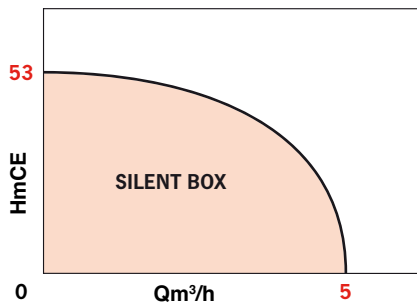


## OPERATING RANGES

Flow rates up to :	5 m <sup>3</sup> /h
Pressure head up to :	53 mCE
Operating pressure :	8 bar
Max. water temperature :	+5°a 35°C
Max. ambient temperature :	40°C
Orifice DN :	1"
Max. suction head :	8 m



## ADVANTAGES

- 43 dB(A) low-level noise running
- Plastic shell
- All-in-one concept
- Built-in check valve
- On/off operation
- Dry running protection
- Adjustable starting pressure
- Draining pipe
- Simple connections
- The pump rests on silent blocks
- Built-in filling funnel

# SILENT BOX

## DOMESTIC BOOSTING SYSTEM

50 Hz

## APPLICATIONS

- Distribution of clear, pure water and rainwater
- Irrigation
- Sprinkling
- Distribution of drinking water
- Pressure boosting
- Washing



• Silent Box

# SILENT BOX

## DESIGN

### • Hydraulics :

- Horizontal pump
- Axial suction and upwards vertical discharge with threaded orifices
- Impellers mounted directly on the motor's extended shaft
- Hydraulic assembly assembled at 8 points to a lantern ring
- Shaft/motor leaktightness ensured through a mechanical seal

### • Motor

- Ventilated 2 pole dry motor
- Single-phase: thermal protection with automatic repriming

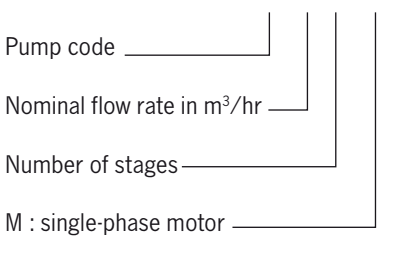
Speed : 2900 rev/min  
 Single-phase winding : 230 V  
 Frequency : 50hz  
 Insulation class : 155 (F)  
 Protection index : IP 54  
 CE compliance : NF E

## BASIC CONSTRUCTION

Main parts	Material
Impellers	Noryl
Stage body	Noryl
Mechanical seal	Carbon-resin/Nitrile
O-rings	NBR
Shaft	AISI 420
Knuckle	Noryl
Drain pipe	Transparent PVC
Pump body	AISI 304 stainless steel
Casing	Polypropylene
Acoustical foam	Polyurethane
Plugs	Noryl

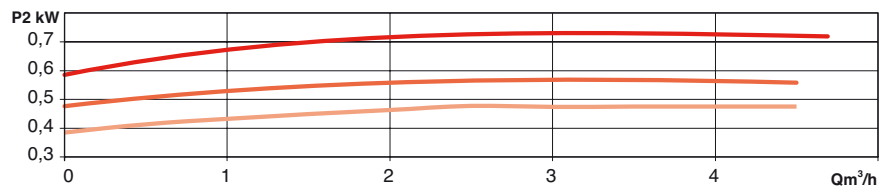
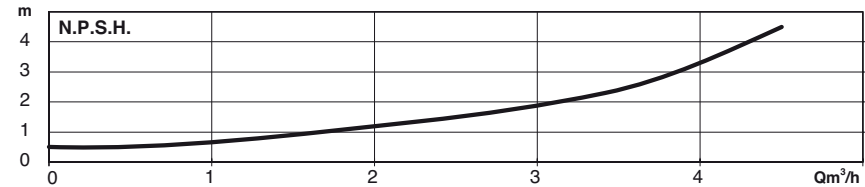
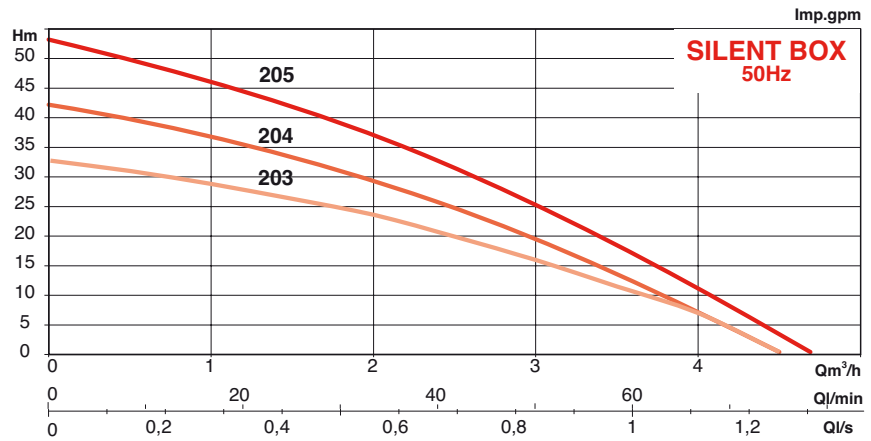
## IDENTIFICATION

### SILENTBOX 2 03- M /EV



Eau de ville

## HYDRAULICS PERFORMANCES



### NB:

Attention 203 EV version is only available in non self-priming version.

## CONTROL PANEL AND AUTOMATIC DEVICE

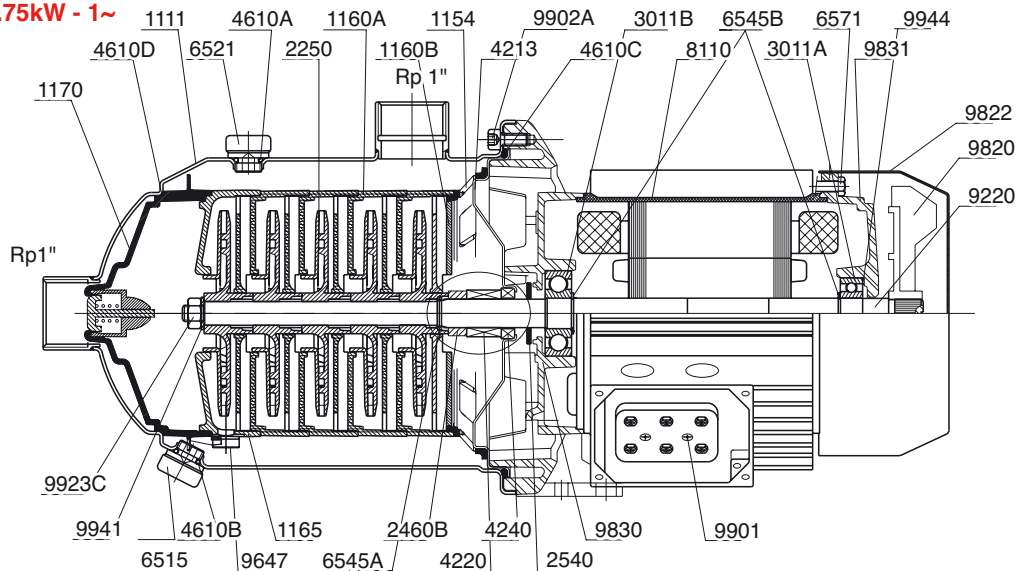
### Main functions\*

1 ON/OFF BUTTON	Pressing the button for 2 seconds will automatically prime the pump. The button also allows the manual repriming of the pump in the event of a fault
2 OPERATING INDICATOR	The pump is in operation
3 VOYANT ATTENTE DE MARCHÉ	The pump is connected to the mains electricity supply
4 FAULT INDICATOR	The pump is in «alarm» mode : dry running protection
5 STARTING PRESSURE ADJUSTING	The pump is factory preset at 1.5 bar. The pressure can be adjusted from 0.7 bars to 3.5 bars (see photos)

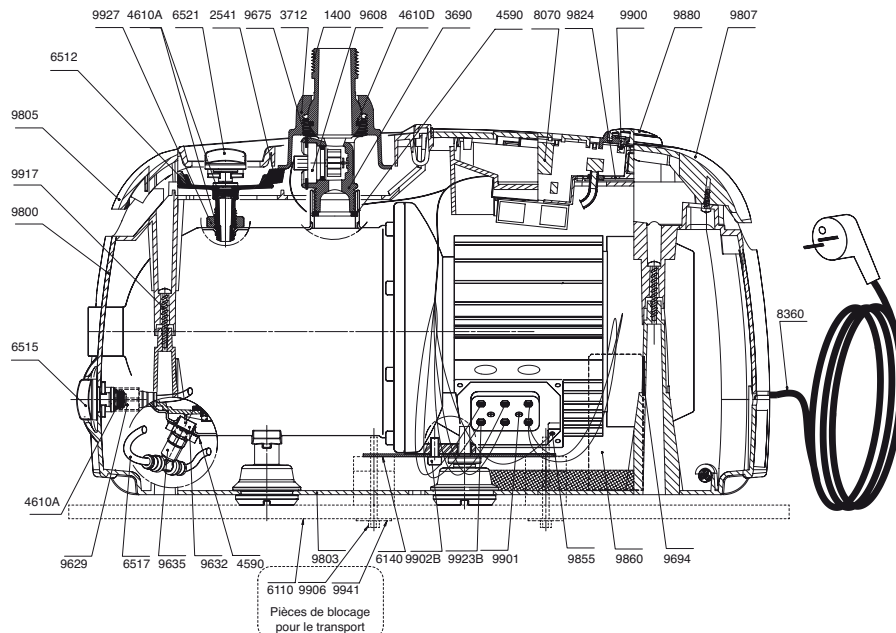
\* For more information about these functions, refer to the installation manual

## SECTIONAL DRAWING

**SB 205**  
**0.75kW - 1~**



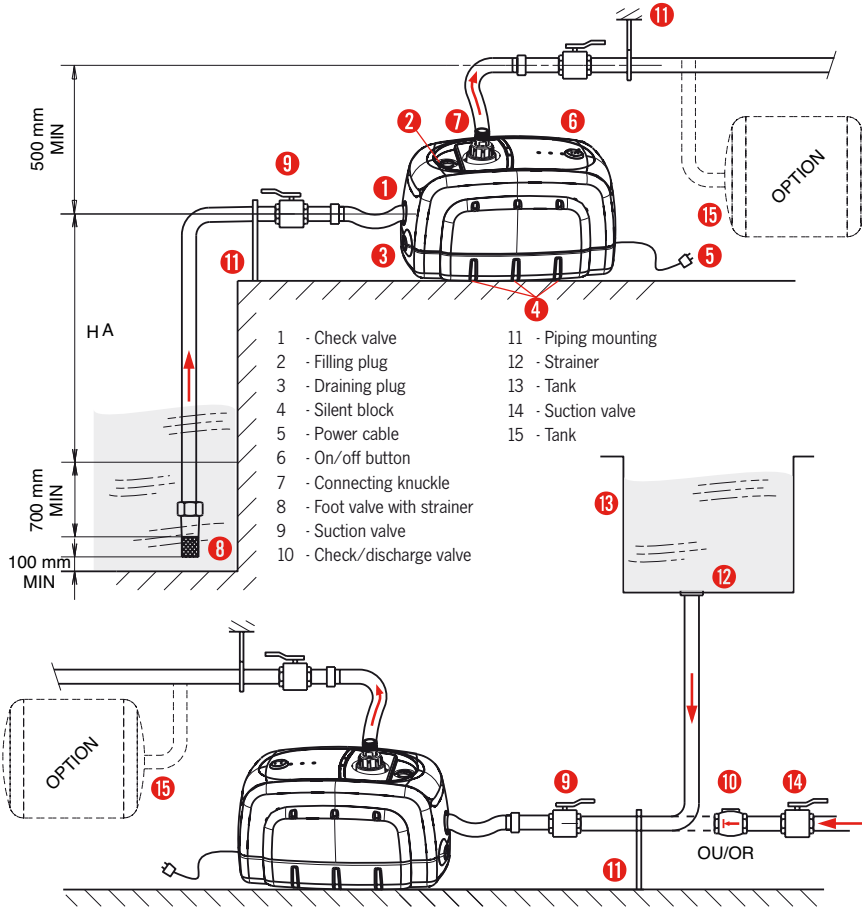
- |  |                         |                        |                            |
|--|-------------------------|------------------------|----------------------------|
| 1111 - 6 Stage casing body                   | 3011A - bearing         | 6545B - retaining ring | 9831 - Rear bearing flange |
| 1160A - stage body with interstage crossover | 3011B - bearing         | 6571 - Tie rod         | 4213 - Step holder bottom  |
| 1154 - Diffuser stage                        | 2540 - Rubber deflector | 8110 - Housing         | 9923C - nut                |
| 1170 - Check valve stage                     | 4610B - seal            | 9220 - Impeller shaft  | 9941 - Washer              |
| 1160 - Valve holder stage                    | 4610C - o-ring          | 9647 - Metal valve     | 9944 - Elastic washer      |
| 1160B - interstage crossover                 | 4610D - o-ring          | 9820 - Motor fan       | 9902A - screw              |
| 2250 - Impellers                             | 6545A - 1/2 snap ring   | 9822 - Fan cover       |                            |



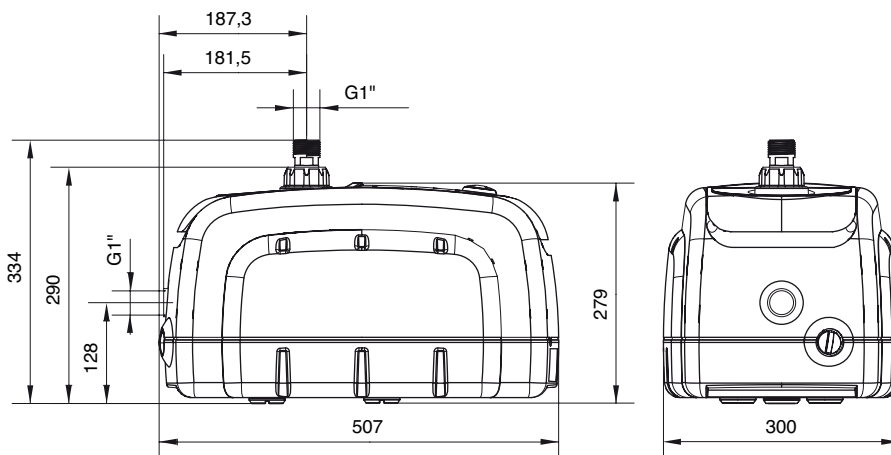
- |                          |  |                      |                              |
|--------------------------|--|----------------------|------------------------------|
| 3690 - Sensor mounting   | 4610A - o-ring                         | 6517 - Flexible pipe | 9805 - Hydraulic trap        |
| 3712 - Knuckle nut       | 6512 - Filling funnel                  | 8360 - Wire harness  | 9807 - Control panel         |
| 1400 - Discharge knuckle | 6521 - Filling plug                    | 9860 - Capacitor     | 9880 - Push button           |
| 9608 - Flow rate sensor  | 9927 - Fine thread nut                 | 9803 - Base          | 8070 - Printed circuit board |
| 6515 - Draining plug     | 9635 - Draining union                  | 9800 - Cover         | 9824 - Pcb protector hood    |
| 4610D - o-ring           | 9675 - Flow rate sensor Retaining fork | 9917 - Screw         |                              |

# SILENT BOX

## INSTALLATION DIAGRAMS



## ELECTRICAL AND DIMENSIONAL PROPERTIES



ORDER REFERENCE	P2 kW	I 1x 230 A	Capacitor $\mu$ F	Weight		Electric cable m
				with packaging kg	without packaging kg	
SILENT BOX-EV203 M	0,55	4,2	12	17	11,4	1,5
SILENT BOX204- M	0,55	4,2	12,5	18	11,4	1,5
SILENT BOX205- M	0,75	5,4	16	18	13,9	1,5

Câble H07RNF avec fiche

## FEATURES

### a) Electrical

- 230 V-50 hz single-phase (M) with built-in thermal protection and automatic repriming.
- Built-in capacitor.

### b) Assembly

- Installation in a suction or charge fixed configuration.
- No need to secure to the ground.
- The silent blocks absorb the system's vibrations
- Connection through flexible pipes with reinforcing helix
- Strainer recommended
- Foot valve recommended for pump in a suction configuration

### c) Packaging

- Delivered ready to use; prewired with plug

### d) Maintenance

- Assembly/dismantling instructions delivered with the pump

## ACCESSORIES

- Suction kit
- Isolating valves
- Strainer
- Foot valve with strainer
- Bladder tanks

### STARKIT

Suction kit with 7 m hose, foot valve/strainer, and two fittings (suction and discharge)



ORDER REFERENCE	ITEM PART NUMBER
STARKIT G1 (for SILENT BOX 204, 205)	4027874