

# MB 120



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**DEBEM**  
MADE IN ITALY

## HORIZONTAL CENTRIFUGAL PUMPS

Product designed and constructed in Italy

Constructed in polypropylene or PVDF

Under head use

Weld-free

Usable with fluids containing suspended solids

Extremely easy to maintain

Suitable for continuous use

Available with:

- Mechanical bellows seal (new generation "Self-locking" system)

Aisi 304 spring - Seal ring in SILICON CARBIDE + CERAMIC / SILICON CARBIDE + SILICON CARBIDE

- Lip seal: VITON® or EPDM



## MB PUMPS CODES ENCODING

ex. MB080--P-TLVN

MB 80 PP, Viton® lip seal, three-phase motor.

MB80	P	TLV	N
PUMP MODEL	PUMP PUMP	TYPE OF SEAL	MOTOR
MB 80 - MB 80 MB 100 - MB 100 MB 110 - MB 110 MB 120 - MB 120 MB 130 - MB 130 MB 140 - MB 140 MB 150 - MB 150 MB 155 - MB 155 MB 160 - MB 160 MB 180 - MB 180	P - Polypropylene FC - PVDF+CF	TLV - Viton® lip seal TLD - EPDM lip seal TSV - Viton® bellows seal TSD - EPDM bellows seal	N* - Three-phase motor M - Single-phase motor A - ATEX motor



UNDER HEAD USE

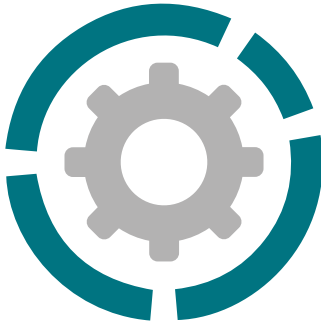
\* Three-phase asynchronous eurotension motor fitted as standard (2 poles) 50Hz

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## HORIZONTAL CENTRIFUGAL PUMPS



### Specifications and types



Suction fittings	G 2" m or DN 50
Delivery fittings	G 1 1/2 m or DN 40
Max flow rate	25 m <sup>3</sup> /h
Max head	15 m
Viscosity up to	500 cps
Standard open impeller	Ø 120 mm H 8 mm *
Passing solids	Ø max 6 mm

\* Special versions are available on request for the fluid pumped

PP



#### Pump casing construction material, operating temperature and net weight

Polypropylene (with glass additive)	3.8 Kg*
	Max 3°C min.
	65°C max

PVDF (with carbon additive)	4.9 Kg*
	Max 3°C min.
	95°C max

\* The weights refer to the pump without the motor

#### Standard electric motor:

Kw	1.5
HP	2
Box	B3 + B5
RPM	2900
THREE-PHASE 230/400 V	
50/60 Hz	
2 poles	
Efficiency class	IE3
IP55 protection rating	
Ambient temperature -30°C + 45°C	
Aluminium/Cast iron	
SINGLE-PHASE	on request
ATEX	on request

PVDF



#### MAIN APPLICATION SECTORS



AUTOMOTIVE



CHEMICAL INDUSTRY



WATER AND SLUDGE  
TREATMENT



GALVANIC AND ELECTRONIC  
INDUSTRY

#### Seal o-ring materials:

- EPDM
- VITON®

#### Package:

- **wooden crate, dimension cm 58x28x42, weight 10 kg**  
(the weights and dimensions vary based on the length of the pump)

#### Accessories

##### FLANGE KIT (DIN standard - ANSI available on request):

- KITFLANGMB120P (POLYPROPYLENE)
- KITFLANGMB120F (PVDF)

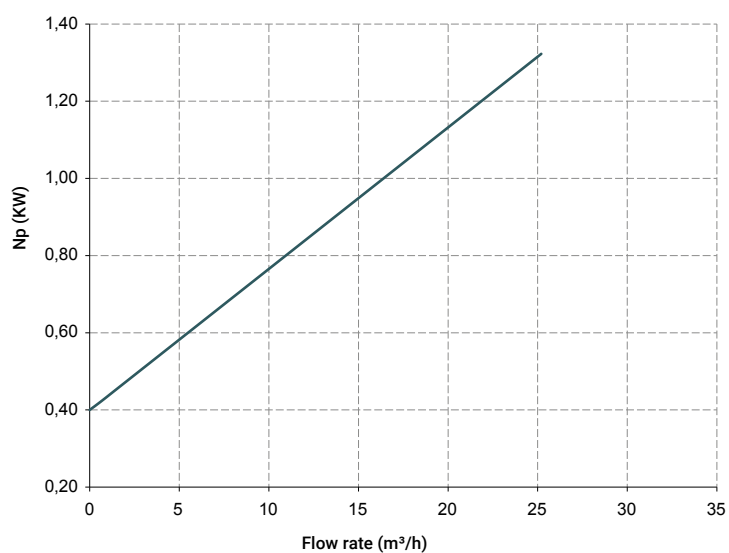
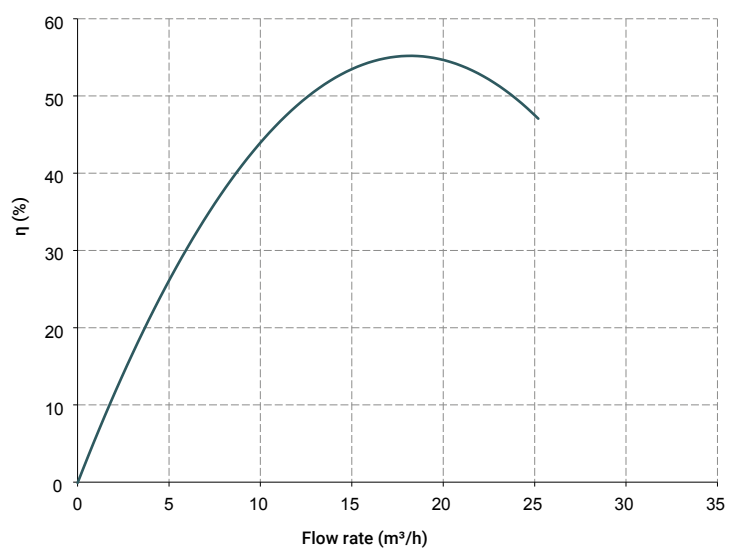
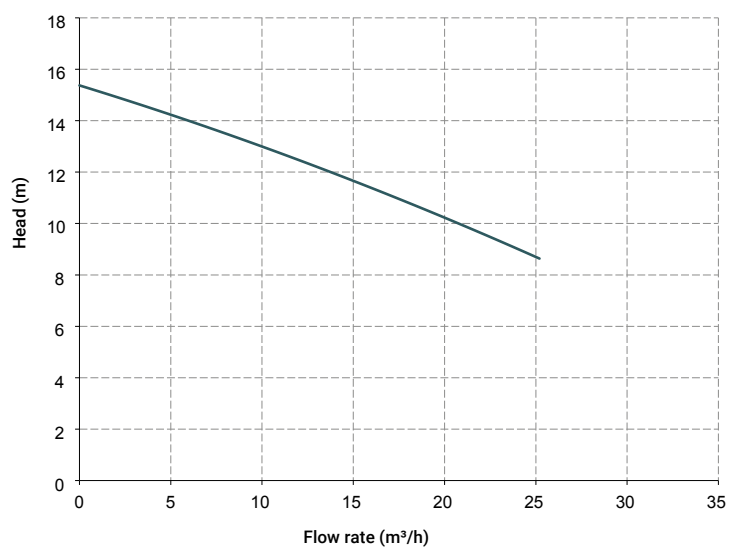
Polypropylene or PVDF basket strainers

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HORIZONTAL CENTRIFUGAL PUMPS



## Specifications and types



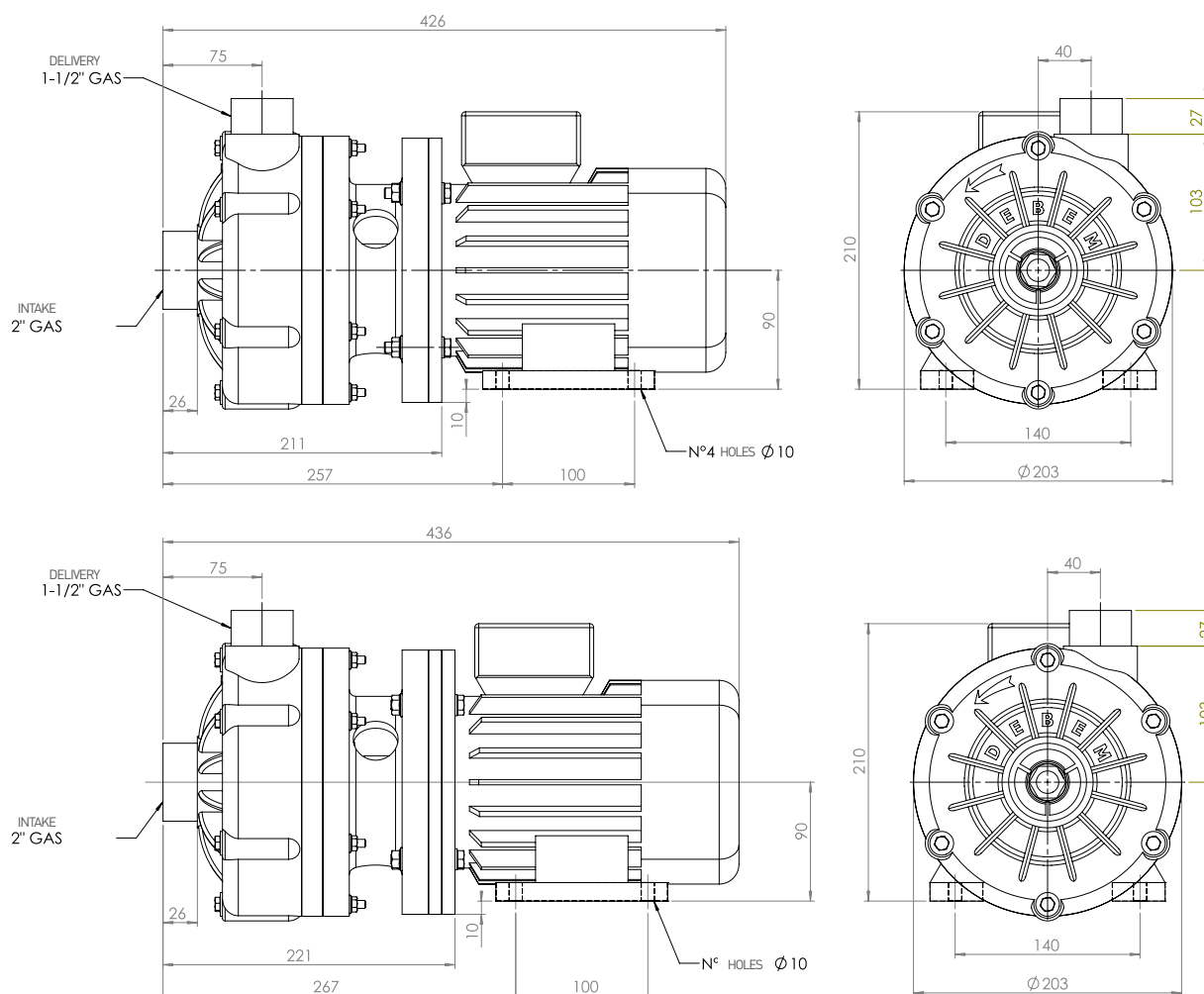
The curves and the performances refer to pumps with open delivery outlet, with water at 20°C, 50 Hz two-pole motor [2900 RPM].

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## Specifications and types



TL = lip seal



TS = bellows seal

