



product  
design award

2013



# e.syline

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## WATER PUMPS HAVE EVOLVED



**DAB**<sup>®</sup>  
WATER • TECHNOLOGY

# e.sylINE

2 MODELS.. 1 COMPLETE LINE

house

apartment  
or small residence

NEW



120€

SAVINGS A YEAR\*  
ON ELECTRICITY BILLS

Up to 3 floors, 2 bathrooms and 50m<sup>2</sup> of garden

e.sybox mini<sup>3</sup>



e.sylINE, complete line of electronic booster pump solutions that redefines the rules of residential water pressurization. With two models, e.sybox are a series of fully integrated pump systems and accessories. Designed to create a modular and flexible solution that meets a wide range of applications: from a small residence to a large complex of apartments.



**250€**  
SAVINGS A YEAR\*  
ON ELECTRICITY BILLS

Up to 6 floors - Max 9 apartments

**E.SYBOX**



**VISIT THE WEBSITE**  
ESYLINE.DABPUMPS.COM

📍 **small apartment complex**

📍 **large apartment complex**



**1000€**  
SAVINGS A YEAR\*  
ON ELECTRICITY BILLS

Up to 9 floors - Max 17 apartments

**E.SYTWIN**

\*compared to a traditional booster set in terms of medium usage conditions.



PRESSURISATION



GARDENING AND IRRIGATION



REUSE OF RAINWATER

# e.sybox mini<sup>3</sup>

## ONE OF A KIND



Evidently it has a different appearance than any other booster set and is small and completely integrated. Once you install and use it, you realize that the real difference is in the comfort and performance.

e.sybox mini<sup>3</sup> uses the most advanced DAB technologies to create constant pressure according to the system demands and thus an optimization of energy consumption.

Suitable for use with potable water, in domestic systems and gardening applications.

The new 3-rotor model ensures further noise reduction and energy consumption.

Managing the water pressure in your home has never been so simple and quiet.





DOWNLOAD THE APP,  
FRAME AND DISCOVER  
THE AUGMENTED  
REALITY











 **280 W**

 **2,7 Bar**  
**9 l/min**

### APPLICATIONS



Apartments up to 3 floors, 2 bathrooms and 50m<sup>2</sup> of garden.



### CERTIFICATIONS



### SUITABLE FOR PUMPING WATER FROM:



WELLS DOWN TO 8 M DEEP



RAINWATER COLLECTION TANKS



TANKS



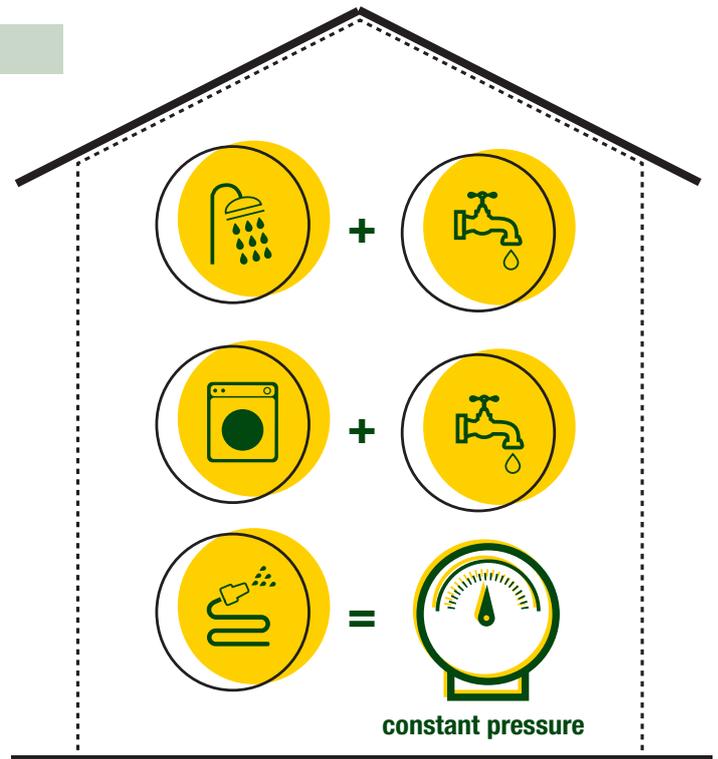
AQUEDUCT  
\* where permitted by law

# OVERVIEW

## CONSTANT PRESSURE

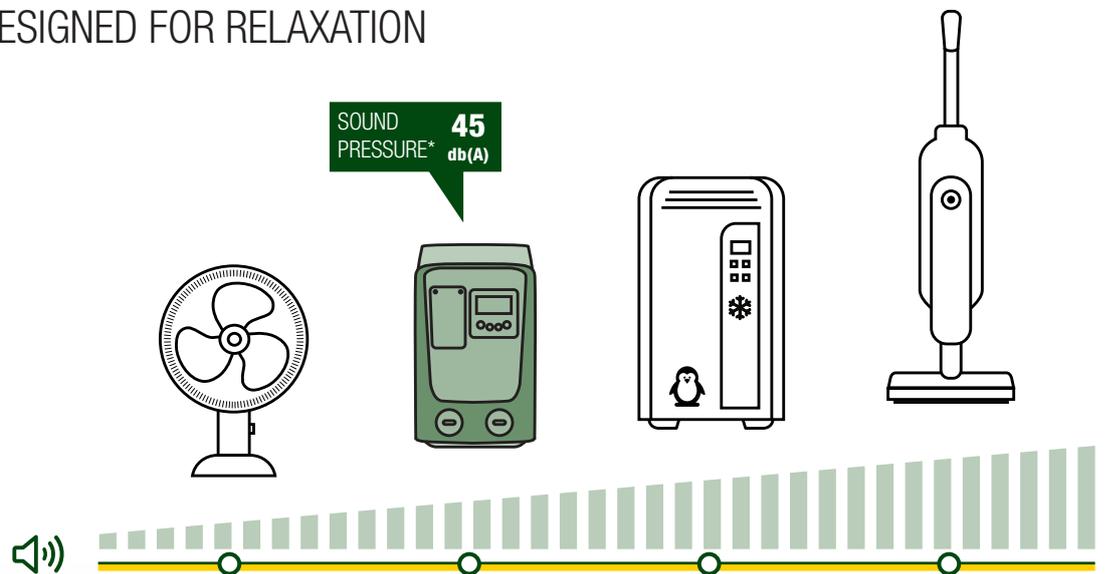
### FOR MAXIMUM COMFORT

Thanks to inverter technology, once you have set the desired pressure, e.sybox mini<sup>3</sup> maintains a constant pressure to all the water outlets served.



## ULTRA LOW NOISE

### DESIGNED FOR RELAXATION



The special water cooled motor, the inverter, the sound absorbing hulls, and the anti-vibration legs make e.sybox mini<sup>3</sup> booster set the second most quietest booster pump on the market after it's big brother e.sybox.



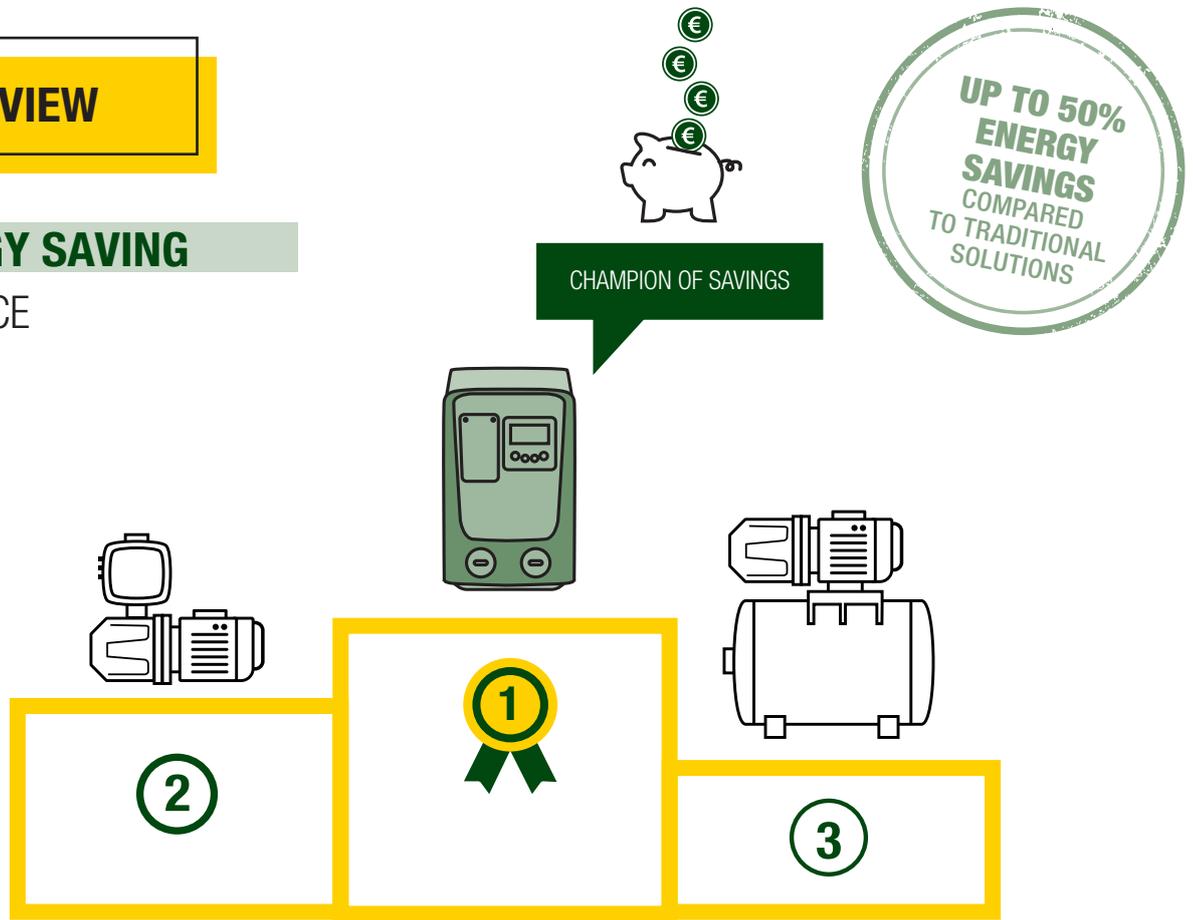
\*sound pressure measured at 1 meter distance in free field

# OVERVIEW

## ENERGY SAVING

### IN FIRST PLACE

Guarantees the comforts and savings of constant pressure (Set Point adjustable from 1 to 5.5 bar) in the system and up to 120 euros a year\* saving on energy bills thanks to the inverter technology.

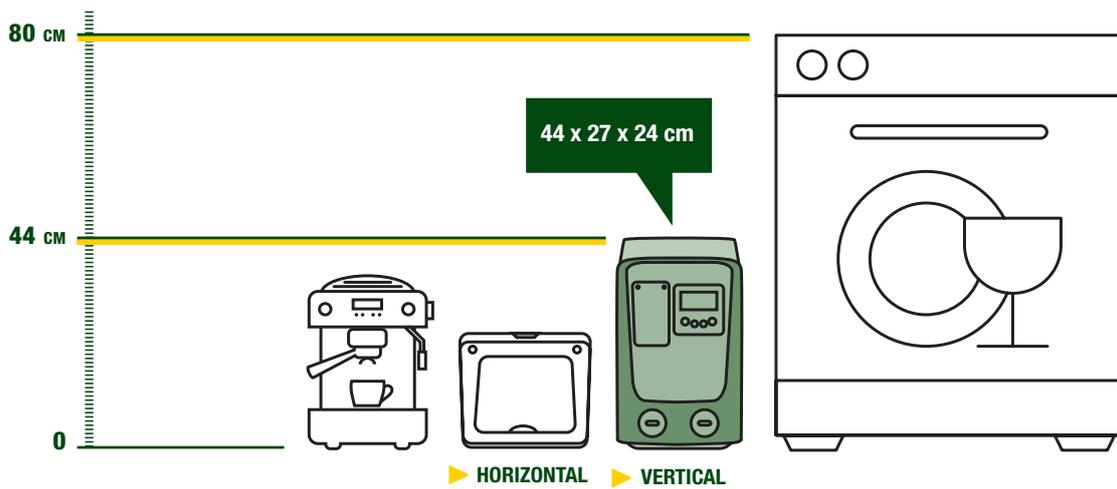


\*compared to a traditional booster set in terms of medium usage conditions.

## MINIMUM FUSS

### MAX COMPACTNESS

The new component architecture and ergonomic design make e.sybox mini<sup>3</sup> so compact that it can be installed in any environment, even under the kitchen sink.



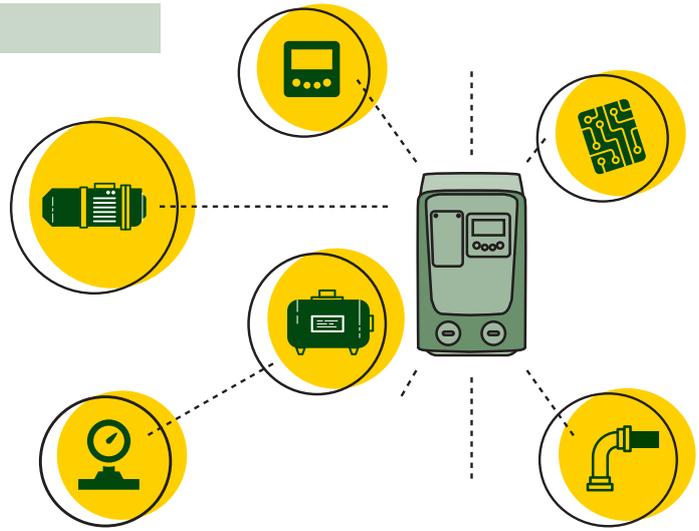
e.sybox mini<sup>3</sup>

# OVERVIEW

## INTERGRATED

### ALL IN 1

Once the suction and delivery pipes are connected, e.sybox mini<sup>3</sup> doesn't require any additional components for its installation and operation.



## DISPLAY

### EASY ADJUSTMENT

LCD 70X40 mm high-resolution screen, adjustable to adapt the readability at various installations. The intuitive interface gives access to all the system information and the main settings depending on the specific application.

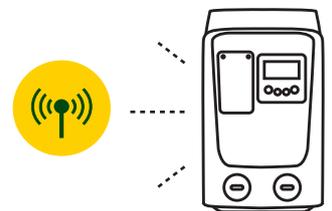


## D+CONNECT *ready*

### WIRELESS

#### ON BOARD

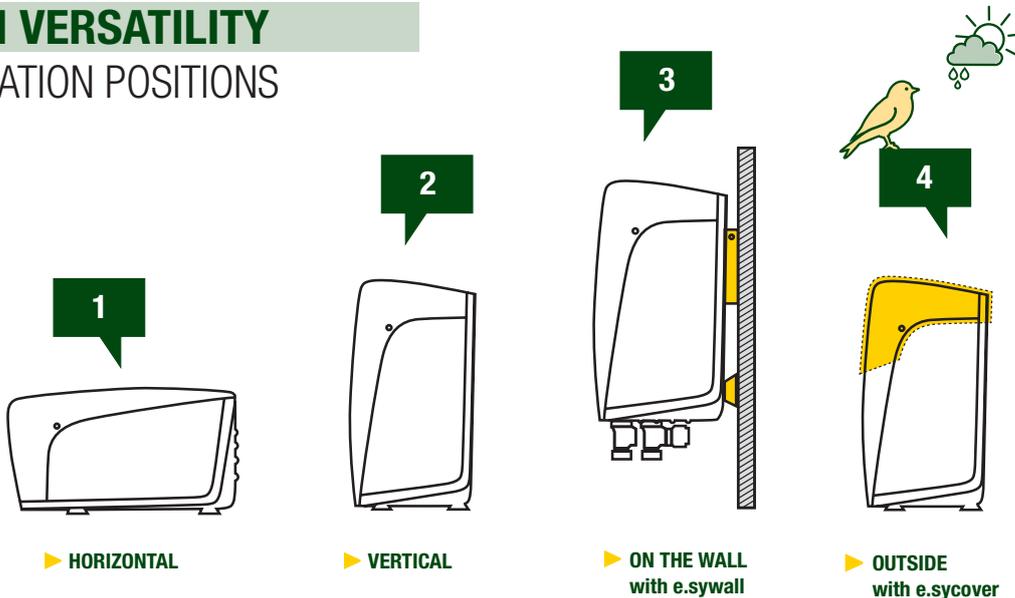
Thanks to the integrated wireless capability, e.sybox mini<sup>3</sup> can be connected to the Internet.



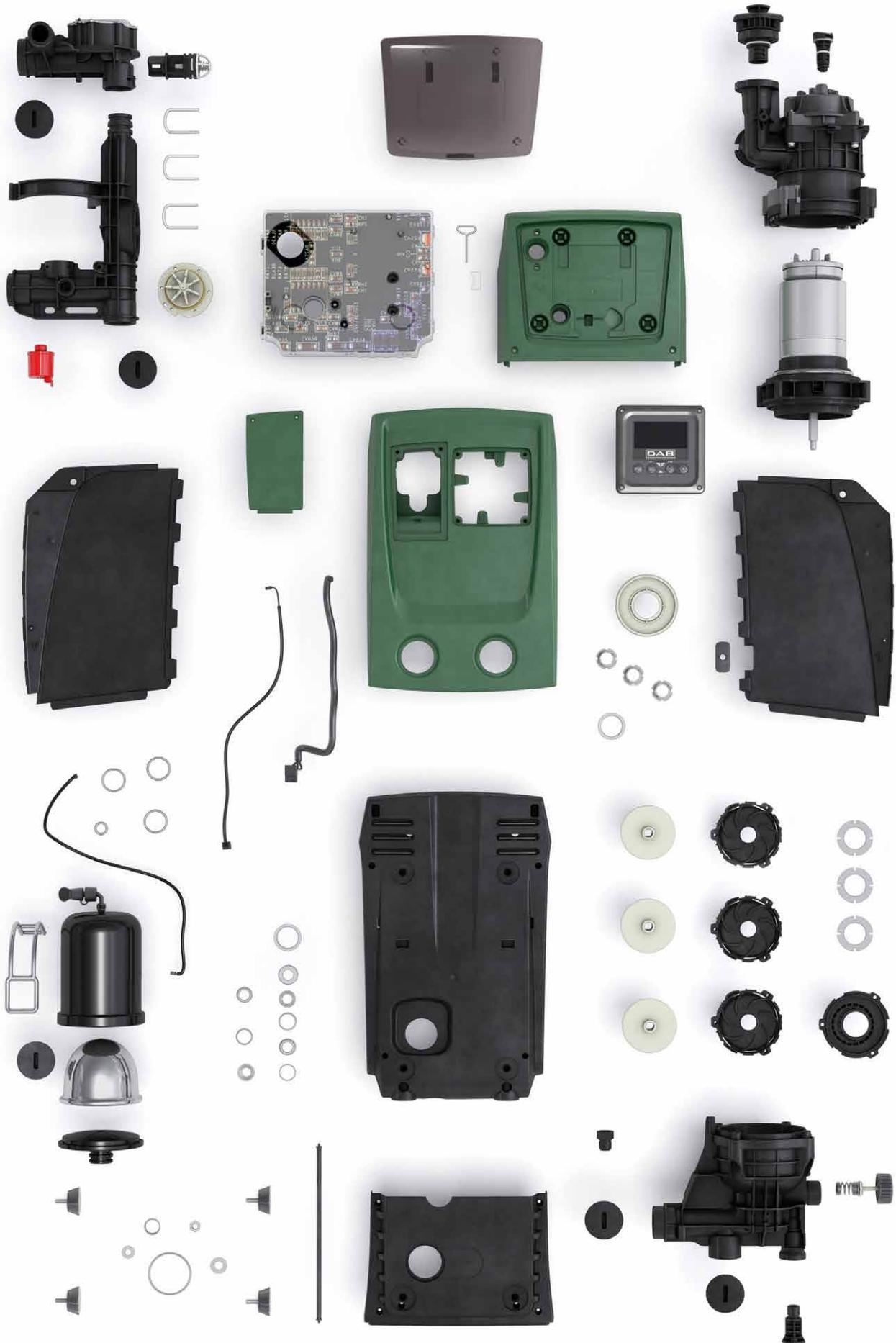
## MAXIMUM VERSATILITY

### 3 INSTALLATION POSITIONS

Horizontal, vertical or wall mounted, e.sybox mini<sup>3</sup> can be installed virtually anywhere inside or outside the home.



# DIMENSIONS ARE IMPORTANT

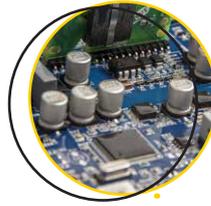


# FEATURES



## MOTOR

Special water cooled motor design eliminates noise generated by the fans traditional cooling.



## INVERTER

Thanks to the inverter technology, e.sybox mini<sup>3</sup> absorbs only the necessary energy required, increasing the sensitive economic savings.



## NON RETURN VALVE ON DELIVERY

Easy to remove for routine maintenance operations.



## CONNECTIONS - FLEXIBILITY OF INSTALLATION

Allows you to choose which system inlets and outlets to use depending on your installation needs.



## TECHNICAL COMPARTMENT

Easy access to the expansion tank air valve adjustment and the non return valve for quick cleaning or maintenance.



## 1 LITRE EXPANSION TANK

Guaranteed for 5 years without any maintenance requirements. Certified for drinking water.



## FLOW AND PRESSURE SENSORS

Electronic pressure transducer and integrated flow sensor.



## ANTI-VIBRATION FEET

Guarantees effective absorption of vibrations helping e.sybox mini<sup>3</sup> to further reduce the operation noise.



WIRELESS



ANTIFREEZE PROTECTION



e.sybox mini<sup>3</sup>

# e.sybox

## THE FIRST OF ITS KIND



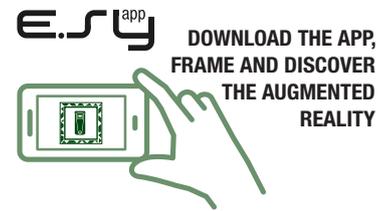
We didn't just limit ourselves on improving what was already there! Instead we were the first to achieve a revolutionary innovation in water pressure boosting. We have developed a patented booster set with high performance and increased efficiency. Compact design that is simple to install, maintain and operate. Maximum satisfaction for the installer and end user.

e.sybox has changed the way in which people use our most important resource, water.

e.sybox is also smart and versatile. You can create multi pump systems by grouping two or up to four pumps together. This has never been so easy, thanks to fast connection station e.sytwin and the integrated wireless connection.



e.sytwin



e.sy<sup>app</sup>  
 DOWNLOAD THE APP,  
 FRAME AND DISCOVER  
 THE AUGMENTED  
 REALITY



### APPLICATIONS



#### e.sybox

Houses and small apartment complexes up to 6 floors and a maximum of 9 apartments.



#### e.sytwin

Small and large apartment complexes up to 9 floors and a maximum of 17 apartments.

### CERTIFICATIONS



### SUITABLE FOR PUMPING WATER FROM:



WELLS DOWN TO 8 M DEEP



RAINWATER COLLECTION TANKS



TANKS



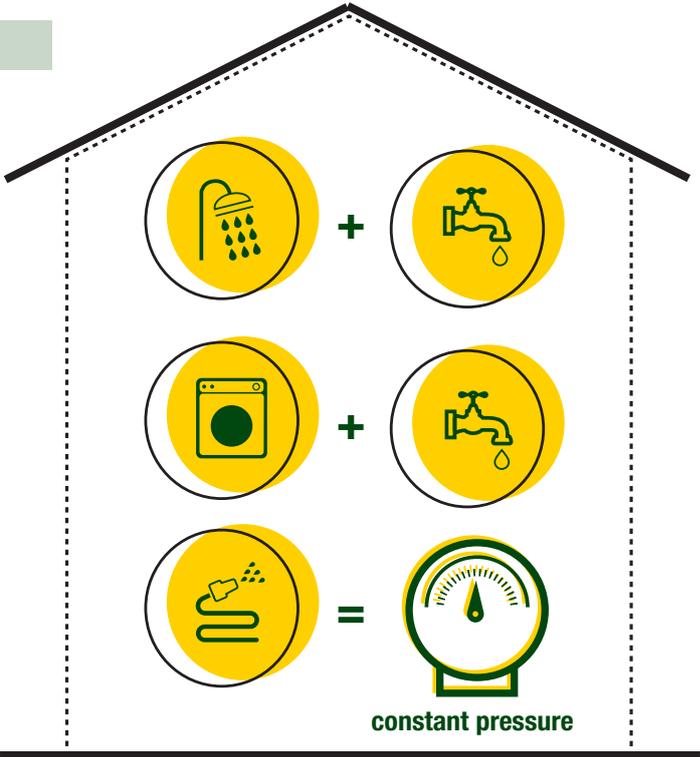
AQUEDUCT  
 \* where permitted by law

# OVERVIEW

## CONSTANT PRESSURE

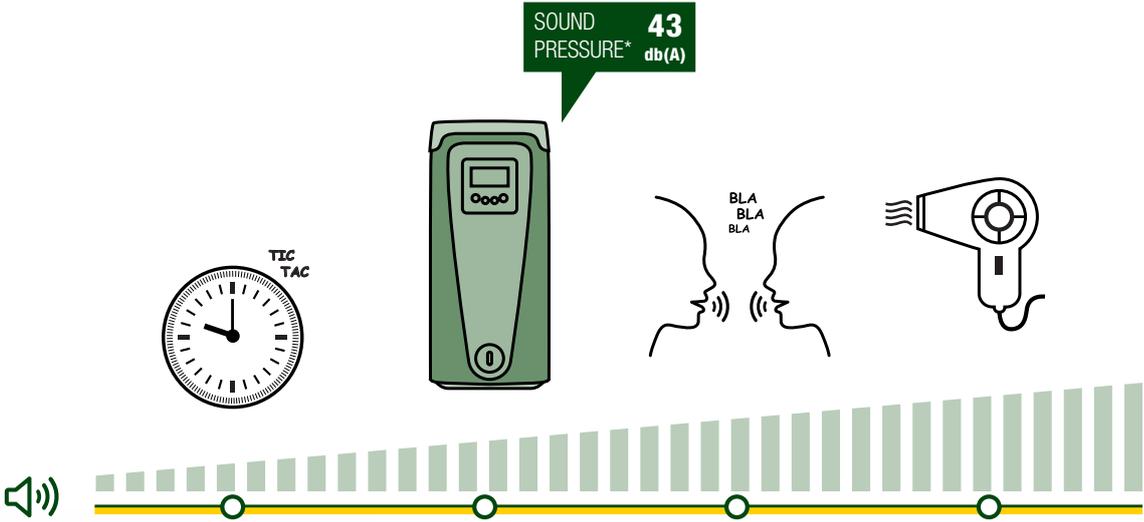
FOR MAXIMUM COMFORT

Thanks to inverter technology, once you have set the desired pressure, e.sybox mini<sup>3</sup> maintains a constant pressure to all the water outlets served.



## EVEN QUIETER

YOU ONLY HEAR THE FLOWING OF WATER



Thanks to the experience gained over the years, we have further optimized e.sybox making it even more quiet and comfortable.

\*sound pressure measured at 1 meter distance in free field

# OVERVIEW

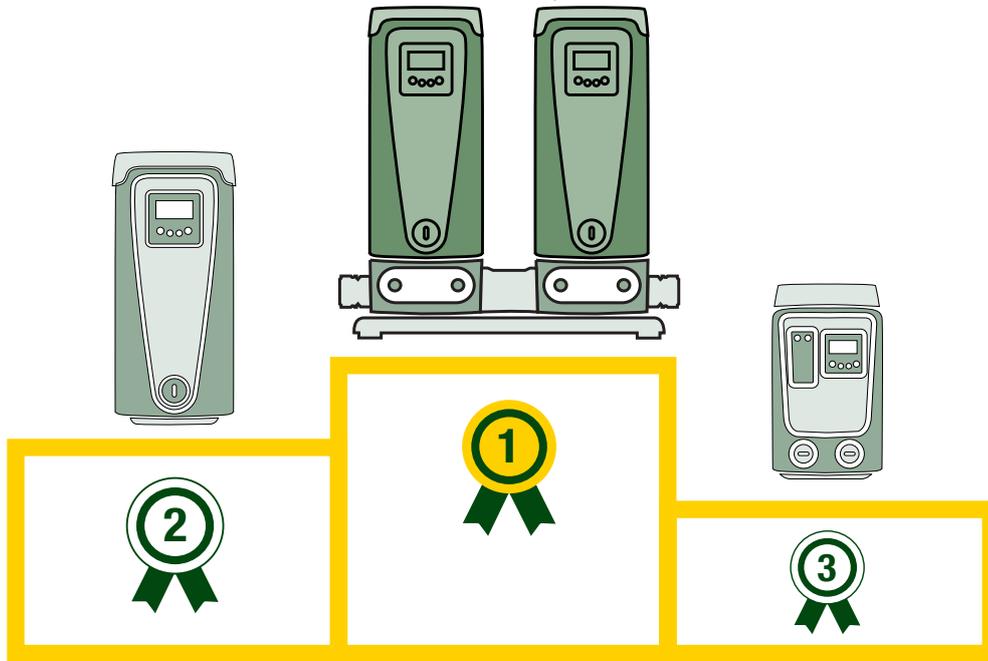
## ENERGY SAVINGS

### OLYMPIC MEDAL LINE

Guarantees the comforts and savings of constant pressure (Set Point adjustable from 1 to 5.5 bar) in the system and up to 250 euros a year\* saving on energy bills with e.sytwin up to 1,000 euros a year\*, thanks to the inverter technology.



CHAMPION OF SAVINGS

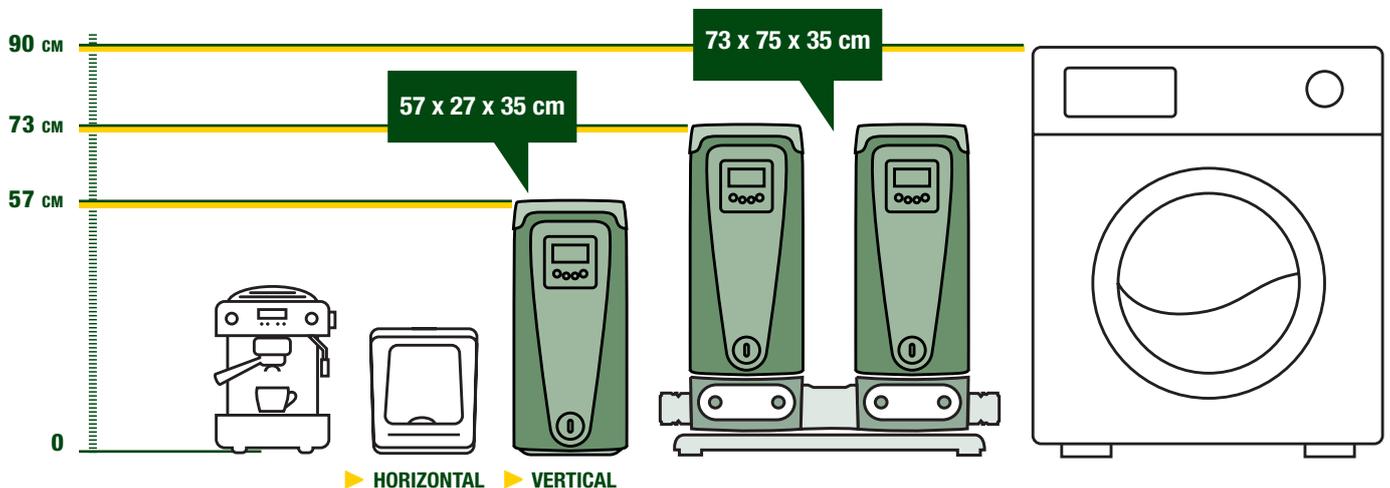


\*compared to a traditional booster set in terms of medium usage conditions.

## MINIMUM FUSS

### MAX COMPACTNESS

The new component architecture and the ergonomic design make e.sybox so compact, it can be installed in nearly any environment. It guarantees a dimension reduction of at least 30% compared to any other traditional pump system.

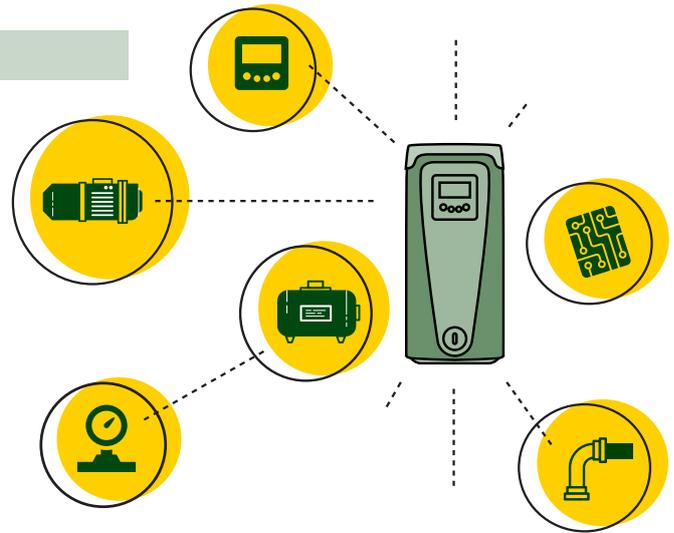


# OVERVIEW

## INTEGRATED

### ALL IN 1

Once the suction and delivery pipes are connected, e.sybox doesn't require any additional components for its installation and operation.



## DISPLAY

### COMMUNICATE WITH E.SYBOX

LCD 70X40 mm high-resolution screen, adjustable to adapt the readability at various installations. The intuitive interface gives access to all the system information and the main settings depending on the specific application.



INTUITIVE  
INTERFACE

MONITORING  
PARAMETERS

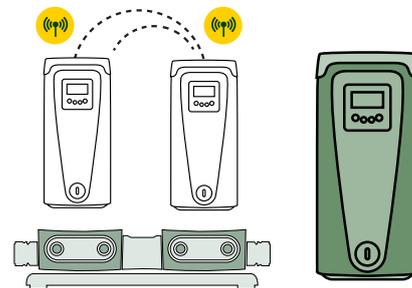
ADJUSTABLE

QUICK  
SETTING



## WIRELESS

### ON BOARD

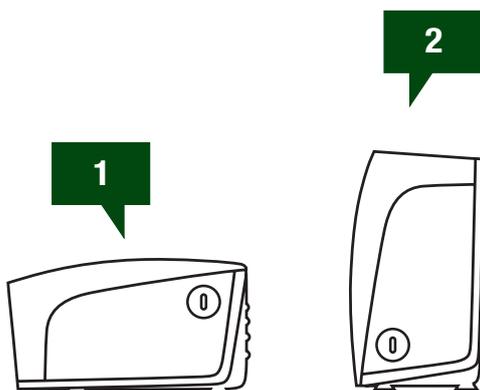


Thanks to the equipped wireless connection is possible to create groups of two to four pumps and can be connected to the internet.

## MAXIMUM VERSATILITY

### 3 INSTALLATION POSITIONS

Horizontal, vertical or wall mounted, e.sybox can be installed virtually anywhere inside or outside the home.



▶ HORIZONTAL

▶ VERTICAL

▶ ON THE WALL  
with e.sywall

▶ OUTSIDE  
with e.sycover

e.sybox

# EFFICIENT HIGH PERFORMANCE

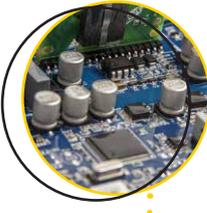


# FEATURES



## MOTOR

Special water cooled motor design eliminates noise generated by the fans traditional cooling.



## INVERTER

Thanks to the inverter technology, e.sybox absorbs only the necessary energy required. Increasing the sensitive economic savings.



## NON RETURN VALVE ON DELIVERY

Easy to remove for routine maintenance operations.



## CONNECTIONS - FLEXIBILITY OF INSTALLATION

Allows you to choose which system inlets and outlets to use depending on your installation needs.



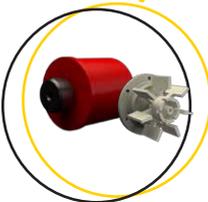
## TECHNICAL COMPARTMENT

Easy access to the expansion tank air valve adjustment and the non return valve for quick cleaning or maintenance.



## 2 LITRE EXPANSION TANK

Guaranteed for 5 years without any maintenance requirements. Certified for drinking water.



## FLOW AND PRESSURE SENSORS

Electronic pressure transducer and integrated flow sensor.



## ANTI VIBRATION FEET

Guarantees effective absorption of vibrations helping e.sybox to further reduce the operation noise.



WIRELESS



ANTIFREEZE PROTECTION



## ACCESSORIES

# MODULARITY IN FIRST PLACE

The innovative range of e.syline accessories, further increases the possibilities of installing e.sybox booster set is now the most versatile and innovative on the market. A suite of integrated solutions that cover all your needs in terms of performance and conditions of use.

## Quick connect base

### e.sydock



Complete docking station for e.sybox with all the necessary interfaces for connection to the system including anti-vibration feet.

Thanks to 4 possible hydraulic configurations, installation becomes even more rapid and flexible. In case of maintenance, e.sydock allows the quick disconnection of e.sybox helping to reduce maintenance down time of the system.

## Quick connect station for groups with two e.sybox



### e.sytwin



It offers outstanding performance with the ability to combine operations, with reduced dimensions of 50% compared to any other equivalent traditional system. E.sytwin allows you to fully exploit the potential of e.sybox in the creation of sets with two pumps.



e.syLINE



## Water storage tank ready for use

### E.SY TANK

480 litre tank provided with e.sydock for quick installation. It is suitable for potable water and is equipped with filling valve from the water supply (complies with UNI EN 1717), with AG type overflow system, suction hose with bottom valve and discharge hose.

The tank is suitable for installation above ground and the four slots on the base facilitate the fixing to the ground. It is equipped with direct discharge from the tank.

The system is modular with the ability to install additional tanks on three sides (laterally and to the rear).



## Wall installation

### E.SY WALL

Complete wall mounting kit with brackets, screws, dowels, and two spacers for shock absorption. Suitable for both e.sybox and e.sybox mini<sup>3</sup>.



## Insect grills

### E.SY GRID



Suitable for vertical or horizontal installation. Suitable for both e.sybox and e.sybox mini<sup>3</sup>.



## Outside installation

### E.SY COVER\*

Suitable for both e.sybox and e.sybox mini<sup>3</sup>.



\* Available from September 2017



# SELECTION TABLE

	WATER PRESSURE			IRRIGATION	
	SMALL SIZE APARTMENT with 1 bathroom (6° 🏠)	MEDIUM SIZE APARTMENT with 2 bathrooms (10° 🏠)	LARGE SIZE APARTMENT with 2 bath. plus a garden (15° 🏠)	STATIC SPRINKLERS RANGE 4 M Capacity: 6l/min Working pressure: 2.4 bar	DYNAMIC SPRINKLER RADIUS 14 M Capacity: 20l/min Working pressure: 3.4bar
MAXIMUM NUMBER OF FLOORS	MAXIMUM NUMBER OF APARTMENTS			MAXIMUM NUMBER OF SPRINKLERS	
 esybox mini <sup>3</sup>	1	2	2	1	-
	2	2	2	1	-
	3	2	1	1	-
 esybox	1	9	5	4	-
	2	8	5	4	-
	3	7	5	4	-
	UP TO 6	6	3	-	16
 esybox twin	1	16	10	6	-
	UP TO 3	16	10	6	-
	4	15	9	5	-
	5	14	8	5	-
	6	12	7	5	-
	UP TO 8	11	6	-	-

\*The table is indicative and it is based on average values. Thoroughly analyze the specific plant for optimal sizing.

# TECHNICAL DATA

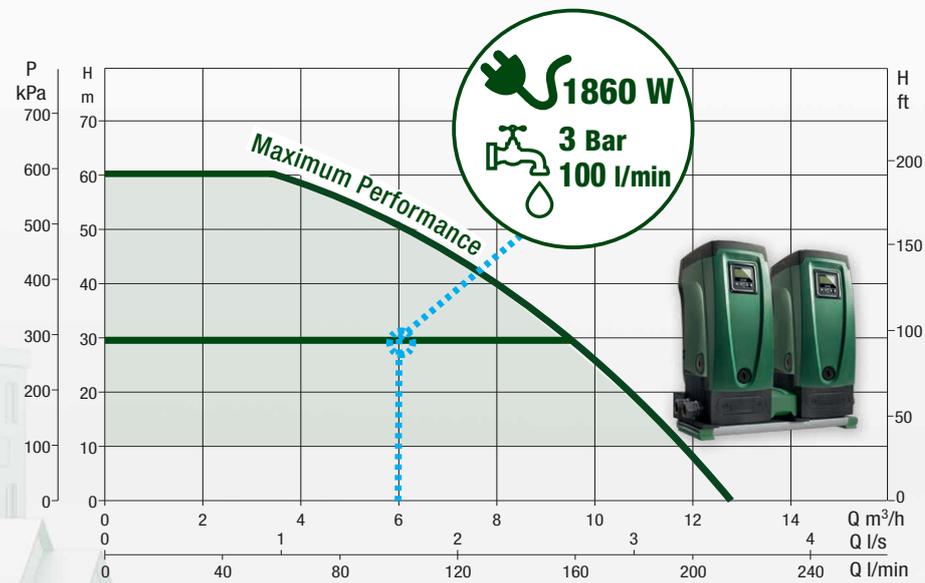
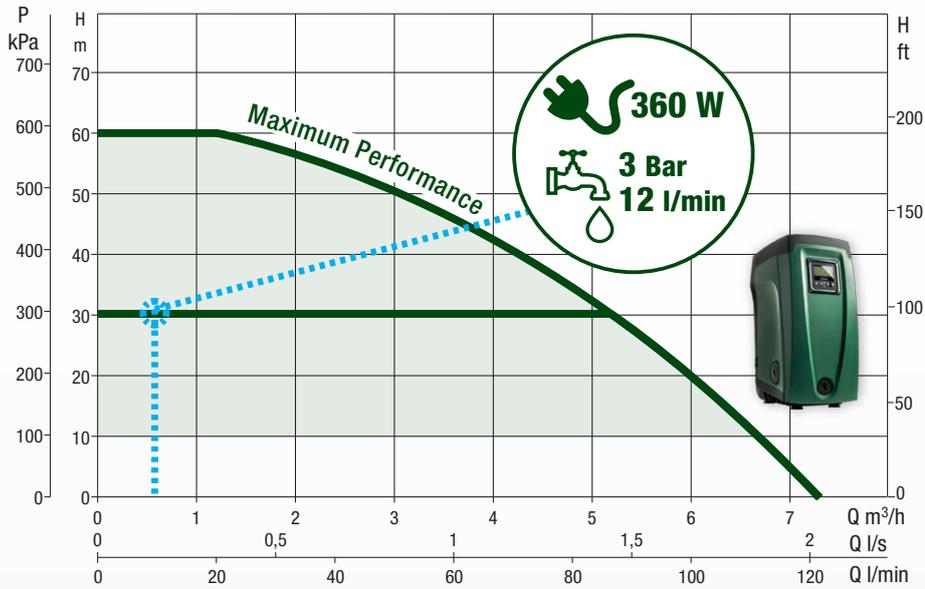
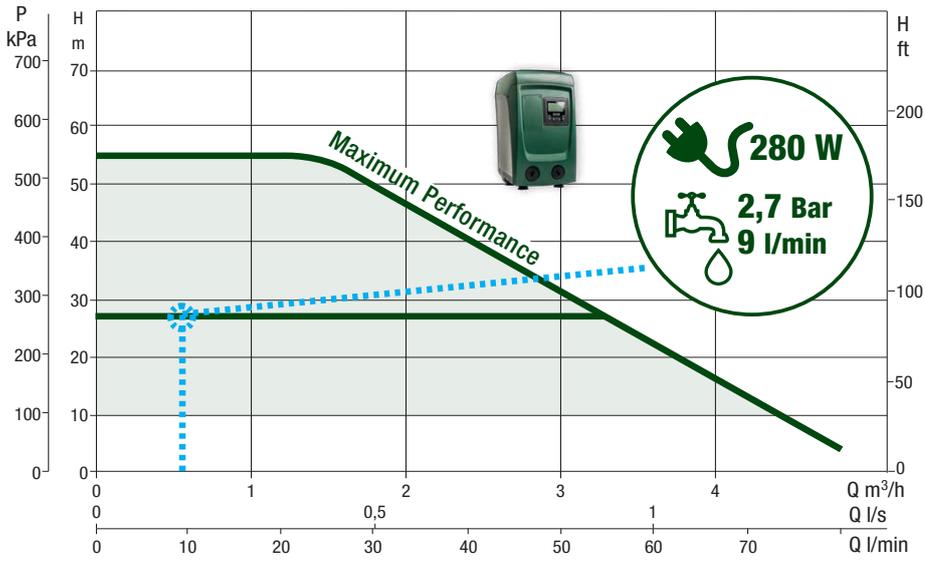
esybox mini<sup>3</sup>

esybox

<b>OPERATING RANGE:</b>	flow rate up to 80l/min; head up to 55m	flow up to 120l/min; head up to 65m
<b>PUMPED LIQUID:</b>	clean, free from solids or abrasive substances, non viscous, non aggressive, non crystallized and not chemically neutral	
<b>LIQUID TEMPERATURE RANGE:</b>	from 0°C to + 35°C for domestic use and from 0°C + 40°C for other uses	
<b>MAXIMUM SUCTION DEPTH:</b>	8 meters	
<b>MAXIMUM AMBIENT TEMPERATURE:</b>	+50°C	
<b>MAXIMUM WORKING PRESSURE:</b>	7,5 bar (750 kPa)	8 bar (800 kPa)
<b>MOTOR PROTECTION:</b>	IPX4 (without e.sycover fitted)	
<b>INSULATION CLASS:</b>	F	

esyLINE

# PERFORMANCE DATA



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