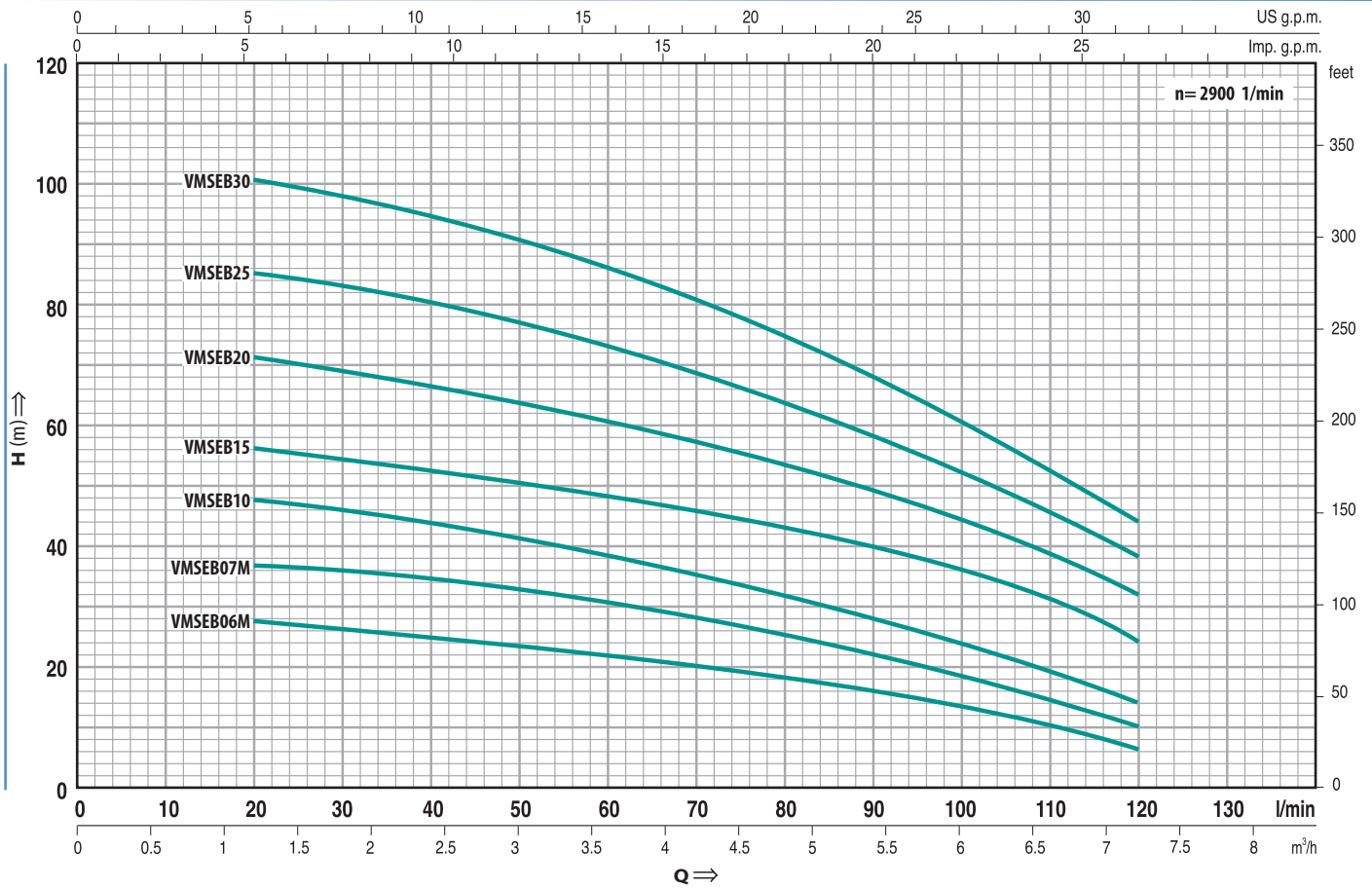




# VMSE B

"in-line" multi-stage pumps



Q = Flow rate H = Total manometric head

Tolerance of the performance curves according to EN ISO 9906 App. A.

TYPE		POWER		m³/h l/min	H metres													
Single-phase	Three-phase	kW	HP		0	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.2		
VMSE B 06M	---	0.45	0.6	0	20	30	40	50	60	70	80	90	100	110	120			
VMSE B 07M	---	0.55	0.75	30	27	26	25	24	22.5	20.5	18	15.5	13	10	7			
VMSE B 10M	VMSE B 10	0.75	1	40	37	36	34.5	32.5	30	28	25	21.5	18.5	14.5	10			
VMSE B 15M	VMSE B 15	1.1	1.5	50	48	46	44	41	38	35	32	28	24	19	14			
VMSE B 20M	VMSE B 20	1.5	2	60	56	54	52	50	48	46	43	39	36	31	24			
VMSE B 25M	VMSE B 25	1.8	2.5	75	72	69	66	64	60	57	53	48	43	38	32			
VMSE B 30M	VMSE B 30	2.2	3	90	85	83	79	76	73	68	64	58	52	44	38			
				105	101	98	94	90	86	80	75	67	60	52	44			

## DIMENSIONS AND WEIGHTS

TYPE		PORTS		N° stages	DIMENSIONS mm					kg	
Single-phase	Three-phase	DN			∅	h	a	b	c	1~	3~
VMSE B 06M	---	1 1/4"		3	135	397	81	200	66	8.4	-
VMSE B 07M	---			4		471				10.5	-
VMSE B 10M	VMSE B 10			5		495				13.8	12.3
VMSE B 15M	VMSE B 15			4	517	19.5				17.5	
VMSE B 20M	VMSE B 20			5	547	20.6				18.9	
VMSE B 25M	VMSE B 25			6	577	21.5				19.9	
VMSE B 30M	VMSE B 30			7	652	27.2				23.2	



#### RANGE OF PERFORMANCE

Maximum flow rate 120 l/min (7.2 m<sup>3</sup>/h)

Head up to 105 m

#### LIMITS OF USE

Manometric suction lift up to 7 m

Liquid temperature up to + 40°C

#### INSTALLATION AND USE

They are recommended for pumping clean water and liquids that are chemically non aggressive to the materials from which the pump is made.

**THEIR RELIABILITY AND QUIET RUNNING MAKE THEM SUITABLE FOR DOMESTIC AND CIVIL APPLICATIONS AND, BECAUSE THE PUMP IS FULLY SUBMERSIBLE WITH THE MOTOR COOLED BY THE PUMPED LIQUID, IT CAN BE USED SAFELY IN WET AREAS AND IN SPACES WITH INSUFFICIENT VENTILATION. THE ENCLOSED DESIGN ALSO ELIMINATES THE POSSIBILITY OF WATER ESCAPING AS A RESULT OF SEAL FAILURE, MAKING IT SUITABLE FOR USE IN CARPETED OR OTHER DELICATE ENVIRONMENTS.**

**GUARANTEE 2 YEARS** subject to our general terms of sale.

#### CONSTRUCTION CHARACTERISTICS

- **OUTER CASE AND MOTOR SUPPORT:** stainless steel AISI 304, case with threaded ports ISO 228-1.

- **IMPELLERS AND DIFFUSERS:** technopolymer.
- **DIAPHRAGMS:** stainless steel AISI 304, complete with anti-wear rings.
- **MOTOR SHAFT:** stainless steel EN 10088-3 - 1.4104.
- **DOUBLE SEAL:** mechanical seal silicon carbide-ceramic-NBR, with oil barrier chamber and inner lip seal to protect the seal in the event of dry running.
- **SCREWS:** stainless steel AISI 304.
- **MOTOR:** electric, asynchronous for continuous duty.
- **VMSE B M:** single-phase 220÷240V - 50 Hz with thermal overload protector built into windings below 1.5 kW. The 1.8 kW motor has an external overload protector (with manual reset) incorporated into the control box.
- **VMSE B:** three-phase 380÷415 V-50Hz.
- **INSULATION:** class F.
- **PROTECTION:** IP 68.

#### STANDARD FEATURES:

**VMSE B M:** (single-phase)

- 2 m power cable type "H07 RN-F" with removable connector.
- Control box with capacitor and Schuko plug.

**VMSE B:** (three-phase)

- 2 m power cable type "H07 RN-F" with removable connector.

#### OPTIONS ON REQUEST

⇒ other voltages or frequency 60 Hz



#### CONSTRUCTION AND SAFETY STANDARDS

EN 60 335-1

EN 60034-1

IEC 335-1

IEC 34-1

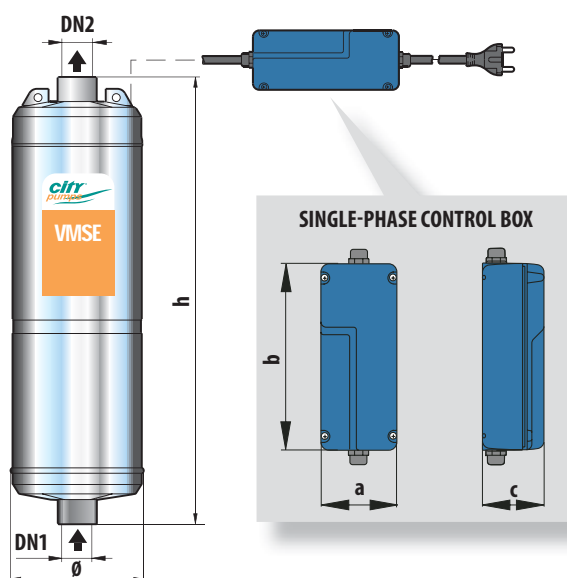
CEI 61-150

CEI 2-3



## DIMENSIONS

#### Vertical installation



#### Horizontal installation

