

Dirty water

Domestic use



PERFORMANCE RANGE

- Flow rate up to **400 l/min** (24 m³/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

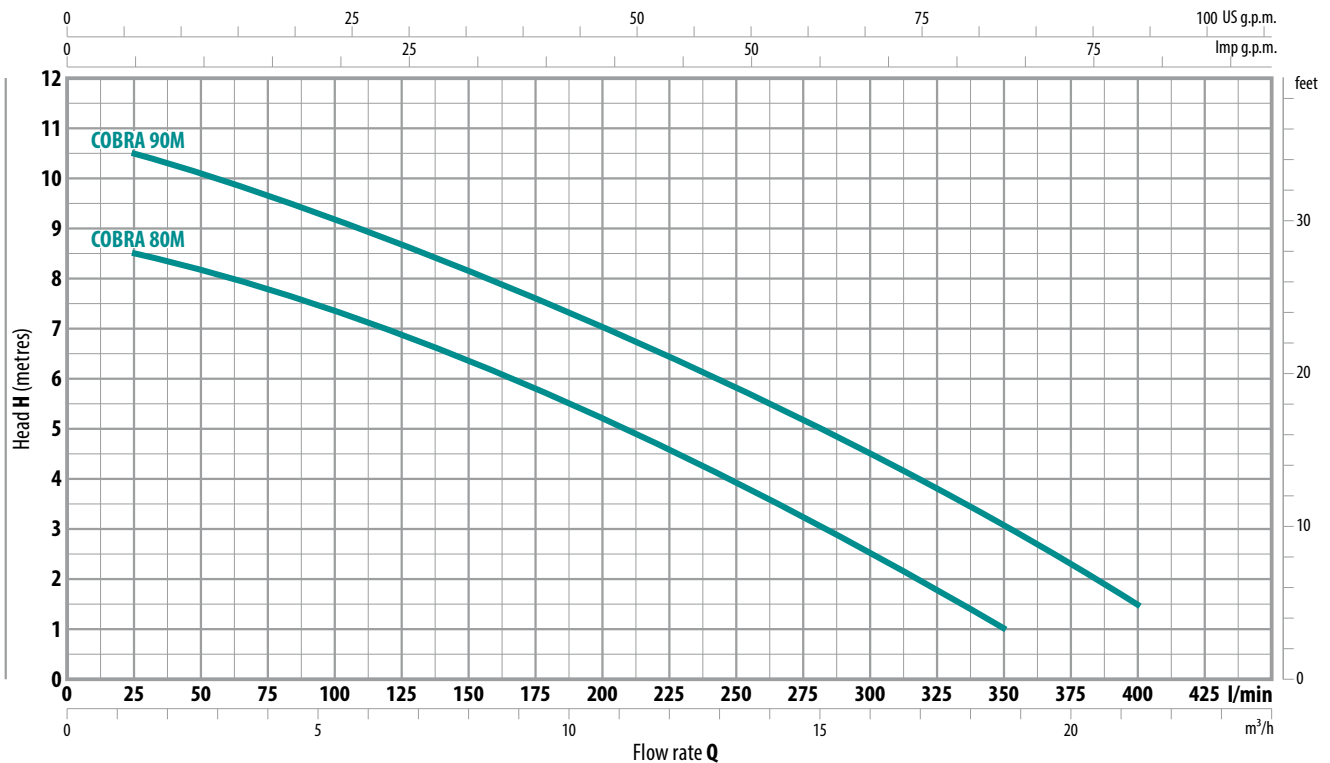
EN 60335-1
IEC 60335-1
CEI 61-150

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



CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz | n= 2900 min⁻¹



MODEL	POWER (P ₂)		Q	Flow rate Q													
	kW	HP		m ³ /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		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.

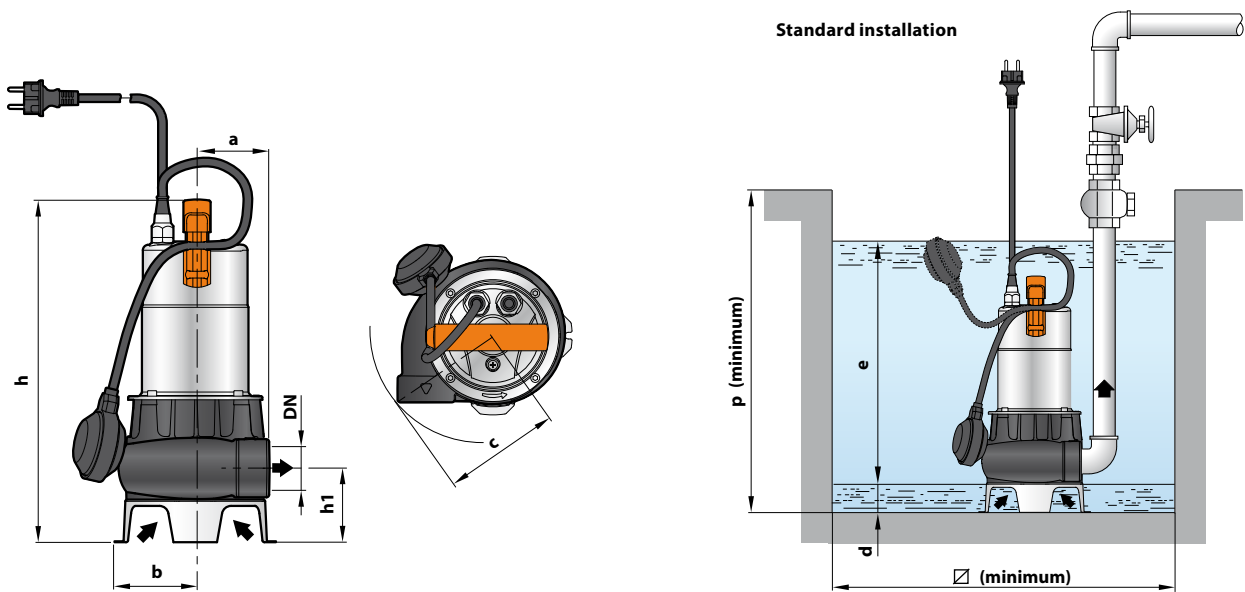
INSTALLATION AND USE

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

PUMP BODY	Cast iron with threaded port in compliance with ISO 228/1
IMPELLER	Technopolymer VORTEX type
MOTOR SHAFT	Stainless steel EN 10088-3 - 1.4104
SHAFT WITH DOUBLE SEAL	Ceramic - Graphite - NBR
POWER CABLE	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