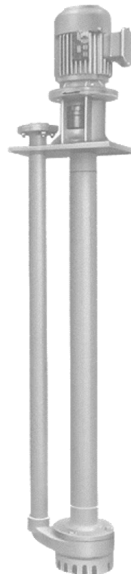


BROCHURE W SERIES

BIRAGHI POMPE 1906



- ITALIAN QUALITY
- SINCE 1906

Vertical Centrifugal Process Pumps with channel Impeller

2025



W SERIES—BIRAGHI POMPE 1906

W PROCESS PUMP

Pumps of this series are suitable to convey, according to their size, dirty liquids or sewage even containing suspended solid matters.

Maximum allowable centre-line length is 4 M, the centre-line is the distance between the lower surface of the support plate and the threaded counter-flange end of the suction nozzle.

The different types of supporting are:

- ⇒ S – single supporting, journal and thrust ball bearing in the motor lantern. For centre-line up to 1,5 M
- ⇒ S/1 - double supporting, ball bearing in the motor lantern, one grease lubricated intermediate support
- ⇒ S/2 – triple supporting, ball bearing in the motor lantern, two grease lubricated intermediate supports, for centre-line up to 4 M

The axial suction nozzle is turned downwards and it is fitted with threaded counterflange, the vertical discharge nozzle is turned upward and it is provided with a piece of iron discharge pipe with threaded counterflange. Drive is direct through flexible coupling by electric or endothermic engine (4 strokes, Diesel etc.) provided with a square reduction unit with shaft projection turned downwards.



W SERIES—BIRAGHI POMPE 1906

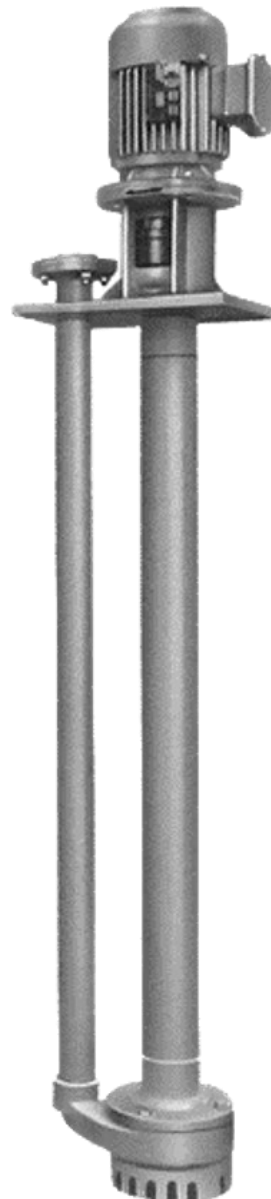
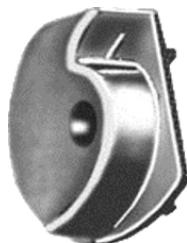
APPLICATION

To convey thick liquids:

- ⇒ Sewage
- ⇒ Slush
- ⇒ Drains
- ⇒ And every liquids containing suspended solid matters having a maximum diameter up to 30 mm

SPECIAL EXECUTION

- ⇒ BR – all parts contacting the liquid in bronze alloy, shaft in stainless steel, shaft housing in bronze or in stainless steel
- ⇒ BRA – all parts contacting the liquid in acid resistant bronze, shaft in stainless steel, shaft housing in acid resistant bronze or in stainless steel
- ⇒ X – all parts contacting the liquid in stainless steel



MATERIALS

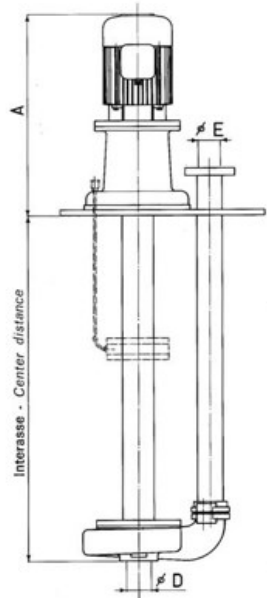
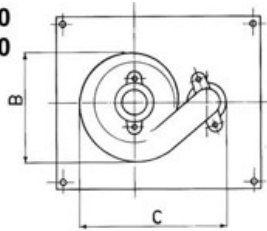
- ⇒ Pump volute casing (provided with inspection and cleaning door) in cast iron
- ⇒ Impeller in hardened cast iron
- ⇒ Vertical drive shaft in C40 steel
- ⇒ Shaft housing in cast iron for centre-line of 1 M and in weld steel for centre-line exceeding 1 M
- ⇒ Motor lantern in cast iron
- ⇒ Support and anchor plate in cast iron
- ⇒ Discharge pipe piece in steel

Capacitiy	to 66 m ³ /hr
Head	to 15 m
Max working pressure	to bar
Temperature	to 100 C°

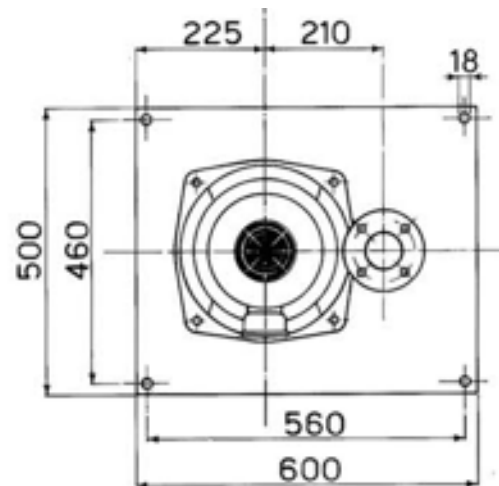
W SERIES—BIRAGHI POMPE 1906

Overall Sizes

W 60
W 80



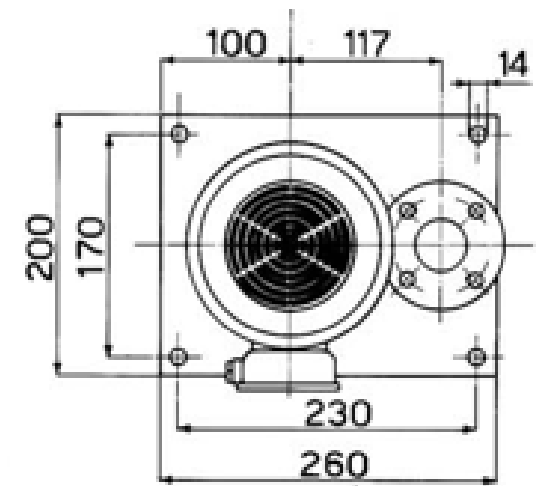
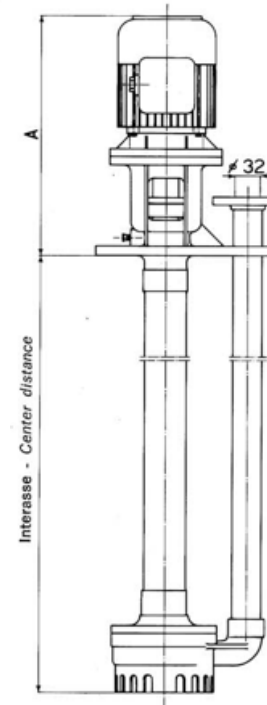
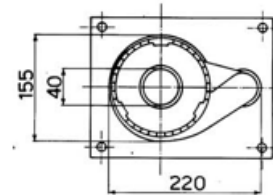
modello model	motore motor	Dimensioni in mm (non impegnative) Sizes in mm (not engaging)				
		A	B	C	D	E
W 60/5	CV 1	520	320	430	75	65
W 60/5	CV 3	580	*	*	*	*
W 60/9	CV 1,5	550	*	*	*	*
W 60/9	CV 4	620	*	*	*	*
W 80	CV 0,75	490	330	440	85	80
W 80	CV 2	550	*	*	*	*



modello model	motore motor	Dimensione A in mm (non impegnativa) Size A in mm (not engaging)
W 35	CV 0,35 CV 0,75	360

N. 212/1
4 - 1989

W 35



Biraghi Pompe 1906 Plants



NIGERIA



UAE



ITALY



Biraghi
POMPE1906

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