

MINIBOX SERIES

PREFABRICATED COMPACT LIFTING STATIONS FOR DIRTY WATER

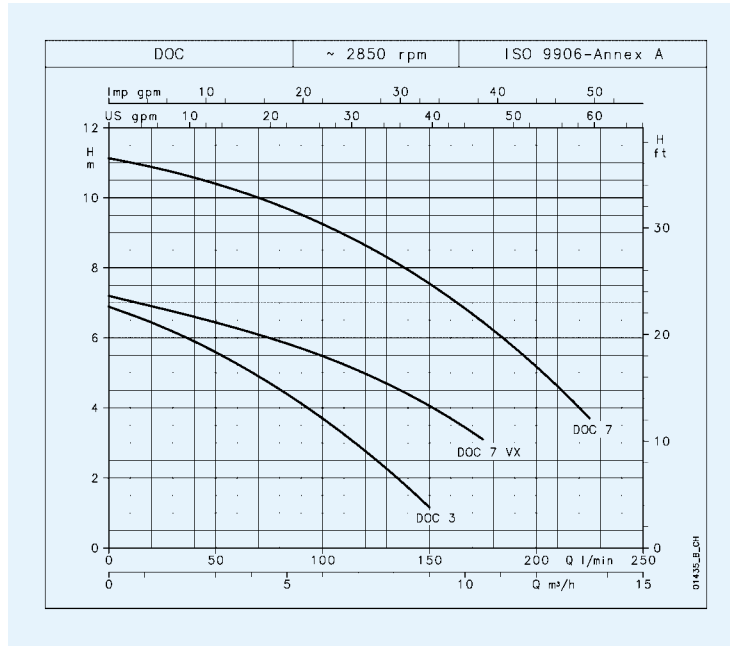
Minibox is a complete lifting station designed for removing domestic effluent excluding toilet waste where gravity drainage is not possible

SPECIFICATIONS

- It consists of an **85-litre** polyethylene **tank** housing a DOC electric pump and all its accessories.
- Installation is fast and easy, just connect the pipes and plug it in.
- Minibox can be installed above floor, buried underground or in concrete (to withstand passage of vehicles).
- Minibox is **equipped with a screen and sand filter basin** for the collection of water infiltration or runoff, as in the case of a garage ramp.
- An **optional watertight lid** (substituting the screen) can be installed for indoor use.
- The station includes:
 - **DOC submersible electric pump** equipped with a float for automatic operation.
 - 85-litre polyethylene **tank**.
 - 1 1/4" flexible tube equipped with a check valve; left- or right-hand connection.
 - Power **cord outlet**.
 - Three types of 40-mm diameter pipe inlets.
 - **Screens.**
 - **Basin** filled with sand and gravel to filter solid particles.
- The Minibox station can be equipped with a DOC3 (0.25 kW rating) or a **DOC7** pump (0.55 kW). For pump operating characteristics (delivery – head), see DOC pump section in this catalogue.
- **IP 68 protection.**



OPERATING CHARACTERISTICS AT 2850 rpm 50 Hz



PUMP TYPE	RATED POWER		Q = DELIVERY									
			l/min	0	25	50	75	100	125	150	175	225
	kW	HP	m³/h	0	1.5	3	4.5	6	7.5	9	10.5	13.5
			H = TOTAL HEAD METERS COLUMN OF WATER									
DOC3	0.25	0.33		6.9	6.3	5.6	4.7	3.7	2.5	1.2		
DOC7(T)	0.55	0.75		11.1	10.8	10.4	9.9	9.3	8.5	7.6	6.5	3.7
DOC7VX(T)	0.55	0.75		7.2	6.8	6.4	6.0	5.5	4.8	4.1	3.1	

These performances are valid for liquids with density $\rho = 1.0 \text{ kg/dm}^3$ and kinematic viscosity $\gamma = 1 \text{ mm}^2/\text{sec}$.

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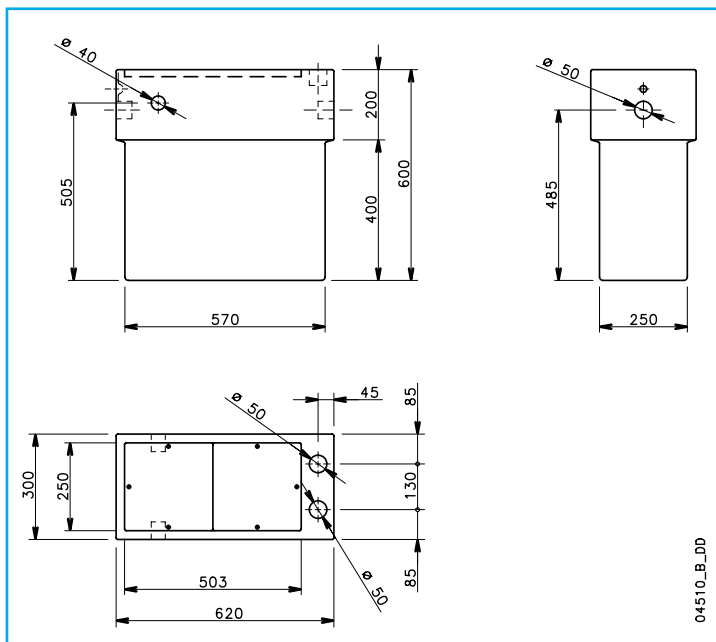
PUMP TYPE	INPUT POWER*	INPUT CURRENT*	CAPACITOR
	kW	A	$\mu\text{F} / 450 \text{ V}$
DOC 3	0.31	1.43	6.3
DOC 7	0.78	3.47	16
DOC 7VX	0.66	2.96	16

* Maximum value in specified range

PUMP TYPE	INPUT POWER*	INPUT CURRENT*	INPUT CURRENT*
	kW	A	A
-	-	-	-
DOC 7T	0.79	2.82	1.63
DOC 7VXT	0.66	2.68	1.55

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MINIBOX SERIES DIMENSIONS



APPLICATION ILLUSTRATION

