BA55E Diesel Driven
High Head Clear Liquid Pump
Max. 70 m^3/hour, Max. 45 mwc

Pump specifications:

Type	BA55E D220
Max. flow	70 m^3/hour (308 US gpm)
Max. pressure	45 mwc (149 ft.)
Solids handling	9 mm (0.35")
Impeller type	Semi-open impeller
Priming system	BBA MP50
Engine	Hatz 1D90E
Emission standard	Stage V
Canopy	L9-15
Discharge x suction	2" x 3" quick couplings
Sound level L_{PA}	61 dB(A) at 10 m
Dry weight	895 kg (1970 lbs.)

FEATURES

BA auto prime pump
The BA range of pumps has been designed with a clear focus on reliability, efficiency and durability. Featuring a 100% mechanical priming system, the BA series pumps quickly prime and re-prime, even from dry conditions. The heavy build style of both pump and canopy make the BA range perfect for use in the strenuous contractor market.

World-class performance
The BA range is built to be deployed on the most demanding dewatering and sewage bypassing applications. Using high efficiency pumps and state-of-the-art diesel engines, the pumps offer maximum performance at minimal cost, fully in-sync with the company philosophy of “Lowest cost of ownership”.

Sustainability
- High efficiency pumps minimising fuel consumption
- Corrosion free hot dip galvanized canopy
- Corrosion free composite door panels
- 100% Oil-spill free priming system
- Fully bunded unit eliminating fuel/oil spills at all times

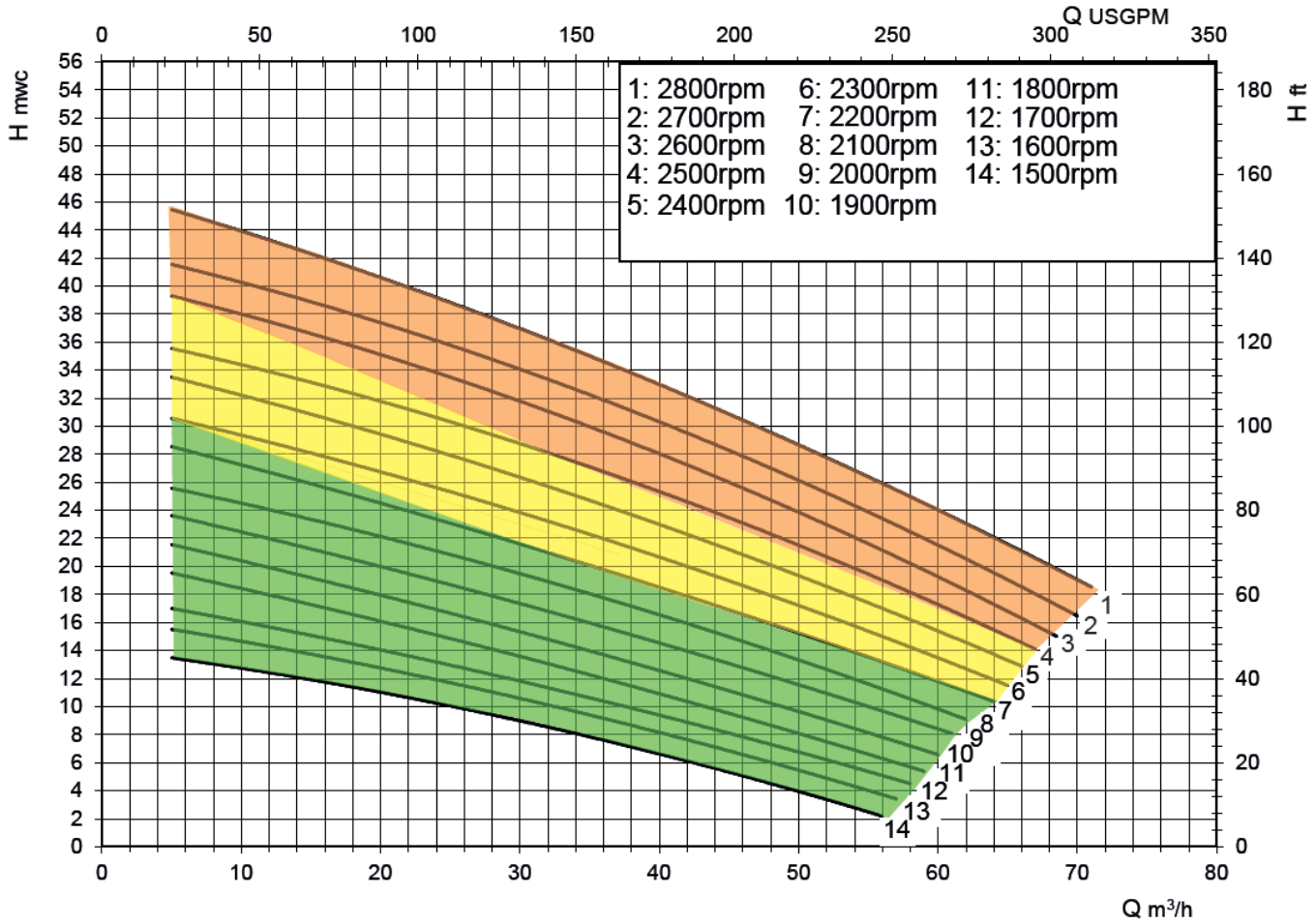
Complete package designed & built by BBA Pumps
- Complete in-house design & production
- Over 70 years of experience in the market
- Extensive testing facility in-house
- Contemporary & functional design
- Durable & eco-friendly materials
- Custom builds available

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

Remote control is included

PERFORMANCE CURVES

Continuous duty according to ISO 9906



Restricted use at maximum 30°C / 86°F:
Maximum 30 minutes on - 10 minutes off

Restricted use at maximum 30°C / 86°F:
Maximum 1 hour on -10 minutes off

Unlimited use 24/7 at maximum 30°C / 86°F

Maximum running time at full load is 30 minutes continuously, then turn off the pump for 10 minutes (at 30 °C).

STANDARD TECHNICAL SPECIFICATIONS

BBA Pumps auto prime pump

Pump type	BA55E D220
Max. flow	70 m³/hour (308 US gpm)
Max. head	45 mwc (149 feet)
Impeller type	Semi-open impeller
Solids handling	9 mm (0.35 inch)
Pump casing	St. 37 galvanized
Impeller	Stainless steel 316
Wear plate	Stainless steel 316
Pump shaft	42CrMo4 heat treated
Shaft seal	Mechanical seal
Seal faces	Tung/Tung
Seal rubber	Viton

BBA Pumps priming system

Pump type	MP50 diaphragm pump
Air handling capacity	50 m³/h (30 CFM)
Max. vacuum	8,5 m (25 inHg)
Drive	Toothed belt (continuous drive)
Float box	St. 37 galvanized
Float	Stainless steel
Non return valve	Cast iron GG25

Engine

Engine brand	Hatz
Engine type	1D90E with E1 technology
Power	10,5 kW (14 Hp)
Engine speed	1500 - 2800 RPM
Fuel consumption	280 g/kWh
Displacement	0,722 l
Cooling system	Air cooled
Starting method	Electric start/stop
Emission level	Stage V

BBA dashboard LC40
- Auto start/stop system
- Key switch
- Rpm. control with push buttons
- Warning lights
- 4.3" LCD-display

The LCD-monitor displays additional engine data,
e.g. actual engine speed, working hours, battery voltage,
fuel consumption and failures in clear text (Multilanguage support)

Fuel system
- Composite fuel tank 120 Litres (32 US Gallon)
- Fuel tank cap Ø 60 mm (2,5 inch)
- Electronic fuel injection system

Electrical system & safety features
- Nominal voltage 12 Volt
- Premium quality battery
- Low oil pressure shut down

PUMPS FROM HOLLAND

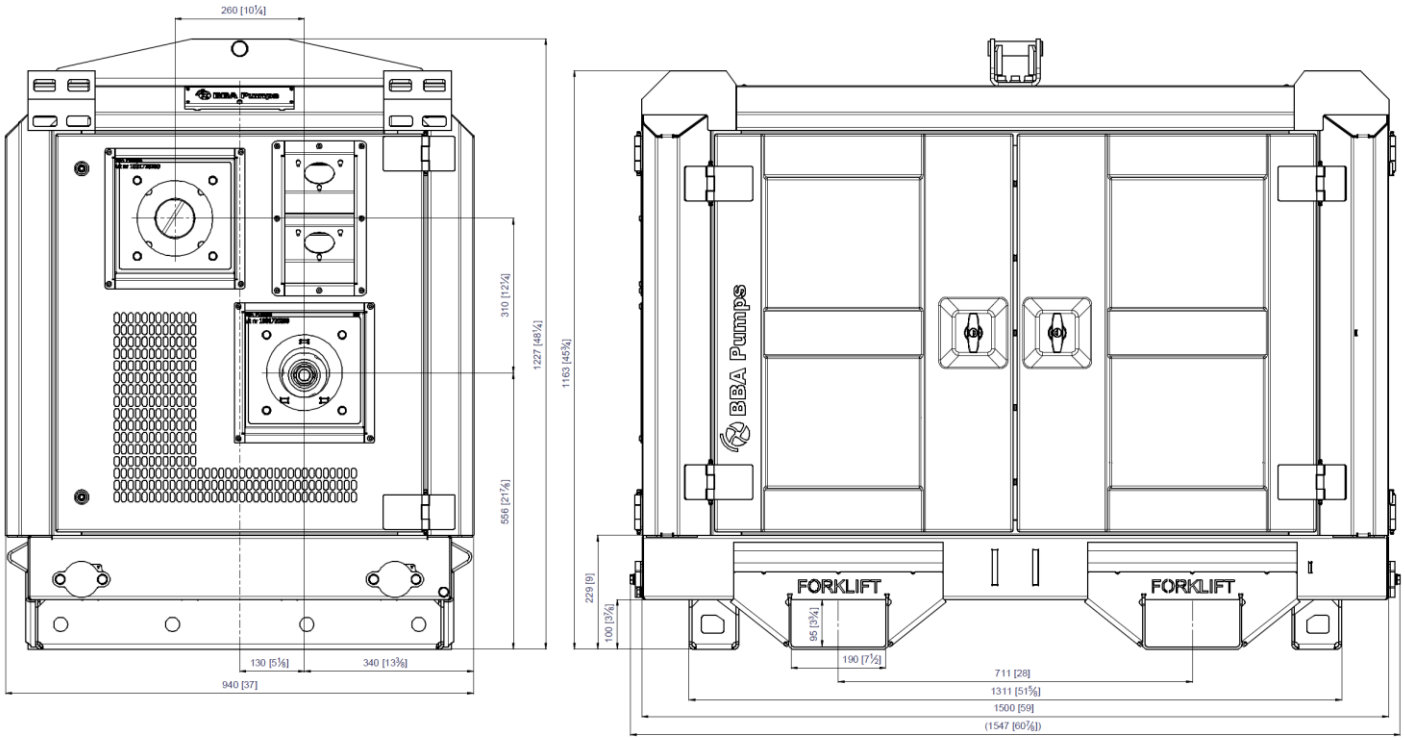
CANOPY L9-15

BBA Pumps canopy

Canopy type	L9-15
Dimensions L x W x H	1500 x 940 x 1228 mm
Dimensions L x W x H	59 x 37 x 48,3 inch
Basic frame	Hot dip galvanized
Doors	6 easy-access doors (lockable)
Fuel tank	Composite net 120 ltr (32 US Gallon)
Fuel tank autonomy	30 hours (at 3000 1/min)
Fuel tank cap	60 mm (2,5 inch)
Lifting point	Fitted with single lifting point
Forklift pockets	Fitted with 2 forklift pockets
Connections	Please consult “auxiliary items”
Exhaust system	Fully integrated in canopy
Sound power level (L_{WA})	90 dB(A) at 2900 1/min according to ISO 3744:2010
Documentation box	BBA user manual and warranty book

BBA Pumps E-lift© system

The L9-15 canopy has been fitted with the BBA E-lift© system. By removing the roof panel, the pump and diesel engine as a whole can be removed from the canopy effortlessly allowing easy preventative maintenance on the pump and diesel engine. In addition, as the canopy is not fitted with padding or insulation materials, it can be cleaned quickly using a pressure washer.



Actual dimensions (in mm and inches) may vary depending on selected quick couplings.

BBA Pumps

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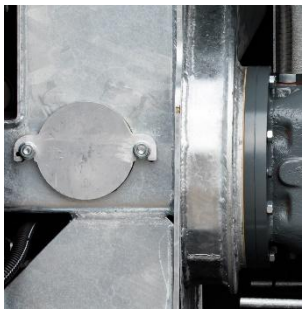
Remote control
The remote control is designed to control mobile pumps with variable speed engine. The safety lamp on the roof is part of the delivery.

Priming system
Diaphragm pump, air-cooled, water-resistant and oil-spillage free.
Air capacity of 50 m^3 per hour.

Fuel tank
Fully bunded, corrosion-free, 120-liter, high-density polyethylene (HDPE) fuel tank.



Large inspection covers
Easy access to float box, impeller and non-return valve.

Safety
Extremely durable and lockable T-locks offering perfect grip.

4-year limited warranty
The BBA Pumps limited warranty covers years or operating hours whichever occurs first. For more details please consult the warranty book.

Pictures used are for illustration purposes only.

PUMPS FROM HOLLAND