



TECHNICAL DATA

Flow rate: Up to a 7,2 m³/h

Head: 65 m

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

Liquid temperature : +40°C

Maximum ambient temperature: +50°C

Maximum suction depth: 8 m

Maximum operation pressure: 8 bar / 800 kPa

Motor protection class: IP X4

Motor insulation class: F

Impeller material: Technopolymer

Single phase power input: 230 V 50 Hz

Power cord (m) and plug: 1,5 meters with power plug

Type of installation: Fixed, vertically, horizontally or on the wall with special accessories (supplied separately)

Certification: WRAS, ACS

Multi-impeller self-priming electronic system for pressurization, rainwater reuse, drawing ground water, gardening and irrigation and agriculture and irrigation in residential building service and commercial building service. Possibility to connect up to four ESYBOX together to create pressure units. Adjustable display. Possibility of remote control thanks to the DConnect service (with DConnect Box supplied separately). The careful choice of materials and the water-cooled motor make the pump particularly quiet, just 43 dB, suitable for installation even in living areas. Can be positioned vertically, horizontally or on the wall with special accessories (supplied separately).

CONSTRUCTION FEATURES OF THE PUMP

Self-priming multi-impeller pump. 2-liter expansion vessel incorporated. Protective hull in sound-absorbing ABS. Technopolymer impellers. Integrated flow and pressure sensors.

CONSTRUCTION FEATURES OF THE MOTOR

Motor cooled by the pumped liquid, stainless steel motor jacket. Motor shaft in AISI 303 stainless steel.

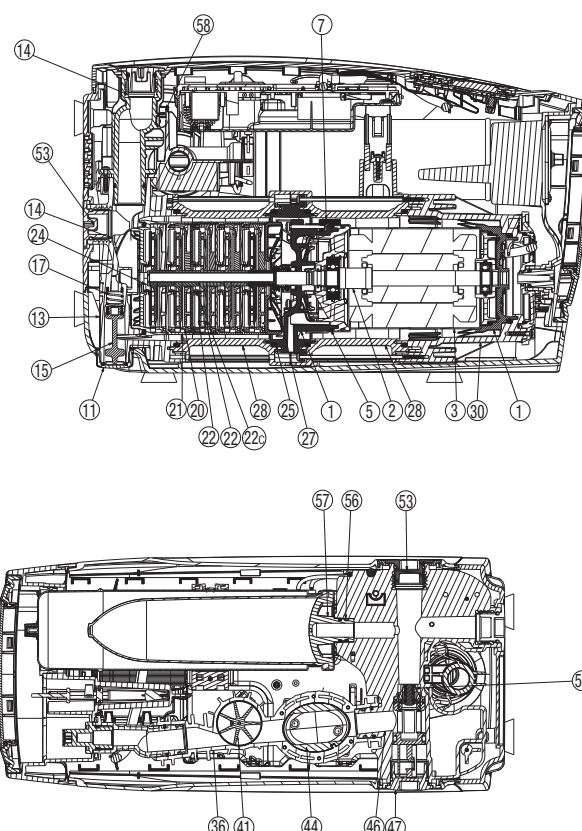
CONSTRUCTION FEATURES OF THE ELECTRONIC

Adjustable display. The variable frequency drive function saves energy and protects against water hammer. Integrated protections: protection from dry running, amperometric and anomalous voltages, overtemperature, frost, anti-blocking and anti-cycling. Construction according to CEI 2-3 / CEI 61-69 (EN 60335-2-41). Guided procedure for the first start-up, easy configuration, possibility to display the alarm history. Wireless connection.

MATERIALS

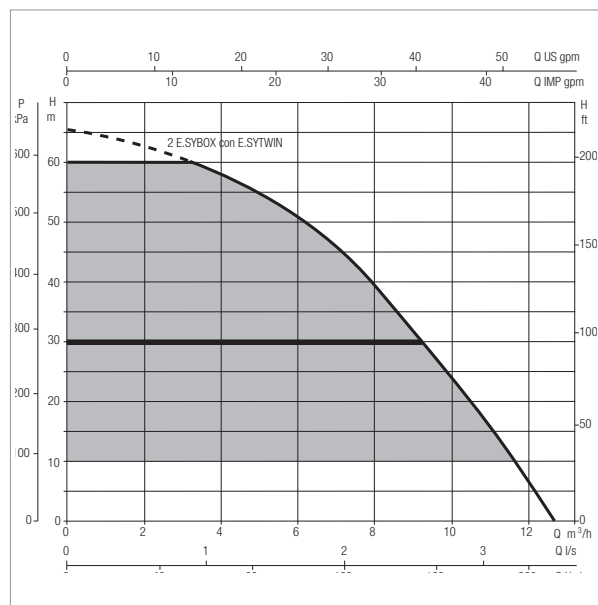
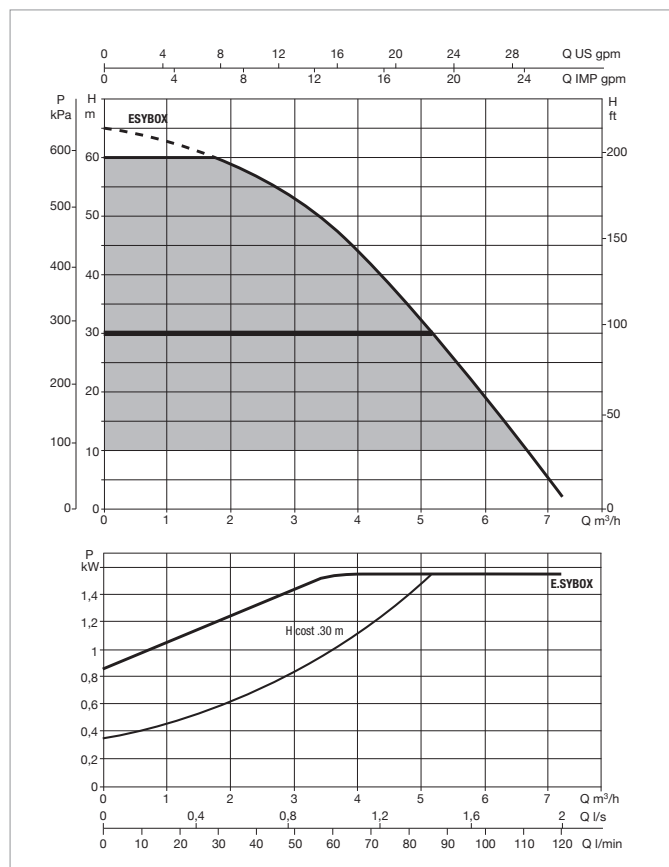
N°	PARTS *	MATERIALS
1	MOTOR FLANGE	TECHNOPOLYMER
2	ROTOR SHAFT	AISI 303 STAINLESS STEEL
3	MOTOR JACKET	AISI 304 STAINLESS STEEL
5	OR GASKET	NBR
7	SINTERED PLATE	AISI 304 STAINLESS STEEL
11	1" PLUG	TECHNOPOLYMER
13	SUCTION BODY	TECHNOPOLYMER
14	1" INSERT	NICKLED BRASS
15	SHUTTER	TECHNOPOLYMER
17	SPRING	AISI 303 STAINLESS STEEL
20	DIFFUSER	TECHNOPOLYMER
21	DIFFUSER BODY	TECHNOPOLYMER
22	IMPELLER	TECHNOPOLYMER
22c	SHIM RING	AISI 316 STAINLESS STEEL
24	NUT	AISI 316 STAINLESS STEEL
25	DIFFUSER END PLUG	TECHNOPOLYMER
27	MECHANICAL SEAL	CARBON IMPREGNATED RESIN / SILICON CARBIDE / EPDM
28	PUMP BODY	TECHNOPOLYMER
30	DISCHARGE BODY	TECHNOPOLYMER
36	FLOW SWITCH BODY	TECHNOPOLYMER
41	PRESS. STABLE. IMPELLER	TECHNOPOLYMER
46	DISCHARGE MANIFOLD	TECHNOPOLYMER
47	1" 1/4 PLUG	TECHNOPOLYMER
52	NON-RETURN VALVE	TECHNOPOLYMER / RUBBER / STEEL
57	TANK	TECHNOPOLYMER / RUBBER
58/1	PRESSURE SENSOR BODY	TECHNOPOLYMER

* In contact with liquid



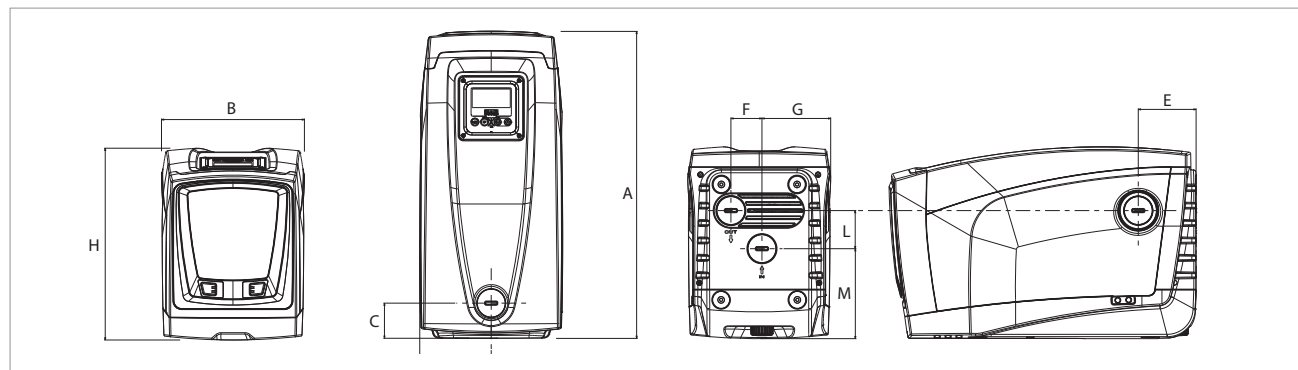
ESYBOX - ELECTRONIC PRESSURISATION SYSTEM

Liquid temperature range: from 0°C to +35°C for domestic use - from 0°C to +40°C for other uses. - Maximum ambient temperature: +50°C



Performance refers to 2 assembled ESYBOX in E.SYTWIN.
Pressure losses included

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.



MODEL	N° IMPELLER	POWER SUPPLY 50/60 Hz	ELECTRICAL DATA		
			P1 MAX		In A
			kW	HP	
ESYBOX	5	1 x 220 - 240 V ~	1,55	2,11	10
ESYBOX - KIWA	5	1x220-240V ~	1,55	2,1	10

MODEL	A	B	C	D	E	F	G	I Ø	H	L	M	DNA	DNM	PACKING DIMENSIONS			GROSS Kg
														L/A	L/B	H	
ESYBOX	564	263	65	131,5	106	57	126,2	9	362	70	165,2	1"	1"	685	360	490	27
ESYBOX - KIWA	564	263	65	131,5	106	57	126,2	9	362	70	165,2	1"	1"	685	360	490	27