	2.2	11.7	6.9	13	14	2.8	3.7	1"1/4	11.3	8	17	16 ft	0.9 ft ³	10.1 lbs
	mm	189	255	56	296	174	329	355	71	95		287	202	431	5 m	0.025 m ³	4.6 kg
FEKA 300 MNA	inch	6.4	-	2.2	-	6.9	13	-	2.8	-	1"1/4	11.3	8	17	16 ft	0.9 ft ³	10.4 lbs
	mm	163		56		174	329		71			287	202	431	5 m	0.025 m ³	4.7 kg
FEKA 600 MA	inch	7.4	10	2.2	11.7	6.9	13.7	17.4	2.8	7.5	1"1/4	11.3	8	17	16 ft	0.9 ft ³	15.4 lbs
	mm	189	255	56	296	174	349	443	71	190		287	202	431	5 m	0.025 m ³	7 kg
FEKA 600 MNA	inch	6.4	-	2.2	-	6.9	13.7	-	2.8	-	1"1/4	11.3	8	17	16 ft	0.9 ft ³	15.4 lbs
	mm	163		56		174	349		71			287	202	431	5 m	0.025 m ³	7 kg

FEKA BVP

SEWAGE PUMPS



Powerful submersible pumps for drainage and emptying duty. Designed for pumping sewage water containing solid particles of no more than 1.5" (38 mm) in diameter.

Anti-corrosion and anti-oxidation materials.

Motor with THERMALPROTECTION against overheating. Wear-resistant motor shaft and impeller.

Excellent motor cooling to allow pump to run even when only partially submerged.

Automatic version equipped with float switch for automatic STARTING and stopping of the pump, and Manual version.

Equipped with power cable with plug, and 3-level union, without check valve. In compliance with CSA Standards C22.2 No.108 - 14, UL Standard No. 778.

Operating range

from 4.4 to 105.7 gpm (1 to 24 m³/h) with head up to 39 ft (12 m)

Liquid temperature range

from 32°F to +95°F (0°C to +35°C)

Pumped liquid

Sewage water with maximum solid particle size 1.5" (38mm)

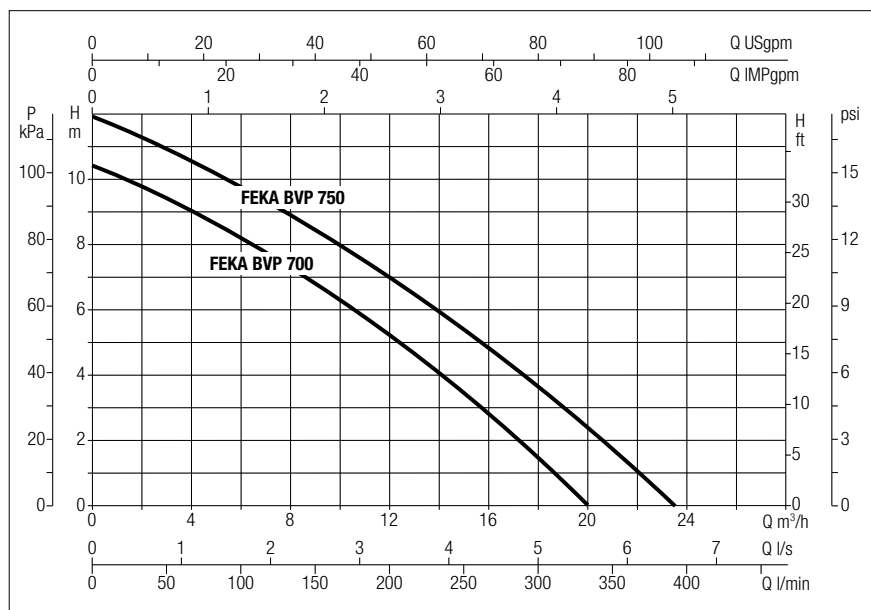
Max. immersion depth 23 ft (7 m)

TECHNICAL DATA

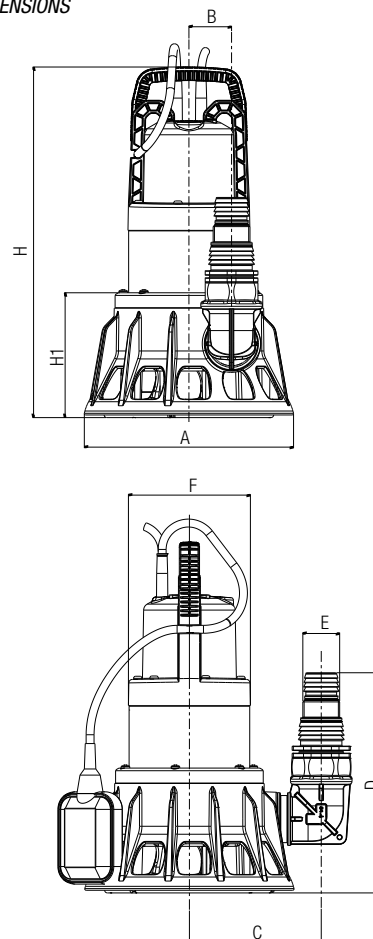
MODEL	CODE
FEKA BVP 700 M-A	60152204H
FEKA BVP 750 M-A	60146279H

ELECTRICAL DATA						
VOLTAGE 60 Hz	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
		kW	HP		μF	Vc
1x115 V~	1.10	0.71	0.95	10.4	30	250
1x115 V~	1.10	0.71	0.95	10.5	30	250

RANGE PERFORMANCE



DIMENSIONS



DIMENSIONS AND WEIGHT

MODEL	units	A	B	C	D	E (NPT)	F	H	H1	DNM (NPT)	CABLE ft	WEIGHT lbs	Q.TY x PALLET
FEKA BVP 700 M-A	inch	9.4	1.9	5.9	9.8	1" 1/4	5.5	15.7	5.6	1" 1/2	16 ft	17.6 lbs	27
	mm	240	49	150	250	1" 1/4	140	400	142	1" 1/2	5 m	8 kg	
FEKA BVP 750 M-A	inch	9.4	1.9	5.9	9.8	1" 1/4	5.5	15.7	5.6	1" 1/2	16 ft	17.6 lbs	27
	mm	240	49	150	250	1" 1/4	140	400	142	1" 1/2	5 m	8 kg	

DRENAG 1000, DRENAG 1200

SUBMERSIBLE PUMPS



Submersible electric pump in AISI 304 Stainless Steel: pump body, impeller, motor flange, filter and filter cover, motor casing, outer casing with handle, cable compartment cover.

Shaft in AISI 316 stainless steel.

Handle coated with insulating rubber.

Double mechanical seal with oil chamber interposed, carbon/alumina on motor side and silicon/silicon carbide on pump side.

Dry motor, asynchronous, watertight, cooled by the pumped liquid itself.

Standard thermal protection in the winding. Capacitor permanently on in the single-phase version. 33 ft (10 m) power cables

All models can be supplied either with or without float.

In compliance with CSA Standards C22.2 No.108 - 14, UL Standard No. 778.

Operating range

from 13.2 to 105.37 gpm (3 to 24 m³/h) with head up to 47 ft (14.2 m)

Liquid temperature range

from 32°F to +95°F (0°C to +35°C) for domestic use from 32°F to +122°F (0°C to +50°C)

Pumped liquid characteristics

rain water, ground water, sandy water from building yards and clean waste waters, not aggressive

Maximum working temperature

+104°F (40°C) with the motor out of the water

Free passage through the suction grid 0.4" (10 mm)

Maximum immersion depth 23 ft (7 m)

Protection level IP 68

Insulation class F

Installation fixed or portable, in a vertical position

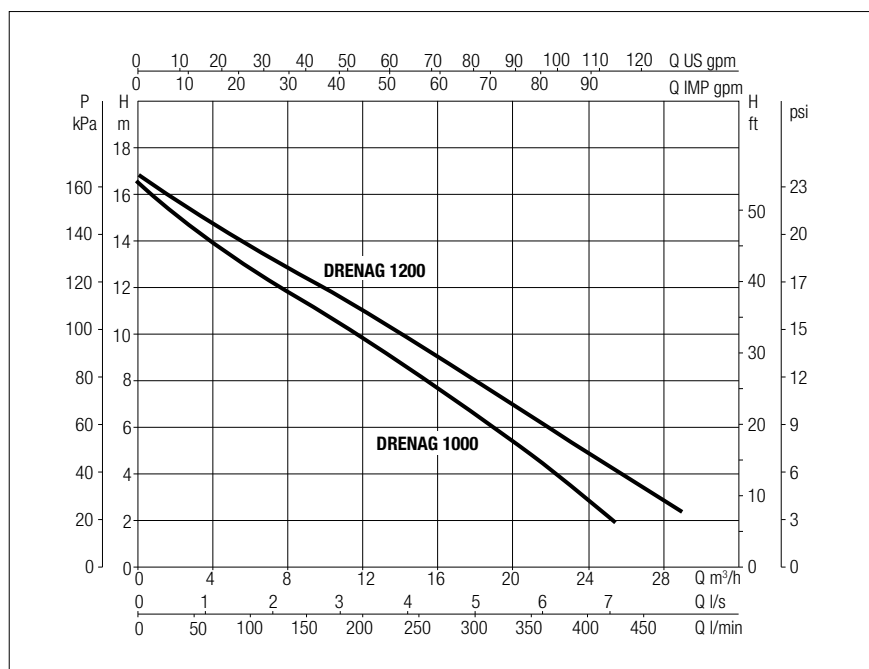


ACCESSORIES
PAGE 89

TECHNICAL DATA

MODEL	CODE	ELECTRICAL DATA						
		VOLTAGE 60 Hz	P1 MAX kW	P2 NOMINAL		In A	CAPACITOR	
				kW	HP		µF	Vc
DRENAG 1000 MA	60193466H	1 ~ 220-230V	1.43	1	1.36	6.63	25	450
DRENAG 1000 MNA	60193468H	1 ~ 220-230V	1.43	1	1.36	6.63	25	450
DRENAG 1200 MA	60193467H	1 ~ 220-230V	1.65	1.2	1.6	8.63	30	450
DRENAG 1200 MNA	60193469H	1 ~ 220-230V	1.65	1.2	1.6	8.63	30	450

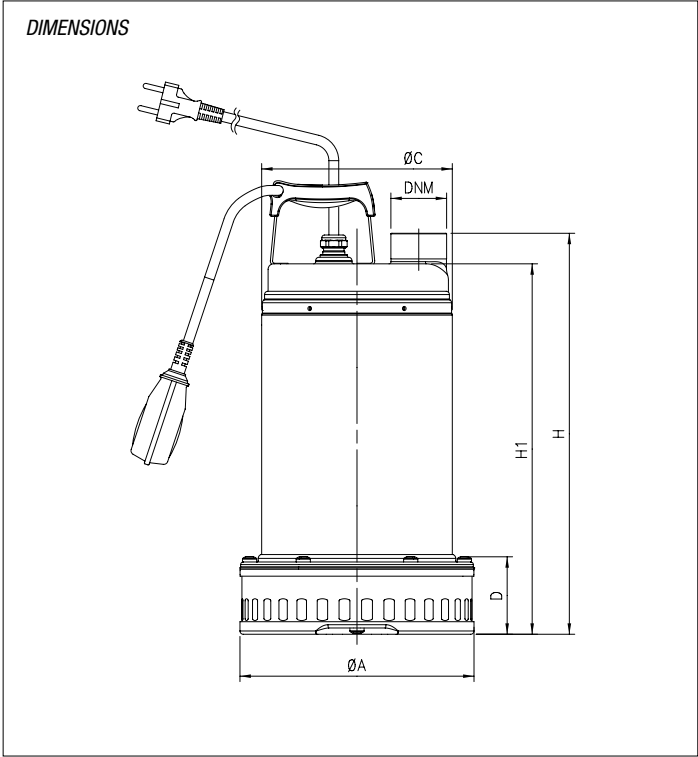
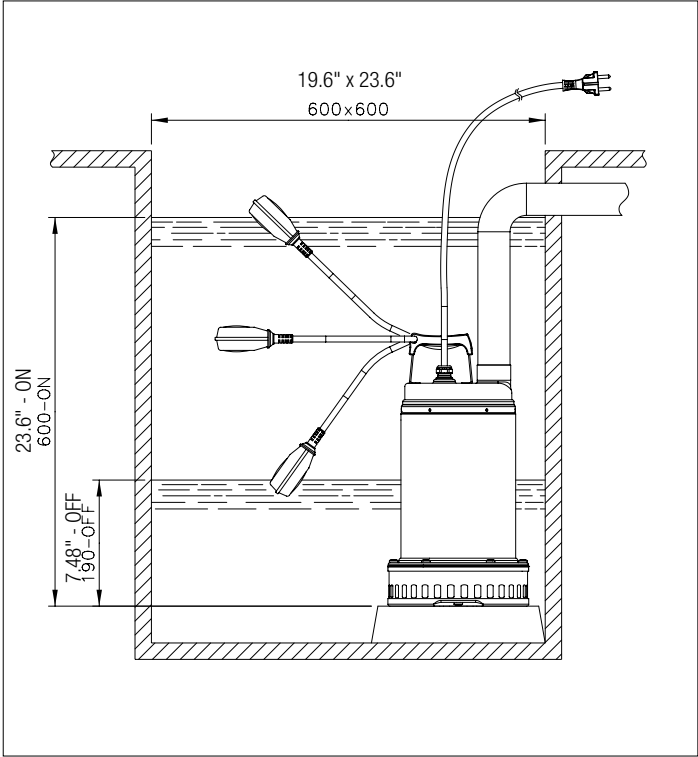
RANGE PERFORMANCE



DRENAG 1000, DRENAG 1200

SUBMERSIBLE PUMPS

INSTALLATION



DIMENSIONS AND WEIGHT

MODEL	UNITS	$\varnothing A$	$\varnothing B$	H	H1	$\varnothing DNM$ (NPT)	PACKING DIMENSIONS			CABLE LENGTH	FREE PASSAGE	WEIGHT
							L/A	L/B	H			
DRENAG 1000	inches	8.5	6.9	2.8	15.2	1" ½	9.4	23.6	9.8	33 ft	0.4	37.5 lbs
	mm	215	175	71	385		240	600	250	10 m	10	17 kg
DRENAG 1200	inches	8.5	6.9	2.8	15.2	1" ½	9.4	23.6	9.8	33 ft	0.4	40.8 lbs
	mm	215	175	71	385		240	600	250	10 m	10	18.5 kg

DRENAG FX

SUBMERSIBLE PUMPS FOR DRAINAGE OF SANDY WATER AND WATER FROM CONSTRUCTION SITE



Submersible pump for the draining clear water, ground-water or rainwater in commercial building service; the pumps is suitable for applications requiring with high head.

In compliance with CSA Standards C22.2 No.108 - 14, UL Standard No. 778. Suitable for fixed installations with coupling device or mobile if placed directly on the bottom of the tank. The reduced dimensions and the outlet connection both flanged and threaded make it ideal for replacements. Designed for fast maintenance thanks to a construction solution that provides easy access to the main components of the pump. Open impeller and anti-wear rubber disc for use even in the presence of abrasive particles. Double mechanical seal in silicon carbide completely protected in an oil chamber and not in contact with the pumped liquid. Motor shaft in stainless steel AISI 431 for P2 < 1.2 kW and AISI 304 for P2 > 1.5 kW, resin cable gland with quick coupling. Single-phase versions with integrated capacitor, available with float for automatic operation (MA) with powers up to 1.5 kW. In the three-phase versions the protection is the responsibility of the user.

IECEX (Ex db IIB T4 Gb) available starting from 2022.

Flow rate maximum 87 gpm (19.8 m³/h)

Head up to 104 ft (32 m)

Type of pumped liquid

clear water, rainwater and sandy water from construction site

Free passage 0.4 in (10 mm)

Supported liquid temperature 122°F (+50°C)

Delivery PUMP port DRENAG FX 15.xx, flanged DN32/DN40, threaded 1" 1/2 GAS

90° elbow port (included with the pump)

DRENAG FX 15.xx, threaded 1" 1/2 NPT

Impeller type open

Power cable length 10 m (32 ft)

Motor insulation class F

Dry run time 10 min

DRENAG FX



ACCESSORIES
PAGE 89

TECHNICAL DATA

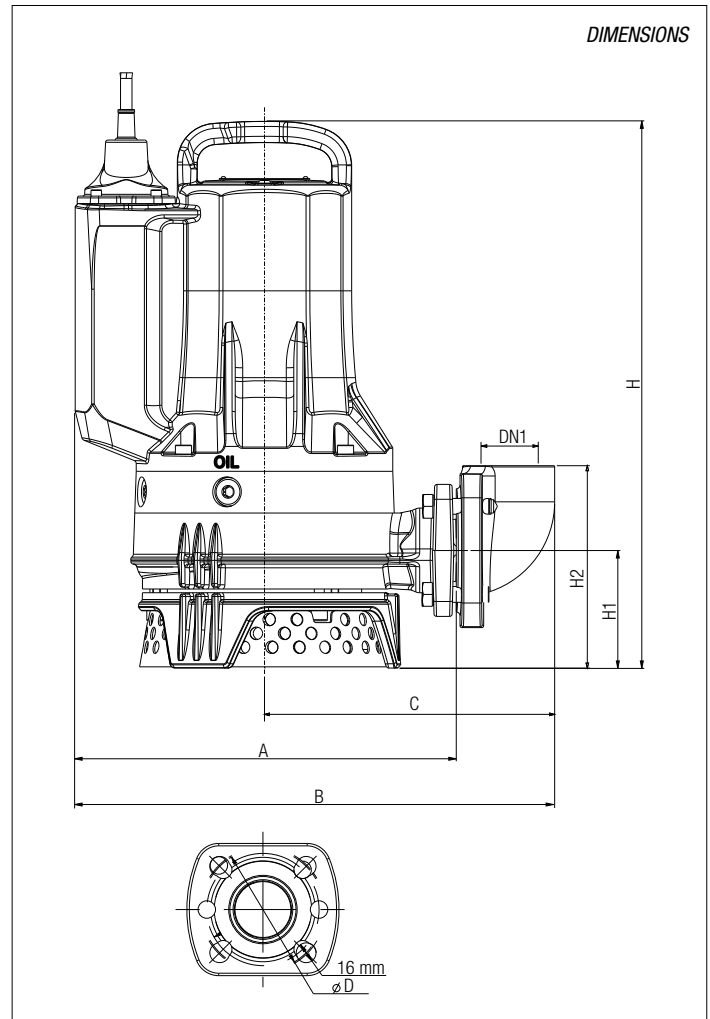
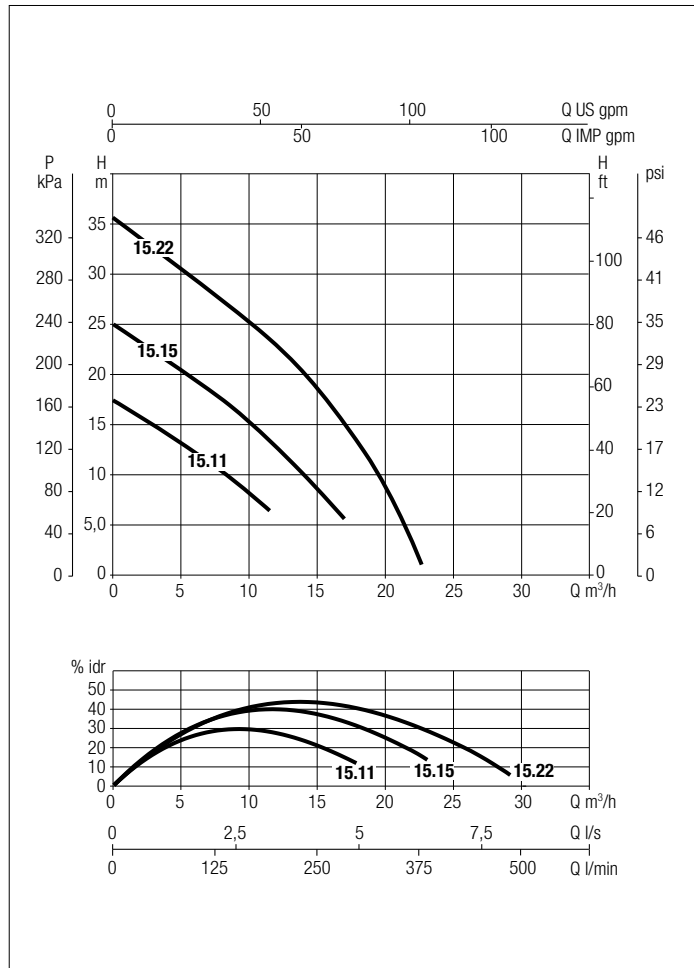
MODEL	CODE	POWER INPUT 60Hz	HP	In A	CAPACITOR *	NUMBER OF POLES
DRENAG FX 15.11 TNA	60194168	208-240/3/60	3/4	4.23 - 4.4	-	2
DRENAG FX 15.11 MNA	60194114	208-240/1/60	3/4	5.87 - 6.08	Internal (30uF)	2
DRENAG FX 15.11 TNA	60202934	575/3/60	3/4	1.6	-	2
DRENAG FX 15.15 TNA	60194224	208-240/1/60	1	5.8 - 5.96	-	2
DRENAG FX 15.15 MNA	60194116	208-240/1/60	1	8.16 - 8.17	External (30uF)	2
DRENAG FX 15.15 TNA	60200935	575/3/60	1	2.2	-	2
DRENAG FX 15.22 TNA	60194285	208-240/3/60	2	8.76 - 9.07	-	2
DRENAG FX 15.22 MNA	60194118	208-240/1/60	2	13 - 12.98	External (30uF)	2
DRENAG FX 15.22 TNA	60202936	575/3/60	2	3.2	-	2

* Internal capacitor provided with the pump, external capacitor to be installed in the pump control panel.

DRENAG FX

SUBMERSIBLE PUMPS FOR DRAINAGE OF SANDY WATER AND WATER FROM CONSTRUCTION SITE

RANGE PERFORMANCE



DIMENSIONS AND WEIGHT

MODEL	FREE PASSAGE (inches) (mm)	A (inches) (mm)	B (inches) (mm)	C (inches) (mm)	H (inches) (mm)	H1 (inches) (mm)	H2 (inches) (mm)	DELIVERY			PACKING DIMENSIONS				WEIGHT (lbs) (kg)
								GAS	DN1	HOLES	D (inches) (mm)	L/A (inches) (mm)	L/B (inches) (mm)	H (inches) (mm)	
DRENAG FX 15.11	0.4 10	12 305	15.2 385	9.2 233	15.9 404	3.4 86	6.1 155	1"1/2	1"1/2 NPT	4 (2)	3.9 - 3.5 100 - 90	26 660	14.6 370	15.7 400	77.2 35
DRENAG FX 15.15	0.4 10	12 305	15.2 385	9.2 233	16.3 414	3.4 86	6.1 155	1"1/2	1"1/2 NPT	4 (2)	3.9 - 3.5 100 - 90	26 660	14.6 370	15.7 400	83.8 38
DRENAG FX 15.22	0.4 10	12 305	15.2 385	9.2 233	16.9 429	3.4 86	6.1 155	1"1/2	1"1/2 NPT	4 (2)	3.9 - 3.5 100 - 90	26 660	14.6 370	15.7 400	86 39

GRINDER FX

SUBMERSIBLE PUMPS WITH CUTTING SYSTEM FOR SEWAGE



Submersible pump with shredder designed for lifting and transferring sewage water in commercial building service.

In compliance with CSA Standards C22.2 No.108 - 14, UL Standard No. 778 which applies to sewage lifting plants containing faecal material in buildings and construction sites.

Suitable for fixed installations with a coupling or mobile if the pump is placed directly on the bottom of the tank. Thanks to the shredder, the pump is suitable for installations with small diameter pipes or installation that require high pressures. High strength shredding system in AISI 630 steel. Double mechanical seal in silicon carbide completely protected in oil bath and not in contact with the pumped liquid. Motor shaft in AISI 304 stainless steel, resin-fastened cable gland. The reduced overall dimensions and the outlet ports both flanged and threaded make it ideal for replacements. Maintenance is fast due to its design that allows easy access to the pump's main components. Single-phase versions with integrated capacitor, available with float for automatic operation (MA) with powers up to 1.5 kW. In the three-phase versions the protection is the user's responsibility.

IECEX (Ex db IIB T4 Gb) available starting from 2022.

Flow rate maximum 87.2 gpm (19.8 m³/h)

Head up to 104 ft (32 m)

Type of pumped liquid loaded waters with filamentary bodies, paper or textile material

Nominal speed RPM 3480

Supported liquid temperature 122°F (+50°C)

Delivery pump port

GRINDER FX 15.xx, flanged DN32/DN40, threaded 1" 1/2 GAS

90° elbow port (included with the pump)

GRINDER FX 15.xx, threaded 1" 1/2 NPT

Impeller type Grinder

Power cable length 10 m (32 ft)

Motor insulation class F

Dry run time 10 min

GRINDER FX



ACCESSORIES
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TECHNICAL DATA

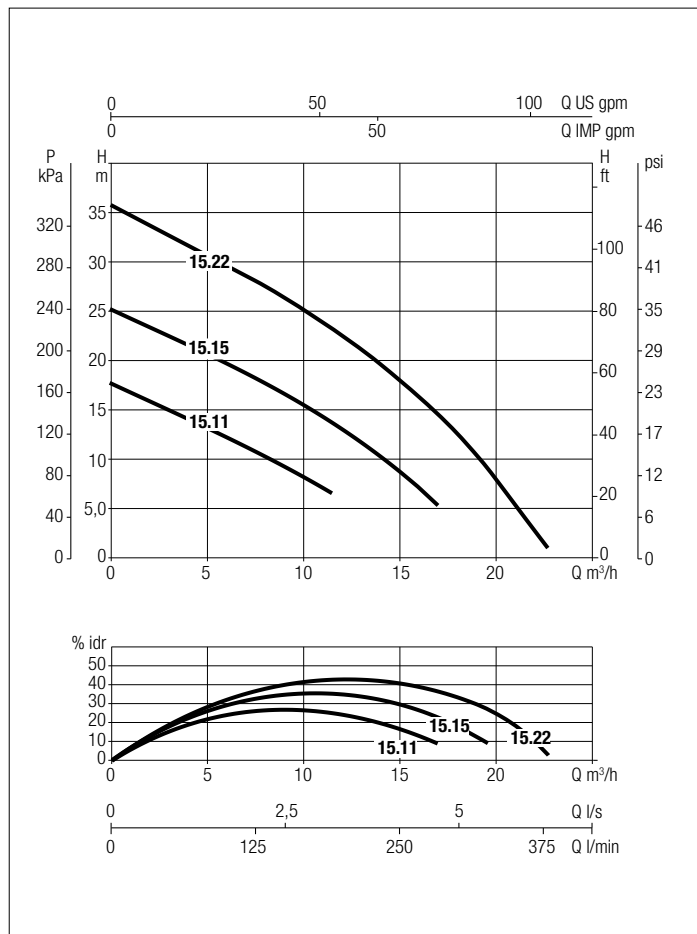
MODEL	CODE	POWER INPUT 60Hz	HP	In A	CAPACITOR *	NUMBER OF POLES
GRINDER FX 15.11 MNA	60194124	208-240/1/60	3/4	6.12 - 6.23	External - Run (30 uF) External - Start (105-126 uF)	2
GRINDER FX 15.11 TNA	60194177	208-240/3/60	3/4	4.4 - 4.55	-	2
GRINDER FX 15.11 TNA	60202943	575/3/60	3/4	1.6	-	2
GRINDER FX 15.15 TNA	60194232	208-240/3/60	1	6.2 - 6.29	-	2
GRINDER FX 15.15 MNA	60194126	208-240/1/60	1	8.4 - 8.26	External - Run (30 uF) External - Start (105-126 uF)	2
GRINDER FX 15.15 TNA	60202944	575/3/60	1	2.2	-	2
GRINDER FX 15.22 TNA	60194291	208-240/3/60	2	8.94 - 9.07	-	2
GRINDER FX 15.22 MNA	60194128	208-240/1/60	2	12.65 - 12.67	External - Run (40 uF) External - Start (105-126 uF)	2
GRINDER FX 15.22 TNA	60202945	575/3/60	2	3.1	-	2

* Internal capacitor provided with the pump, external capacitor to be installed in the pump control panel.

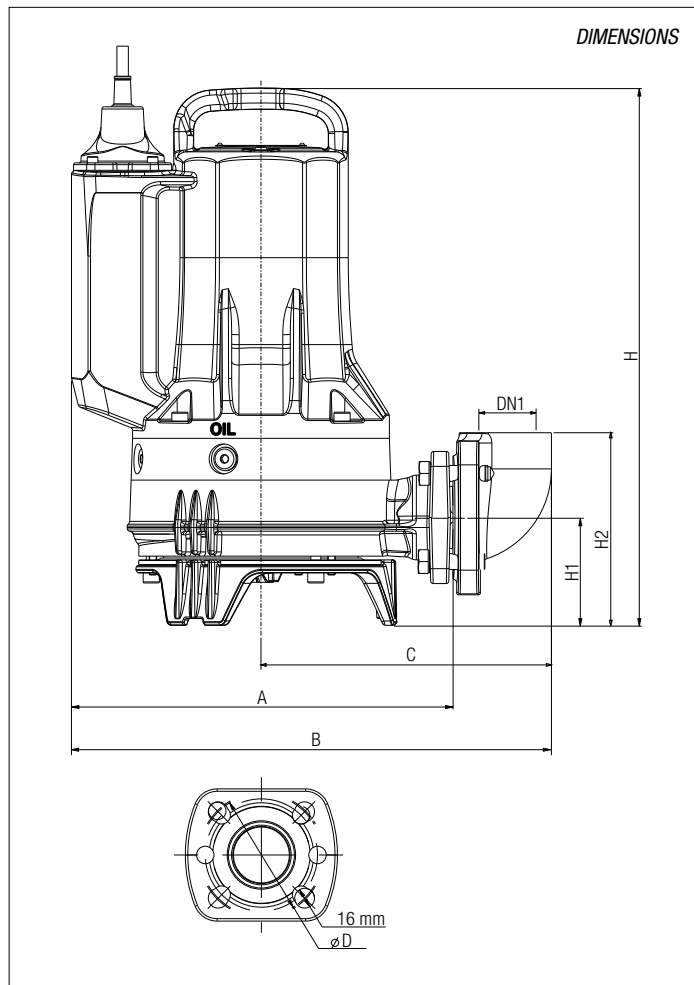
GRINDER FX

SUBMERSIBLE PUMPS WITH CUTTING SYSTEM FOR SEWAGE

RANGE PERFORMANCE



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



DIMENSIONS AND WEIGHT

MODEL	A (inches) (mm)	B (inches) (mm)	C (inches) (mm)	H (inches) (mm)	H1 (inches) (mm)	H2 (inches) (mm)	DELIVERY			PACKING DIMENSIONS				WEIGHT (lbs) (kg)
							GAS	DN1	HOLES	D (inches) (mm)	L/A (inches) (mm)	L/B (inches) (mm)	H (inches) (mm)	
GRINDER FX 15.11	12 305	15.2 385	9.2 233	15.9 404	3.4 86	6.1 155	1"1/2	1"1/2 NPT	4 (2)	3.9 - 3.5 100 - 90	26 660	14.6 370	15.7 400	77.2 35
GRINDER FX 15.15	12 305	15.2 385	9.2 233	16.3 414	3.4 86	6.1 155	1"1/2	1"1/2 NPT	4 (2)	3.9 - 3.5 100 - 90	26 660	14.6 370	15.7 400	83.8 38
GRINDER FX 15.22	12 305	15.2 385	9.2 233	16.9 429	3.4 86	6.1 155	1"1/2	1"1/2 NPT	4 (2)	3.9 - 3.5 100 - 90	26 660	14.6 370	15.7 400	86 39

FEKA FX V

SUBMERSIBLE PUMPS FOR SEWAGE



Submersible pump for draining sewage water in commercial building service.

In compliance with CSA Standards C22.2 No.108 - 14, UL Standard No. 778. Suitable for fixed installations with a coupling or mobile if the pump is placed directly on the bottom of the tank. High-performance super Vortex impeller with integral free passage. Double mechanical seal in silicon carbide completely protected in oil chamber and not in contact with the pumped liquid. Motor shaft in AISI 304 stainless steel, resin-fastened cable gland. The reduced overall dimensions and the outlet ports both flanged and threaded make it ideal for replacements. Maintenance is fast due to its design that allows easy access to the pump's main components.

Single-phase versions with integrated capacitor, available with float for automatic operation (MA) with powers up to 1.5 kW. In the three-phase versions the protection is the user's responsibility.

IECEX (Ex db IIB T4 Gb) available starting from 2022.

Flow rate maximum 262 gpm (59.7 m³/h)

Head up to 59 ft (18 m)

Type of pumped liquid waters with filamentary bodies, paper or textile material in the presence of domestic or civil waste

Free passage

50 mm (2") or 65 mm (2 1/2) depending on the model

Supported liquid temperature 122°F (+50°C)

Delivery PUMP port

FX V 20.xx, flanged DN50, threaded 2" GAS

FX V 25.xx, flanged DN65, threaded 2" 1/2 GAS

90° elbow port (included with the pump)

FX V 20.xx, Threaded 2" NPT

FX V 25.xx, Threaded 2" 1/2 NPT

Impeller type Vortex

Power cable length 10 m (32 ft)

Motor insulation class F

Dry run time 10 min

FEKA FXV



ACCESSORIES
PAGE 89

TECHNICAL DATA

MODEL	CODE	POWER INPUT 60Hz	HP	In A	CAPACITOR *	NUMBER OF POLES
FEKA FX V 20.10 MNA	60194259	208-240/1/60	1/2	6.04 - 6.23	Internal (30uF)	2
FEKA FX V 20.10 TNA	60194133	208-240/3/60	1/2	4.34 - 4.5	-	2
FEKA FX V 25.10 MNA	60194104	208-240/1/60	1/2	6.16 - 6.28	Internal (30uF)	2
FEKA FX V 25.10 TNA	60194097	208-240/3/60	1/2	4.38 - 4.57	-	2
FEKA FX V 20.10 TNA	60202912	575/3/60	1/2	1.6	-	2
FEKA FX V 25.10 TNA	60202913	575/3/60	1/2	1.62	-	2

* Internal capacitor provided with the pump, external capacitor to be installed in the pump control panel.

FEKA FX V

SUBMERSIBLE PUMPS FOR SEWAGE

TECHNICAL DATA

MODEL	CODE	POWER INPUT 60Hz	HP	In A	CAPACITOR *	NUMBER OF POLES
FEKA FX V 20.14 MNA	60194145	208-240/1/60	3/4	8.19 - 8.16	Internal (30uF)	2
FEKA FX V 20.14 TNA	60194183	208-240/3/60	3/4	5.78 - 5.97	-	2
FEKA FX V 25.14 MNA	60194155	208-240/1/60	3/4	8.25 - 8.22	Internal (30uF)	2
FEKA FX V 25.14 TNA	60194199	208-240/3/60	3/4	5.84 - 6.04	-	2
FEKA FX V 20.14 TNA	60202914	575/3/60	3/4	2.15	-	2
FEKA FX V 25.14 TNA	60202915	575/3/60	3/4	2.15	-	2
FEKA FX V 25.19 MNA	60194174	208-240/1/60	1	11.99 - 12.24	External (40uF)	2
FEKA FX V 25.19 TNA	60194239	208-240/3/60	1	8.23 - 8.59	-	2
FEKA FX V 20.19 MNA	60202895	208-240/1/60	1	11.92 - 12.15	External (40uF)	2
FEKA FX V 20.19 TNA	60194246	208-240/3/60	1	8.21 - 8.5	-	2
FEKA FX V 25.19 TNA	60202916	575/3/60	1	2.94	-	2
FEKA FX V 20.19 TNA	60202917	575/3/60	1	2.93	-	2
FEKA FX V 20.22 MNA	60202897	208-240/1/60	1.5	13.95 - 13.69	External (40uF)	2
FEKA FX V 25.22 MNA	60202899	208-240/1/60	1.5	13.65 - 13.61	External (40uF)	2
FEKA FX V 20.22 TNA	60202901	208-240/3/60	1.5	9.32 - 9.47	-	2
FEKA FX V 25.22 TNA	60202902	208-240/3/60	1.5	9.23 - 9.59	-	2
FEKA FX V 20.22 TNA	60202918	575/3/60	1.5	3.31	-	2
FEKA FX V 25.22 TNA	60202919	575/3/60	1.5	3.36	-	2

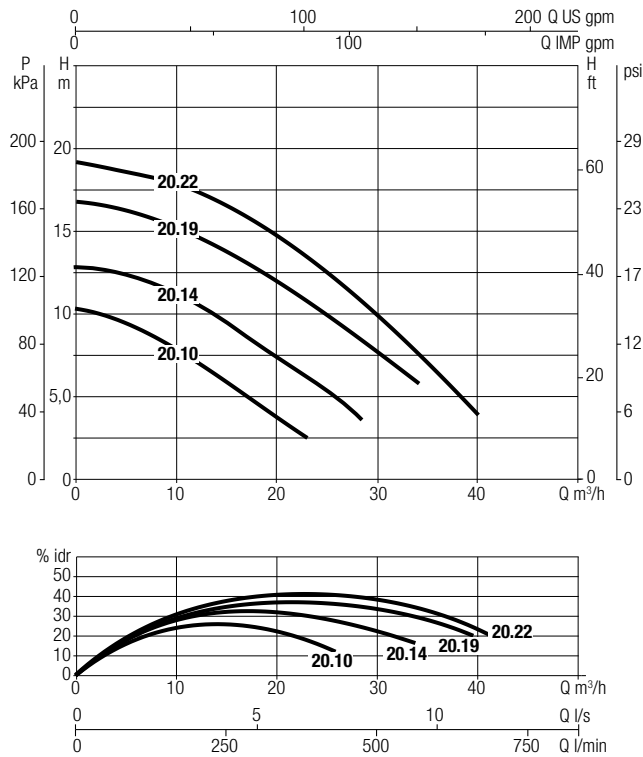
* Internal capacitor provided with the pump, external capacitor to be installed in the pump control panel.

FEKA FX V

SUBMERSIBLE PUMPS FOR SEWAGE

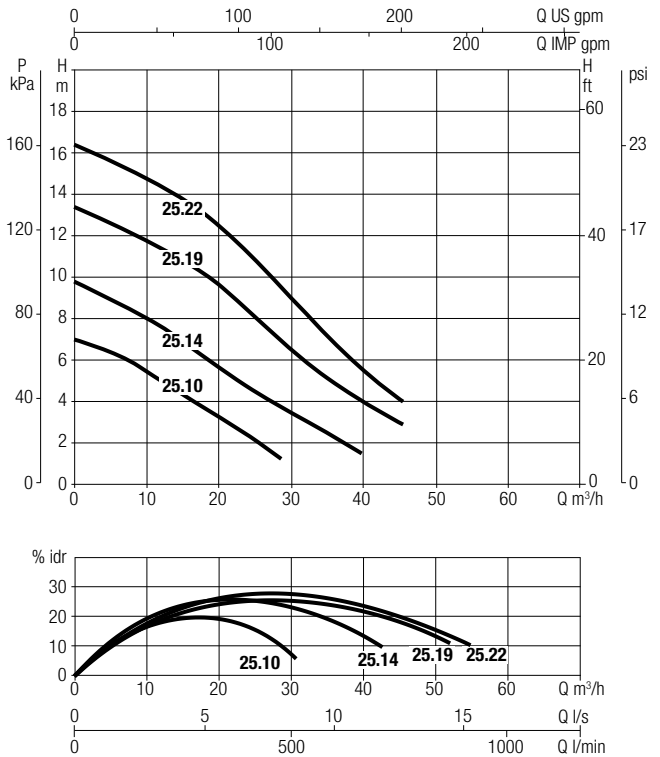
RANGE PERFORMANCE

FEKA FX V 20



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

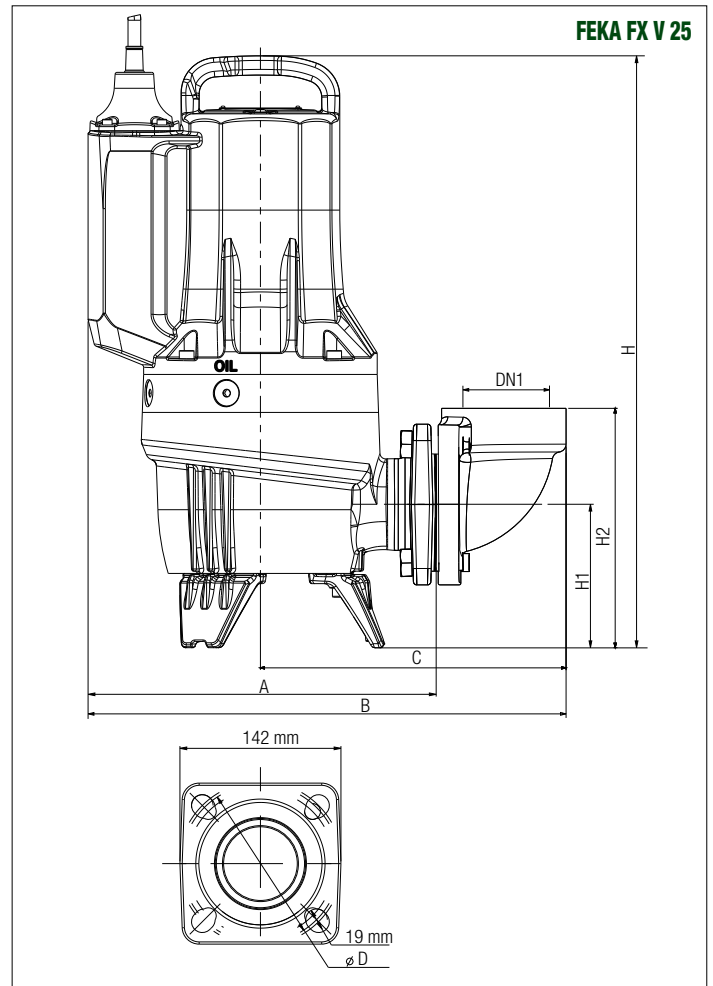
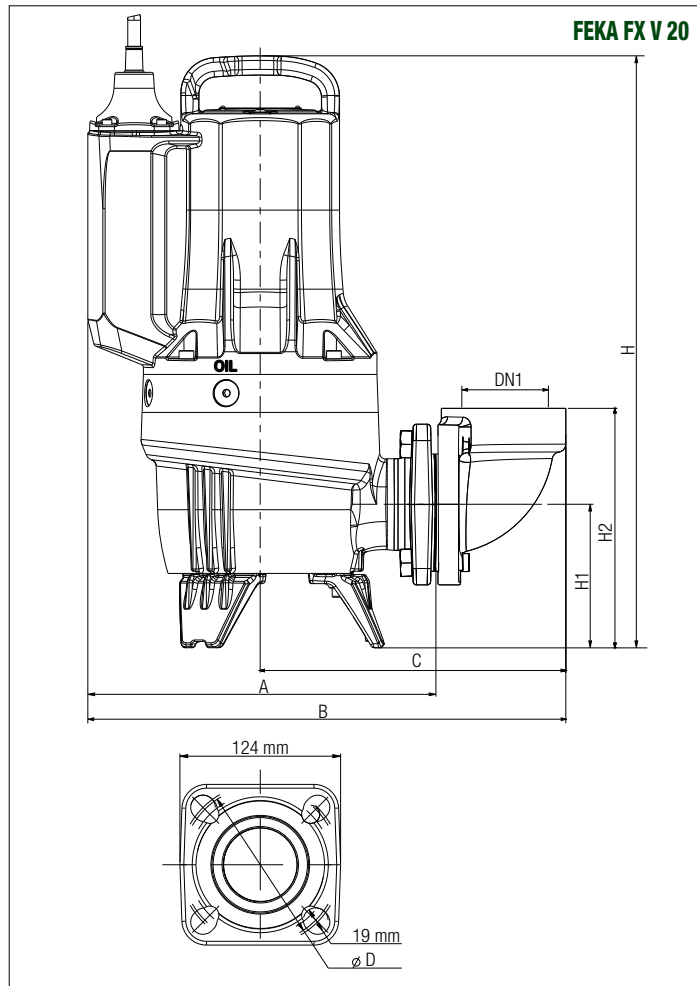
FEKA FX V 25



FEKA FX V

SUBMERSIBLE PUMPS FOR SEWAGE

DIMENSIONS AND WEIGHT

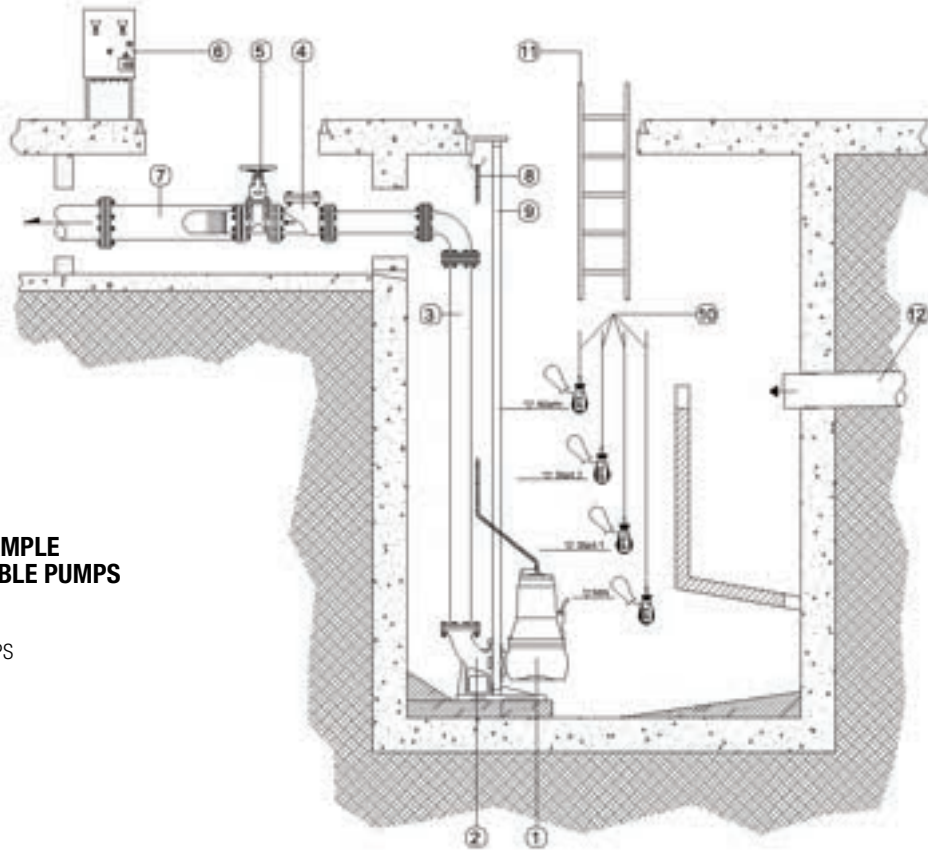


MODEL	FREE PASSAGE (inches) (mm)	A (inches) (mm)	B (inches) (mm)	C (inches) (mm)	H (inches) (mm)	H1 (inches) (mm)	H2 (inches) (mm)	DELIVERY				PACKING DIMENSIONS			WEIGHT (lbs) (kg)
								PUMP HOUSING	DN1	HOLES	D (inches) (mm)	L/A (inches) (mm)	L/B (inches) (mm)	H (inches) (mm)	
FEKA FX V 20.10	2 50	12.1 307	15.2 386	9.2 234	18.3 465	4.1 104	6.8 172	Rp 2"	2" NPT	4	4.9 - 4.3 125 - 110	26 660	14.6 370	15.7 400	77.2 35
FEKA FX V 20.14	2 50	12.1 307	15.2 386	9.2 234	18.3 465	4.1 104	6.8 172	Rp 2"	2" NPT	4	4.9 - 4.3 125 - 110	26 660	14.6 370	15.7 400	77.2 35
FEKA FX V 20.19	2 50	12.1 307	15.2 386	9.2 234	19.4 493	4.1 104	6.7 171	Rp 2"	2" NPT	4	4.9 - 4.3 125 - 110	26 660	14.6 370	15.7 400	86 39
FEKA FX V 20.22	2 50	12.1 307	15.2 386	9.2 234	19.4 493	4.1 104	6.7 171	Rp 2"	2" NPT	4	4.9 - 4.3 125 - 110	26 660	14.6 370	15.7 400	88.2 40

MODEL	FREE PASSAGE (inches) (mm)	A (inches) (mm)	B (inches) (mm)	C (inches) (mm)	H (inches) (mm)	H1 (inches) (mm)	H2 (inches) (mm)	DELIVERY			D (inches) (mm)	L/A (inches) (mm)	L/B (inches) (mm)	H (inches) (mm)	WEIGHT (lbs) (kg)
								GAS	DN1	HOLES					
FEKA FX V 25.10	2.5 65	12.1 307	16.6 422	10.7 271	19.4 493	4.9 124	8.2 209	-	2 1/2 NPT	4	5.7 - 5.1 145 - 130	26 660	14.6 370	15.7 400	79.4 36
FEKA FX V 25.14	2.5 65	12.1 307	16.6 422	10.7 271	19.4 493	4.9 124	8.2 209	-	2 1/2 NPT	4	5.7 - 5.1 145 - 130	26 660	14.6 370	15.7 400	81.6 37
FEKA FX V 25.19	2.5 65	12.1 307	16.6 422	10.7 271	20.6 523	5 127	8.3 212	-	2 1/2 NPT	4	5.7 - 5.1 145 - 130	26 660	14.6 370	15.7 400	94.8 43
FEKA FX V 25.22	2.5 65	12.1 307	16.6 422	10.7 271	20.6 523	5 127	8.3 212	-	2 1/2 NPT	4	5.7 - 5.1 145 - 130	26 660	14.6 370	15.7 400	97 44

ACCESSORIES SUMP & SEWAGE

PUMPING STATIONS ACCESSORIES



INSTALLATION EXAMPLE OF TWO SUBMERSIBLE PUMPS

KEY:

- 1 SUBMERSIBLE PUMPS
- 2 BASE ELBOW
- 3 DISCHARGE PIPE
- 4 BALL CHECK VALVE
- 5 GATE VALVE
- 6 CONTROL PANEL
- 7 MANIFOLD
- 8 LIFTING CHAIN
- 9 GUIDE RAILS
- 10 FLOAT SWITCHES
- 11 SUMP INSPECTION LADDER
- 12 INLET PIPE

PUMPING STATIONS ACCESSORIES

COUPLING UNIT	NOVA / FEKA / DRENAG	FEKA VS	FX	DESCRIPTION	CODE
			•	COUPLING UNIT FOR FLANGED DN32/DN40/DN50 PUMPS - HORIZONTAL	60195865
			•	COUPLING UNIT FOR FLANGED DN65 PUMPS - HORIZONTAL	60170310
			•	COUPLING UNIT FOR FLANGED DN65 PUMPS: VERTICAL	60167993

ADAPTERS	NOVA / FEKA DRENAG	FEKA VS	FX	DESCRIPTION	CODE
			•	KIT ELBOW 90° 3" NPT FX	60219262
			•	KIT ELBOW 90° 2" NPT FX	60204319
			•	KIT ELBOW 90° 1"1/2 NPT FX	60204320

DIVERTRON

THE NEW SHAPE OF EFFICIENCY



Renewed in aesthetics and in technical and technological components
to increase performance and reduce consumption



DABPUMPS.COM



	DIVERTEK SUBMERSIBLE MULTISTAGE PUMP	PAGE 94		4TW SUBMERSIBLE MOTOR 4"	PAGE 128		TR 12 SUBMERSIBLE MOTOR 12"	PAGE 143
	DIVERTRON SUBMERSIBLE MULTISTAGE ELECTRONIC PUMPS	PAGE 96		4GG SUBMERSIBLE MOTOR 4"	PAGE 130		TR 14 SUBMERSIBLE MOTOR 14"	PAGE 145
	DTRON 2 7" ELECTRONIC MULTISTAGE SUBMERSIBLE PUMPS	PAGE 98		4GX SUBMERSIBLE MOTOR 4"	PAGE 133		ACCESSORIES	PAGE 147
	DTRON 3 7" ELECTRONIC MULTISTAGE SUBMERSIBLE PUMPS	PAGE 100		6GF SUBMERSIBLE MOTOR 6"	PAGE 136			
	S3 3" SUBMERSIBLE PUMPS	PAGE 103		TR 8 SUBMERSIBLE MOTOR 8"	PAGE 139			
	S4 4" SUBMERSIBLE ELECTRIC PUMPS	PAGE 107		TR 10 SUBMERSIBLE MOTOR 10"	PAGE 141			

DIVERTEK

SUBMERSIBLE MULTISTAGE PUMP



DIVERTEK

Submersible multistage pump for clean water, designed for pressurization, rainwater reuse, gardening and irrigation in residential building service.

This pump is ideal for the use in rainwater recovery systems and for drawing water from a cistern or a tank.

Available in manual or automatic version with floats.

The automatic version has a single-phase motor and a float switch for protection against dry running.

It does not require a control panel.

The starting capacitor is accessible without disassembling the pump; the motor has integrated thermal protection against overheating.

The pumps is equipped with retractable carrying handle, technopolymer anti-debris filter, non-return valve and 15 meter power cable with Shuko plug.

A four-section reducer fitting is supplied as standard.

Flow rate from 4,4 GPM (1 m³/h) to 26,4 GPM (6 m³/h)

Head up to 148 ft (45 m) - 900 version

98 ft (30 m) - 650 version

82 ft (25 m) - 500 version

Maximum immersion depth 39 ft (12 m)

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

Liquid temperature range

from 32°F (0°C) to 104°F (+40°C)

Maximum operation depth 49 ft (15 m)

Flanges, thread 1" (supplied as standard with a four-section fitting-reducer)

Pump maximum diameter 6.3 in (160 mm)

Impeller/s material technopolymer

Maximum number of starts 20/h

Protection class IP 68

Motor insulation class F

Single phase power input V115/60 Hz

Power cable (m) and plug 49 ft (15 m) with power plug

Possible type of installation fixed or movable in vertical position

Special versions on request cable of different lengths, different type of power plug

ACCESSORIES
PAGE 147

TECHNICAL DATA

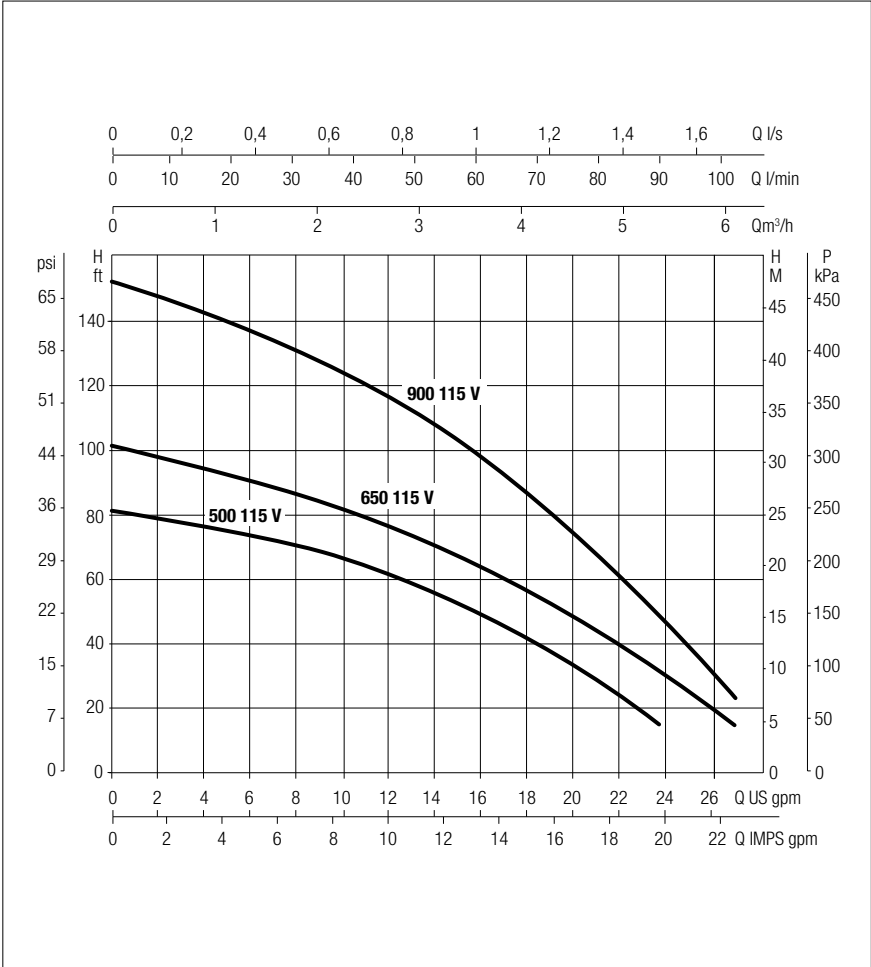
MODEL	CODE	ELECTRICAL DATA						
		VOLTAGE 60 Hz	P1 W	P2 NOMINAL		In A	CAPACITOR	
				kW	HP		µF	V
DIVERTEK 900 NA V115/60 NPT 49FT NEMA5	60217163H	115	1000	0.62	0.83	9.2	35	250
DIVERTEK 900 A V115/60 NPT 49FT NEMA5	60217160H	115	1000	0.62	0.83	9.2	35	250
DIVERTEK 650 NA V115/60 NPT 49FT NEMA5	60217159H	115	650	0.45	0.60	6.0	30	250
DIVERTEK 650 A V115/60 NPT 49FT NEMA5	60217156H	115	650	0.45	0.60	6.0	30	250
DIVERTEK 500 NA V115/60 NPT 49FT NEMA5	60217155H	115	500	0.34	0.46	4.8	30	250
DIVERTEK 500 A V115/60 NPT 49FT NEMA5	60217154H	115	500	0.34	0.46	4.8	30	250

RANGE PERFORMANCE

MODEL	HYDRAULIC DATA								
	Q=m ³ /h	0	1.2	1.8	2.4	3	3.6	4.2	4.8
	Q=l/min	0	20	30	40	50	60	70	80
	Q=gpm	0	5.3	7.9	10.6	13.2	15.9	18.5	21.1
DIVERTEK 900 115 V	H (m/ ft)	45.6 / 149.6	43.1 / 141.4	41.1 / 134.8	38 / 124.7	34.4 / 112.9	30 / 98.4	25 / 82.0	19.3 / 63.3
DIVERTEK 650 115 V		30.3 / 99.4	28.6 / 93.8	27.5 / 90.2	25.4 / 83.3	23.1 / 75.8	20.2 / 66.3	17 / 55.8	13.1 / 43.0
DIVERTEK 500 115 V		24.4 / 80.1	23 / 75.5	21.9 / 71.9	20.2 / 66.3	17.9 / 58.7	15.2 / 49.9	12.1 / 39.7	8.1 / 26.6

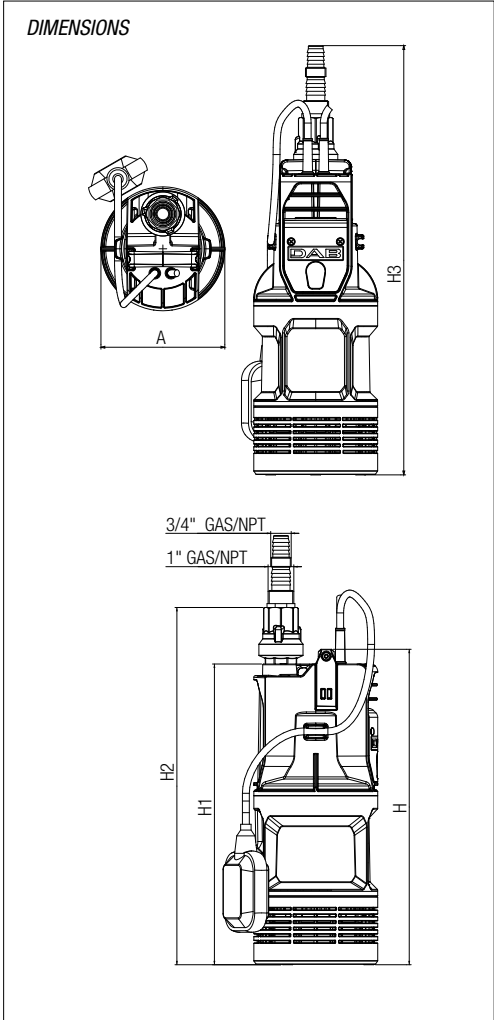
DIVERTEK

SUBMERSIBLE MULTISTAGE PUMP



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

DIMENSIONS



DIMENSIONS AND WEIGHTS

MODEL	A (Ø)	H (mm / in)	H1 (mm / in)	H2 (mm / in)	H3 (mm / in)	PACKING DIMENSIONS			Q.TY X PALLET	WEIGHT (kg / lb)
						L/A (mm / in)	L/B (mm / in)	H (mm / in)		
DIVERTEK 900	160	455 / 17.9	436 / 17.2	509 / 20	602 / 23.7	226 / 8.90	186 / 7.3	484 / 19.1	40	10.6 / 23.37
DIVERTEK 650	160	408 / 16.1	389 / 15.3	462 / 18.2	555 / 21.9	226 / 8.90	186 / 7.3	484 / 19.1	40	9.1 / 20.06
DIVERTEK 500	160	408 / 16.1	389 / 15.3	462 / 18.2	555 / 21.9	226 / 8.90	186 / 7.3	484 / 19.1	40	9.1 / 20.06

DIVERTRON

SUBMERSIBLE MULTISTAGE ELECTRONIC PUMPS



DIVERTRON

Submersible electronic multistage pump for clean water designed for pressurization, reuse of rainwater, gardening and irrigation in residential building service.

It integrates a pressure switch, a flow sensor and control electronics for automatic switching on and off.

The automatic operation allows the pump to start and stop autonomously according to the requirements of the system and protects it from dry running.

Supplied with integrated start capacitor, it is installed in a compartment accessible without disassembling the pump, a non-return valve and a 15 meter (49 ft) power cable with plug.

The pump is available with technopolymer anti-debris filter or with connection for float suction kit (X version).

It is recommended the installation of a small auxiliary expansion tank.

Flow rate from 4,4 GPM (1 m³/h) to 26,4 GPM (6 m³/h)

Head up to 148 ft (45 m) - 900 version
98 ft (30 m) - 650 version

Maximum operation depth 39 ft (12 m)

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

Liquid temperature range
from 32°F (0°C) to 104°F (+40°C)

Maximum immersion depth 49 ft (15 m)

Flanges, thread 1" (supplied as standard with a four-section fitting-reducer)

Pump maximum diameter 6.3 in (160 mm)

Impeller/s material technopolymer

Maximum number of starts 20/h

Protection class IP 68

Motor insulation class F

Single phase power input V115/60 Hz

Power cable (m) and plug 49 ft (15 m) with power plug

Possible type of installation fixed or movable in vertical position

Special versions on request cable of different length, different type of power plug

ACCESSORIES
PAGE 147

TECHNICAL DATA

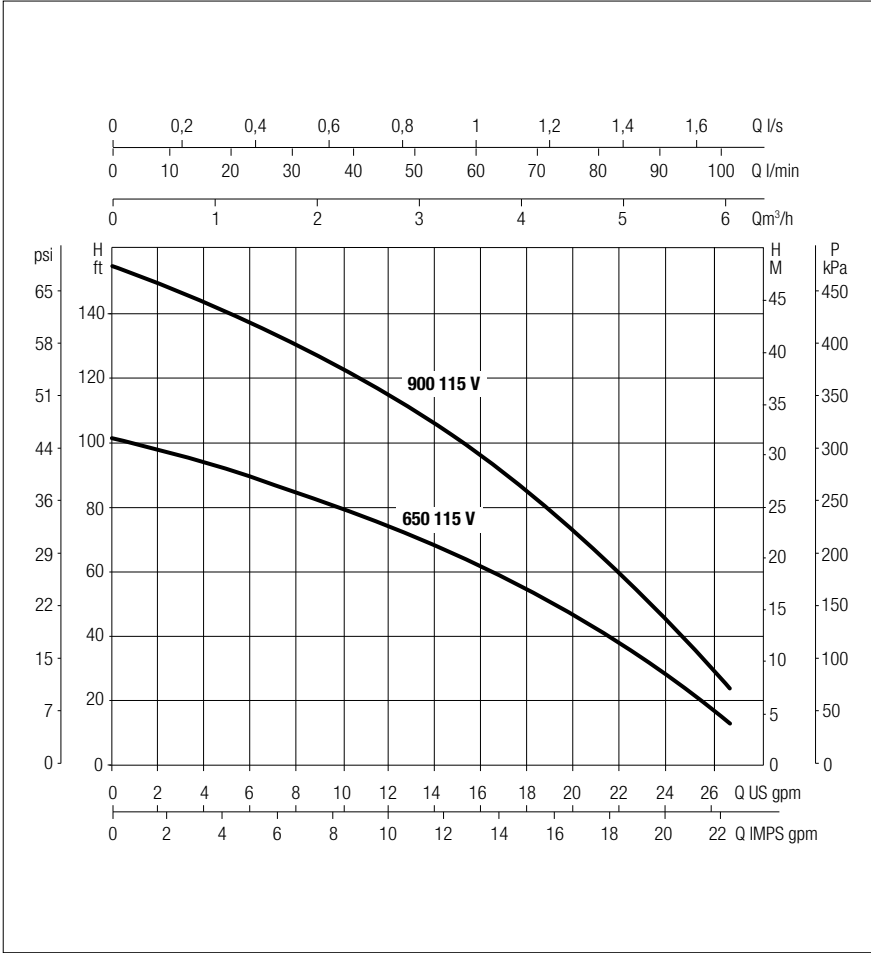
MODEL	CODE	ELECTRICAL DATA						
		VOLTAGE 60 Hz	P1 W	P2 NOMINAL		In A	CAPACITOR	
				kW	HP		µF	V
DIVERTRON 900 V115/60 NPT 49FT NEMA5	60217127H	115	1000	0.62	0.83	9.2	35	250
DIVERTRON X 900 V115/60 NPT 49FT NEMA5	60217128H	115	1000	0.62	0.83	9.2	35	250
DIVERTRON X 900 V115/60 NPT 49FT NEMA5 KIT 1M NPT	60217129H	115	1000	0.62	0.83	9.2	35	250
DIVERTRON 650 V115/60 NPT 49FT NEMA5	60217130H	115	650	0.45	0.60	6.0	30	250
DIVERTRON X 650 V115/60 NPT 49FT NEMA5	60217131H	115	650	0.45	0.60	6.0	30	250
DIVERTRON X 650 V115/60 NPT 49FT NEMA5 KIT 1M NPT	60217132H	115	650	0.45	0.60	6.0	30	250

RANGE PERFORMANCE

MODEL	HYDRAULIC DATA								
	Q=m ³ /h	0	1.2	1.8	2.4	3.0	3.6	4.2	4.8
	Q=l/min	0	20	30	40	50	60	70	80
	Q=gpm	0	5.3	7.9	10.6	13.2	15.9	18.5	21.1
DIVERTRON 900 115 V	H (m/ft)	45.8/150.3	42.9/140.8	40.5/132.9	37.3/122.4	34.2/112.2	30/98.4	25.5/83.7	20/65.6
DIVERTRON 650 115 V		29.9/98.1	27.9/91.5	26.1/85.6	24.1/79.1	22.1/72.5	19.4/63.7	16.1/52.8	12.5/41.0

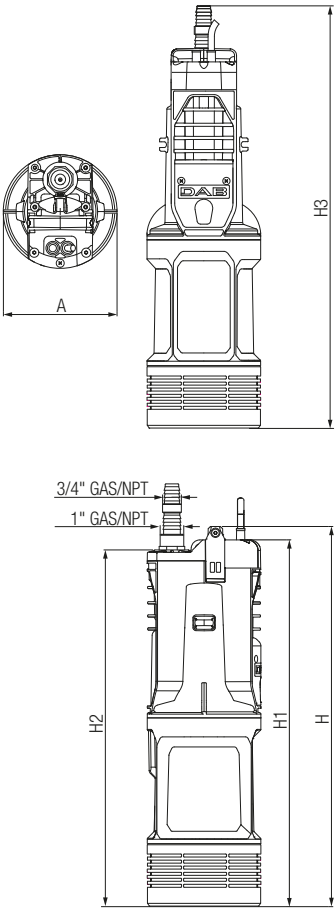
DIVERTRON

SUBMERSIBLE MULTISTAGE ELECTRONIC PUMPS



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

DIMENSIONS



DIMENSIONS AND WEIGHTS

MODEL	A (Ø)	H (mm / in)	H1 (mm / in)	H2 (mm / in)	H3 (mm / in)	PACKING DIMENSIONS			Q.TY X PALLET	WEIGHT (kg / lb)
						L/A (mm / in)	L/B (mm / in)	H (mm / in)		
DIVERTRON 900	160	536 / 21.1	517 / 22.5	503 / 19.8	596 / 23.5	550 / 21.65	195 / 7.68	250 / 9.84	32	11 / 24.25
DIVERTRON 650	160	488 / 19.2	469 / 18.5	455 / 17.9	548 / 21.6	550 / 21.65	195 / 7.68	250 / 9.84	32	9,5 / 20.94

DTRON 2

7" ELECTRONIC MULTISTAGE SUBMERSIBLE PUMPS



7" submersible electronic multistage pump designed for use in water wells, tanks or cisterns. The pump is suitable for use in residential building service for pressurization, rainwater reuse and gardening and irrigation.

The pressure switch and flow switch integrated with the electronic board, make the pump completely automatic for the switching on/off and dry running protection. It integrates a double mechanical seal, a non return valve and a handle for ease transport and installation. Built with a innovative modular design: the hydraulic part, the motor, the electrical part and the filter can be disassembled separately, simplifying the maintenance activity.

The suction height is adjustable from the bottom up to 3.1" (80 mm) using the special accessory supplied as standard. It is possible to connect a float without compromising the watertight seal of the pump thanks to the NFC (Near Field Communication) pocket. The integrated expansion tank protect from water hammer, an additional expansion tank is not required. The cable has a quick coupling for easier installation inside the tank/cistern.

The pump is also available in X version with 1" intake and kit X to connect to a suction hose and float to prevent the suction of impurities from the bottom. The whole pump is IP 68 certified, with the accessory DOC68 (supplied separately) becomes a surface pump to be used with flooded suction.

Maximum immersion depth 39 ft (12 m)

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 (2 mm)

Liquid temperature range from 32°F to +122°F (+0°C to +50°C)

Maximum immersion depth 49 ft (15 m)

Set cut-in 35 psi (2,4 bar (+-0,2))

Outlet connection thread 1" 1/4

Pump maximum diameter 7.3 in (185 mm)

Protection class IP 68

Motor insulation class F

Power cable with plug 49 ft (15 m)

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).

DTRON 2



ACCESSORIES
PAGE 147

TECHNICAL DATA

MODEL	CODE	VOLTAGE 60 Hz	P2 NOMINAL		P1 MAX W	In A
			kW	HP		
DTRON 2 45/90	60195643	115V / 60 Hz	0.67	0.9	1050	9.7
DTRON 2 35/120	60197690	115V / 60 Hz	0.67	0.9	950	8.8

X VERSION

MODEL	CODE
DTRON 2 X 45/90	60202763
DTRON 2 X 35/120	60202764

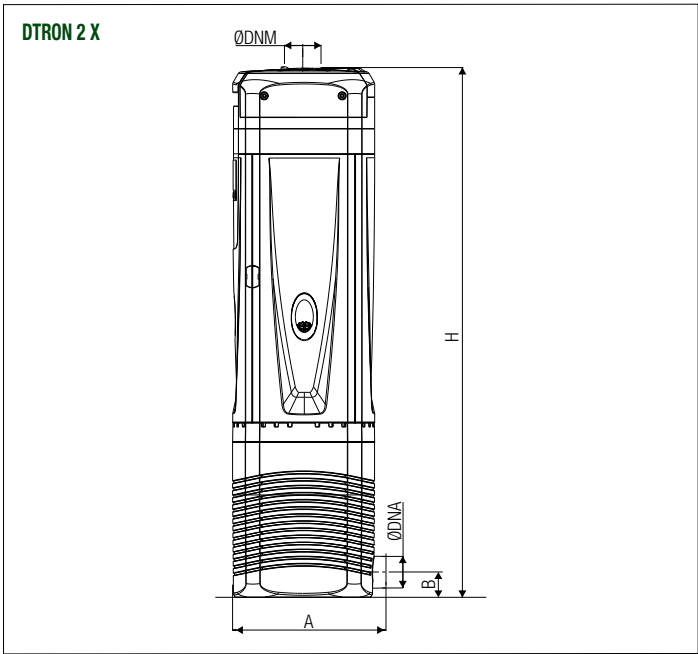
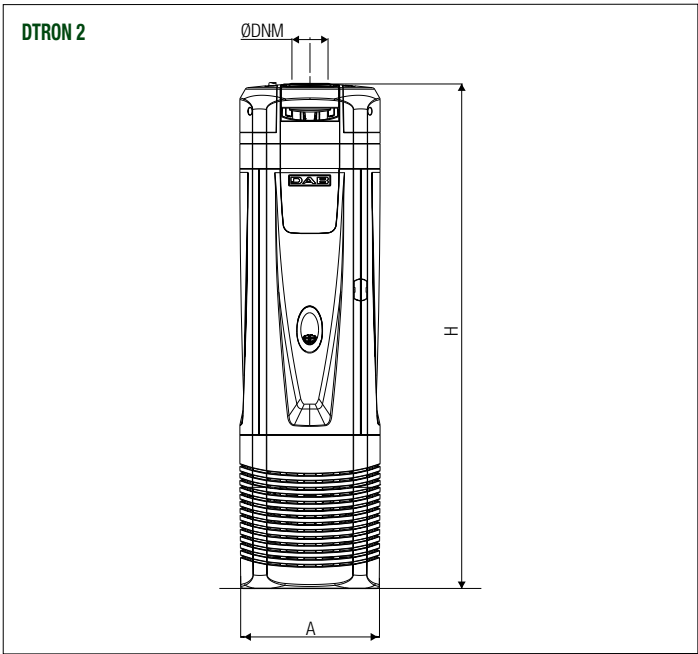
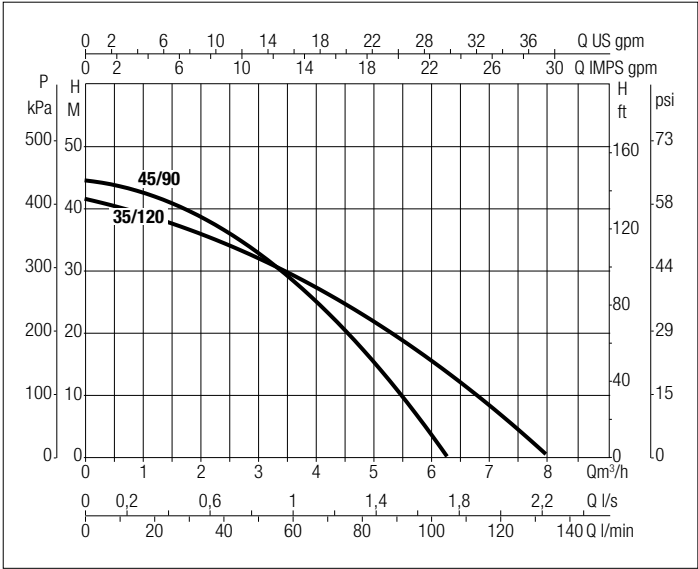


*DTron X with the floating suction kit.

DTRON 2

7" ELECTRONIC MULTISTAGE SUBMERSIBLE PUMPS

RANGE PERFORMANCE



DIMENSIONS AND WEIGHTS

MODEL	units	A	B	H	Ø DNМ	Ø DNA	PACKING DIMENSIONS			PACKING VOLUME ft³	Q.TY X PALLET	WEIGHT
							L/A	L/B	H			
DTRON 2 45/90	inches	7.3	-	24.1	1" 1/4	-	29.1	9.1	11.8	1.8 ft³	15	25.1 lbs
	mm	185		611			740	230	300	0.05106 m³		11.4 kg
DTRON 2 35/120	inches	7.3	-	25	1" 1/4	-	29.1	9.1	11.8	1.8 ft³	15	25.1 lbs
	mm	185		636			740	230	300	0.05106 m³		11.4 kg
DTRON 2 X 45/90	inches	7.7	1.3	25	1" 1/4	1"	29.1	9.1	11.8	1.8 ft³	15	25.4 lbs
	mm	195	32	636			740	230	300	0.05106 m³		11.5 kg
DTRON 2 X 35/120	inches	7.7	1.3	24.1	1" 1/4	1"	29.1	9.1	11.8	1.8 ft³	15	25.4 lbs
	mm	195	32	611			740	230	300	0.05106 m³		11.5 kg

DTRON 3

7" ELECTRONIC MULTISTAGE SUBMERSIBLE PUMPS



7" electronic submersible multistage pump for clean water designed for use in wells, cisterns or tanks. It can be use submerged, partially submerged or on the surface (with the DOC68 accessory).

It is suitable for use in residential building service for pressurization, reuse of rainwater and gardening and irrigation activities. The pressure sensor and a flow meter integrated with the electronic board, make the pump completely automatic for the switching on/off and dry running protection. It integrates a double mechanical seal, a non return valve and a handle for ease transport and installation. Suction height can be adjusted from the bottom up to 3.1" (80 mm) using the special accessory supplied as standard. It is possible to connect a float without compromising the watertight seal of the pump thanks to the NFC (Near Field Communication) pocket. The starting pressure is adjustable through the Com Box, supplied as standard. Expansion tank included, use of an additional expansion tank is superfluous. 49 ft (15 m) power cable with plug. The Com Box allows you to set the start and stop pressure and to control the alarms. The pump is also available in X version with 1" intake and kit X to connect to a suction hose and float to prevent the suction of impurities from the bottom. The whole pump is IP 68 certified, with the accessory DOC68 (supplied separately) becomes a surface pump to be used with flooded suction. If the pump is combined with an identical DTRon 3 the two pumps can operate in twin or alternate mode.

Maximum immersion depth 39 ft (12 m)

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 (2 mm)

Liquid temperature range from 32°F to +122°F (0°C to +50°C)

Maximum immersion depth 49 ft (15 m)

Set cut-in 35 psi (2.4 bar (+0.2))

Outlet connection Thread 1" 1/4

Pump maximum diameter 7.3 in (185 mm)

Protection class IP 68

Motor insulation class F

Power cable with plug 39 ft (15 m)

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).

DTRON 3



ACCESSORIES
PAGE 147

TECHNICAL DATA

MODEL	CODE
DTRON 3 45/90	60195642
DTRON 3 35/120	60197703

VOLTAGE 60 Hz	P2 NOMINAL		P1 MAX W	In A
	kW	HP		
115V / 60 Hz	0.67	0.9	1050	9.7
115V / 60 Hz	0.67	0.9	950	8.8

X VERSION

MODEL	CODE
DTRON 3 X 45/90	60202766
DTRON 3 X 35/120	60202767

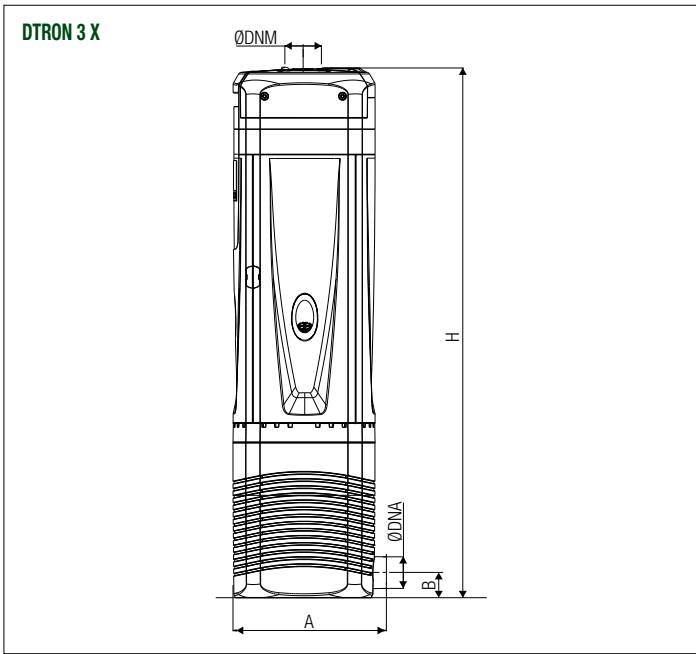
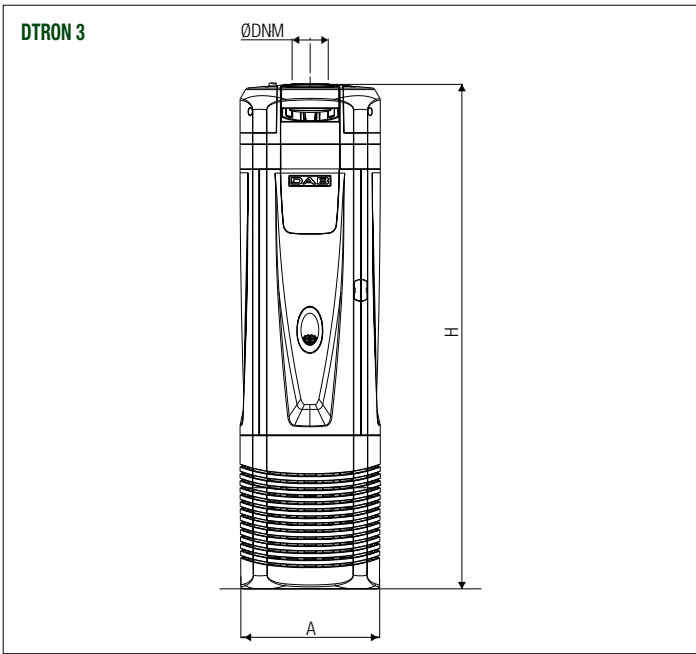
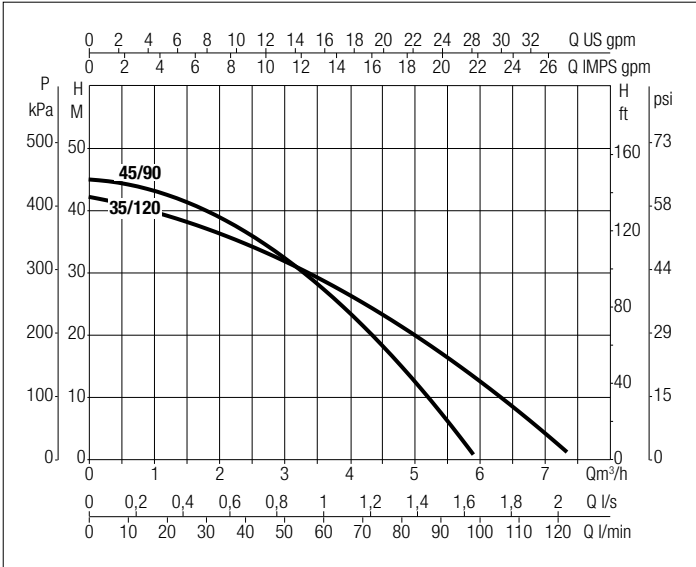


*DTRon X with the floating suction kit.

DTRON 3

7" ELECTRONIC MULTISTAGE SUBMERSIBLE PUMPS

RANGE PERFORMANCE

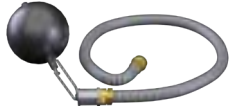


DIMENSIONS AND WEIGHTS

MODEL	Units	A	B	H	Ø DNМ	Ø DNA	PACKING DIMENSIONS			PACKING VOLUME	Q.TY X PALLET	WEIGHT
							L/A	L/B	H			
DTRON 3 45/90	inches	7.3	-	25.6	1" 1/4	-	30.7	9.1	11.8	1.9ft³	15	25.6 lbs
	mm	185	-	651	1" 1/4	-	780	230	300	0.05382 m³		11.6 kg
DTRON 3 35/120	inches	7.3	-	25.6	1" 1/4	-	30.7	9.1	11.8	1.9ft³	15	25.6 lbs
	mm	185	-	651	1" 1/4	-	780	230	300	0.05382 m³		11.6 kg
DTRON 3 X 45/90	inches	7.7	1.3	26.6	1" 1/4	1"	30.7	9.1	11.8	1.9ft³	15	25.8 lbs
	mm	195	32	676	1" 1/4	1"	780	230	300	0.05382 m³		11.7 kg
DTRON 3 X 35/120	inches	7.7	1.3	26.6	1" 1/4	1"	30.7	9.1	11.8	1.9ft³	15	25.8 lbs
	mm	195	32	676	1" 1/4	1"	780	230	300	0.05382 m³		11.7 kg

ACCESSORIES - DIVERTRON & DTRON

SUBMERSIBLE PUMPS AND MOTORS

DIVERTRON + DTRON ACCESSORIES	DESCRIPTION	CODE
	FLOATING SUCTION KIT x NPT	60214859

DTRON ACCESSORIES	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

DTRON 3 ACCESSORIES	DESCRIPTION	CODE
	DCONNECT BOX 2	60198035 NEMA 5 PLUG to 120v NEMA 5/15P 60198037 NEMA 6 PLUG to 230v NEMA 6/15P

S3

3" SUBMERSIBLE PUMPS



Centrifugal type. Directly coupled pump and motor with rigid coupling. Pump liner, shaft and coupling, strainer and cable sheath in stainless steel. Base support and head in SS AISI 304 with check valve incorporated in head.

Two-pole asynchronous motor completely made of AISI 304 stainless steel.

Two wire version. 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.

Flow rate maximum from 3 to 18 GPM (0.7 to 4.1 m³/h)

Head up to 538 ft / 164 m

Maximum immersion depth 490 ft / 149 m

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

Liquid temperature range min 32°F/0°C max 104°F/40°C

Delivery 1" 1/4 NPT

Impeller/s material technopolymer

Maximum number of starts 20/h

Protection class IP 68

Motor insulation class F

Power cable (m) and plug 5 ft / 1.5 m

Single phase power input 230 V (±6%) 60 Hz

Three phase power input not available

Possible type of installation in vertical position. If it is installed in horizontal position it is necessary to ensure a minimum load on the thrust unit and the cooling sleeve.

Certification CSA, NSF pending approval

ACCESSORIES
PAGE 147

TECHNICAL DATA

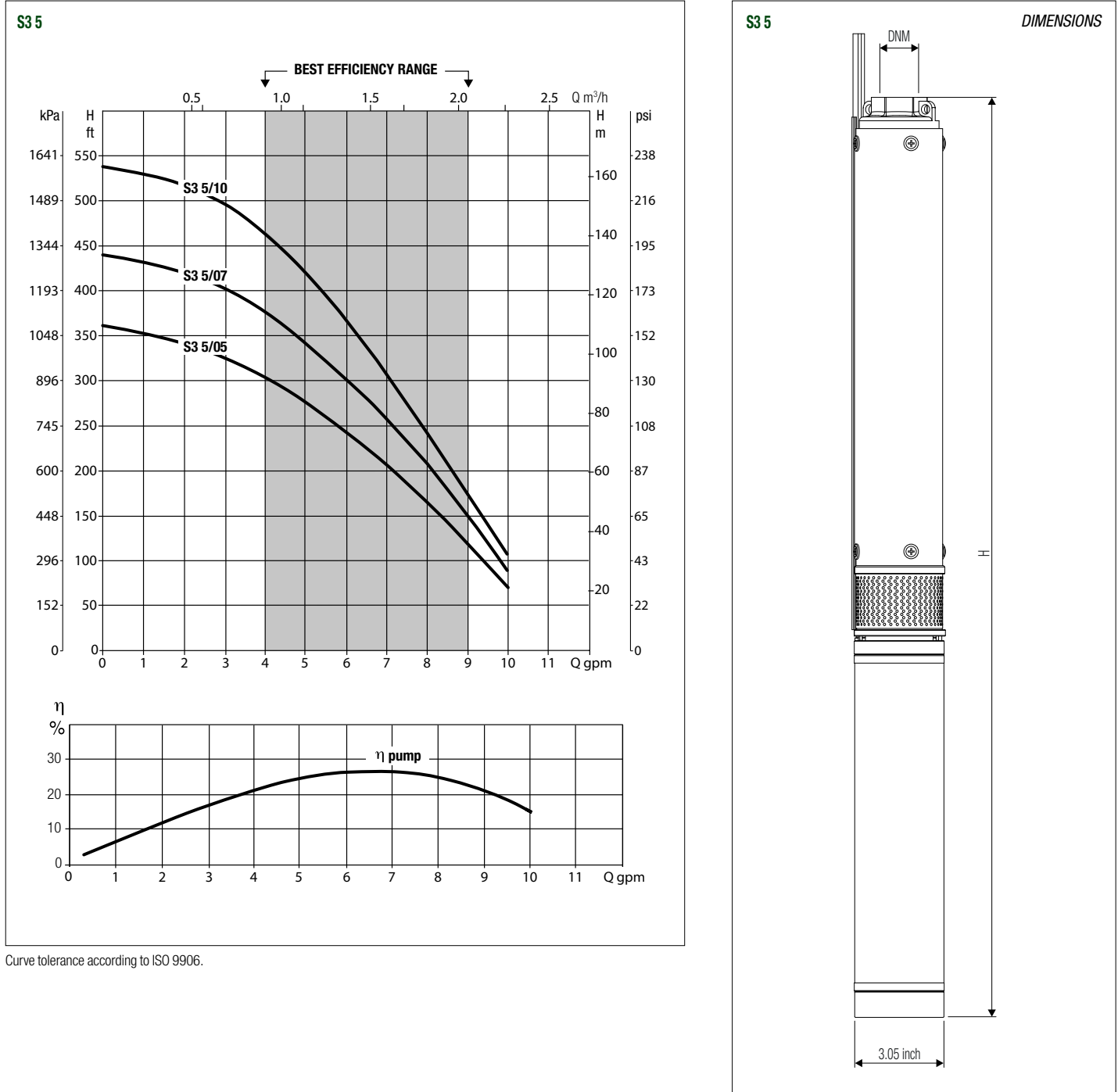
MODEL	CODE	ELECTRICAL DATA							
		STAGES	MOTOR TYPE	VOLTAGE	P2 NOMINAL		In A	ISF A	CAPACITOR [uF]
					P2 (kW)	P2 (HP)			
S3 5/05	60207413	24	3" canned	230	0.37	0.5	4.7	6	16
S3 5/07	60207414	29	3" canned	230	0.55	0.75	6.1	7.0	20
S3 5/10	60207415	35	3" canned	230	0.75	1	8.3	9.8	20
S3 10/05	60207416	21	3" canned	230	0.37	0.5	4.7	6	16
S3 10/07	60207417	27	3" canned	230	0.55	0.75	6.1	7.0	20
S3 10/10	60207418	31	3" canned	230	0.75	1	8.3	9.8	20
S3 15/05	60207419	8	3" canned	230	0.37	0.5	4.7	6	16
S3 15/07	60207420	16	3" canned	230	0.55	0.75	6.1	7.0	20
S3 15/10	60207421	21	3" canned	230	0.75	1	8.3	9.8	20

RANGE PERFORMANCE

MODEL	HYDRAULIC DATA										
	Q= GPM	0	2	4	6	8	10	12	14	16	18
	Q= m ³ /h	0	0.5	0.9	1.4	1.8	2.3	2.7	3.2	3.6	4.1
S3 5/05	H (ft)	362	342	304	244	165	70				
	H (m)	110	104	93	74	50	21				
S3 5/07	H (ft)	440	422	375	302	208	90				
	H (m)	134	129	114	92	63	27				
S3 5/10	H (ft)	538	524	464	368	242	106				
	H (m)	164	160	141	112	74	32				
S3 10/05	H (ft)	320	304	286	260	224	174	110	36		
	H (m)	98	93	87	79	68	53	34	11		
S3 10/07	H (ft)	420	394	366	334	290	230	150	50		
	H (m)	128	120	112	102	88	70	46	15		
S3 10/10	H (ft)	490	462	436	400	348	270	180	60		
	H (m)	149	141	133	122	106	82	55			
S3 15/05	H (ft)	134	132	130	125	118	110	98	84	64	35
	H (m)	41	40	40	38	36	34	30	26	20	11
S3 15/07	H (ft)	260	258	250	242	230	212	188	154	110	52
	H (m)	79	79	76	74	70	65	57	47	34	16
S3 15/10	H (ft)	332	330	320	310	292	268	236	194	138	60
	H (m)	101	101	98	94	89	82	72	52	42	18

S3

3" SUBMERSIBLE PUMPS

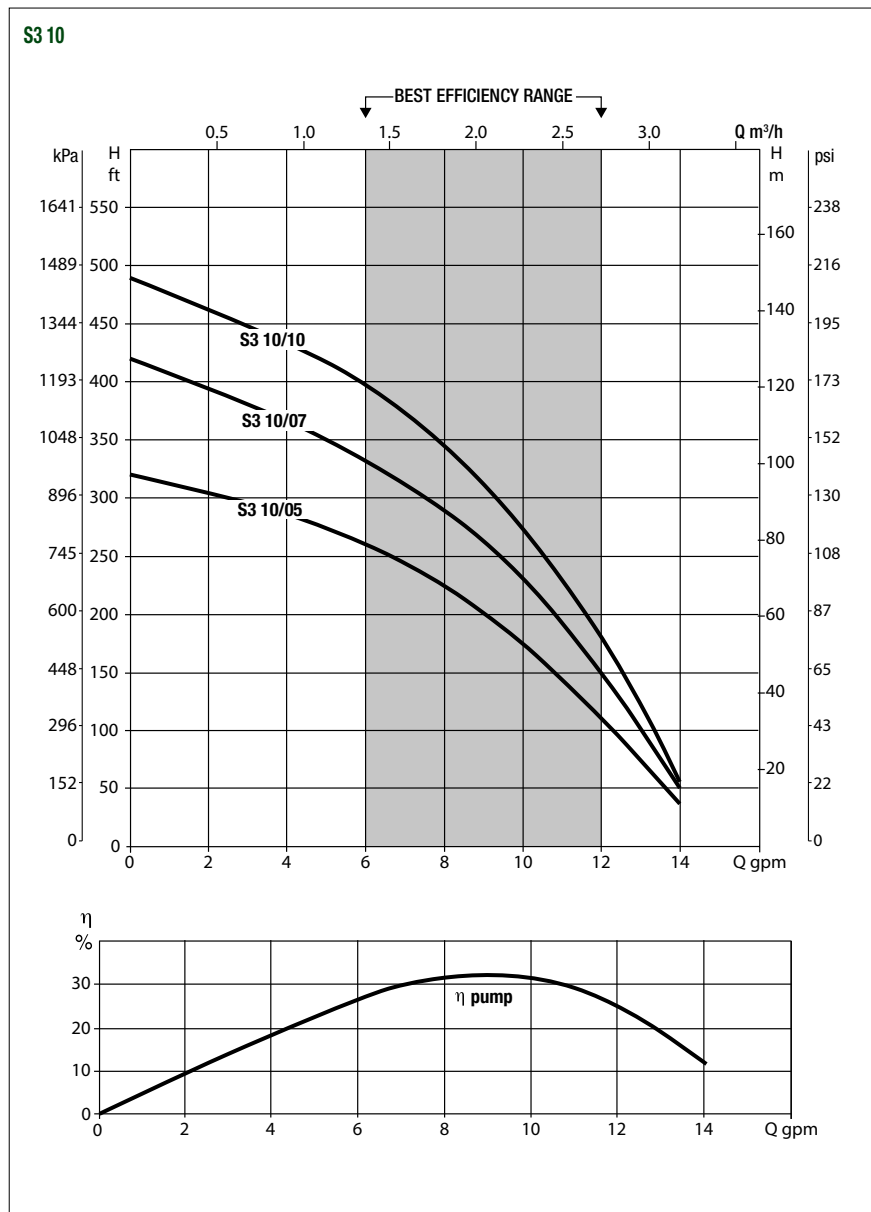


DIMENSIONS AND WEIGHT

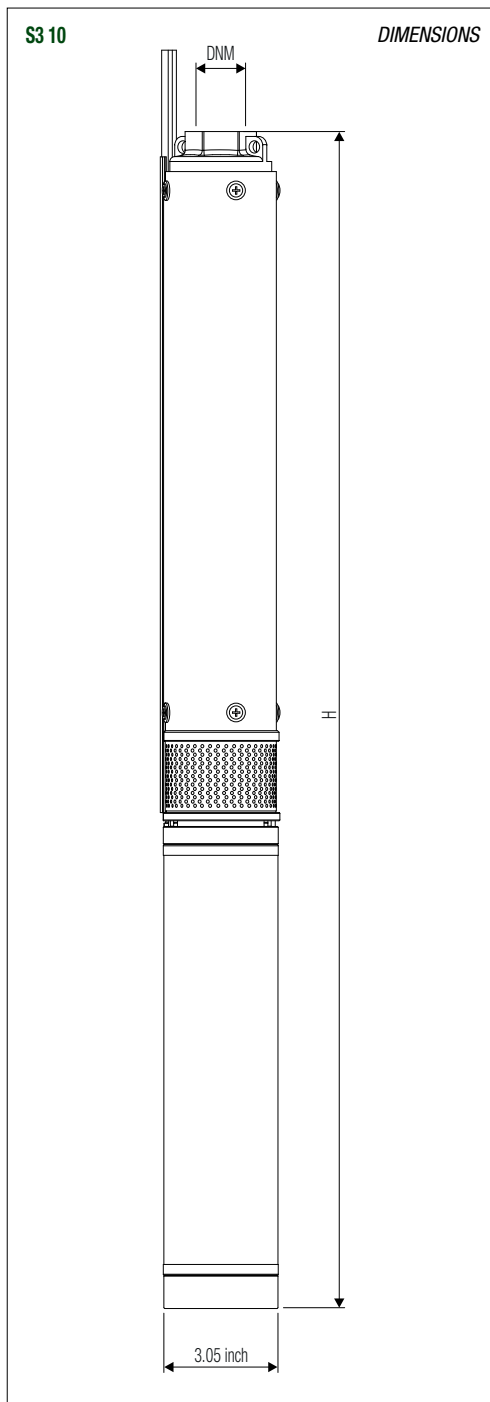
MODEL	Ø [inch / mm]	H [inch / mm]	DISCH SIZE NPT	PACKING DIMENSIONS			GROSS WEIGHT [lbs / kg]
				L/A [inch / mm]	L/B [inch / mm]	H PACK [inch / mm]	
S3 5/05	2.99 / 76	52.0 / 1,321	1" 1/4	68.9 / 1,750	6.7 / 170	5.9 / 150	38 / 17
S3 5/07	2.99 / 76	60.3 / 1,532	1" 1/4	80.7 / 2,050	6.7 / 170	5.9 / 150	42 / 19
S3 5/10	2.99 / 76	68.8 / 1,748	1" 1/4	80.7 / 2,050	6.7 / 170	5.9 / 150	47 / 21

S3

3" SUBMERSIBLE PUMPS



Curve tolerance according to ISO 9906.

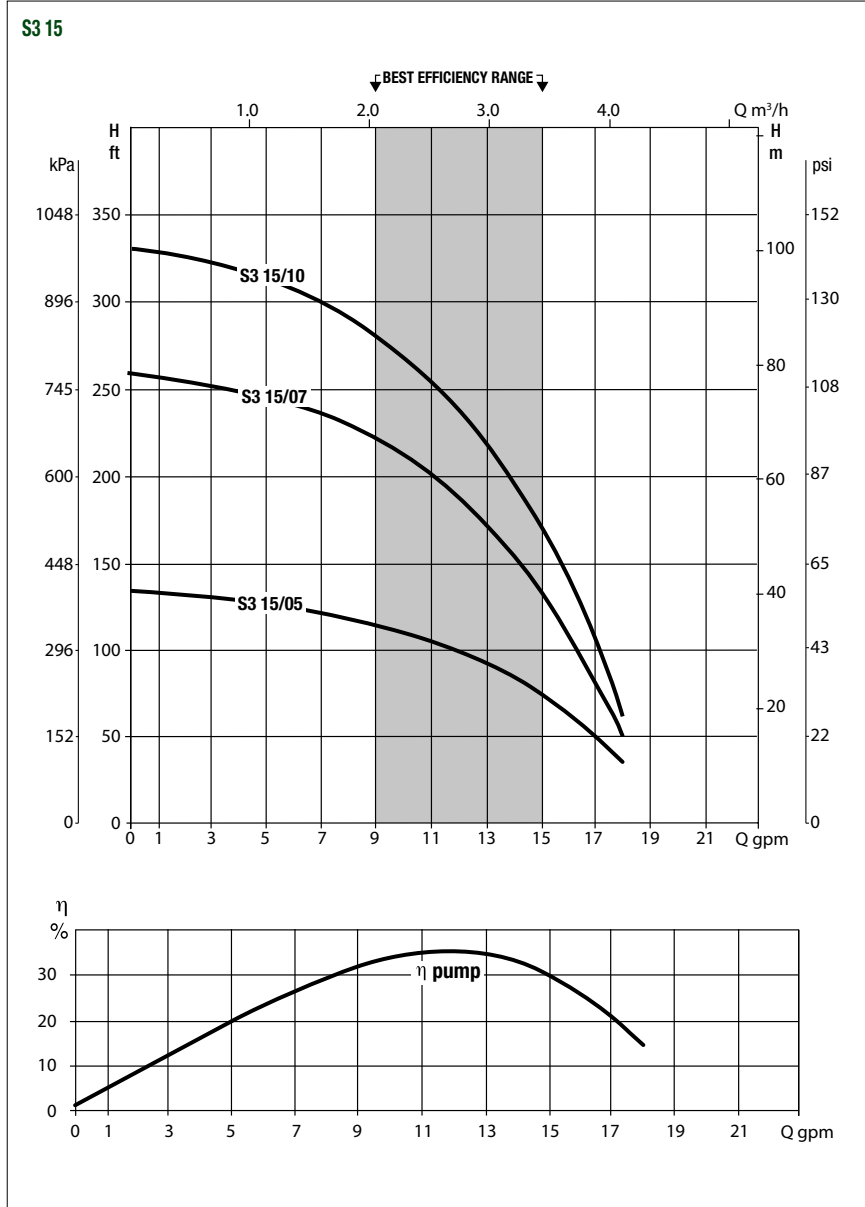


DIMENSIONS AND WEIGHT

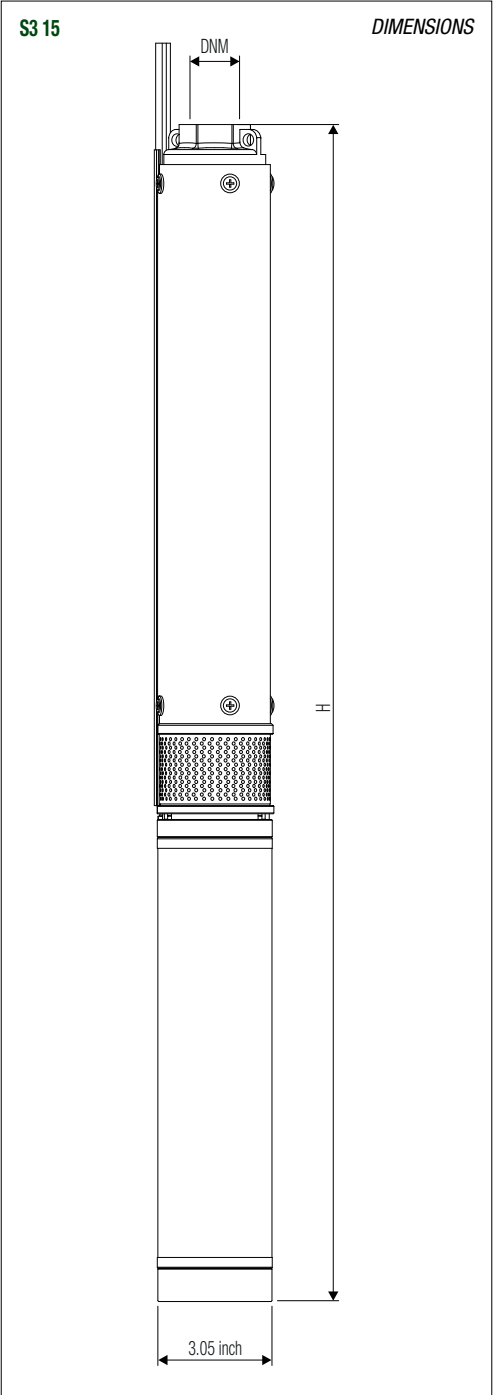
MODEL	Ø [inch / mm]	H [inch / mm]	DISCH SIZE NPT	PACKING DIMENSIONS			GROSS WEIGHT [lbs / kg]
				L/A [inch / mm]	L/B [inch / mm]	H PACK [inch / mm]	
S3 10/05	2.99 / 76	48.9 / 1,242	1" 1/4	68.9 / 1,750	6.7 / 170	5.9 / 150	37 / 17
S3 10/07	2.99 / 76	58.2 / 1,478	1" 1/4	80.7 / 2,050	6.7 / 170	5.9 / 150	42 / 19
S3 10/10	2.99 / 76	64.7 / 1,643	1" 1/4	80.7 / 2,050	6.7 / 170	5.9 / 150	46 / 21

S3

3" SUBMERSIBLE PUMPS



Curve tolerance according to ISO 9906.



DIMENSIONS AND WEIGHT

MODEL	Ø [inch / mm]	H [inch / mm]	DISCH SIZE NPT	PACKING DIMENSIONS			GROSS WEIGHT [lbs / kg]
				L/A [inch / mm]	L/B [inch / mm]	H PACK [inch / mm]	
S3 15/05	2.99 / 76	34.1	1" 1/4	68.9 / 1750	6.7 / 170	5.9 / 150	33
S3 15/07	2.99 / 76	43.8	1" 1/4	68.9 / 1750	6.7 / 170	5.9 / 150	38
S3 15/10	2.99 / 76	52.9	1" 1/4	68.9 / 1750	6.7 / 170	5.9 / 150	43

S4

4" SUBMERSIBLE ELECTRIC PUMPS



4" multistage borehole pumps for clean water, designed for water boosting, gardening and irrigation, lifting water from boreholes in residential building service, commercial building service and irrigation systems also for agriculture. The S4 pumps must be installed in wells with a diameter of at least 4", or in tanks or cisterns and it increases the pressure of water that can be used for example to water medium or large gardens or (in the case of models with a greater flow and head) in irrigation systems in agriculture.

Available as standard:

- Only pump end
- Pump body with water-filled motor 2WIRE
- Pump body with water-filled motor 3WIRE

Flow rate up to 120 GPM (27 m³/h)

Head up to 1500 ft (457 m)

Maximum immersion depth 4GG -4TW: 984 ft (300 m)

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 (150 g/m³)

Liquid temperature from 32°F to 104°F (0°C to +40°C)

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 V 60Hz / 1x230 V 60 Hz

Three phase power input

3x230 V 60 Hz / 3x460 V 60 Hz / 3x 575V 60Hz

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

Special versions on request different voltages, different cable lengths, version with 4GX

Certification pump end NSF61 certificate is pending approval.

4GG - 4TW motor: CSA approved



TECHNICAL DATA -S4 5

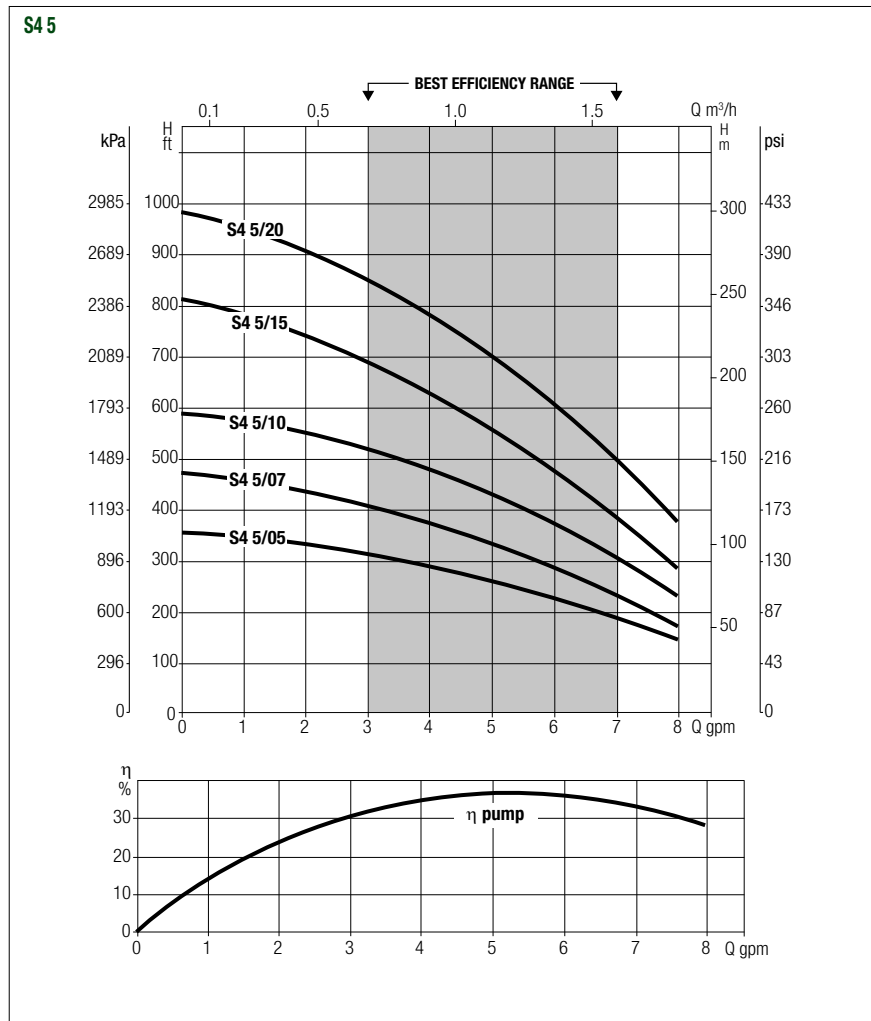
MODEL	2 WIRE	3 WIRE	PUMP END	VOLTAGE	ASSEMBLED VERSION	MOTOR TYPE	P2 HP	STAGES
	CODE	CODE	CODE					
S4 5/05	-	-	60198611	-	-	NO MOTOR	0.5	11
	60198632	60198655	-	115	YES*	4TW 2W		
						4GG 3W		
S4 5/07	-	-	60198612	-	-	NO MOTOR	0.75	15
	60198637	60198660	-	230	YES*	4TW 2W		
						4GG 3W		
S4 5/10	-	-	60198613	-	-	NO MOTOR	1	18
	60198638	60198661	-	230	YES*	4TW 2W		
						4GG 3W		
S4 5/15	-	-	60198614	-	-	NO MOTOR	1.5	25
	60198639	60198662	-	230	YES*	4TW 2W		
						4GG 3W		
S4 5/20	-	-	60196210	-	-	NO MOTOR	2	31

* assembled version available with canned motor 4GG and 4TW.

S4 5

4" SUBMERSIBLE ELECTRIC PUMPS

RANGE PERFORMANCE

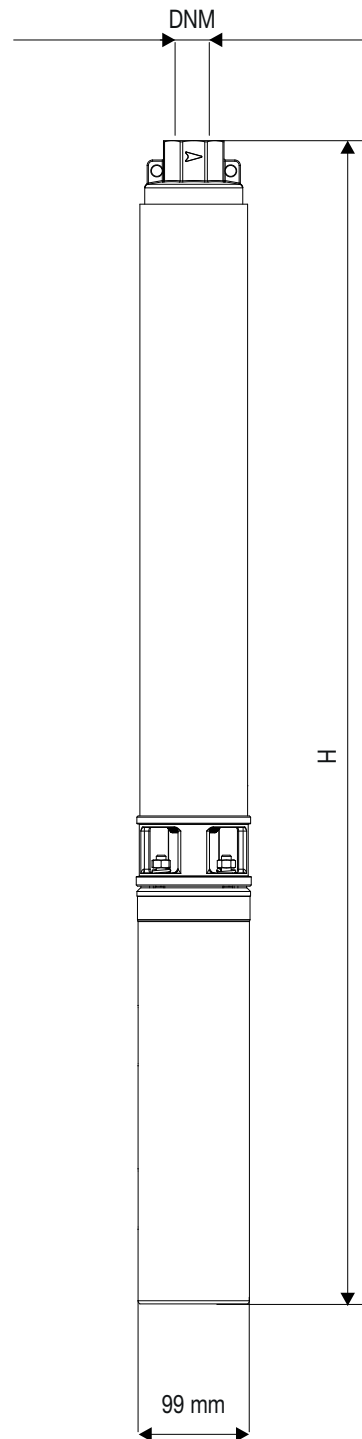


DIMENSIONS AND WEIGHTS

MODEL	MOTOR TYPE	H LENGTH inch	H LENGTH mm	GROSS WEIGHT lbs	GROSS WEIGHT kg	DISCHARGE SIZE npt
S4 5/05	NO MOTOR	15.8	401	7.3	3.3	1" 1/4
	4TW 2W	29.3	744	28.5	12.9	
	4GG 3W	26.3	668	26.7	12.1	
	4TW 2W	28.9	734	28.3	12.8	
	4GG 3W	26.3	668	26.7	12.1	
S4 5/07	NO MOTOR	18.5	470	8.6	3.9	1" 1/4
	4TW 2W	32.3	820	31.9	14.5	
	4GG 3W	29.8	757	30.0	13.6	
S4 5/10	NO MOTOR	20.7	526	9.7	4.4	1" 1/4
	4TW 2W	37.5	953	38.4	17.4	
	4GG 3W	34.3	871	37.6	17.1	
S4 5/15	NO MOTOR	25.5	648	11.7	5.3	1" 1/4
	4TW 2W	44.1	1.120	44.3	20.1	
	4GG 3W	40.9	1.039	44.1	20	
S4 5/20	NO MOTOR	25.9	658	16.3	7.4	1" 1/4

S4 5

DIMENSIONS



S4 7

4" SUBMERSIBLE ELECTRIC PUMPS

TECHNICAL DATA

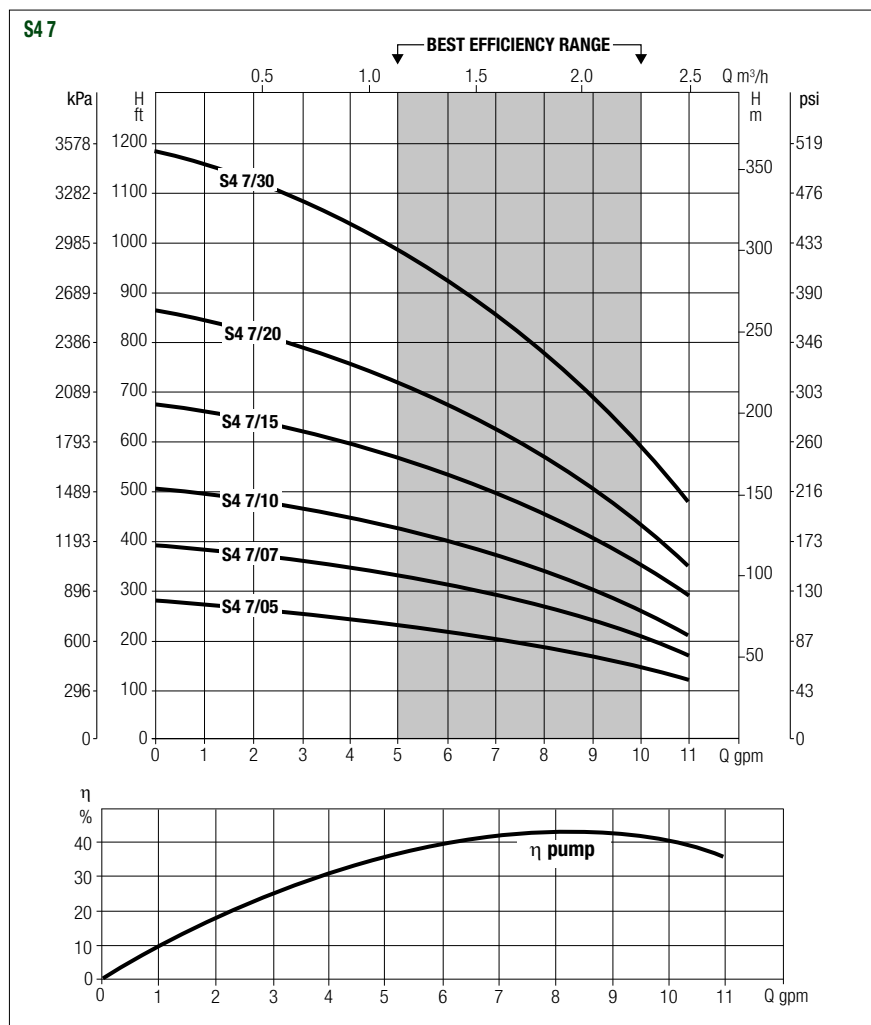
MODEL	2 WIRE	3 WIRE	PUMP END	VOLTAGE	ASSEMBLED VERSION	MOTOR TYPE	P2 HP	STAGES
	CODE	CODE	CODE					
S4 7/05	-	-	60198615	-	-	NO MOTOR	0.5	8
	60198633	60198656	-	115	YES*	4TW 2W		
						4GG 3W		
S4 7/07	60198640	60198663	-	230	YES*	4TW 2W	0.75	11
						4GG 3W		
S4 7/10	-	-	60198616	-	-	NO MOTOR	1	14
	60198641	60198664	-	230	YES*	4TW 2W		
						4GG 3W		
S4 7/15	-	-	60198617	-	-	NO MOTOR	1.5	19
	60198642	60198665	-	230	YES*	4TW 2W		
						4GG 3W		
S4 7/20	-	-	60198618	-	-	NO MOTOR	2	24
	60198643	60198666	-	230	YES*	4TW 2W		
						4GG 3W		
S4 7/30	-	-	60196215	-	-	NO MOTOR	3	33
S4 7/30	-	-	60196216	-	-	NO MOTOR	3	33

* assembled version available with canned motor 4GG and 4TW.

S4 7

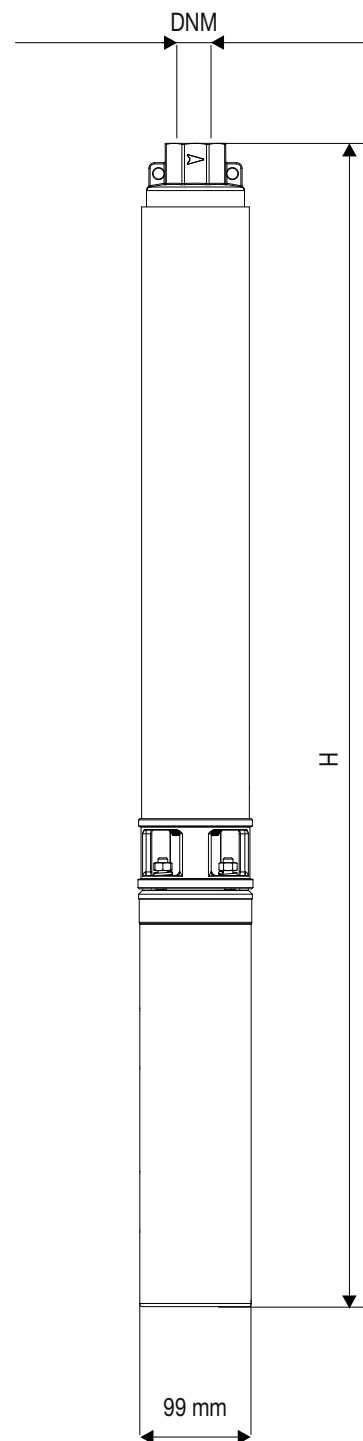
4" SUBMERSIBLE ELECTRIC PUMPS

RANGE PERFORMANCE



S4 7

DIMENSIONS



DIMENSIONS AND WEIGHTS

MODEL	MOTOR TYPE	H LENGTH inch	H LENGTH mm	GROSS WEIGHT lbs	GROSS WEIGHT kg	DISCHARGE SIZE npt
S4 7/05	NO MOTOR	15.6	396	6.0	2.7	1" 1/4
	4TW 2W	29.0	737	27.2	12.3	
	4GG 3W	26.1	663	25.4	11.5	
	4TW 2W	28.6	726	27.0	12.2	
	4GG 3W	26.1	663	25.4	11.5	
S4 7/07	NO MOTOR	18.4	467	7.3	3.3	1" 1/4
	4TW 2W	32.2	818	30.5	13.8	
	4GG 3W	29.7	754	28.7	13	
S4 7/10	NO MOTOR	21.2	538	8.2	3.7	1" 1/4
	4TW 2W	37.9	963	36.8	16.7	
	4GG 3W	34.8	884	36.0	16.3	
S4 7/15	NO MOTOR	25.8	655	9.9	4.5	1" 1/4
	4TW 2W	44.4	1.128	42.5	19.3	
	4GG 3W	41.2	1.046	42.3	19.2	
S4 7/20	NO MOTOR	30.4	772	11.2	5.1	1" 1/4
S4 7/30	NO MOTOR	33.8	859	17.2	7.8	1" 1/4

S4 10

4" SUBMERSIBLE ELECTRIC PUMPS

TECHNICAL DATA

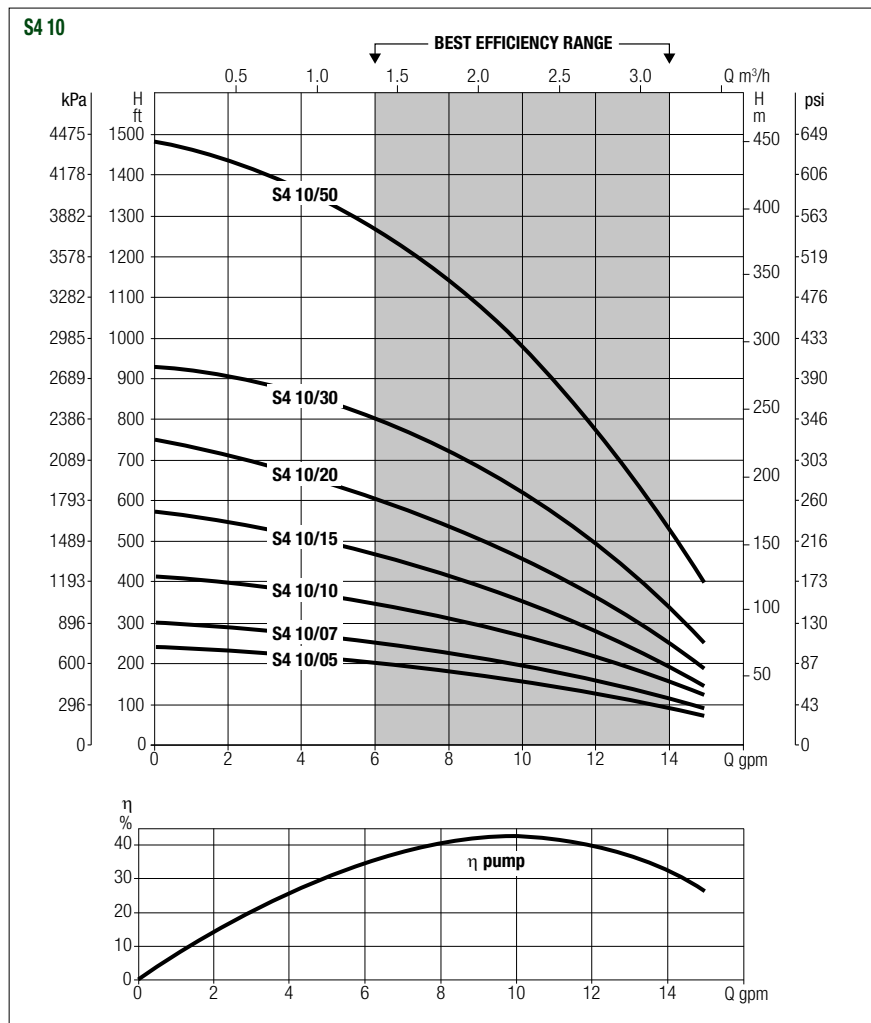
MODEL	2 WIRE	3 WIRE	PUMP END	VOLTAGE	ASSEMBLED VERSION	MOTOR TYPE	P2 HP	STAGES
	CODE	CODE	CODE					
S4 10/05	-	-	60198619	-	-	NO MOTOR	0.5	7
	60198634	60198657	-	115	YES*	4TW 2W		
						4GG 3W		
	60198644	60198667	-	230	YES*	4TW 2W		
						4GG 3W		
S4 10/07	-	-	60198620	-	-	NO MOTOR	0.75	10
	60198645	60198668	-	230	YES*	4TW 2W		
						4GG 3W		
S4 10/10	-	-	60198621	-	-	NO MOTOR	1	12
	60198646	60198669	-	230	YES*	4TW 2W		
						4GG 3W		
S4 10/15	-	-	60198622	-	-	NO MOTOR	1.5	17
	60198647	60198670	-	230	YES*	4TW 2W		
						4GG 3W		
S4 10/20	-	-	60196222	-	-	NO MOTOR	2	22
S4 10/30	-	-	60196223	-	-	NO MOTOR	3	29
S4 10/50	-	-	60196224	-	-	NO MOTOR	5	46

* assembled version available with canned motor 4GG and 4TW.

S4 10

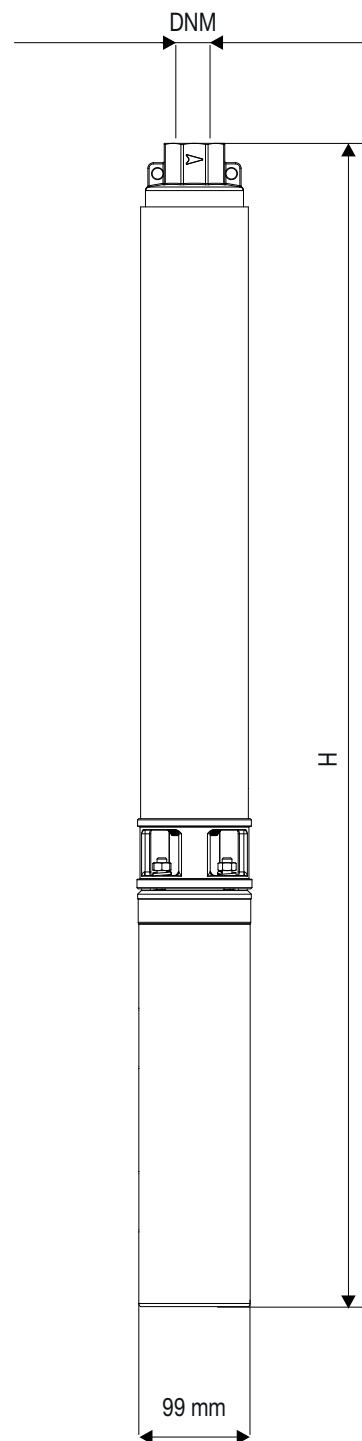
4" SUBMERSIBLE ELECTRIC PUMPS

RANGE PERFORMANCE



S4 10

DIMENSIONS



DIMENSIONS AND WEIGHTS

MODEL	MOTOR TYPE	H LENGTH inch	H LENGTH mm	GROSS WEIGHT lbs	GROSS WEIGHT kg	DISCHARGE SIZE npt
S4 10/05	NO MOTOR	14.7	373	6.2	2.8	1" 1/4
	4TW 2W	28.1	714	27.4	12.4	
	4GG 3W	25.2	640	25.6	11.6	
	4TW 2W	27.7	704	27.2	12.3	
	4GG 3W	25.2	640	25.6	11.6	
S4 10/07	NO MOTOR	17.5	445	7.1	3.2	1" 1/4
	4TW 2W	31.3	795	30.3	13.7	
	4GG 3W	28.7	729	28.4	12.9	
S4 10/10	NO MOTOR	19.3	490	7.7	3.5	1" 1/4
	4TW 2W	36.1	917	36.4	16.5	
	4GG 3W	32.9	836	35.6	16.1	
S4 10/15	NO MOTOR	24.0	610	9.3	4.2	1" 1/4
	4TW 2W	42.5	1.080	41.9	19	
	4GG 3W	39.4	1.001	41.7	18.9	
S4 10/20	NO MOTOR	28.6	726	11.0	5	1" 1/4
S4 10/30	NO MOTOR	35.1	892	13.2	6	1" 1/4
S4 10/50	NO MOTOR	45.7	1.161	22.9	10.4	1" 1/4

S4 15

4" SUBMERSIBLE ELECTRIC PUMPS

TECHNICAL DATA

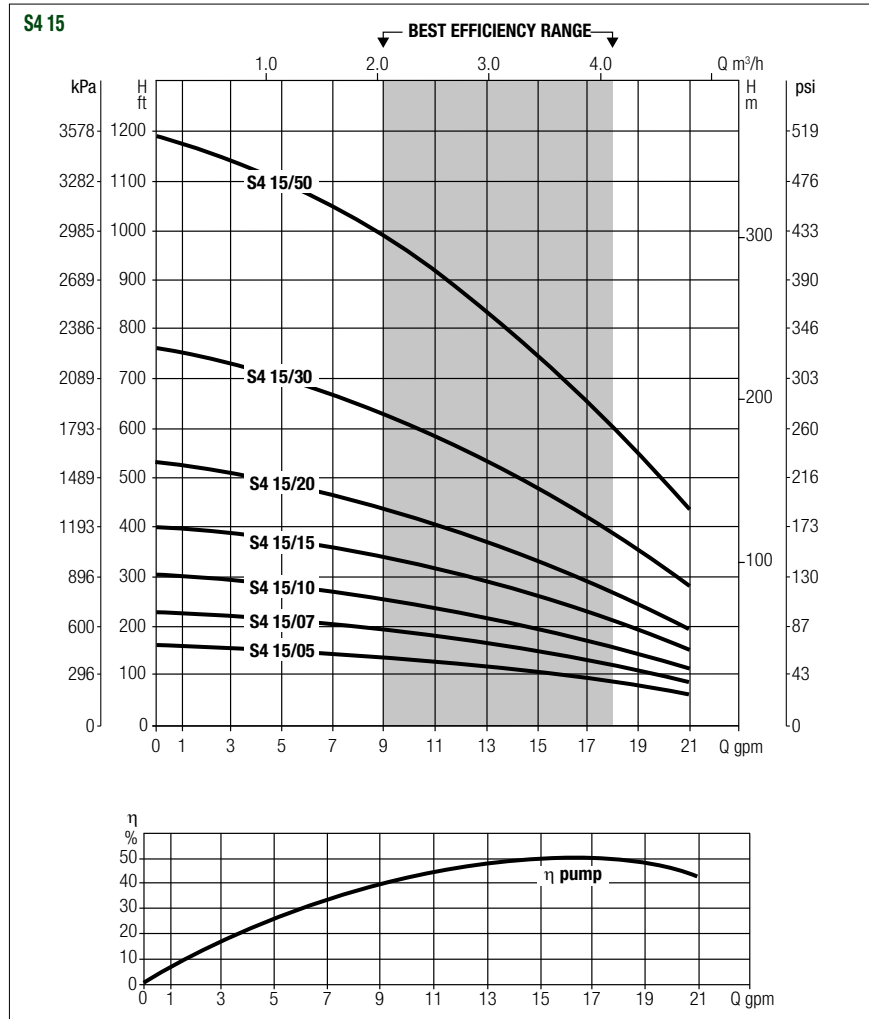
MODEL	2 WIRE	3 WIRE	PUMP END	VOLTAGE	ASSEMBLED VERSION	MOTOR TYPE	P2 HP	STAGES
	CODE	CODE	CODE					
S4 15/05	-	-	60198623	-	-	NO MOTOR	0.5	5
	60198635	60198658	-	115	YES*	4TW 2W		
						4GG 3W		
	60198648	60198671	-	230	YES*	4TW 2W		
						4GG 3W		
S4 15/07	-	-	60198624	-	-	NO MOTOR	0.75	7
	60198649	60198672	-	230	YES*	4TW 2W		
						4GG 3W		
S4 15/10	-	-	60198625	-	-	NO MOTOR	1	9
	60198650	60198673	-	230	YES*	4TW 2W		
						4GG 3W		
S4 15/15	-	-	60198626	-	-	NO MOTOR	1.5	12
	60198651	60198674	-	230	YES*	4TW 2W		
						4GG 3W		
S4 15/20	-	-	60196229	-	-	NO MOTOR	2	16
S4 15/30	-	-	60196230	-	-	NO MOTOR	3	23
S4 15/50	-	-	60196231	-	-	NO MOTOR	5	36

* assembled version available with canned motor 4GG and 4TW.

S4 15

4" SUBMERSIBLE ELECTRIC PUMPS

RANGE PERFORMANCE

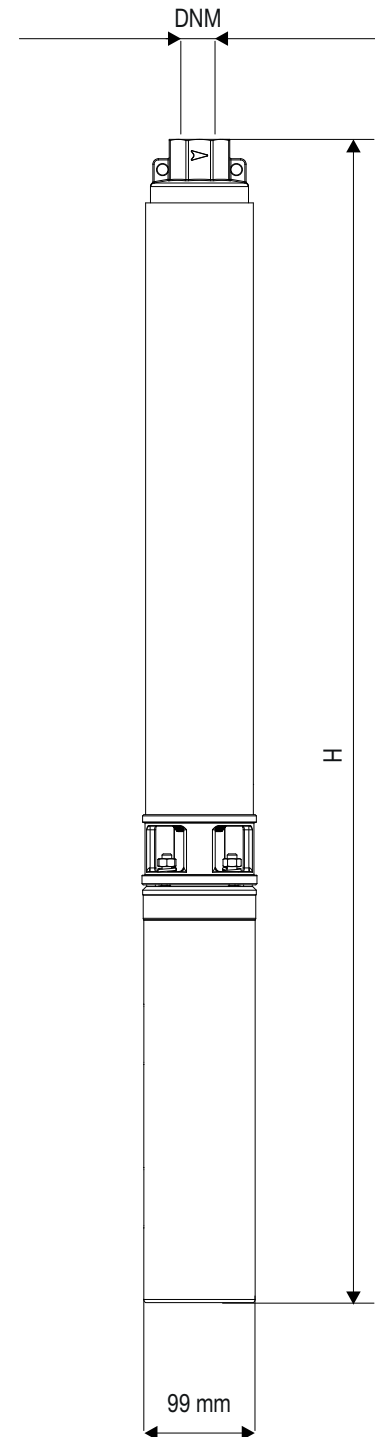


DIMENSIONS AND WEIGHTS

MODEL	MOTOR TYPE	H LENGTH inch	H LENGTH mm	GROSS WEIGHT lbs	GROSS WEIGHT kg	DISCHARGE SIZE npt
S4 15/05	NO MOTOR	13.7	348	6.0	2.7	1" 1/4
	4TW 2W	27.1	688	27.2	12.3	
	4GG 3W	24.2	615	25.4	11.5	
	4TW 2W	26.7	678	27.0	12.2	
	4GG 3W	24.2	615	25.4	11.5	
S4 15/07	NO MOTOR	15.9	404	6.6	3	1" 1/4
	4TW 2W	29.7	754	29.9	13.6	
	4GG 3W	27.1	688	28.0	12.7	
S4 15/10	NO MOTOR	18.1	460	7.5	3.4	1" 1/4
	4TW 2W	34.8	884	36.2	16.4	
	4GG 3W	31.7	805	35.4	16.1	
S4 15/15	NO MOTOR	21.4	544	8.6	3.9	1" 1/4
	4TW 2W	39.9	1.013	41.2	18.7	
	4GG 3W	36.8	935	41.0	18.6	
S4 15/20	NO MOTOR	25.7	653	10.4	4	1" 1/4
S4 15/30	NO MOTOR	33.4	848	14.1	6.4	1" 1/4
S4 15/50	NO MOTOR	42.8	1.087	20.5	9.3	1" 1/4

S4 15

DIMENSIONS



S4 20

4" SUBMERSIBLE ELECTRIC PUMPS

TECHNICAL DATA

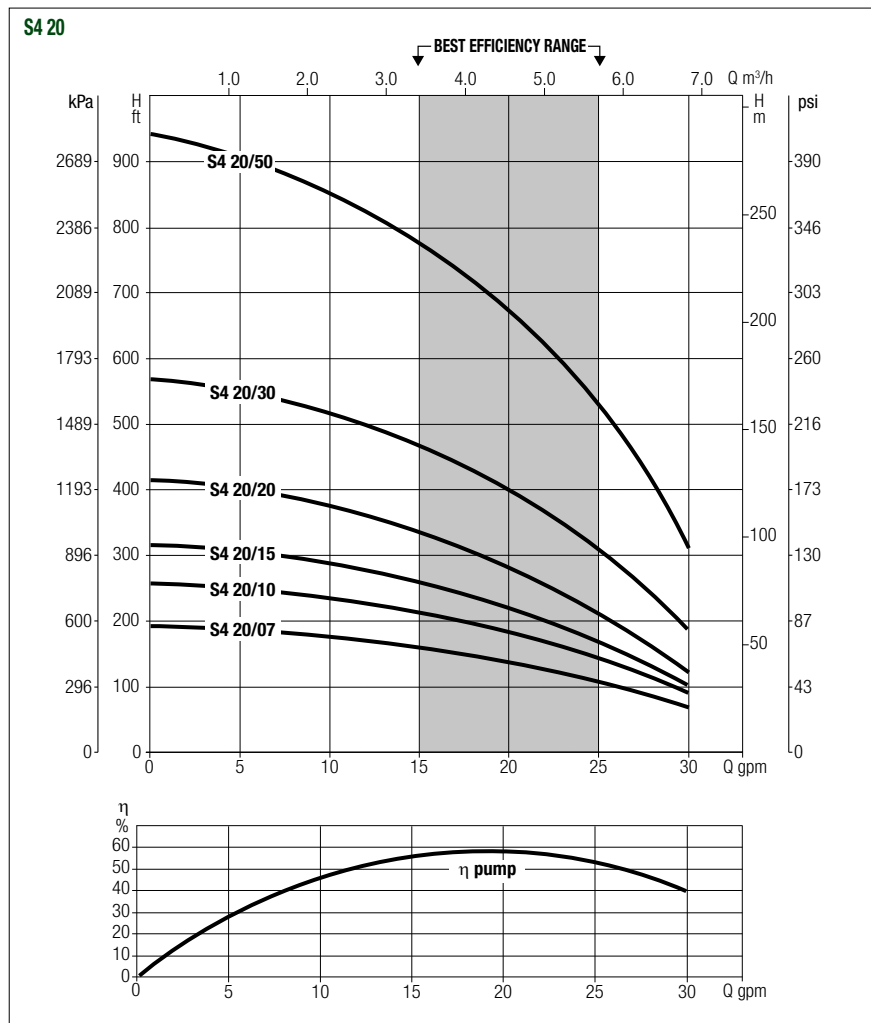
MODEL	2 WIRE	3 WIRE	PUMP END	VOLTAGE	ASSEMBLED VERSION	MOTOR TYPE	P2 HP	STAGES
	CODE	CODE	CODE					
S4 20/07	-	-	60198627	-	-	NO MOTOR	0.75	6
	60198652	60198675	-	230	YES*	4TW 2W		
						4GG 3W		
S4 20/10	-	-	60198628	-	-	NO MOTOR	1	7
	60198653	60198676	-	230	YES*	4TW 2W		
						4GG 3W		
S4 20/15	-	-	60198629	-	-	NO MOTOR	1.5	10
	60198654	60198677	-	230	YES*	4TW 2W		
						4GG 3W		
S4 20/20	-	-	60196235	-	-	NO MOTOR	2	13
S4 20/30	-	-	60196236	-	-	NO MOTOR	3	18
S4 20/50	-	-	60196237	-	-	NO MOTOR	5	28

* assembled version available with canned motor 4GG and 4TW.

S4 20

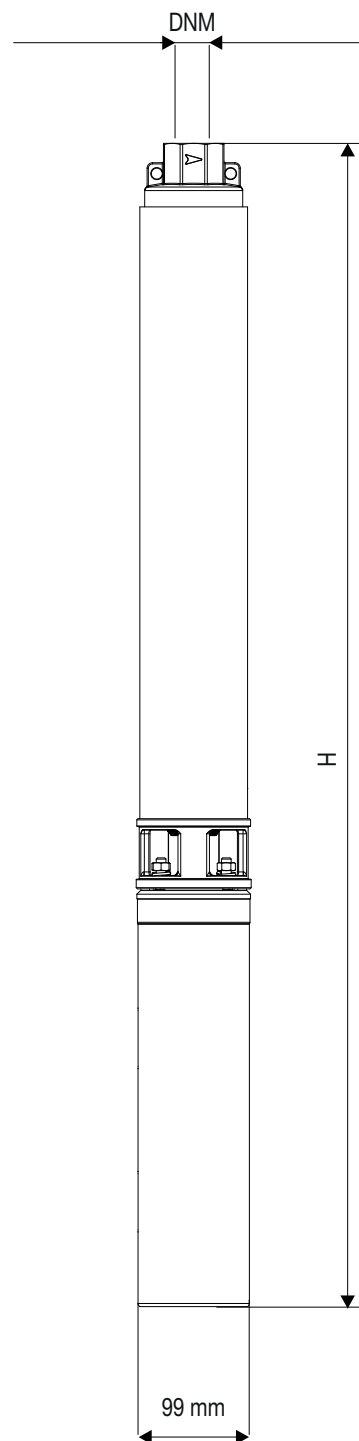
4" SUBMERSIBLE ELECTRIC PUMPS

RANGE PERFORMANCE



S4 20

DIMENSIONS



DIMENSIONS AND WEIGHTS

MODEL	MOTOR TYPE	H LENGTH inch	H LENGTH mm	GROSS WEIGHT lbs	GROSS WEIGHT kg	DISCHARGE SIZE npt
S4 20/07	NO MOTOR	14.2	361	6.2	2.8	1" 1/4
	4TW 2W	28.1	714	29.4	13.3	
	4GG 3W	25.5	648	27.6	12.5	
S4 20/10	NO MOTOR	15.3	389	6.6	3	1" 1/4
	4TW 2W	32.0	813	35.3	16	
	4GG 3W	28.9	734	34.5	15.6	
S4 20/15	NO MOTOR	18.2	462	9.9	4.5	1" 1/4
	4TW 2W	36.8	935	42.5	19.3	
	4GG 3W	33.6	853	42.3	19.2	
S4 20/20	NO MOTOR	21.3	541	9.3	4.2	1" 1/4
S4 20/30	NO MOTOR	26.3	668	11.9	5.4	1" 1/4
S4 20/50	NO MOTOR	31.1	790	18.3	8.3	1" 1/4

S4 25

4" SUBMERSIBLE ELECTRIC PUMPS

TECHNICAL DATA

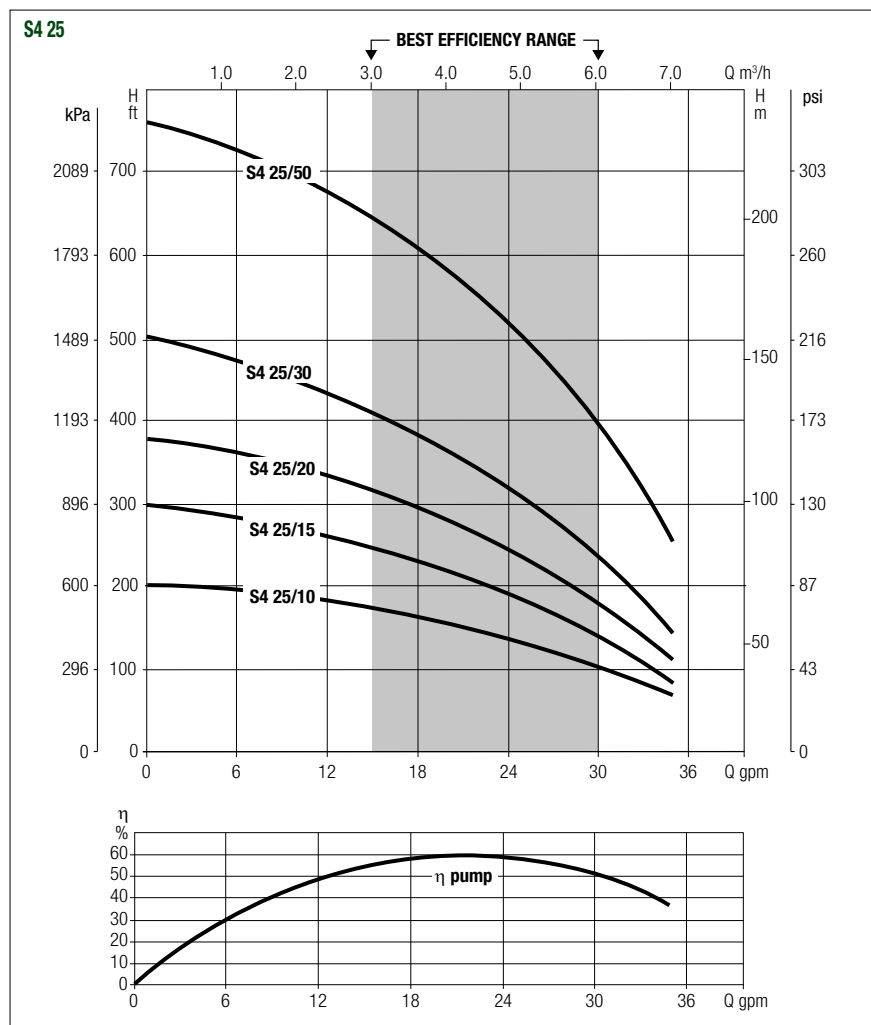
MODEL	2 WIRE	3 WIRE	PUMP END	VOLTAGE	ASSEMBLED VERSION	MOTOR TYPE	P2 HP	STAGES
	CODE	CODE	CODE					
S4 25/10	-	-	60198630	-	-	NO MOTOR	1	7
	60199005	60199007	-	230	YES*	4TW 2W		
						4GG 3W		
S4 25/15	-	-	60198631	-	-	NO MOTOR	1.5	10
	60199006	60199008	-	230	YES*	4TW 2W		
						4GG 3W		
S4 25/20	-	-	60196240	-	-	NO MOTOR	2	13
S4 25/30	-	-	60196241	-	-	NO MOTOR	3	17
S4 25/50	-	-	60196242	-	-	NO MOTOR	5	26

* assembled version available with canned motor 4GG and 4TW.

S4 25

4" SUBMERSIBLE ELECTRIC PUMPS

RANGE PERFORMANCE



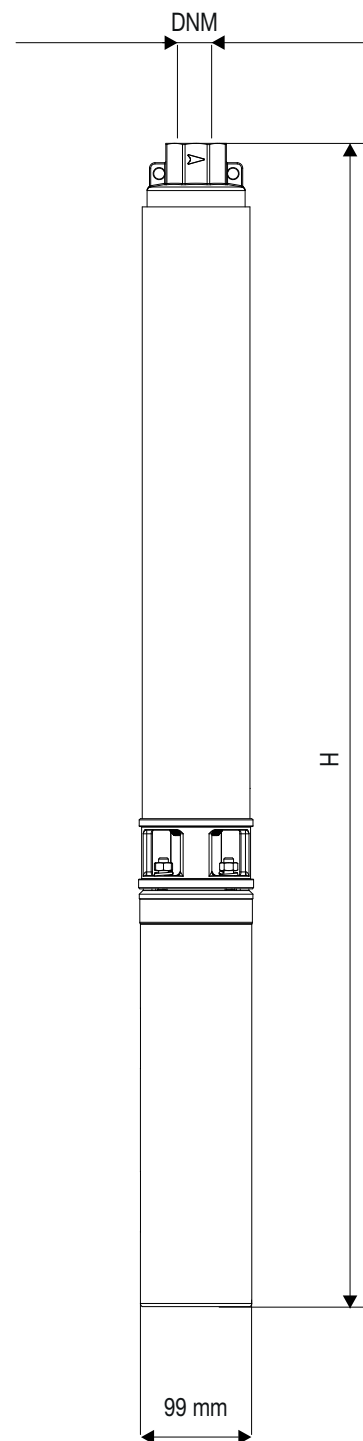
Curve tolerance according to ISO 9906.

DIMENSIONS AND WEIGHTS

MODEL	MOTOR TYPE	H LENGTH inch	H LENGTH mm	GROSS WEIGHT lbs	GROSS WEIGHT kg	DISCHARGE SIZE npt
S4 25/10	NO MOTOR	17.8	452	7.5	3.4	1" 1/4
	4TW 2W	34.6	879	36.2	16.4	
	4GG 3W	31.4	798	35.4	16.1	
S4 25/15	NO MOTOR	21.9	556	9.0	4.1	1" 1/4
	4TW 2W	40.5	1.029	41.7	18.9	
	4GG 3W	37.3	947	41.4	18.8	
S4 25/20	NO MOTOR	26.0	660	10.4	4.7	1" 1/4
S4 25/30	NO MOTOR	31.4	798	12.1	5.5	1" 1/4
S4 25/50	NO MOTOR	42.2	1.072	19.4	8.8	1" 1/4

S4 25

DIMENSIONS



S4 35

4" SUBMERSIBLE ELECTRIC PUMPS

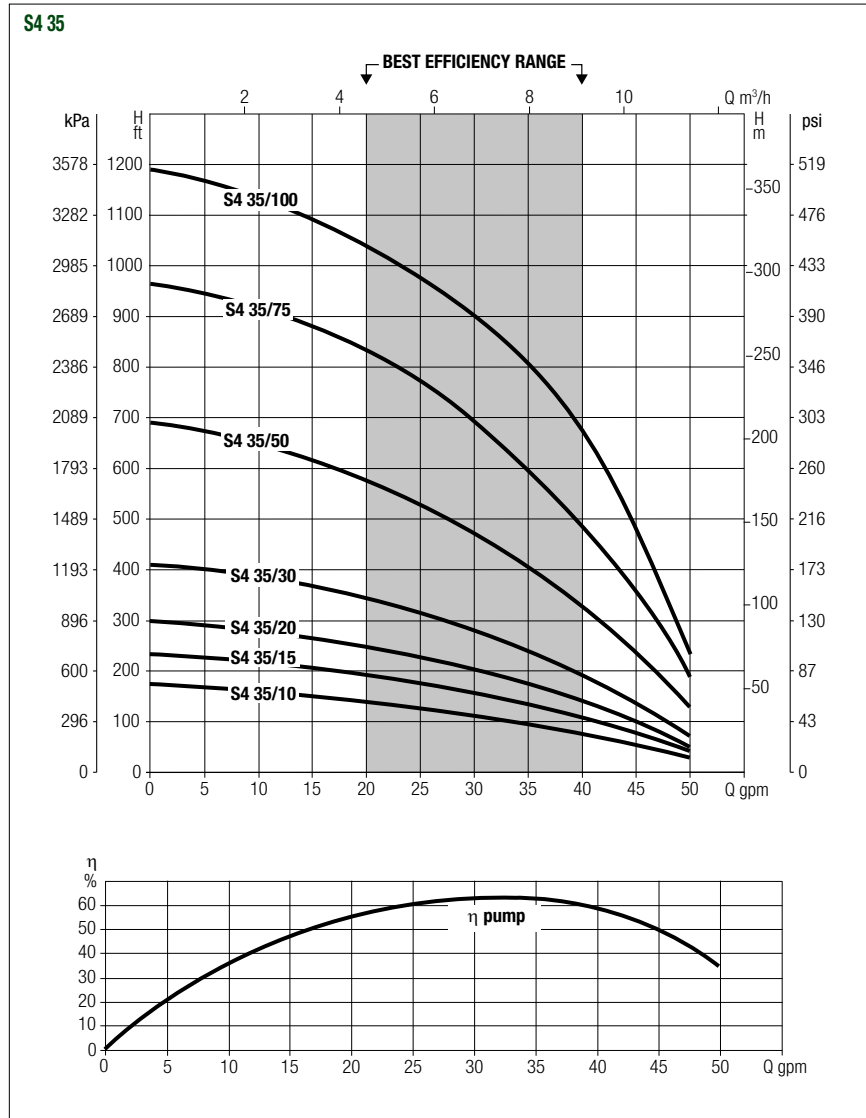
TECHNICAL DATA

MODEL	PUMP END	P2 HP	STAGES	MOTOR TYPE
	CODE			
S4 35/10	60196243	1	6	NO MOTOR
S4 35/15	60196244	1.5	8	NO MOTOR
S4 35/20	60196245	2	10	NO MOTOR
S4 35/30	60196246	3	14	NO MOTOR
S4 35/50	60196247	5	24	NO MOTOR
S4 35/75	60196248	7.5	35	NO MOTOR
S4 35/100	60196249	10	49	NO MOTOR

S4 35

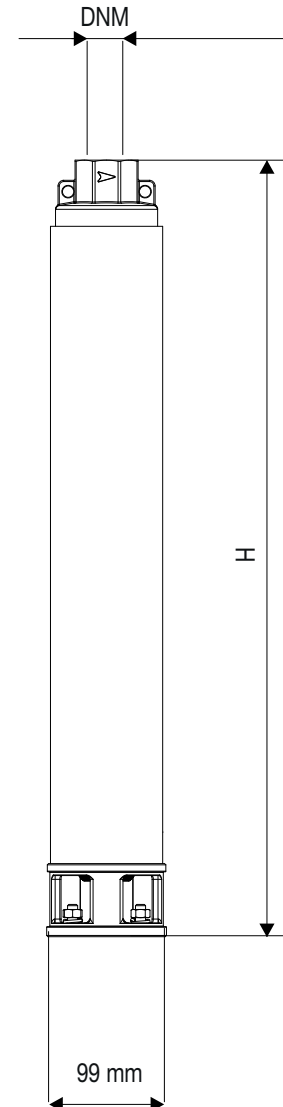
4" SUBMERSIBLE ELECTRIC PUMPS

RANGE PERFORMANCE



S4 35

DIMENSIONS



DIMENSIONS AND WEIGHTS

MODEL	MOTOR TYPE	H LENGTH inch	H LENGTH mm	GROSS WEIGHT lbs	GROSS WEIGHT kg	DISCHARGE SIZE npt
S4 35/10	NO MOTOR	16.6	422	7.1	3.2	2"
S4 35/15	NO MOTOR	19.2	488	7.9	3.6	2"
S4 35/20	NO MOTOR	21.8	554	9.0	4.1	2"
S4 35/30	NO MOTOR	26.9	683	10.8	4.9	2"
S4 35/50	NO MOTOR	38.5	978	18.3	8.3	2"
S4 35/75	NO MOTOR	51.9	1.318	25.1	11.4	2"
S4 35/100	NO MOTOR	68.9	1.750	34.4	15.6	2"

S4 45

4" SUBMERSIBLE ELECTRIC PUMPS

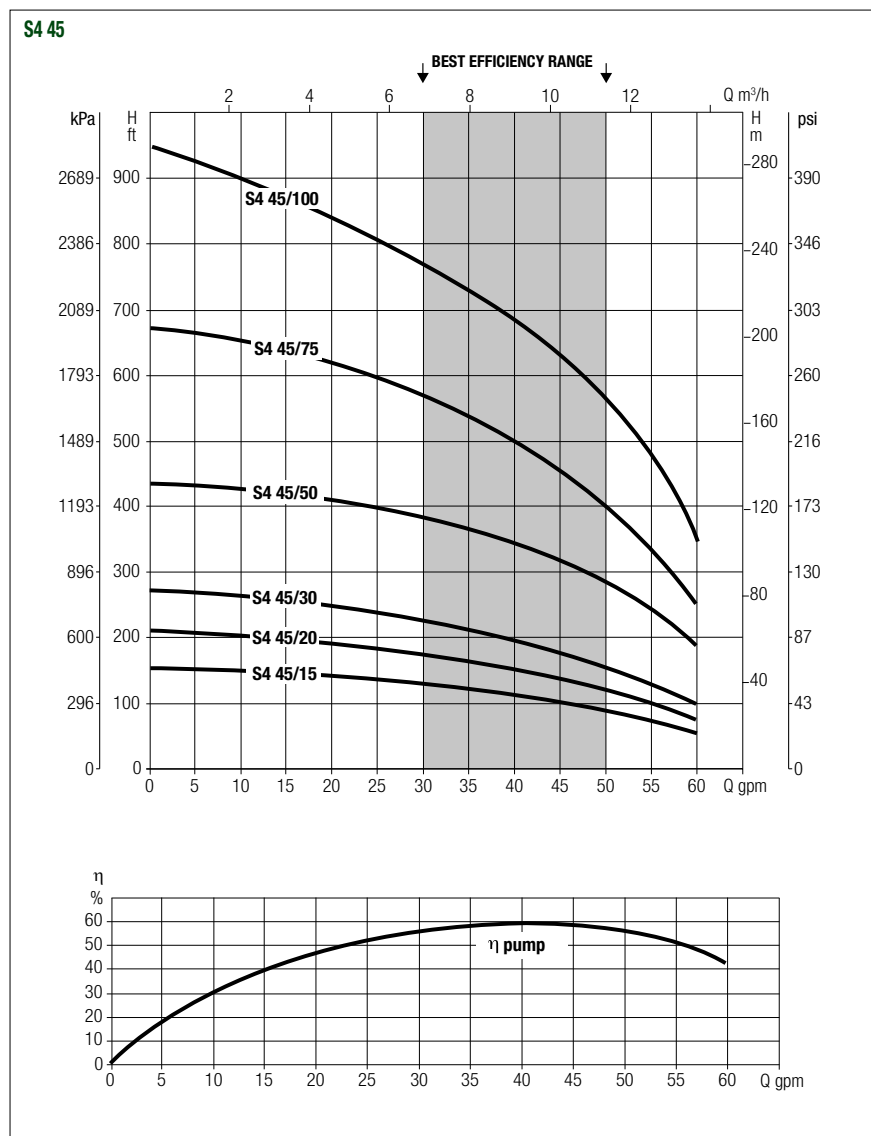
TECHNICAL DATA

MODEL	PUMP END	P2 HP	STAGES	MOTOR TYPE
	CODE			
S4 45/15	60196250	1.5	5	NO MOTOR
S4 45/20	60196251	2	7	NO MOTOR
S4 45/30	60196252	3	9	NO MOTOR
S4 45/50	60196253	5	14	NO MOTOR
S4 45/75	60196254	7.5	22	NO MOTOR
S4 45/100	60196255	10	30	NO MOTOR

S4 45

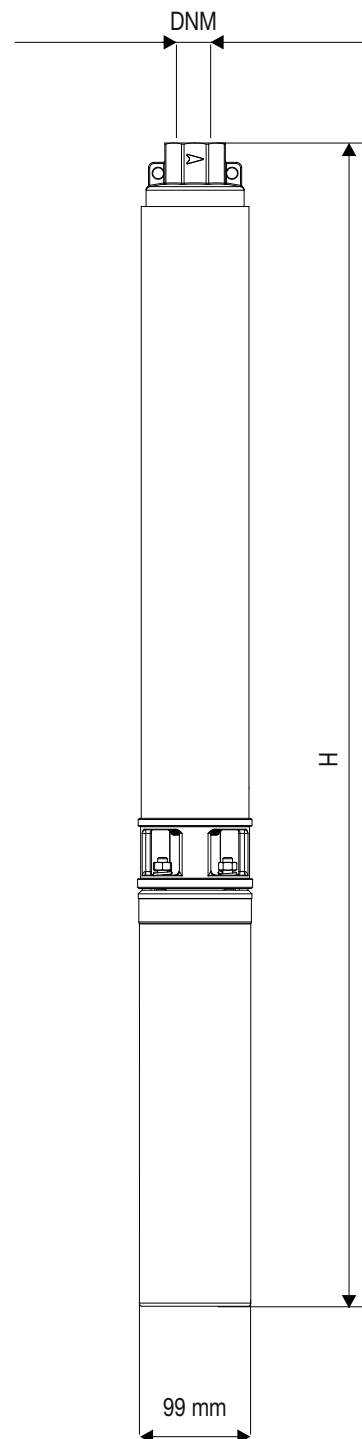
4" SUBMERSIBLE ELECTRIC PUMPS

RANGE PERFORMANCE



S4 45

DIMENSIONS



DIMENSIONS AND WEIGHTS

MODEL	MOTOR TYPE	H LENGTH inch	H LENGTH mm	GROSS WEIGHT lbs	GROSS WEIGHT kg	DISCHARGE SIZE npt
S4 45/15	NO MOTOR	15.3	389	6.6	3	2"
S4 45/20	NO MOTOR	17.9	455	7.5	3.4	2"
S4 45/30	NO MOTOR	20.5	521	8.4	3.8	2"
S4 45/50	NO MOTOR	24.8	630	12.1	5.5	2"
S4 45/75	NO MOTOR	36.0	914	18.1	8.2	2"
S4 45/100	NO MOTOR	45.8	1.163	22.9	10.4	2"

S4 60

4" SUBMERSIBLE ELECTRIC PUMPS

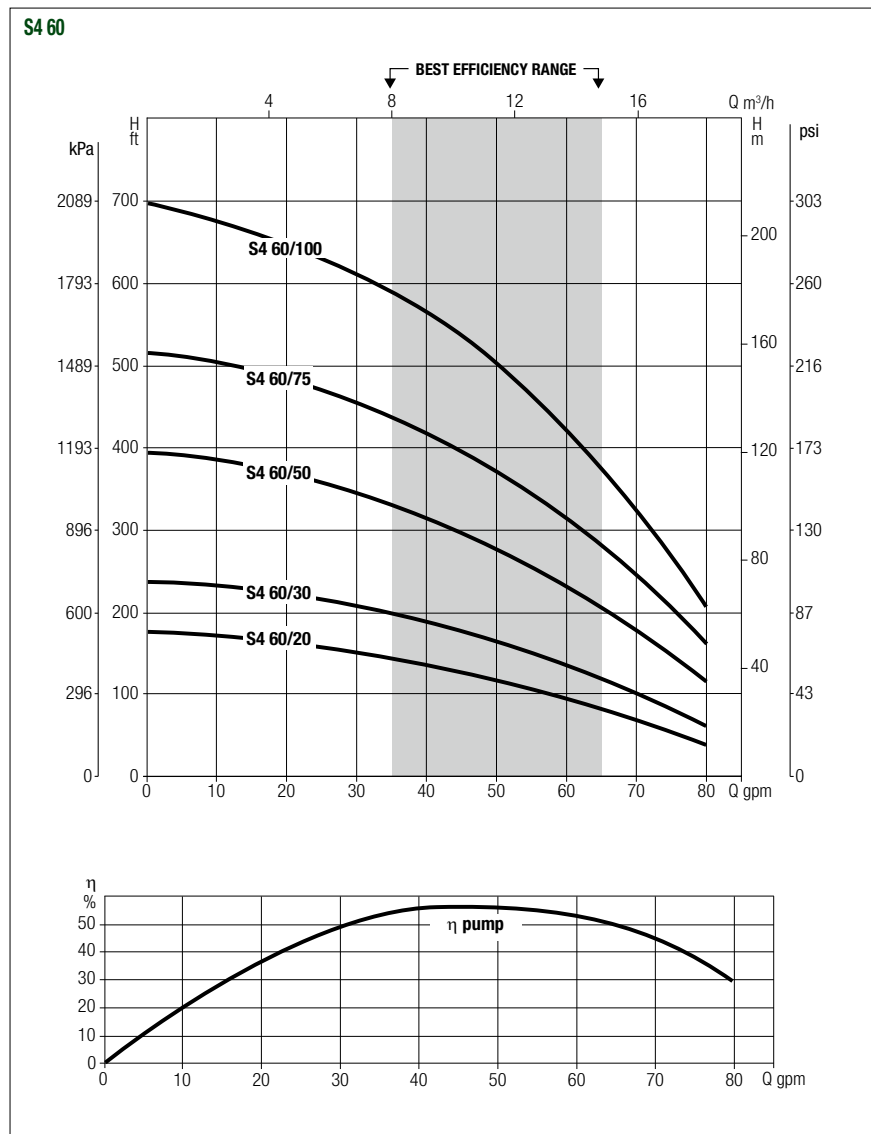
TECHNICAL DATA

MODEL	PUMP END	P2 HP	STAGES	MOTOR TYPE
	CODE			
S4 60/20	60196256	2	6	NO MOTOR
S4 60/30	60196257	3	8	NO MOTOR
S4 60/50	60196258	5	13	NO MOTOR
S4 60/75	60196259	7.5	17	NO MOTOR
S4 60/100	60196260	10	23	NO MOTOR

S4 60

4" SUBMERSIBLE ELECTRIC PUMPS

RANGE PERFORMANCE

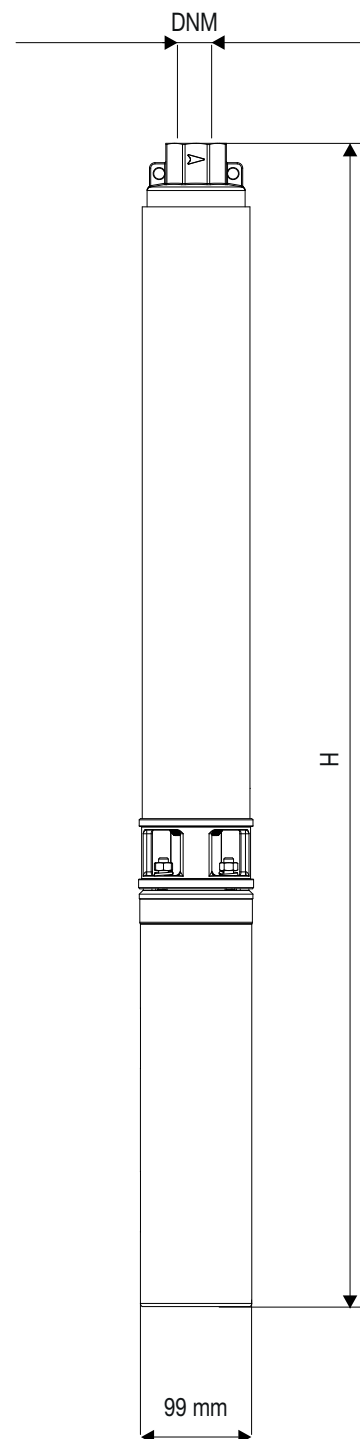


DIMENSIONS AND WEIGHTS

MODEL	MOTOR TYPE	H LENGTH inch	H LENGTH mm	GROSS WEIGHT lbs	GROSS WEIGHT kg	DISCHARGE SIZE npt
S4 60/20	NO MOTOR	21.0	533	9.7	4.4	2"
S4 60/30	NO MOTOR	25.1	638	11.5	5.2	2"
S4 60/50	NO MOTOR	34.3	871	16.1	7.3	2"
S4 60/75	NO MOTOR	44.0	1.118	21.4	9.7	2"
S4 60/100	NO MOTOR	56.2	1.427	28.7	13	2"

S4 60

DIMENSIONS



S4 90

4" SUBMERSIBLE ELECTRIC PUMPS

TECHNICAL DATA

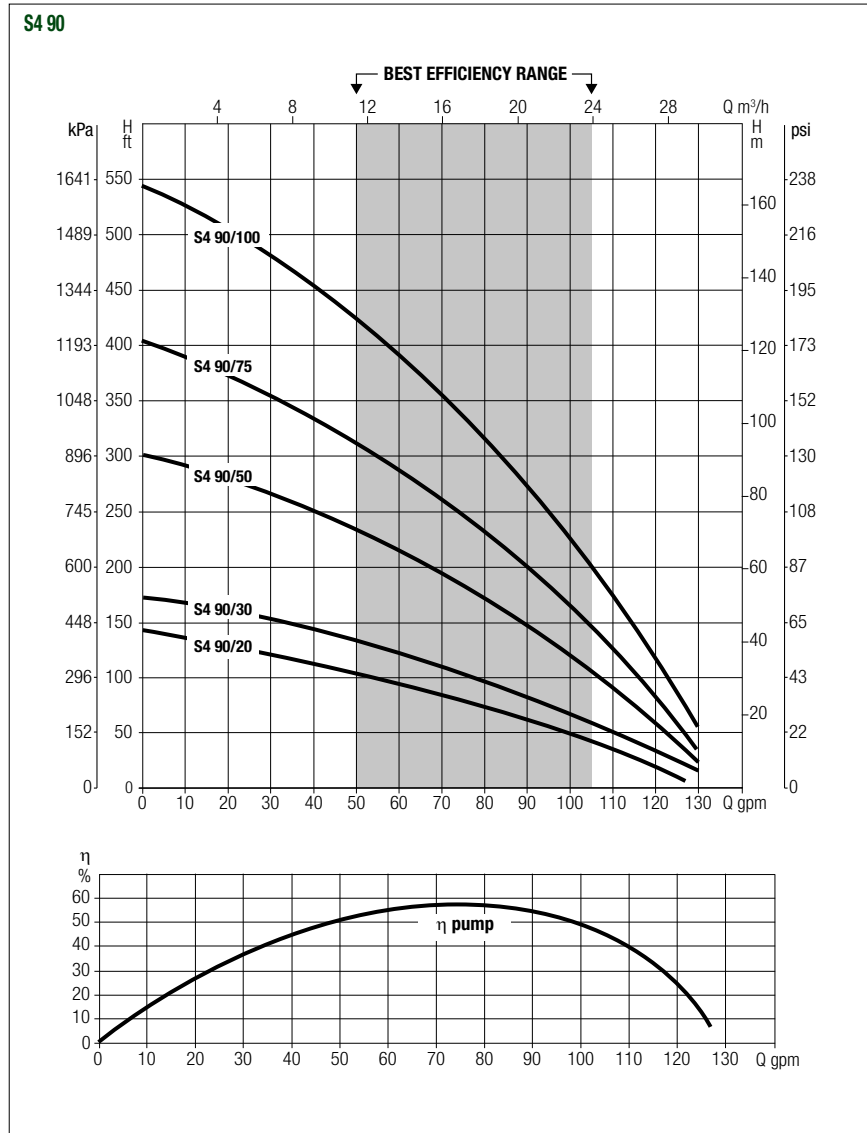
MODEL	PUMP END	P2 HP	STAGES	MOTOR TYPE
	CODE			
S4 90/20	60196261	2	5	NO MOTOR
S4 90/30	60196262	3	6	NO MOTOR
S4 90/50	60196263	5	10	NO MOTOR
S4 90/75	60196264	7.5	14	NO MOTOR
S4 90/100	60196265	10	19	NO MOTOR

NOTE: performances shown does not include friction loss in the drop pipe. All performance data is based on rated motor nameplate voltage. Performance shown is based on a pump without check valve.

S4 90

4" SUBMERSIBLE ELECTRIC PUMPS

RANGE PERFORMANCE

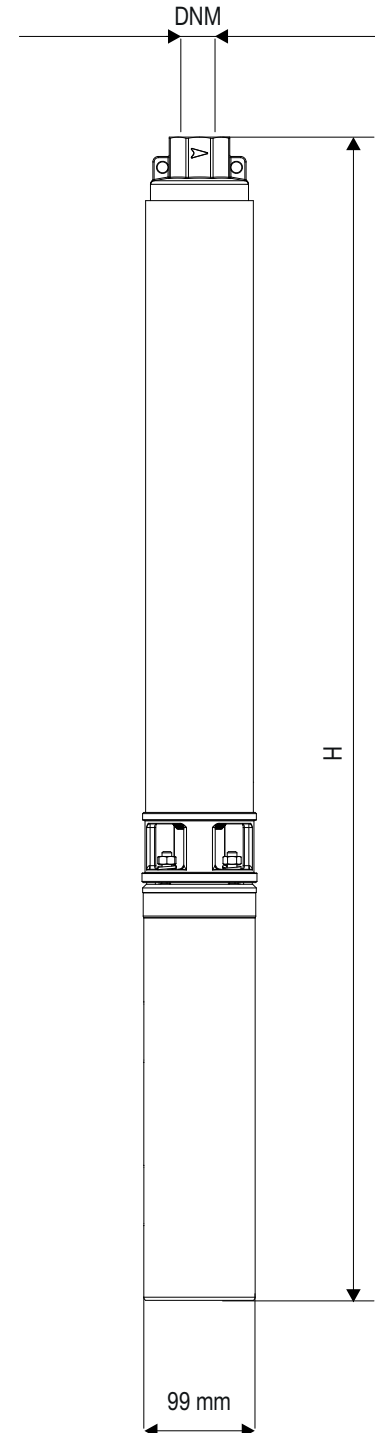


DIMENSIONS AND WEIGHTS

MODEL	MOTOR TYPE	H LENGTH inch	H LENGTH mm	GROSS WEIGHT lbs	GROSS WEIGHT kg	DISCHARGE SIZE npt
S4 90/20	NO MOTOR	22.1	561	9.7	4.4	2"
S4 90/30	NO MOTOR	24.8	630	10.8	4.9	2"
S4 90/50	NO MOTOR	34.5	876	17.2	7.8	2"
S4 90/75	NO MOTOR	46.7	1.186	22.7	10.3	2"
S4 90/100	NO MOTOR	60.1	1.527	28.9	13.1	2"

S4 90

DIMENSIONS



S4

4" SUBMERSIBLE ELECTRIC PUMPS

HYDRAULIC EFFICIENCY

US DOE, S PUMPS ENERGY CONSERVATION STANDARDS

GENERAL INFORMATION

The "S4" pumps are compliant with US DOE, S Pumps energy conservation standards:

- 431.462 Clean water pump
- 431.464 Test procedure for the measurement of energy efficiency, energy consumption, and other performance factors of pumps.
- 431.465 Pumps energy conservation standards and their compliance dates.
- 431.466 Pumps labeling requirements.

The testing and labelling is done by DAB as per the following test procedure, no certification body involvement required for USA.

Appendix A to Subpart Y of Part 431—Uniform Test Method for the Measurement of Energy Consumption of Pumps.

For more info: www.ecfr.gov

BEP US gpm	P2 kW	P2 HP	DAB Model (Pump End DAB)	STAGES	PEI pump end	PEI Hydraulic + 2W motor 230 V	PEI Hydraulic + 3W motor 230 V
25	0.75	1	S 25/10	7	0.98	1	0.98
	1.1	1.5	S 25/15	10	0.88	0.97	0.92
	1.5	2	S 25/20	13	0.87		
	2.2	3	S 25/30	17	0.93		
	3.7	5	S 25/50	26	0.9		
35	0.75	1	S 35/10	6	0.94		
	1.1	1.5	S 35/15	8	0.9		
	1.5	2	S 35/20	10	0.89		
	2.2	3	S 35/30	14	0.9		
	3.7	5	S 35/50	24	0.88		
	5.5	7.5	S 35/75	35	0.92		
	7.5	10	S 35/100	49	0.92		
45	1.1	1.5	S 45/15	5	0.98		
	1.5	2	S 45/20	7	0.96		
	2.2	3	S 45/30	9	0.97		
	3.7	5	S 45/50	14	0.92		
	5.5	7.5	S 45/75	22	0.94		
	7.5	10	S 45/100	30	0.94		
60	1.5	2	S 60/20	6	1		
	2.2	3	S 60/30	8	1		
	3.7	5	S 60/50	13	0.98		
	5.5	7.5	S 60/75	17	1		
	7.5	10	S 60/100	23	1		
90	1.5	2	S 90/20	5	1		
	2.2	3	S 90/30	6	1		
	3.7	5	S 90/50	10	1		
	5.5	7.5	S 90/75	14	1		
	7.5	10	S 90/100	19	0.96		

4TW

SUBMERSIBLE MOTOR 4"



4" Asynchronous two-poles submersible motor, made in AISI 304 stainless steel for parts in contact with water. Cooling and lubrication of the thrust bearing assembly and carbon bushes is provided by a mixture of water and glycol. Squirrel-cage rotor mounted on Kingsbury self-centring thrust bearing. Stator housed in an airtight stainless steel casing (canned-type) with both flanges and shell in AISI 304L stainless steel.

On request is available the **4TWX** version made entirely in stainless steel AISI 316.

Removable cable connector to allow fast and easy maintenance. The cable is certified ACS, WRAS and KTW. Motor suitable for use with variable frequency drive (30 Hz – 50/60 Hz). The capacitor is placed in the Noryl cartridge directly connected to the motor, so the motor doesn't require an external control box. Thermal protection included in the motor from 0.5 HP to 1.5 HP in the 50 Hz version, from 0.5 HP to 1 HP in the 230 V - 60 Hz version.

Flange NEMA 4"

Insulation class F

Protection class IP68

Cooling flow speed 1.0 ft/sec @ 95 °F
min. 0.3 m/s @ 35°C

Power supply tolerance + 6 % / -10 %

Max. starts 20/h

Max operating depth 984 ft (300 m)

Horizontal operation 0.5 HP - 1.5 HP

Motor maximum diameter 3.9" (99 mm)



TECHNICAL DATA - SINGLE PHASE MOTORS

MODEL	CODE	P2		SF	In [A]	In (SF) [A]	Is/In	Cs/Cn	P1 [W]	N [min ⁻¹]	Cos φ	η %	C [μF]	CABLE		
														Dia [AWG]	Length ft	Length m
		V [V]	[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	1.7
4TW - 0.5 HP	60174195	230		1.6	3.9	5	4.6	0.65	800	3450	0.88	46	20	3x14	5½	1.7
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	1.7
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	1.7
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	1.7

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

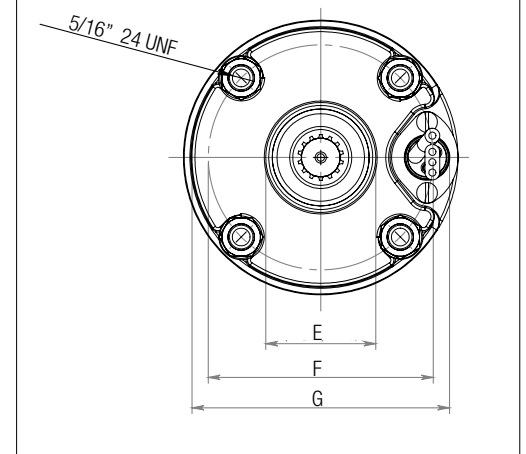
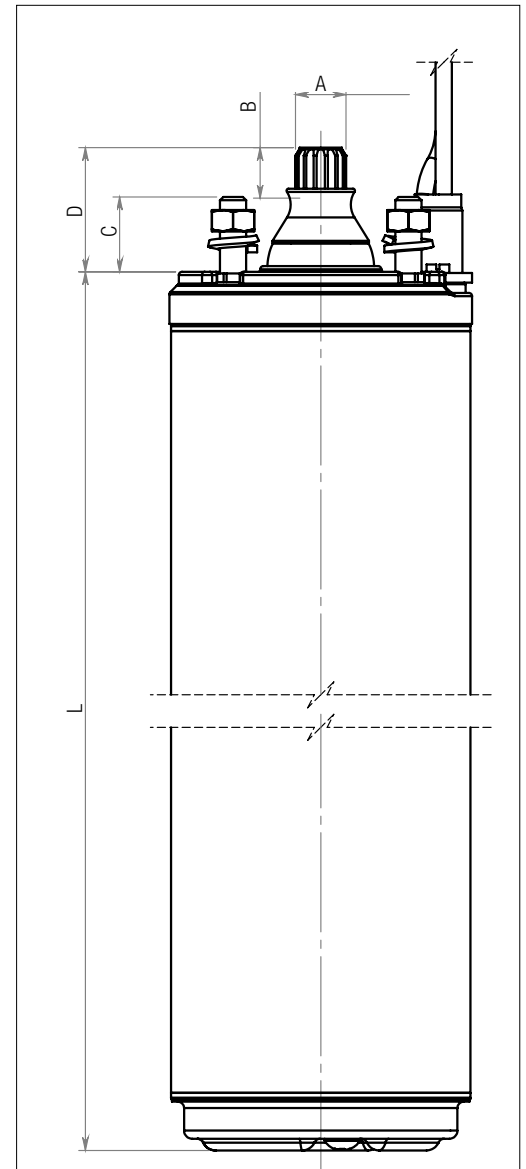
4TW

SUBMERSIBLE MOTOR 4"

DIMENSIONS AND WEIGHTS - SINGLE PHASE MOTORS

MODEL	L LENGTH inch	L LENGTH mm	WEIGHT lbs	WEIGHT kg	AXIAL THRUST lbf	AXIAL THRUST N	Q.TY x PALLET
4TW - 0.5 HP - 0.37KW	13.425	341	21.4	9.7	500	2000	N/A
4TW - 0.5 HP - 0.37KW	13.031	331	21.0	9.5	500	2000	N/A
4TW - 0.75 HP - 0.55KW	13.819	351	23.2	10.5	500	2000	N/A
4TW - 1 HP - 0.75KW	16.772	426	28.9	13.1	700	3000	N/A
4TW - 1.5 HP - 1.1KW	18.543	471	33.3	15.1	700	3000	N/A

POS.	inch	mm
A	0.61	$\varnothing 15.5^{+0.05}_{-0.03}$
B	0.591	$15^{+0.5}_{-0}$
C	0.906	$23^{+0.5}_{-0.5}$
D	$1 \frac{1}{2}$ "	$38.1^{+0.13}_{-0.12}$
E	1.465	$\varnothing 37.2^{+0.4}_{-0.4}$
F	3"	$\varnothing 76.2^{+0.01}_{-0}$
G	3.437	$\varnothing 87.3^{+0}_{-0.1}$



USA VERSION

KIT CABLE CONNECTOR	DESCRIPTION	CODE
	KIT CABLE - FT 5,58 • CABLES WITH DIFFERENT LENGTH • DIFFERENT SUPPLY VOLTAGES • CSA CERTIFIED VERSION	60141970

4GG

SUBMERSIBLE MOTOR 4"



4" Asynchronous two-poles submersible motor, made in AISI 304 stainless steel for parts in contact with water. Cooling and lubrication of the thrust bearing assembly and carbon bushes is provided by a mixture of water and glycol. Squirrel-cage rotor mounted on Kingsbury self-centring thrust bearing. Stator housed in an airtight stainless steel casing (canned-type) with both flanges and shell in AISI 304L stainless steel.

Removable cable connector to allow fast and easy maintenance. The cable is certified ACS, WRAS and KTW. Motor suitable for use with variable frequency drive (30 Hz – 50/60 Hz). Capacitor and manually re-settable overload protection located in the electric panel that can be supplied separately for the single-phase 50 Hz version. For the single-phase 60 Hz version the thermal protection is included in the motor (from 0.5 HP to 1 HP). Overload protection must be provided by user for the three-phase version.

Flange NEMA 4"

Insulation class F

Degree of protection IP68

Cooling flow 1.0 ft/sec @ 95 °F
(min. 0.3 m/s @ 35°C)

Voltage tolerance + 6% / -10%

Max starts 20/h

Max operating depth 984 ft (300 m)

Horizontal operation 0.5 HP - 10 HP

Motor maximum diameter 3.9" (99 mm)



ACCESSORIES
PAGE 147

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]	CABLE	
	CODE		[HP]	[kW]												Dia [AWG]	Length ft m
4GG - 1/2 HP	60174199	115	0.5	0.37	1.6	10.0	12.6	4.0	3.2	800	3450	0.71	48	-	250-300	4x14	5½ 1.7
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 1.7
4GG - 3/4 HP	60174201	230	0.75	0.55	1.5	7.4	8.6	4.6	3.6	1100	3450	0.65	53	-	86-103	4x14	5½ 1.7
4GG - 1 HP	60174202	230	1	0.75	1.4	8.0	9.8	5.5	2.9	1350	3450	0.68	58	-	105-126	4x14	5½ 1.7
4GG - 1 1/2 HP	60174203	230	1.5	1.1	1.3	10.0	12.0	6.0	1.9	1800	3450	0.81	64	10	105-126	4x14	5½ 1.7
4GG - 2 HP	60174204	230	2	1.5	1.25	10.5	12.3	5.3	2.3	2200	3450	0.95	69	20	105-126	4x14	5½ 1.7
4GG - 3 HP	60174205	230	3	2.2	1.15	14.3	16.2	5.5	2.1	3100	3450	0.97	72	45	208-250	4x14	5½ 1.7
4GG - 5 HP	60174206	230	5	3.7	1.15	22.2	25.5	5.5	1.8	5000	3450	0.99	74	2x40	270-324	4x14	8 ¾ 2.7

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

4GG

SUBMERSIBLE MOTOR 4"

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]											Dia [AWG]	Length ft	m
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	1.7
	60212089	575			1.6	1.3	1.5	5	3.2	650	3450	0.54	57	-	4x14	5½	1.7
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	1.7
	60216730	575			1.5	1.8	1.9	5.5	3.6	840	3450	0.48	65	-	4x14	5½	1.7
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	1.7
	60185140	575			1.4	2.1	2.2	5.8	4.2	1200	3450	0.59	63	-	4x14	5½	1.7
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	1.7
	60216731	575			1.3	2.9	3.1	6.7	4.1	1720	3450	0.60	64	-	4x14	5½	1.7
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	1.7
	60216732	575			1.25	3.7	6.1	6.7	3.8	2160	3450	0.59	69	-	4x14	5½	1.7
4GG - 3 HP	60140364	230	3	2.2	1.15	11.2	12	7.5	4.8	3160	3450	0.69	71	-	4x14	5½	1.7
	60216733	575			1.15	4.5	4.8	7.1	4.8	3050	3450	0.68	72	-	4x14	5½	1.7
4GG - 5 HP	60140368	230	5	4	1.15	17.8	19.2	7.4	4	5230	3450	0.7	77	-	4x14	8 ¾	1.7
	60185141	575			1.15	7.1	7.7	7.4	4.4	5300	3450	0.75	75	-	4x14	8 ¾	1.7
4GG - 7.5 HP	60140370	230	7.5	5.5	1.15	24	26	7.5	3.8	7100	3450	0.71	78	-	4x14	11½	3.5
	60216734	575			1.15	9.6	10.4	7.5	3.8	7050	3450	0.74	79	-	4x14	11½	3.5
4GG - 10 HP	60185142	575	10	7.5	1.15	12.3	13.5	7.1	3.9	9100	3450	0.74	82	-	4x14	11½	3.5

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

4GG

SUBMERSIBLE MOTOR 4"

DIMENSIONS AND WEIGHTS - SINGLE PHASE MOTORS

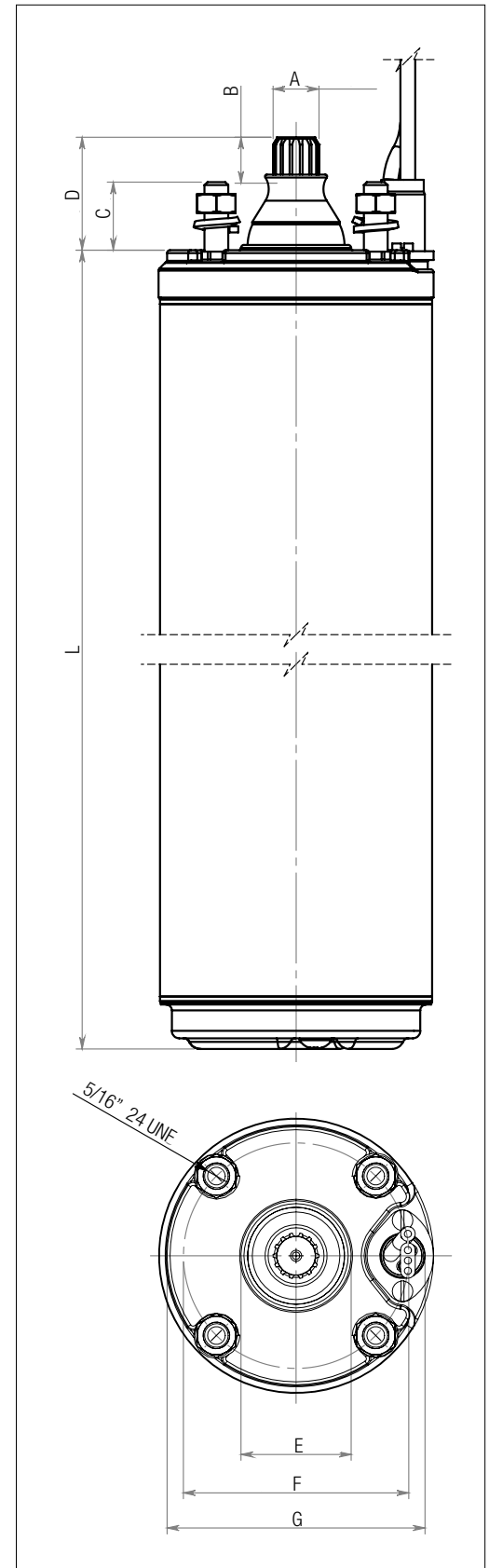
MODEL	L LENGTH inch	L LENGTH mm	WEIGHT lbs	WEIGHT kg	AXIAL THRUST lbf	AXIAL THRUST N	Q.TY x PALLET
4GG - 1/2 HP - 0.37KW	10.472	266	19.4	8.8	500	2000	N/A
4GG - 3/4 HP - 0.55KW	11.26	286	21.4	9.7	500	2000	N/A
4GG - 1 HP - 0.75KW	13.622	346	27.8	12.6	700	3000	N/A
4GG - 1 1/2 HP - 1.1KW	16.181	411	32.5	14.7	700	3000	N/A
4GG - 2 HP - 1.5KW	16.181	411	32.7	14.8	700	3000	N/A
4GG - 3 HP - 2.2KW	21.417	544	45.2	20.5	1500	6000	N/A
4GG - 5 HP - 3.7KW	26.929	684	59.8	27.1	1500	6000	N/A

DIMENSIONS AND WEIGHTS - THREE PHASE MOTORS

MODEL	L LENGTH inch	L LENGTH mm	WEIGHT lbs	WEIGHT kg	AXIAL THRUST lbf	AXIAL THRUST N	Q.TY x PALLET
4GG - 1/2 HP - 0.37KW	9.291	236	16.3	7.4	500	2000	N/A
4GG - 3/4 HP - 0.55KW	10.472	266	19.4	8.8	500	2000	N/A
4GG - 1 HP - 0.75KW	11.26	286	21.4	9.7	500	2000	N/A
4GG - 1 1/2 HP - 1.1KW	13.622	346	25.8	11.7	700	3000	N/A
4GG - 2 HP - 1.5KW	15.394	391	30.5	13.8	700	3000	N/A
4GG - 3 HP - 2.2KW	19.843	504	40.8	18.5	1500	6000	N/A
4GG - 5 HP - 3.7KW	24.173	614	51.9	23.5	1500	6000	N/A
4GG - 7.5 HP - 5.5KW	26.929	684	59.8	27.1	1500	6000	N/A
4GG - 10 HP - 7.5KW	30.079	764	68.7	31.2	1500	6000	N/A

POS.	inch	mm	POS.	inch	mm	POS.	inch	mm
A	0.610	$\varnothing 15.5^{+0.05}_{-0.03}$	D	1 1/2"	$38.17^{+0.13}_{-0.12}$	F	3"	$\varnothing 76.2^{+0.01}_{-0}$
B	0.591	$15^{+0.5}_{-0}$	E	1.465	$37.2^{+0.4}_{-0.4}$	G	3 3/8"	$\varnothing 87.3^{+0}_{-0.1}$
C	7/8"	$23^{+0.5}_{-0}$						

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



4GX

SUBMERSIBLE MOTOR 4"



4" Asynchronous two-poles submersible motor, made in AISI 304 stainless steel for parts in contact with water. Cooling and lubrication of the thrust bearing assembly and carbon bushes is provided by a mixture of water and glycol. Squirrel-cage rotor mounted on Kingsbury self-centring thrust bearing. Stator housed in an airtight stainless steel casing (canned-type) with both flanges and shell in AISI 304L stainless steel.

Removable cable connector to allow fast and easy maintenance. The cable is certified ACS, WRAS and KTW. Motor suitable for use with variable frequency drive (30 Hz – 50/60 Hz). Capacitor and manually re-settable overload protection located in the electric panel that can be supplied separately for the single-phase 50 Hz version. For the single-phase 60 Hz version the thermal protection is included in the motor (from 0.5 HP to 1 HP). Overload protection must be provided by user for the three-phase version.

Flange NEMA 4"

Insulation class F

Degree of protection IP68

Cooling flow 1.0 ft/sec @ 95 °F
(min. 0.3 m/s @ 35°C)

Voltage tolerance + 6% / -10%

Max starts 20/h

Max operating depth 984 ft (300 m)

Horizontal operation 0.5 HP - 10 HP

Motor maximum diameter 3.9" (99 mm)



ACCESSORIES
PAGE 147

TECHNICAL DATA - SINGLE PHASE MOTORS

MODEL	3 WIRE CODE	P2		SF	In [A]	In (SF) [A]	Is/In	CsCn	P1 [W]	N [min ⁻¹]	Cos φ	η %	C1 [μF]	C2 [μF]	CABLE	
															Dia	Length
		[HP]	[kW]												AWG	ft m
4GX - 1/2 HP	TBA	0.5	0.37	1.6	10.0	12.6	4.0	3.2	800	3450	0.71	48	-	250-300	4x14	5½ 1.7
4GX - 1/2 HP	TBA			1.6	5.5	6.8	4.2	3.9	800	3450	0.62	46	-	59-71	4x14	5½ 1.7
4GX - 3/4 HP	60143815	0.75	0.55	1.5	7.4	8.6	4.6	3.6	1100	3450	0.65	53	-	86-103	4x14	5½ 1.7
4GX - 1 HP	60143816	1	0.75	1.4	8.0	9.8	5.5	2.9	1350	3450	0.68	58	-	105-126	4x14	5½ 1.7
4GX - 1 1/2 HP	60143817	1.5	1.1	1.3	10.0	12.0	6.0	1.9	1800	3450	0.81	64	10	105-126	4x14	5½ 1.7
4GX - 2 HP	TBA	2	1.5	1.25	10.5	12.3	5.3	2.3	2200	3450	0.95	69	20	105-126	4x14	5½ 1.7
4GX - 3 HP	TBA	3	2.2	1.15	14.3	16.2	5.5	2.1	3100	3450	0.97	72	45	208-250	4x14	5½ 1.7
4GX - 5 HP	TBA	5	3.7	1.15	22.2	25.5	5.5	1.8	5000	3450	0.99	74	2x40	270-324	4x14	8 ¾ 2.7

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

4GX

SUBMERSIBLE MOTOR 4"

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]											Dia AWG	Length ft m	
4GX - 1/2 HP	TBA	230	0.5	0.37	1.6	3.2	3.8	4.4	3.2	870	3450	0.4	42	-	4x14	5½	1.7
	TBA	575			1.6	1.3	1.5	5	3.2	650	3450	0.54	57	-	4x14	5½	1.7
4GX - 3/4 HP	TBA	230	0.75	0.55	1.5	4.4	4.8	5.2	3.6	1140	3450	0.47	48	-	4x14	5½	1.7
	TBA	575			1.5	1.8	1.9	5.5	3.6	840	3450	0.48	65	-	4x14	5½	1.7
4GX - 1 HP	TBA	230	1	0.75	1.4	5.2	5.6	6.4	4.2	1260	3450	0.59	59	-	4x14	5½	1.7
	TBA	575			1.4	2.1	2.2	5.8	4.2	1200	3450	0.59	63	-	4x14	5½	1.7
4GX - 1 1/2 HP	60152125	230	1.5	1.1	1.3	7.2	7.8	5.9	4.1	1875	3450	0.53	60	-	4x14	5½	1.7
	TBA	575			1.3	2.9	3.1	6.7	4.1	1720	3450	0.60	64	-	4x14	5½	1.7
4GX - 2 HP	60177172	230	2	1.5	1.15	9.2	9.8	6.1	3.8	2230	3450	0.57	67	-	4x14	5½	1.7
	TBA	575			1.25	3.7	6.1	6.7	3.8	2160	3450	0.59	69	-	4x14	5½	1.7
4GX - 3 HP	TBA	230	3	2.2	1.15	11.2	12	7.5	4.8	3160	3450	0.69	71	-	4x14	5½	1.7
	TBA	575			1.15	4.5	4.8	7.1	4.8	3050	3450	0.68	72	-	4x14	5½	1.7
4GX - 5 HP	60185659	230	5	4	1.15	17.8	19.2	7.4	4	5230	3450	0.7	77	-	4x14	5½	1.7
	TBA	575			1.15	7.1	7.7	7.4	4.4	5300	3450	0.75	75	-	4x14	5½	1.7
4GX - 7.5 HP	TBA	230	7.5	5.5	1.15	24	26	7.5	3.8	7100	3450	0.71	78	-	4x14	11½	1.7
	TBA	575			1.15	9.6	10.4	7.5	3.8	7050	3450	0.74	79	-	4x14	11½	3.5
4GX - 10 HP	TBA	575	10	7.5	1.15	12.3	13.5	7.1	3.9	9100	3450	0.74	82	-	4x14	11½	3.5

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

4GX

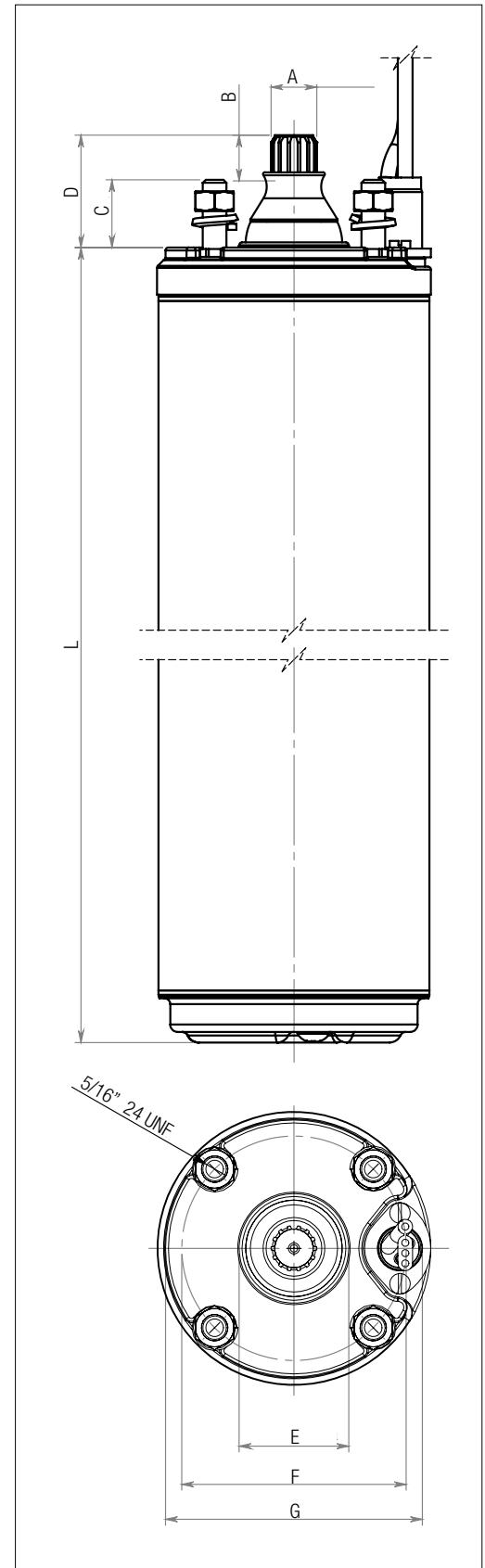
SUBMERSIBLE MOTOR 4"

DIMENSIONS AND WEIGHTS - SINGLE PHASE MOTORS

MODEL	L LENGTH inch	L LENGTH mm	WEIGHT lbs	WEIGHT kg	AXIAL THRUST lbf	AXIAL THRUST N	Q.TY x PALLET
4GX - 1/2 HP - 0.37KW	10.472	266	20.3	9.2	500	2000	N/A
4GX - 3/4 HP - 0.55KW	11.26	286	22.3	10.1	500	2000	N/A
4GX - 1 HP - 0.75KW	13.622	346	28.7	13	700	3000	N/A
4GX - 1 1/2 HP - 1.1KW	16.181	411	33.3	15.1	700	3000	N/A
4GX - 2 HP - 1.5KW	16.181	411	33.5	15.2	700	3000	N/A
4GX - 3 HP - 2.2KW	21.417	544	39.7	18	1500	6000	N/A
4GX - 5 HP - 3.7KW	26.929	684	60.3	27.4	1500	6000	N/A

DIMENSIONS AND WEIGHTS - THREE PHASE MOTORS

MODEL	L LENGTH inch	L LENGTH mm	WEIGHT lbs	WEIGHT kg	AXIAL THRUST lbf	AXIAL THRUST N	Q.TY x PALLET
4GX - 1/2 HP - 0.37KW	9.291	236	17.2	7.8	500	2000	N/A
4GX - 3/4 HP - 0.55KW	10.472	266	20.3	9.2	500	2000	N/A
4GX - 1 HP - 0.75KW	11.26	286	22.3	10.1	500	2000	N/A
4GX - 1 1/2 HP - 1.1KW	13.622	346	26.7	12.1	700	3000	N/A
4GX - 2 HP - 1.5KW	15.394	391	31.3	14.2	700	3000	N/A
4GX - 3 HP - 2.2KW	19.843	504	33.3	15.1	1500	6000	N/A
4GX - 5 HP - 3.7KW	24.173	614	52.3	23.7	1500	6000	N/A
4GX - 7.5 HP - 5.5KW	26.929	684	60.3	27.4	1500	6000	N/A
4GX - 10 HP - 7.5KW	30.079	764	69.1	31.3	1500	6000	N/A



POS.	inch	mm	POS.	inch	mm	POS.	inch	mm
A	0.610	Ø 15.5 ^{+0.05} _{-0.03}	D	1 1/2"	38.17 ^{+0.13} _{-0.12}	F	3"	Ø 76.2 ^{+0.01} ₋₀
B	0.591	15 ^{+0.5} ₋₀	E	1.465	37.2 ^{+0.4} _{-0.4}	G	3 3/8"	Ø 87.3 ⁺⁰ _{-0.1}
C	7/8"	23 ^{+0.5} ₋₀						

6GF

SUBMERSIBLE MOTOR 6"



6" Asynchronous two-poles submersible motor, made in AISI 304 stainless steel and cast iron with paint coating for parts in contact with water. Cooling and lubrication of the thrust bearing assembly and carbon bushes is provided by a mixture of water and glycol. Squirrel-cage rotor mounted on Kingsbury self-centring thrust bearing. Stator housed in an airtight stainless steel casing (canned-type). Removable cable connector to allow fast and easy maintenance. The cable is certified ACS, WRAS and KTW. Motor suitable for use with variable frequency drive (30 Hz-50/60 Hz). The motor is available in three-phase version with DOL or STAR-DELTA starting type. Overload protection must be provided by user.

The motor can be equipped also with a PT100 temperature sensor.

Flange NEMA 6"

Insulation class F

Degree of protection IP68

Cooling flow 1.0 ft/sec @ 95 °F
(0.3 m/s @ 35°C)

Voltage tolerance + 6% / -10%

Max starts 25/h

Max operating depth 984 ft (300 m)

Horizontal operation 5.5 HP - 60 HP



ACCESSORIES
PAGE 147

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]		CABLE		
	CODE		[HP]	[kW]									Start	Run	Dia	Length	
															AWG	ft	m
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	4
6GF - 10 HP	60187219	230	10	7.5	1.15	43	49	20	9800	3490	0.76	77	616-740	70	4x10	13	4
6GF - 15 HP	60187220	230	15	11	1.15	63	74	30	14350	3490	0.77	76	701-841	135	4x8	13	4

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]										Dia AWG	Length ft	m
6GF - HP 5.5	60181824	230	5.5	4	1.15	18.5	20	5.1	5700	3450	0.77	70	Δ	4x10	13	4
	60211699	575			1.15	6.9	7.6	5.5	5700	3470	0.83	70	Y	4x10	13	4
	60181833	460			1.15	8.6	9.5	5.5	5700	3470	0.83	70	Y	4x10	13	4
6GF - HP 7.5	60181825	230	7.5	5.5	1.15	24	26.6	5	7400	3480	0.77	74	Δ	4x10	13	4
	60211700	575			1.15	9.6	10.6	5	7400	3470	0.77	74	Y	4x10	13	4
	60181834	460			1.15	12	13.3	5	7400	3480	0.77	74	Y	4x10	13	4
6GF - HP 10	60181826	230	10	7.5	1.15	34	37	4.8	9900	3465	0.73	76	Δ	4x10	13	4
	60211701	575			1.15	12.0	13.2	5.5	9900	3465	0.83	76	Y	4x10	13	4
	60181835	460			1.15	15	16.5	5.5	9900	3465	0.83	76	Y	4x10	13	4

6GF

SUBMERSIBLE MOTOR 6"

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]										Dia AWG	Length	
															ft	m
6GF - HP 15	60181828	230	15	11	1.15	50	54	4.4	13400	3495	0.67	82	Δ	4x10	13	4
	60163896	575			1.15	16.8	18.6	5.2	13400	3480	0.80	82	Y	4x10	13	4
	60181837	460			1.15	21	23.3	5.2	13400	3495	0.80	82	Y	4x10	13	4
6GF - HP 20	60181830	230	20	15	1.15	63	68	4.8	18200	3475	0.73	82	Δ	4x10	13	4
	60211703	575			1.15	22.1	24.6	5.4	18200	3475	0.83	82	Y	4x10	13	4
	60181839	460			1.15	27.6	30.8	5.4	18200	3475	0.83	82	Y	4x10	13	4
6GF - HP 25	60181831	230	25	18.5	1.15	73.4	80	5.7	22200	3475	0.76	83	Δ	4x8	13	4
	60163665	575			1.15	29.3	33.2	5.7	22200	3475	0.76	83	Y	4x8	13	4
	60181840	460			1.15	36.7	40	5.7	22200	3475	0.76	83	Y	4x8	13	4
6GF - HP 30	60181832	230	30	22	1.15	95	105	5.5	26500	3480	0.7	83	Δ	4x8	13	4
	60212034	575			1.15	35.7	39.8	5.8	26500	3480	0.75	83	Y	4x8	13	4
	60202631	460			1.15	44.7	49.8	5.8	26500	3480	0.74	83	Y	4x8	13	4
6GF - HP 40	60212035	575	40	30	1.15	43.2	49.6	6.3	35700	3480	0.83	84	Y	4x8	13	4
	60202632	460			1.15	54	62	6.3	35700	3480	0.83	84	Y	4x8	13	4
6GF - HP 50	60212036	575	50	37	1.15	55.0	62.0	6.2	44800	3480	0.82	83	Y	4x8	13	4
	60202633	460			1.15	69	77	6.1	44800	3480	0.82	83	Y	4x8	13	4
6GF - HP 60	60212037	575	60	45	1.15	65.6	73.6	6.5	53500	3450	0.83	84	Y	4x8	13	4
	60202634	460			1.15	82	92	6.5	53500	3450	0.83	84	Y	4x8	13	4

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

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

6GF

SUBMERSIBLE MOTOR 6"

DIMENSIONS AND WEIGHTS - SINGLE PHASE MOTORS

MODEL	L LENGTH inch	L LENGTH mm	WEIGHT lbs	WEIGHT kg	AXIAL THRUST lbf	AXIAL THRUST N	Q.TY x PALLET
6GF - 7.5 HP - 5.5KW	28.74	730	154.5	70.1	3600	16000	N/A
6GF - 10 HP - 7.5KW	30.944	786	168	76.2	3600	16000	N/A
6GF - 15 HP - 11KW	33.897	861	185.2	84	3600	16000	N/A

DIMENSIONS AND WEIGHTS - THREE PHASE MOTORS

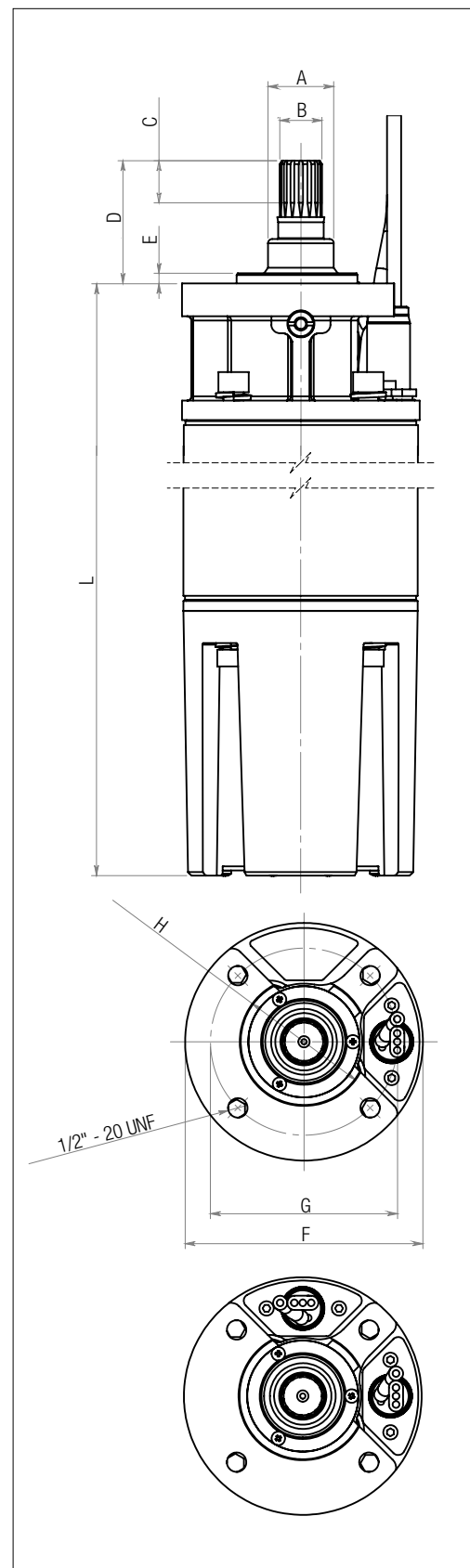
MODEL	L LENGTH inch	L LENGTH mm	WEIGHT lbs	WEIGHT kg	AXIAL THRUST lbf	AXIAL THRUST N	Q.TY x PALLET
6GF - HP 5.5 - 4KW	23.661	601	123.3	55.9	3600	16000	N/A
6GF - HP 7.5 - 5.5KW	24.843	631	130.7	59.3	3600	16000	N/A
6GF - HP 10 - 7.5KW	26.023	661	137.4	62.3	3600	16000	N/A
6GF - HP 15 - 11KW	28.779	731	162.1	73.5	3600	16000	N/A
6GF - HP 20 - 15KW	30.944	786	174.8	79.3	3600	16000	N/A
6GF - HP 25 - 18.5KW	33.897	861	192.1	87.1	3600	16000	N/A
6GF - HP 30 - 22KW	36.258	921	205.3	93.1	3600	16000	N/A
6GF - HP 40 - 30KW	41.377	1.051	236.6	107.3	6000	27000	N/A
6GF - HP 50 - 37KW	46.496	1.181	274.5	124.5	6000	27000	N/A
6GF - HP 60 - 45KW	53.582	1.361	311.5	141.3	6000	27000	N/A

POS.	inch	mm	POS.	inch	mm
A	1.535	Ø 39	E	0.236	6 ⁺⁰ _{-0.2}
B	0.984	Ø 25 ^{+0.1} ₋₀	F	5.551	Ø 141
C	0.984	25 ^{+0.5} ₋₀	G	4.370	Ø 111 ^{+0.2} ₋₀
D	2.867	72.83 ^{+0.19} _{-0.18}	H	3.000	Ø 76.15 ⁺⁰ _{-0.04}

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

ON REQUEST

- CABLES WITH DIFFERENT LENGTH
- DIFFERENT SUPPLY VOLTAGES
- SINGLE PHASE VERSION (UP TO 15 HP)
- PT100 TEMPERATURE SENSOR
- PTC TEMPERATURE SENSOR (ONLY DOL VERSION)



TR 8

SUBMERSIBLE MOTOR 8"



8" Asynchronous two-poles or four-poles submersible motor, rewindable type, with external shell made in AISI 316 stainless steel and supports in cast iron with paint coating (standard version). Cooling and lubrication of the thrust bearing assembly and carbon bushes is provided by a mixture of water and glycol. Squirrel-cage rotor mounted on Mitchell self-centring thrust bearing. The motor is available also in full stainless steel **AISI 316** version or **AISI 904** version. On request it's available also a version suitable for use with variable frequency drive (30 Hz-50/60 Hz). The motor is equipped with 5 meters three-core cable directly connected with the windings and it's available with DOL or STAR-DELTA starting type. The cable is certified ACS and WRAS and KTW. Overload protection must be provided by user. On request PT100 and PTC temperature sensors.

Flange NEMA 8"

Degree of protection IP58 - (IP68) optional

Cooling flow 1.64 ft/sec (0.5 m/s)

Voltage tolerance + 6% / -10%

Max starts 10/h

Max operating depth 984 ft (300 m)

Max operating pressure 870 psi (60 bar)

Horizontal operation 30 HP - 125 HP



ACCESSORIES
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TECHNICAL DATA - THREE PHASE MOTORS - 2 POLES

DOL**

MODEL	STANDARD	V* [V]	P2		SF	In (SF) [A]	Is/In	P1 [W]	N [min ⁻¹]	Cos φ	η %	CABLE			
	CODE		[HP]	[kW]								dia		Length	
												AWG	ft	m	
TR 8 60 - 45KW	60203160	575	60	45	1.15	68	6.5	59262	3500	0.82	87	3x4+ 1 x4	16	5	
TR 8 75 - 55KW	60203161	575	75	55	1.15	85	6.5	74621	3485	0.88	3485	3x4+ 1 x4	16	5	
TR 8 100 - 75KW	60203162	575	100	75	1.15	112	5.8	99274	3470	0.89	86	3x4+ 1 x4	16	5	
TR 8 125 - 92KW	60203163	575	125	92	1.15	133	5.6	118183	3460	0.89	83	3x4+ 1 x4	16	5	
TR 8 150 - 110KW	60203164	575	150	110	1.15	167	5.7	144699	3490	0.87	86	3x4+ 1 x4	16	5	

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

* Available on request Voltage up to 1000 V.
** Available on request STAR/DELTA version.

TECHNICAL DATA - THREE PHASE MOTORS - 4 POLES

DOL**

MODEL	STANDARD	V * [V]	P2		SF	In (SF) [A]	Is/In	P1 [W]	N [min ⁻¹]	Cos φ	η %	CABLE			
	CODE		[HP]	[kW]								Dia		Length	
												AWG	ft	m	
TR 8 15 - 11KW	60208024	575	15	11	1.15	20.4	5.0	16050	1755	0.79	80	3x4+ 1 x4	16	5	
TR 8 40 - 30KW	60191202	575	40	30	1.15	51.5	4.4	42588	1740	0.83	82	3x4+ 1 x4	16	5	

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

* Available on request Voltage up to 1000 V.
** Available on request STAR/DELTA version.

TR 8

SUBMERSIBLE MOTOR 8"

DIMENSIONS AND WEIGHTS - THREE PHASE MOTORS - 2 POLES

MODEL	L LENGTH inch	L LENGTH mm	WEIGHT lbs	WEIGHT kg	AXIAL THRUST lbf
TR 8 60 - 45KW	50	1.270	390	177	13500
TR 8 75 - 55KW	53	1.346	423	192	13500
TR 8 100 - 75KW	63	1.600	522	237	13500
TR 8 125 - 92KW	72	1.830	624	283	13500
TR 8 150 - 110KW	81	2.060	734	333	13500

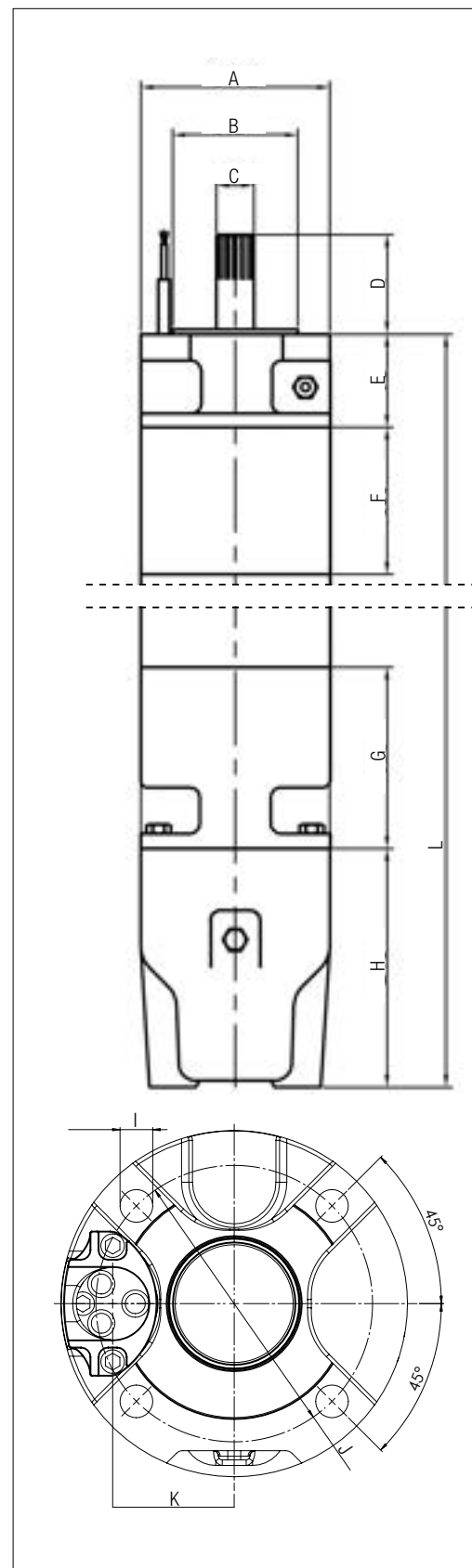
DIMENSIONS AND WEIGHTS - THREE PHASE MOTORS - 4 POLES

MODEL	L LENGTH inch	L LENGTH mm	WEIGHT lbs	WEIGHT kg	AXIAL THRUST lbf
TR 8 15 - 11KW	44	1.118	322	146	13500
TR 8 15N - 11KW	44	1.118	329	149	13500
TR 8 40 - 30KW	63	1.600	522	237	13500

POS.	inch	mm	POS.	inch	mm	POS.	inch	mm
A	7.559	Ø 192	E	3.740	95	I	4 x 0.709"	4 x Ø 18
B	5"	Ø 127	F	5.906	150	J	2.677	68
C	1 ½"	Ø 38	G	7.283	185	K	6.004	Ø 153
D	4"	102	H	9.567	243			

ON REQUEST

- CABLES WITH DIFFERENT LENGTH
- DIFFERENT SUPPLY VOLTAGES
- PT100 TEMPERATURE SENSOR
- PTC TEMPERATURE SENSOR
- SPECIAL TERMINAL SHAFT
- DEGREE OF PROTECTION IP 68



TR 10

SUBMERSIBLE MOTOR 10"



10" Asynchronous two-poles or four-poles submersible motor, rewindable type, with external shell made in AISI 316 stainless steel and supports in cast iron with paint coating (standard version). Cooling and lubrication of the thrust bearing assembly and carbon bushes is provided by a mixture of water and glycol. Squirrel-cage rotor mounted on Mitchell self-centring thrust bearing. The motor is available also in full stainless steel **AISI 316** version or **AISI 904** version.

On request it's available also a version suitable for use with variable frequency drive (30 Hz-50/60 Hz). The motor is equipped with 8 meters single-core cables directly connected with the windings and it's available with DOL or STAR-DELTA starting type.

The cables are certified ACS and WRAS and KTW. Overload protection must be provided by user.

On request PT100 and PTC temperature sensors are available.

Flange NEMA 10"

Degree of protection IP58 - (IP68) optional

Cooling flow 1.64 ft/sec (0.5 m/s)

Voltage tolerance + 6% / -10%

Max starts 8/h

Max operating depth 984 ft (300 m)

Max operating pressure 870 psi (60 bar)

Horizontal operation 100 HP - 230 HP



ACCESSORIES
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TECHNICAL DATA - THREE PHASE MOTORS - 4 POLES

DOL**

MODEL	STANDARD	V * [V]	P2		SF	In (SF) [A]	Is/In	P1 [W]	N [min ⁻¹]	Cos ϕ	η %	CABLE		
	CODE		[HP]	[kW]								Dia		Length
												AWG	ft	m
TR 10 100 - 75KW	60162386	575	100	75	1.15	119	5.4	97346	1755	0.82	88	3x0+1x3	26	8

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

* Available on request Voltage up to 1000 V.

** Available on request STAR/DELTA version.

TR 10

SUBMERSIBLE MOTOR 10"

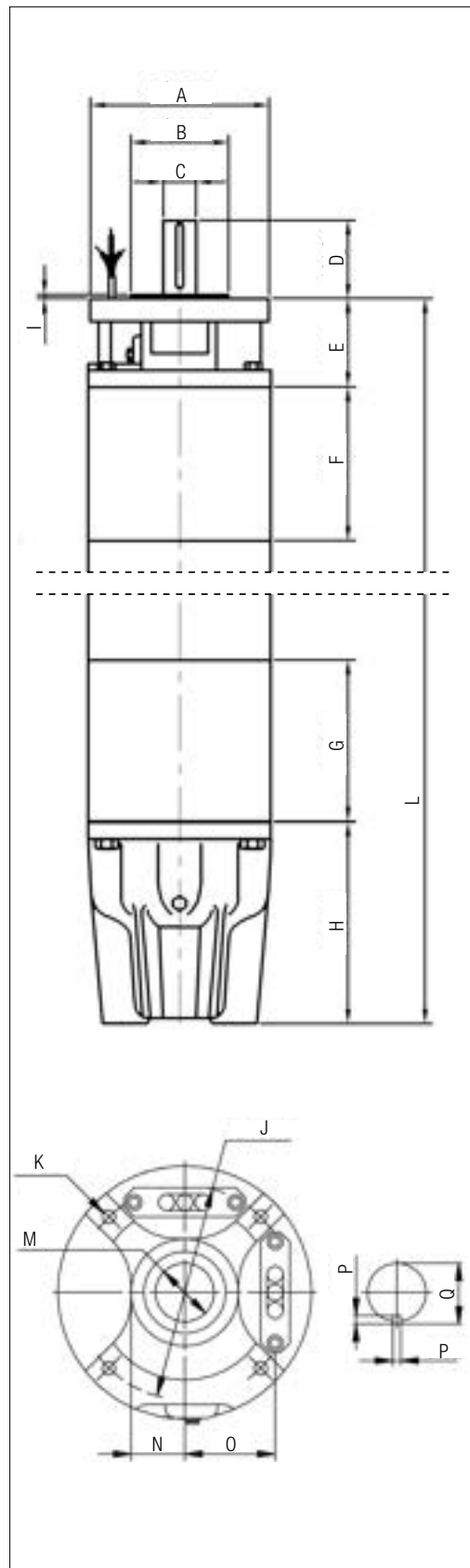
DIMENSIONS AND WEIGHTS - THREE PHASE MOTORS - 4 POLES

MODEL	L LENGTH inch	L LENGTH mm	WEIGHT lbs	WEIGHT kg	AXIAL THRUST lbf	AXIAL THRUST N
TR 10 100 - 75KW	74	1870	959	435	13500	60000

POS.	inch	mm	POS.	inch	mm	POS.	inch	mm
A	9.134	Ø 232	G	8.268	210	N	3.071	78
B	5"	Ø 127	H	10.315	262	O	3.740	95
C	1.687	Ø 42.86	I	0.197	5	P	0.375	9.52
D	4"	101.6	J	7 ½"	Ø 190.5	Q	1.874	47.6
E	4.528	115	K	4 x 0.827"	4 x Ø 21			
F	7.874	200	M	1.693	Ø 43			

ON REQUEST

- CABLES WITH DIFFERENT LENGTH
- DIFFERENT SUPPLY VOLTAGES
- PT100 TEMPERATURE SENSOR
- PTC TEMPERATURE SENSOR
- SPECIAL TERMINAL SHAFT
- DEGREE OF PROTECTION IP 68



TR 12

SUBMERSIBLE MOTOR 12"



12" Asynchronous two-poles or four-poles submersible motor, rewindable type, with external shell made in AISI 316 stainless steel and supports in cast iron with paint coating (standard version).

Cooling and lubrication of the thrust bearing assembly and carbon bushes is provided by a mixture of water and glycol. Squirrel-cage rotor mounted on Mitchell self-centring thrust bearing.

The motor is available also in full stainless steel **AISI 316** version and **AISI 904** version.

On request it's available also a version suitable for use with variable frequency drive (30 Hz-50/60 Hz). The motor is equipped with 8 meters single-core cables directly connected with the windings and it's available with DOL or STAR-DELTA starting type. The cables are certified ACS and WRAS and KTW. Overload protection must be provided by user.

On request PT100 and PTC temperature sensors are available.

Flange 12"

Degree of protection IP58 - (IP68) optional

Cooling flow 1.64 ft/sec (0.5 m/s)

Voltage tolerance + 6% / -10%

Max starts 5/h

Max operating depth 984 ft (300 m)

Max operating pressure 870 psi (60 bar)

Horizontal operation 200 HP - 260 HP



ACCESSORIES
PAGE 147

TECHNICAL DATA - THREE PHASE MOTORS - 4 POLES

DOL**

MODEL	STANDARD	V * [V]	P2		SF	In (SF) [A]	Is/In	P1 [W]	N [min ⁻¹]	Cos ϕ	η %	CABLE		
	CODE		[HP]	[kW]								Dia		Length
												AWG	ft	m
TR 12 200 - 147KW	60162390	575	200	147	1.15	221	5.9	191314	1750	0.87	87	3x00+1x0	26	8

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

* Available on request Voltage up to 1000 V.

** Available on request STAR/DELTA version.

TR 12

SUBMERSIBLE MOTOR 12"

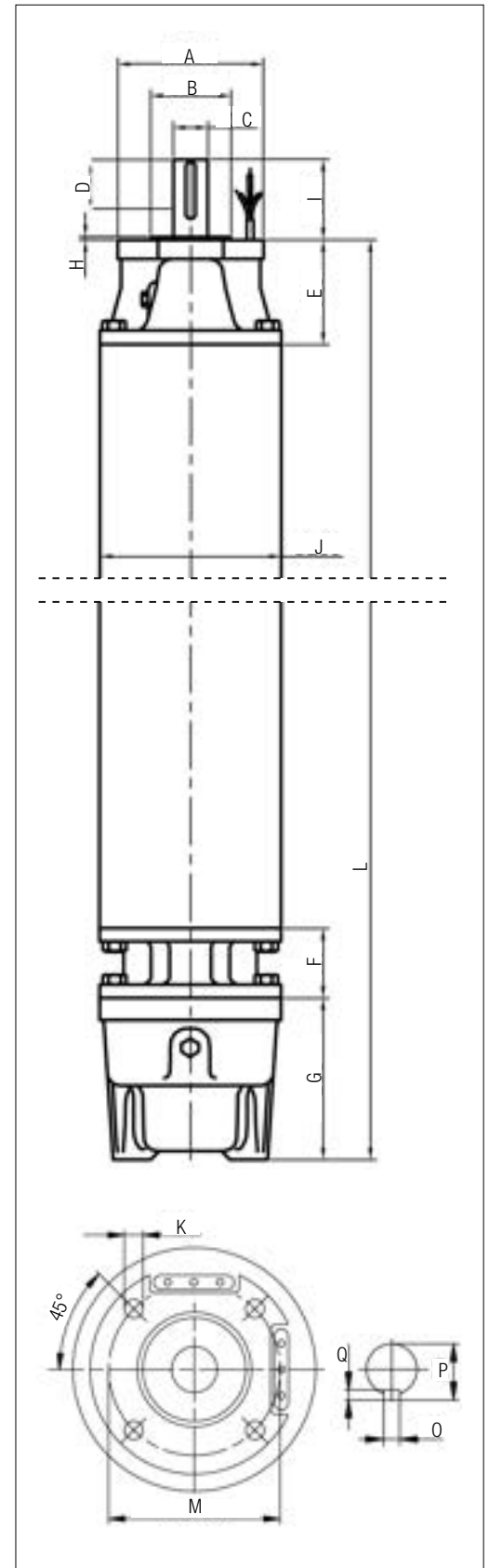
DIMENSIONS AND WEIGHTS - THREE PHASE MOTORS - 4 POLES

MODEL	L LENGTH inch	L LENGTH mm	WEIGHT lbs	WEIGHT kg	AXIAL THRUST lbf	AXIAL THRUST N
TR 12 200 - 147KW	87	2210	1653	750	16000	70000

POS.	inch	mm	POS.	inch	mm	POS.	inch	mm
A	9.055	Ø 230	G	10.039	255	O	5/8"	16
B	5 "	Ø 127	H	0.197	5	P	2.323	59
C	2.165	Ø 55	I	5 "	127	Q	0.394	10
D	3.543	90	J	11.260	286			
E	6 ½"	165	K	0.827	Ø 21			
F	4.331	110	M	7 ½"	190.5			

ON REQUEST

- CABLES WITH DIFFERENT LENGTH
- DIFFERENT SUPPLY VOLTAGES
- PT100 TEMPERATURE SENSOR
- PTC TEMPERATURE SENSOR
- SPECIAL TERMINAL SHAFT



TR 14

SUBMERSIBLE MOTOR 14"



14" Asynchronous two-poles or four-poles submersible motor, rewindable type, with external shell made in AISI 316 stainless steel and supports in cast iron with paint coating (standard version).

Cooling and lubrication of the thrust bearing assembly and carbon bushes is provided by a mixture of water and glycol. Squirrel-cage rotor mounted on Mitchell self-centring thrust bearing. The motor is available also in full stainless steel AISI 316.

On request it's available also a version suitable for use with variable frequency drive (30 Hz-50/60 Hz). The motor is equipped with 8 meters single-core cables directly connected with the windings and it's available with DOL or STAR-DELTA starting type. The cables are certified ACS and WRAS and KTW. Overload protection must be provided by user.

On request PT100 and PTC temperature sensors are available.

Flange 14"

Degree of protection IP58 - (IP68) optional

Cooling flow 1.64 ft/sec (0.5 m/s)

Voltage tolerance + 6% / -10%

Max starts PVC: 3/h - PE2+PA: 5/H

Max operating depth 984 ft (300 m)

Max operating pressure 870 psi (60 bar)

Horizontal operation 300 HP - 340 HP



ACCESSORIES
PAGE 147

TECHNICAL DATA - THREE PHASE MOTORS - 4 POLES

S/D**

MODEL	STANDARD	V* [V]	P2		SF	In (SF) [A]	Is/In	P1 [W]	N [min ⁻¹]	Cos φ	η %	CABLE		
	CODE		[hp]	[kW]								Dia		Length
												AWG	ft	m
TR 14 200 - 147KW	60176582	230	200	147	1,0	54	5,5	171000	1745	0,8	86	3x7 + 1x7	26	8

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

* Available on request Voltage up to 1000 V.

** Available on request STAR/DELTA version.

TR 14

SUBMERSIBLE MOTOR 14"

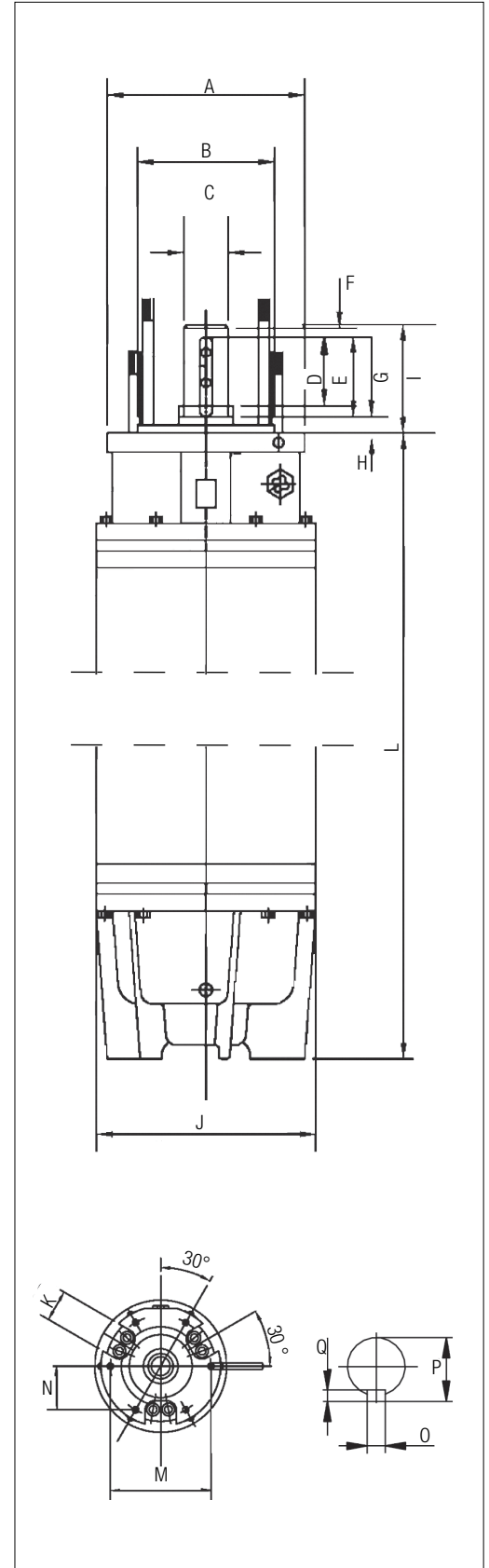
DIMENSIONS AND WEIGHTS - THREE PHASE MOTORS - 4 POLES

MODEL	L LENGTH inch	L LENGTH mm	WEIGHT lbs	WEIGHT kg	AXIAL THRUST lbf	AXIAL THRUST N
TR 14 200 - 147KW	75	1910	1740	790	16000	70000

POS.	inch	mm	POS.	inch	mm	POS.	inch	mm
A	11.417	Ø 290	G	0.276	7	N	4.921	125
B	7.874	Ø 200	H	0.866	22	O	5/8 "	16
C	2.165	Ø 55	I	5 "	127	P	2.323	59
D	3.799	96.5	J	13.307	338	Q	0.394	10
E	3.937	100	K	3.228	82			
F	0.157	4	M	10.039	255			

ON REQUEST

- CABLES WITH DIFFERENT LENGTH
- DIFFERENT SUPPLY VOLTAGES
- PT100 TEMPERATURE SENSOR
- PTC TEMPERATURE SENSOR
- SPECIAL TERMINAL SHAFT



ACCESSORIES

SUBMERSIBLE PUMPS AND MOTORS

ACCESSORIES

SUBMERSIBLE PUMPS AND MOTORS

CONTROL BOX - NA 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 / 4GX ACCESSORIES	DESCRIPTION	CODE	4GG	4GX
 	CONTROL BOX 4CBUS 1.5HP 230V 60HZ BASIC TESLA	60174733	•	•
	CONTROL BOX 4CBUS 2HP 230V 60HZ BASIC TESLA	60174734	•	•
	CONTROL BOX 4CBUS 3HP 230V 60HZ BASIC TESLA	60174735	•	•
	CONTROL BOX 4CBUS 5HP 230V 60HZ BASIC TESLA	60174736	•	•
	CONTROL BOX 4CBUS 1.5HP 230V 60HZ PLUS TESLA	60174737	•	•
	CONTROL BOX 4CBUS 2HP 230V 60HZ PLUS TESLA	60174738	•	•
	CONTROL BOX 4CBUS 3HP 230V 60HZ PLUS TESLA	60174739	•	•
	CONTROL BOX 4CBUS 5HP 230V 60HZ PLUS TESLA	60184859	•	•

TECHNICAL DATA - FOR MOTORS 4GG - 4GX

MODEL	CODE	P2		V [V]	C1 [μF]	C1 [V]	C2 [μF]	C2 [V]
		[hp]	[kW]					
CONTROL BOX 4CBUS 1.5HP 230V	60174733	1.5	1.1	230	10	370	105-126	250
CONTROL BOX 4CBUS 2HP 230V	60174734	2	1.5	230	20	370	105-126	250
CONTROL BOX 4CBUS 3HP 230V	60174735	3	2.2	230	45	370	208-250	250
CONTROL BOX 4CBUS 5HP 230V	60174736	5	3.0	230	2x40	370	270-324	250
CONTROL BOX 4CBUS 1.5HP 230V	60174737	1.5	1.1	230	10	370	105-126	250
CONTROL BOX 4CBUS 2HP 230V	60174738	2	1.5	230	20	370	105-126	250
CONTROL BOX 4CBUS 3HP 230V	60174739	3	2.2	230	45	370	208-250	250
CONTROL BOX 4CBUS 5HP 230V	60184859	5	3.0	230	2x40	370	270-324	250

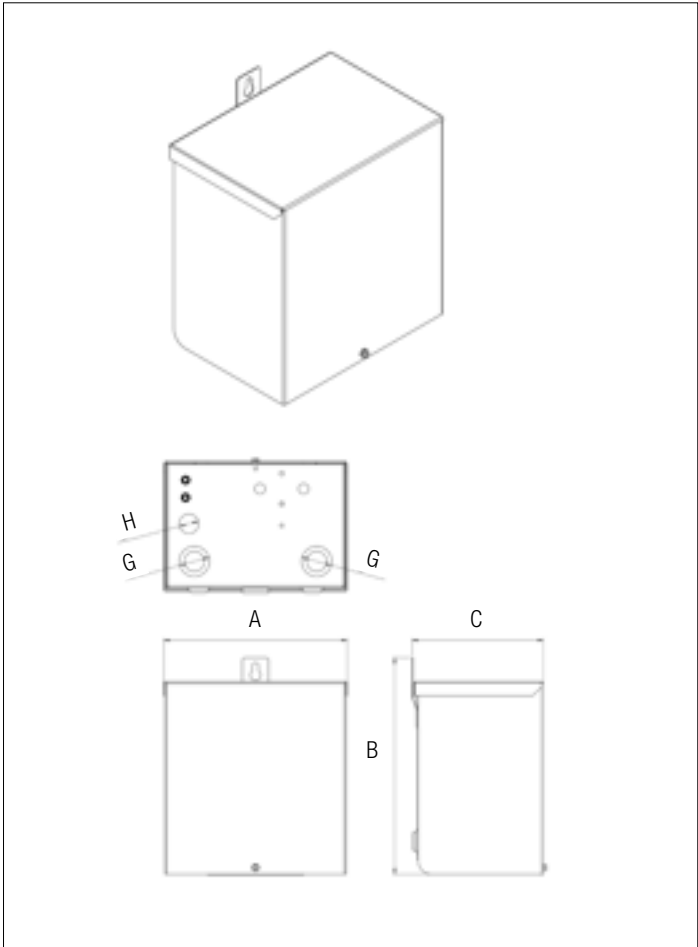
ACCESSORIES

SUBMERSIBLE PUMPS AND MOTORS

DIMENSIONS AND WEIGHTS

MODEL	A x B x C [inch]	A x B x C mm	WEIGHT lbs	WEIGHT kg
CONTROL BOX 4CBUS 1.5HP 230V	8.3" x 9.8" x 5.9"	211 x 249 x 150	5.6	2.5
CONTROL BOX 4CBUS 2HP 230V	8.3" x 9.8" x 5.9"	211 x 249 x 150	5.8	2.6
CONTROL BOX 4CBUS 3HP 230V	8.3" x 9.8" x 5.9"	211 x 249 x 150	5.8	2.6
CONTROL BOX 4CBUS 5HP 230V	8.3" x 9.8" x 5.9"	211 x 249 x 150	5.8	2.6
CONTROL BOX 4CBUS 1.5HP 230V	8.3" x 9.8" x 5.9"	211 x 249 x 150	5.8	2.6
CONTROL BOX 4CBUS 2HP 230V	8.3" x 9.8" x 5.9"	211 x 249 x 150	5.9	2.7
CONTROL BOX 4CBUS 3HP 230V	8.3" x 9.8" x 5.9"	211 x 249 x 150	6.0	2.7
CONTROL BOX 4CBUS 5HP 230V	8.3" x 9.8" x 5.9"	211 x 249 x 150	6.0	2.7

POS.	INCH	mm	POS.	INCH
A	8.3"	211	G	1" Conduit
B	9.8"	249	H	1/2" Conduit
C	5.9"	150		



ACCESSORIES

SUBMERSIBLE PUMPS AND MOTORS

CONTROL BOX - NA VERSION

- Version with metal casing.
- Version with auxiliary contacts for control by probes, pressure switch and or float switch.

4GG / 4GX ACCESSORIES	DESCRIPTION	CODE	4GG	4GX
 	CONTROL BOX 4CBUS 0.5HP 115V 60HZ BASIC TESLA	60174729	•	•
	CONTROL BOX 4CBUS 0.5HP 230V 60HZ BASIC TESLA	60174730	•	•
	CONTROL BOX 4CBUS 0.75HP 230V 60HZ BASIC TESLA	60174731	•	•
	CONTROL BOX 4CBUS 1HP 230V 60HZ BASIC TESLA	60174732	•	•

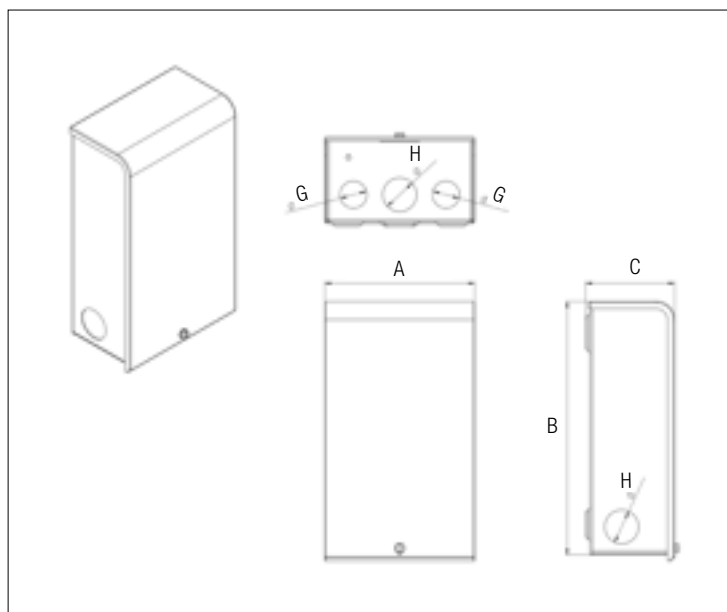
TECHNICAL DATA - FOR MOTORS 4GG - 4GX

MODEL	CODE	P2		V [V]	C [μF]	C [V]
		[HP]	[kW]			
CONTROL BOX 4CBUS 0.5HP 115V	60174729	0.5	0.37	115	250-300	125
CONTROL BOX 4CBUS 0.5HP 230V	60174730	0.5	0.37	230	59-71	250
CONTROL BOX 4CBUS 0.75HP 230V	60174731	0.75	0.55	230	86-103	250
CONTROL BOX 4CBUS 1HP 230V	60174732	1	0.75	230	105-126	250

DIMENSIONS AND WEIGHTS

MODEL	A x B x C [inch]	A x B x C mm	WEIGHT lbs	WEIGHT kg
CONTROL BOX 4CBUS 0.5HP 115V	4.9" x 8.2" x 2.9"	124 x 208 x 74	2.8	1.3
CONTROL BOX 4CBUS 0.5HP 230V	4.9" x 8.2" x 2.9"	124 x 208 x 74	2.4	1.1
CONTROL BOX 4CBUS 0.75HP 230V	4.9" x 8.2" x 2.9"	124 x 208 x 74	2.4	1.1
CONTROL BOX 4CBUS 1HP 230V	4.9" x 8.2" x 2.9"	124 x 208 x 74	2.6	1.2

POS.	INCH	mm	POS.	INCH
A	4.9"	124	G	1/2" conduit
B	8.2"	208	H	3/4" conduit
C	2.9"	74		



ACCESSORIES

SUBMERSIBLE PUMPS AND MOTORS

CONTROL BOX - NA VERSION

- Version with metal casing.
- Version with auxiliary contacts for control by probes, pressure switch and or float switch.

6GF / 6GX ACCESSORIES	DESCRIPTION	CODE	6GF	6GX
 	CONTROL BOX 6CBUS 7.5HP 230V 60HZ PLUS TESLA	60184860	•	•
	CONTROL BOX 6CBUS 10HP 230V 60HZ PLUS TESLA	60184861	•	•
	CONTROL BOX 6CBUS 15HP 230V 60HZ PLUS TESLA	60184862	•	•

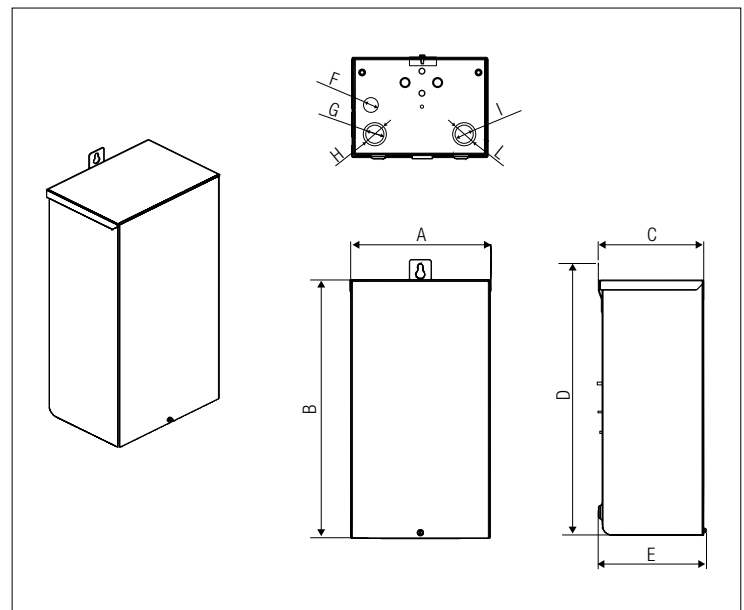
TECHNICAL DATA - FOR MOTORS 6GF - 6GX

MODEL	CODE	P2		V [V]	RUN CAP		START CAPS.	
		[hp]	[kW]		[μF]	[V]	[μF]	[V]
CONTROL BOX 6CBUS 7.5HP 230V	60184860	7.5	5.5	230	45	370	270-324 216-260	330 330
CONTROL BOX 6CBUS 10HP 230V	60184861	10	7.5	230	35 35	370 370	270-324 216-260 130-156	330 330 330
CONTROL BOX 6CBUS 15HP 230V	60184862	15	11	230	45 45 45	370 370 370	270-324 270-324 161-193	330 330 330

DIMENSIONS AND WEIGHTS

MODEL	A x B x C [inch]	A x B x C mm	WEIGHT lbs	WEIGHT kg
CONTROL BOX 6CBUS 7.5HP 230V	8.25 x 15.39 x 6.42	210 x 391 x 163	12.00	5.4
CONTROL BOX 6CBUS 10HP 230V	8.25 x 15.39 x 6.42	210 x 391 x 163	13.55	6.1
CONTROL BOX 6CBUS 15HP 230V	8.25 x 15.39 x 6.42	210 x 391 x 163	15.65	7.1

POS.	INCH	mm	POS.	INCH	mm
A	8.25	210	F	1/2	12.7
B	15.39	391	G	3/4	19.05
C	6.42	163	H	1	25.4
D	16.54	420	I	1	25.4
E	6.56	167	L	1-1/4	31.75



ACCESSORIES

SUBMERSIBLE PUMPS AND MOTORS

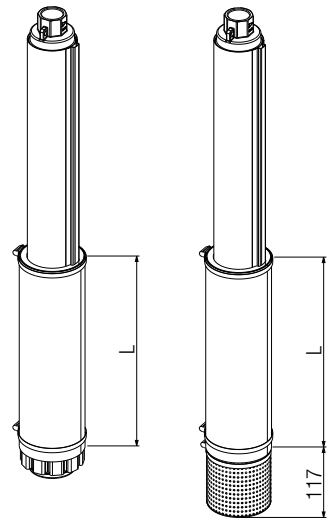
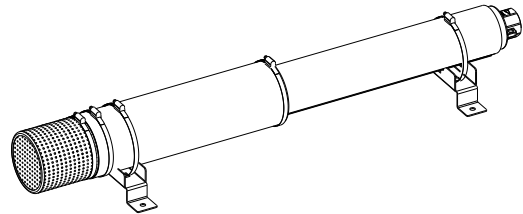
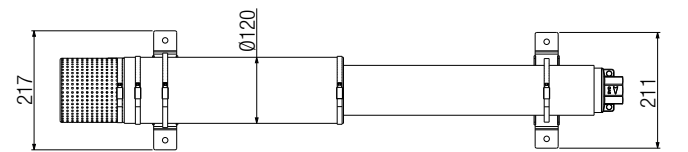
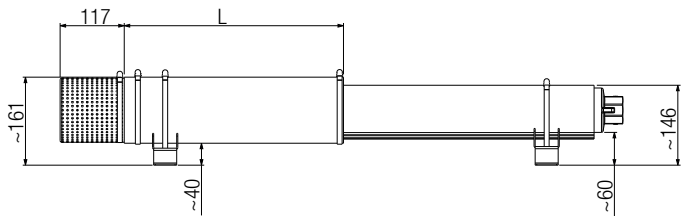
COOLING LINERS FOR 4" SUBMERSIBLE PUMP

Kit of cooling liners of different lengths, used to ensure perfect cooling of the 4" motor in case of installation inside tanks or containers, or in any location where a minimum cooling flow on the motor cannot be guaranteed.
The length of the pipe must be selected based on the type of motor and its power, as indicated in the following table.

	MOTOR POWER		FREQUENCY	MOTOR TYPE		
	HP	KW		4 GG	4 OL	4 GG 2W
SINGLE-PHASE	0,5	0,37	60	KIT 400	KIT 400	KIT 525
	0,75	0,55				
	1	0,75				
	1,5	1,1		KIT 525	KIT 525	KIT 885
	2	1,5				
	3	2,2		KIT 885	KIT 885	
	5	3,7				
	5,5	4				

THREE-PHASE	0,5	0,37	60	KIT 400	KIT 400
	0,75	0,55			
	1	0,75			
	1,5	1,1		KIT 525	KIT 525
	2	1,5			
	3	2,2			
	4	3		KIT 885	KIT 885
	5,5	4			
	7,5	5,5			
	10	7,5			

TESLA/DAB motor data



	CODE	DESCRIPTION
	60125178	COOLING SLEEVE KIT L400
	60125179	COOLING SLEEVE KIT L525
	60125180	COOLING SLEEVE KIT L885
	60125181	HORIZONTAL POSITIONING KIT (2 PIECES)
	60125182	COOLING FILTER KIT

ACCESSORIES

SUBMERSIBLE PUMPS AND MOTORS

COOLING LINERS FOR 6" SUBMERSIBLE PUMP

Kit of cooling liners of different lengths, used to ensure perfect cooling of the 6" motor in case of installation inside tanks or containers, or in any location where a minimum cooling flow on the motor cannot be guaranteed.

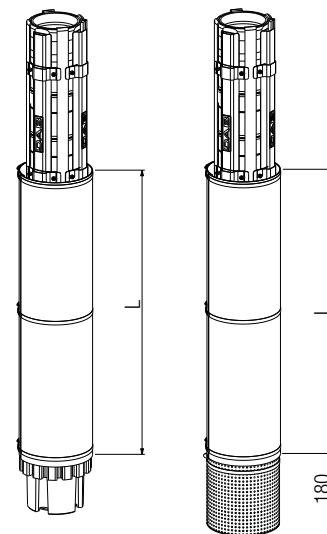
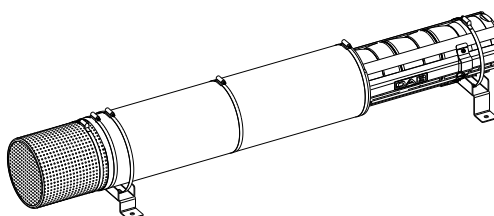
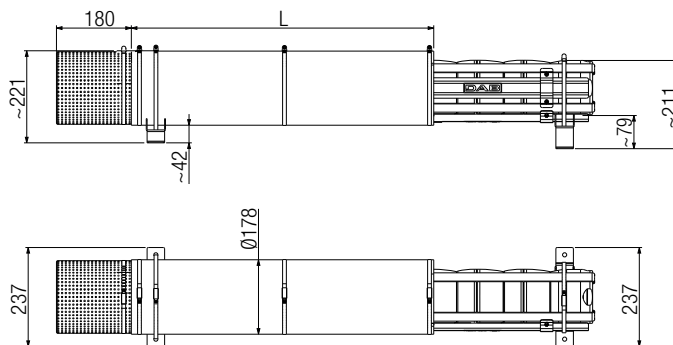
The length of the pipe must be selected based on the type of motor and its power, as indicated in the following table.

SUITABLE FOR USE ON S6, SR6 E SM6 ELECTRIC PUMPS COUPLED WITH 6" MOTOR

	MOTOR POWER		FREQUENCY	MOTOR TYPE		
	HP	KW		6GF - GX	TR6	6GF HEAVY DUTY
SINGLE-PHASE	5	3,7	50-60	KIT L960		
	7,5	5,5				
	10	7,5				
	15	11				
THREE-PHASE	5,5	4		KIT 725	KIT 960	
	7,5	5,5				
	10	7,5		KIT 960	KIT 960	
	12,5	9,2				
	15	11				
	17,5	13				
	20	15		KIT 960	KIT 1220	
	25	18,5				
	30	22		KIT 1220	KIT 1220	
	35	26				
	40	30		KIT 1490	KIT 1490	
	50	37				
	60	57				

	MOTOR POWER		FREQUENCY	4GG+SS6 MOTOR
	HP	KW		
SINGLE-PHASE	0,5	0,37	50-60	KIT 725
	0,75	0,55		
	1	0,75		
	1,5	1,1		
	2	1,5		
	3	2,2		
	4	3		
	5	3,7		
THREE-PHASE	5,5	4		KIT 960
	0,5	0,37		
	0,75	0,55		KIT 725
	1	0,75		
	1,5	1,1		
	2	1,5		
	3	2,2		
	4	3		
	5,5	4		KIT 960
	7,5	5,5		
	10	7,5		KIT 1220

TESLA/DAB motor data



	CODE	DESCRIPTION
	60144213	COOLING SLEEVE KIT L. 725
	60144217	COOLING SLEEVE KIT L. 960
	60144218	COOLING SLEEVE KIT L. 1.220
	60146397	COOLING SLEEVE KIT L. 1.490
	60146398	HORIZONTAL POSITIONING KIT (2 PIECES)
	60146399	FILTER KIT

In order to determine the cooling flow speed v [m/s] along the motor liner, the following formula can be used:

$$v = \frac{\frac{Q}{2}}{\pi \cdot \left(\frac{D^2}{4} - \frac{d^2}{4} \right)}$$

Q [m³/s] = flow at the point of operation of the electric pump
 V [m/s] = cooling flow speed

On the other hand, in order to determine the correct diameter of the cooling liner, to ensure that the minimum required cooling flow condition is met at a certain pump flow level, the following formula can be used:

$$D = \sqrt{4 \cdot \left(\frac{Q}{v \cdot \pi} + \frac{d^2}{4} \right)}$$

D [m] = well diameter
 d [m] = motor diameter



EVOSTA 2 - EVOSTA 2D - EVOSTA 2 55 SAN
WET ROTOR ELECTRONIC CIRCULATORS

PAGE 156

EVOSTA 2

ELECTRONIC CIRCULATORS FOR DOMESTIC HEATING SYSTEMS - SINGLE, WITH UNIONS



EVOSTA 2



Evosta 2 by DAB is a wet rotor electronic circulator designed for the recirculation of water in domestic and residential heating and air conditioning systems.

Evosta 2 has a permanent magnet synchronous motor and inverter electronics that automatically adapt performance to system requirements, ensuring energy savings and protection from hammering effects.

With its compact size and all-round performance, it's the perfect replacement of old three-speed circulators. It combines the strength of the mechanical circulator with the benefits of the electronic one. Its configuration is very simple: a sequential button can be used to scroll through the nine operating modes, three with proportional pressure, three with constant pressure and three with constant speed. All the models have a breather plug and allow manual release of the motor shaft. Threaded suction and delivery ports. Technopolymer impeller. Cataphoretic paint coated cast iron body, stainless steel motor casing. Water resistant electronics with IPX5 protection class.

Operating range

0.8 - 15.1 gpm (0.2 - 3.4 m³/h) with head up to 18 ft (5 m)

Pumped liquid temperature range

from +14°F to +230°F (-10°C to +110°C)

Working pressure

145 psi (10 bar)

Protection class:

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

Insulation class

F

Installation

with horizontal motor axis

Standard power input

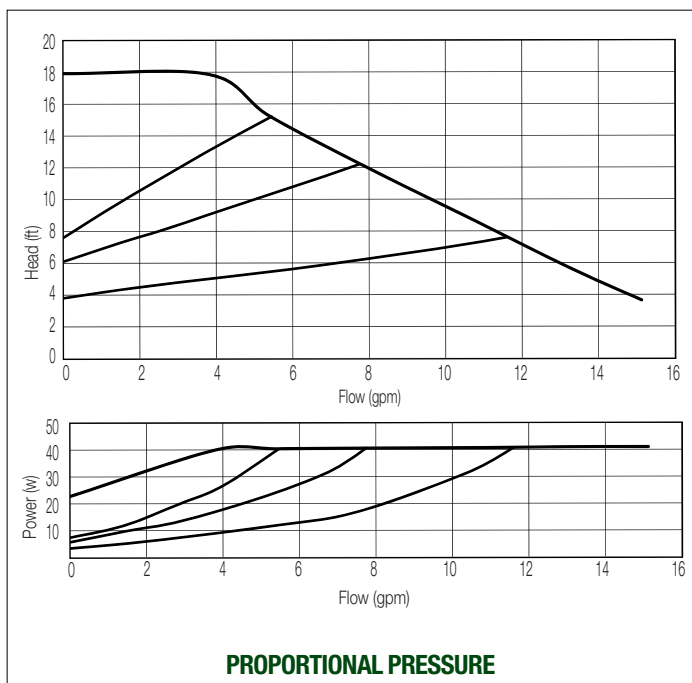
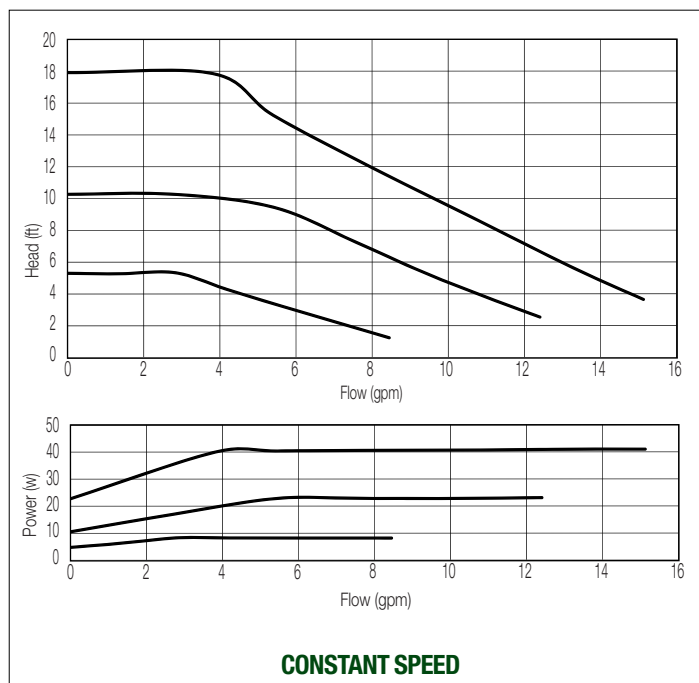
single-phase 1 x 110-127 V~ 60 Hz

Pumped liquid clean, free of solids and mineral oils, non-viscous, chemically neutral, with properties similar to water (glycol max 50%)

Pump body Pump body in cast iron with cataphoresis treatment EVOSTA2 SAN version with Stainless Steel

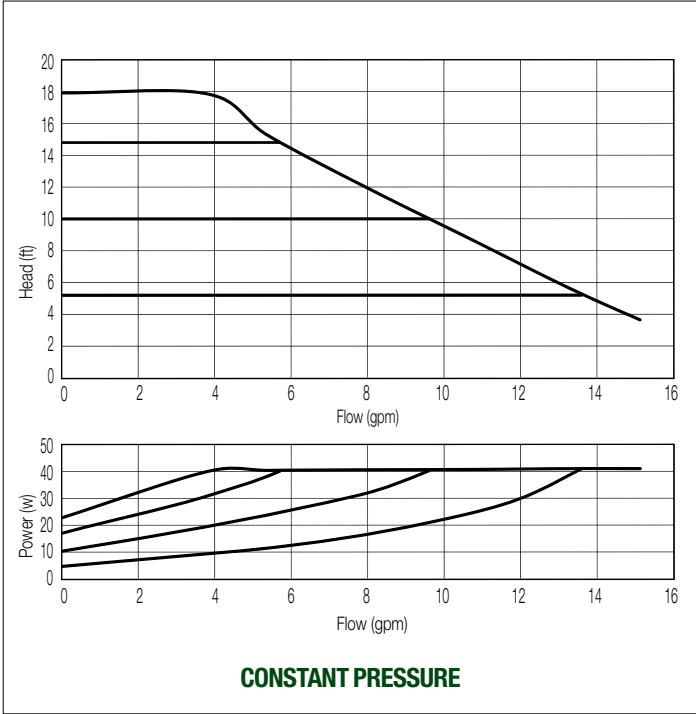
TECHNICAL DATA

MODEL	CODE	CENTRE DISTANCE	FLANGE	POWER INPUT 60 Hz	P1 MAX W	In A	EEI	MINIMUM SUCTION PRESSURE		
								t°	194°F	90°C
EVOSTA 2 55 110-127V 60HZ	60192406	6 3/8" (162 mm)	OVAL 2 BOLT	1 x 110-127 V ~	4 41	0.064 0.61	EEI ≤ 0.23	c.w.	32.8 ft	10 m
EVOSTA 2D 55 110-127V 60HZ	60192407	6 3/8" (162 mm)	OVAL 2 BOLT	1 x 110-127 V ~	4 41	0.064 0.61	EEI ≤ 0.23	c.w.	32.8 ft	10 m
EVOSTA 2 55 SAN 110-127V 60HZ	60193156	6 3/8" (162 mm)	OVAL 2 BOLT	1 x 110-127 V ~	4 41	0.064 0.61	EEI ≤ 0.23	c.w.	32.8 ft	10 m

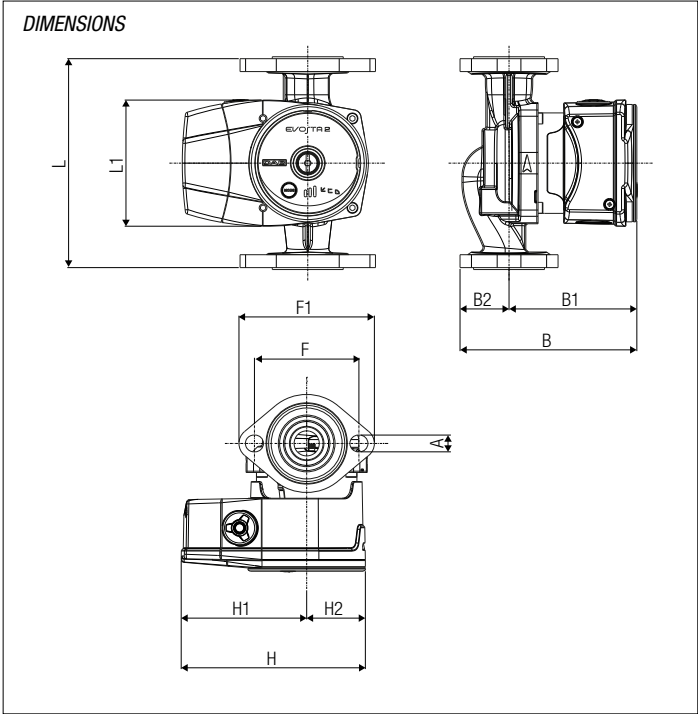


EVOSTA 2

ELECTRONIC CIRCULATORS FOR DOMESTIC HEATING SYSTEMS - SINGLE, WITH UNIONS



Curve tolerance according to ISO 9906.



RANGE PERFORMANCE

MODEL	HYDRAULIC DATA									
	Q=GPM	0	2	4	6	8	10	12	14	15.12
	Q=m³/h	0	0.5	0.9	1.4	1.8	2.3	2.7	3.2	3.4
EVOSTA 2 RANGE	H (ft)	17.92	17.85	17.81	14.38	11.98	9.42	7.01	4.79	3.34
	H (m)	5.5	5.4	5.4	4.4	3.7	2.9	2.1	1.5	1

DIMENSIONS AND WEIGHTS

MODEL	units	L	L1	B	B1	B2	H	H1	H2	A	F	F1	PACKING DIMENSIONS			VOLUME	WEIGHT
													L	B	H		
EVOSTA 2 RANGE	inch	6 3/8"	5 55/64"	5 25/64"	3 57/64"	1 1/2"	5 5/8"	3 13/16"	1 13/64"	33/64"	3 3/16"	4 9/64"	5 23/64"	7 1/4"	6 17/32"	0.1467 ft³	5.37 lbs
	mm	162	150	137	99	38	143	97	30.5	13	81	105	136	184	166	0.0042 m³	2.4 kg

NOTES

NOTES



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