

Dirty water

Domestic use



### PERFORMANCE RANGE

- Flow rate up to **400 l/min** (24 m<sup>3</sup>/h)
- Head up to **11 m**

### APPLICATION LIMITS

- **5 m** maximum immersion depth (with a sufficiently long power cable)
- Maximum liquid temperature **+40 °C**
- Passage of suspended solids up to **Ø 40 mm**
- Suction down to **50 mm** above ground level
- **240 mm** minimum immersion depth for continuous service

### CONSTRUCTION AND SAFETY STANDARDS

The pumps are complete with:

- power cable
- float switch for single-phase versions

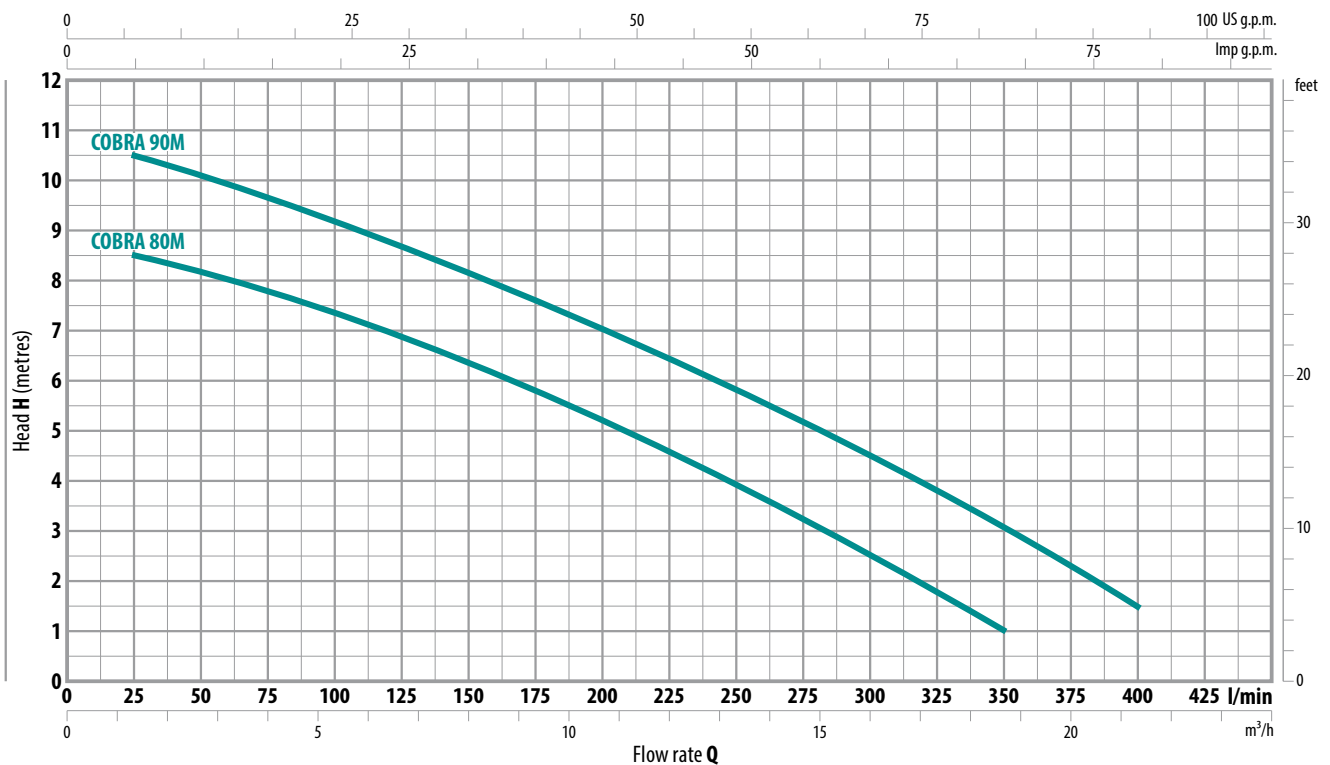
**EN 60335-1**  
**IEC 60335-1**  
**CEI 61-150**

**EN 60034-1**  
**IEC 60034-1**  
**CEI 2-3**



### CHARACTERISTIC CURVES AND PERFORMANCE DATA

| 50 Hz | n= 2900 min<sup>-1</sup>



MODEL	POWER (P <sub>2</sub> )		Q	Flow rate												
	kW	HP		m <sup>3</sup> /h	0	1.5	3.0	4.5	6.0	9.0	12.0	15.0	18.0	21.0	24.0	
Single-phase			l/min	0	25	50	75	100	150	200	250	300	350	400		
COBRA 80M	0.50	0.70	H metres	9	8.5	8.3	8	7.5	6.5	5.2	4	2.5	1			
COBRA 90M	0.60	0.85	H metres	11	10.5	10	9.5	9.2	8.2	7	5.7	4.3	2.8	1.5		

Q = Flow rate  
H = Total manometric head

Tolerance of characteristic curves in compliance with EN ISO 9906 Grade 3B.

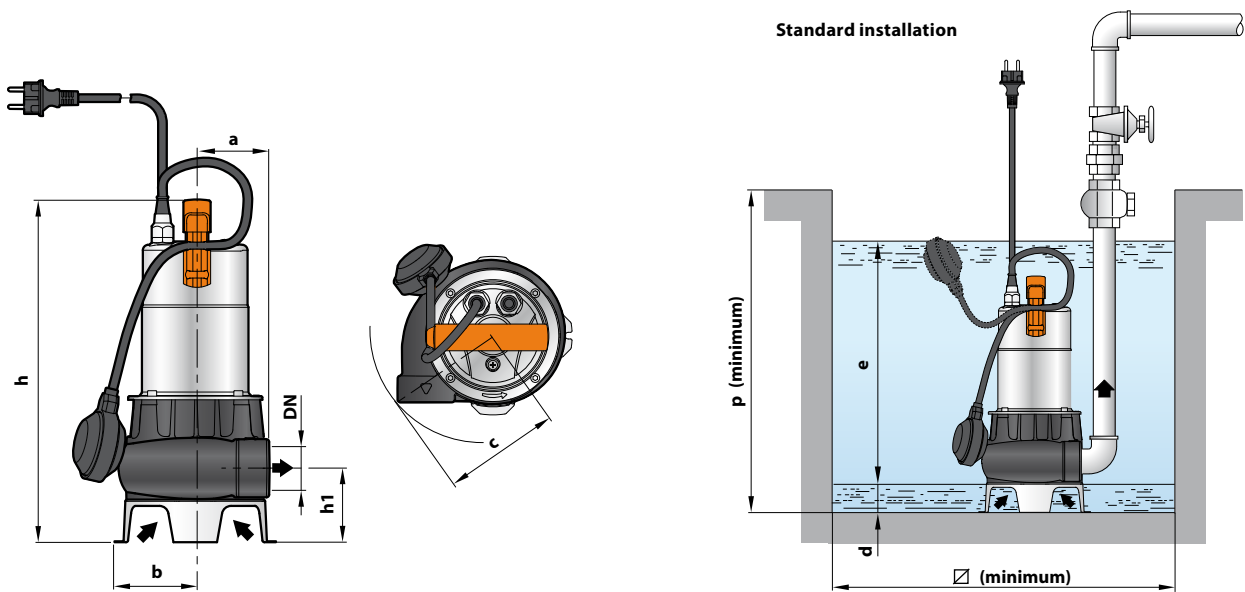
## INSTALLATION AND USE

COBRA series pumps are suitable for draining dirty water in domestic applications and for pumping dirty water containing suspended solids up to Ø 40 mm. They distinguish themselves for the ease with which they are installed and their reliability under automatic operating conditions in fixed installations.

## CONSTRUCTION CHARACTERISTICS

<b>PUMP BODY</b>	Cast iron with threaded port in compliance with ISO 228/1
<b>IMPELLER</b>	Technopolymer VORTEX type
<b>MOTOR SHAFT</b>	Stainless steel EN 10088-3 - 1.4104
<b>SHAFT WITH DOUBLE SEAL</b>	Ceramic - Graphite - NBR
<b>POWER CABLE</b>	H07 RN-F type 5 m long power cable (with Schuko plug for single-phase versions only)

## DIMENSIONS AND WEIGHT



MODEL	PORT DN	Passage of solids	DIMENSIONS mm									kg 1~
			a	b	c	h	h1	d	e	p	Ø	
COBRA 80M	1½"	Ø 40 mm	75	87	130	378	82	50	variable	450	450	11.5
COBRA 90M												11.9

## ABSORPTION

MODEL	VOLTAGE		
	230 V	240 V	110 V
COBRA 80M	3.3 A	3.2 A	6.6 A
COBRA 90M	4.5 A	4.4 A	9.0 A

## PALLETIZATION

MODEL	GROUPAGE	CONTAINER
Single-phase	n. pumps	n. pumps
COBRA 80	60	80
COBRA 90	60	80