

Prefabricated lifting stations for clean water

MARKET SECTORS

DOMESTIC.

APPLICATIONS

- Suitable for delivering clean water to main sewer lines located at a higher level, or where gravity drainage is not possible.

MINIBOX Series



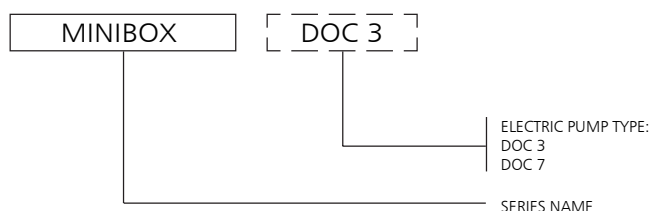
SPECIFICATIONS

- The station is equipped with:
 - **DOC submersible pump**, with flow rate up to 230 l/min and head up to 11 m. Passes suspended solids up to 10 mm diameter. Equipped with float switch for automatic operation.
 - 85 litres high density polyethylene **tank**.
 - 1 1/4" **flexible pipe** equipped with a check valve; left or right-hand connection.
 - **Power cord** outlet.
 - Three types of 40 mm diameter pipe inlets.
 - **Screens**.
 - **Basin** to be filled with sand or gravel to filter solid particles.
- The Minibox station can be equipped with a **DOC3** (0,25 kW rating) or a **DOC7** (0,55 kW rating).
- **Installation is quick and easy**: just connect the pipes and plug it in.
- Minibox can be installed on the floor or buried in a suitable structure (to withstand vehicle or foot traffic).

ACCESSORIES

- An **optional watertight lid** (substituting the screens) can be installed for indoor use.

IDENTIFICATION CODE

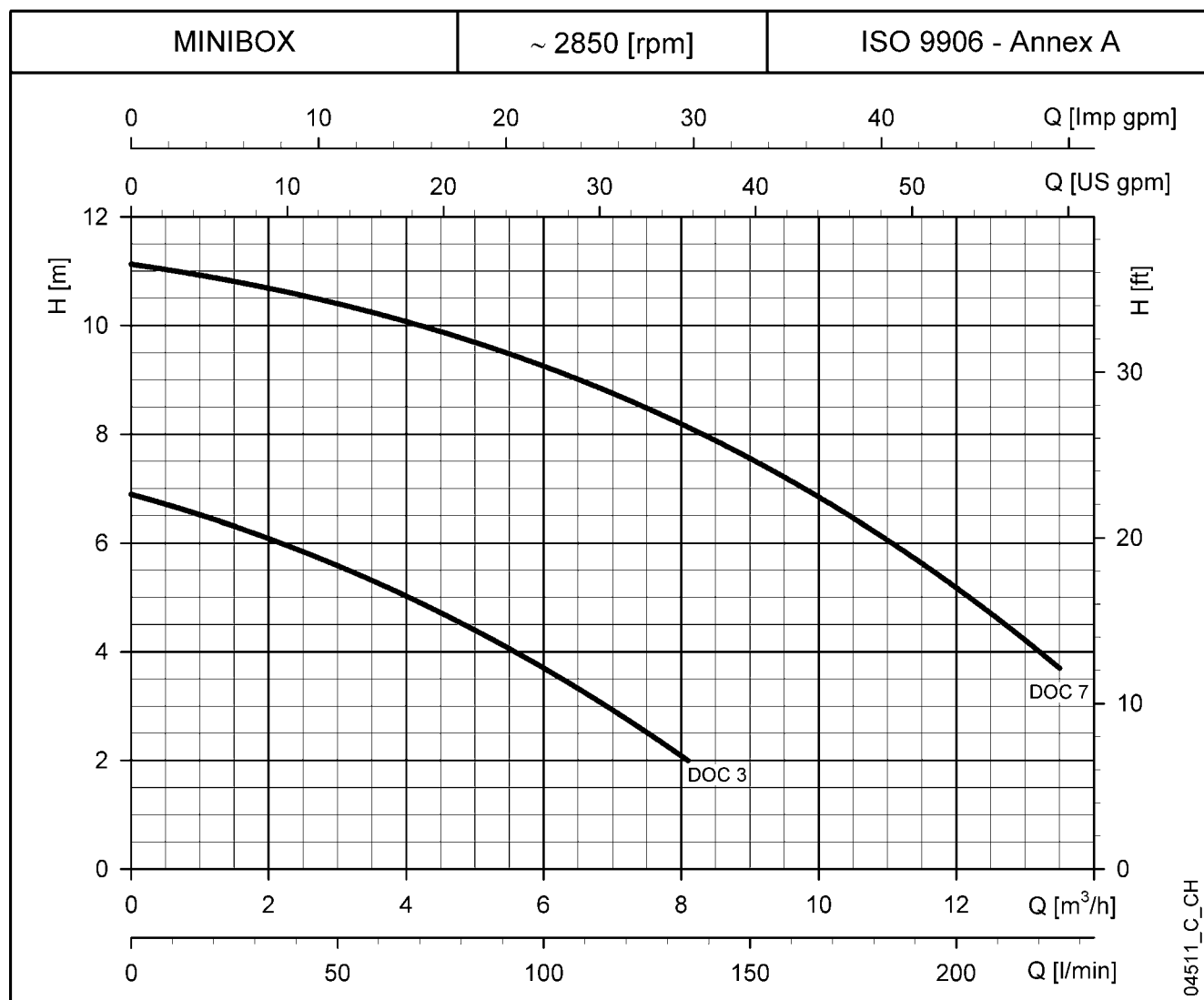


EXAMPLE : MINIBOX DOC 3

Lifting station MINIBOX series with DOC 3 submersible electric pump.

MINIBOX SERIES

OPERATING CHARACTERISTICS AT 50 Hz



HYDRAULIC PERFORMANCE TABLE

PUMP TYPE	RATED POWER		Q = DELIVERY								
			l/min	0	25	50	75	100	125	135	175
	m³/h	0	1,5	3	4,5	6	7,5	8,1	10,5	13,5	
	kW	HP	H = TOTAL HEAD METRES COLUMN OF WATER								
DOC3	0,25	0,33	6,9	6,3	5,6	4,7	3,7	2,5	2,0		
DOC7	0,55	0,75	11,1	10,8	10,4	9,9	9,3	8,5	8,1	6,5	3,7

These performances (referred to the single pump) are valid for liquids with density $\rho = 1,0 \text{ kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{s}$.

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ELECTRICAL DATA TABLE

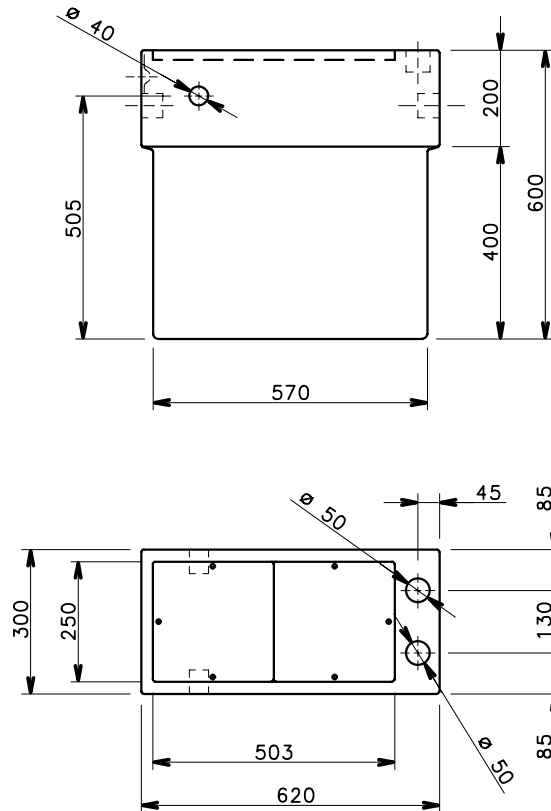
PUMP TYPE	ABSORBED POWER*	ABSORBED CURRENT*	CAPACITOR
SINGLE-PHASE		220-240 V	
	kW	A	$\mu\text{F} / 450 \text{ V}$
DOC 3	0,31	1,43	6,3
DOC 7	0,78	3,47	16

*Maximum values within operating range.

PUMP TYPE	ABSORBED POWER*	ABSORBED CURRENT*	ABSORBED CURRENT*
THREE-PHASE		220-240 V	380-415 V
	kW	A	A
-	-	-	-
-	-	-	-

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MINIBOX SERIES DIMENSIONS AND WEIGHTS



MODEL	WEIGHT kg
MINIBOX (with pipes)	13
MINIBOX DOC3	18
MINIBOX DOC7	20

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