B30-180 Diesel Driven

Self-Priming High Head Centrifugal Pump

Max. 32 m^3/hour, Max. 39 mwc

Pump specifications:

Type	B30-180
Max. flow	32 m^3/hour (140 US GPM)
Max. pressure	39 mwc (129 ft.)
Connections	See page “auxiliary items”
Solids handling	12 mm (0.45")
Impeller type	Semi-open impeller
Engine	Hatz 1B40
Emission standard	Stage V
Starter	Manual start
Frame	Wheelbarrow frame
Dry weight	Approx. 110 kg (242 lbs)

FEATURES

B self-priming centrifugal pump

The B range of pumps has been designed with a clear focus on reliability, efficiency and durability, ranging from 1-1/2" to 12". Featuring an open impeller configuration in combination with a changeable wear plate, facilitating servicing and minimising costs of spares. All B series pumps are fitted with a non return valve in the suction port, eliminating the need for a foot valve in suction line and allowing quick priming.

Complete package designed & built by BBA Pumps

- Complete in-house design & production
- Over 60 years of experience in the market
- Extensive testing facility in-house
- Contemporary & functional design
- Durable & eco-friendly materials
- Custom builds available

Design features

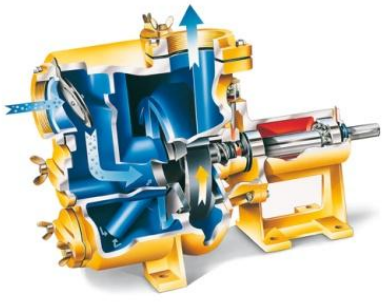
- Basic, reliable technology
- Large solids handling capacity
- Suitable for use with hot fluids
- Wet self-priming
- Cooled shaft seal

After sales service & product support

- Single supplier for parts, spares & accessories
- Dedicated customer help-desk (24h service)
- Dedicated service department in-house
- Global parts distribution network
- Optional global on-site servicing
- Extensive training options available (technical & commercial), on-site or in-house

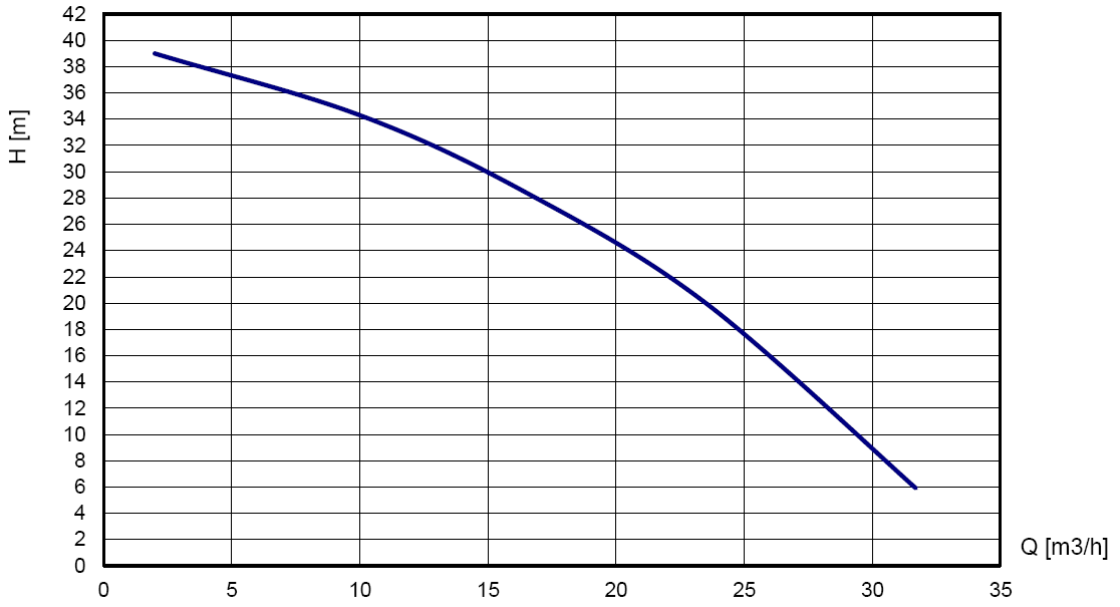
Possible applications

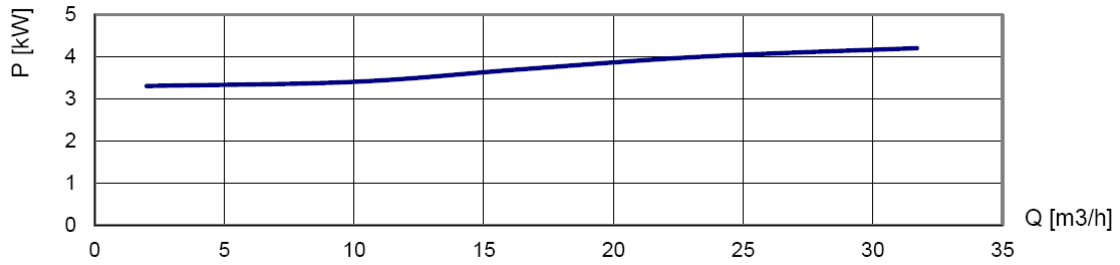
- Shipping
- Industry
- Construction
- Waste water management
- Emergency pump units
- Irrigation
- Agriculture

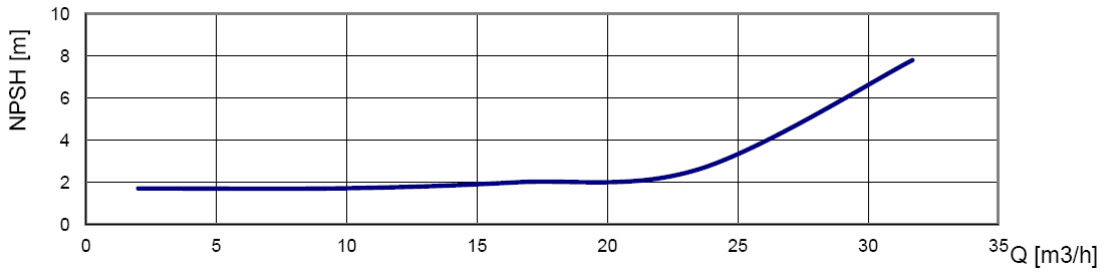


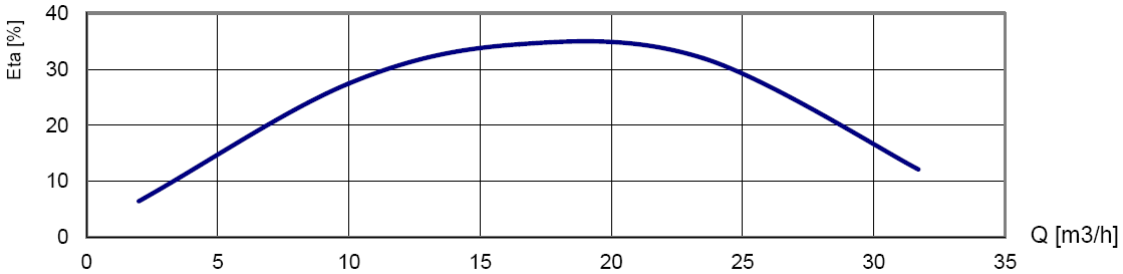
PERFORMANCE CURVES (3000 RPM)

Continuous duty according ISO 9906









STANDARD TECHNICAL SPECIFICATIONS

BBA self priming pump

Pump type	B30-180
Max. flow	32 m^3/hour (140 US GPM)
Max. head	39 mwc (129 feet)
Impeller type	Semi-open impeller
Solids handling	12 mm (0.45 inch)
Pump casing	Cast iron GG20
Impeller	Cast iron GG20
Wear plate	Cast iron GG20
Pump shaft	C45
Shaft seal	Mechanical seal
O-ring	Viton

Engine

Engine brand	Hatz
Engine type	1B40
Flywheel power	6.8 kW (9.2 Hp)
Max. engine speed	3000 RPM
Fuel consumption	270 g/kWh
Displacement	0.462 l
Number of cylinders	1
Cooling system	Air cooled
Starter	Recoil-start
Exhaust emission	Stage V

Frame

Frame type	Wheelbarrow
Material	Galvanized
Fuel tank	Hatz standard tank approx. 5 L
Connections	Please consult “auxiliary items” overleaf
Tires	2 rubber tires

AUXILIARY ITEMS

Discharge connections

Art.nr.	Description	
23266	Bend 90°, galvanized, with Storz NA66 coupling	
23267	Bend 90°, galvanized, with Storz NA81 coupling	
23270	Bend 90°, galvanized, with Storz NA66 coupling and gate valve	
23271	Bend 90°, galvanized, with Storz NA81 coupling and gate valve	
23268	Bend 90°, galvanized, with 2" male (ball) System C quick coupling	
23269	Bend 90°, galvanized, with 2" male (ball/lever) System B quick coupling	
23272	Bend 90°, galvanized, with 2" male (ball) System C quick coupling and gate valve	
23274	Bend 90°, galvanized, with 2" male (ball/lever) System B coupling and gate valve	

Suction connections

Art.nr.	Description	
3101220	2" quick coupling male (ball), System C, galvanized	
3601446	2" quick coupling female (cup), System B, galvanized	
3101210	2" quick coupling female (cup/lever), System C, galvanized	
3601440	2" quick coupling male (ball/lever), System B, galvanized	
3101237	3" quick coupling male (ball), System C, galvanized	
23284	3" quick coupling female (cup), System B, galvanized	
23283	3" quick coupling female (cup/lever), System C, galvanized	
23285	3" quick coupling male (ball/lever), System B, galvanized	
23286	4" quick coupling male (ball), System C, galvanized	
23288	4" quick coupling female (cup), System B, galvanized	
23287	4" quick coupling female (cup/lever), System C, galvanized	
23289	4" quick coupling male (ball/lever), System B, galvanized	