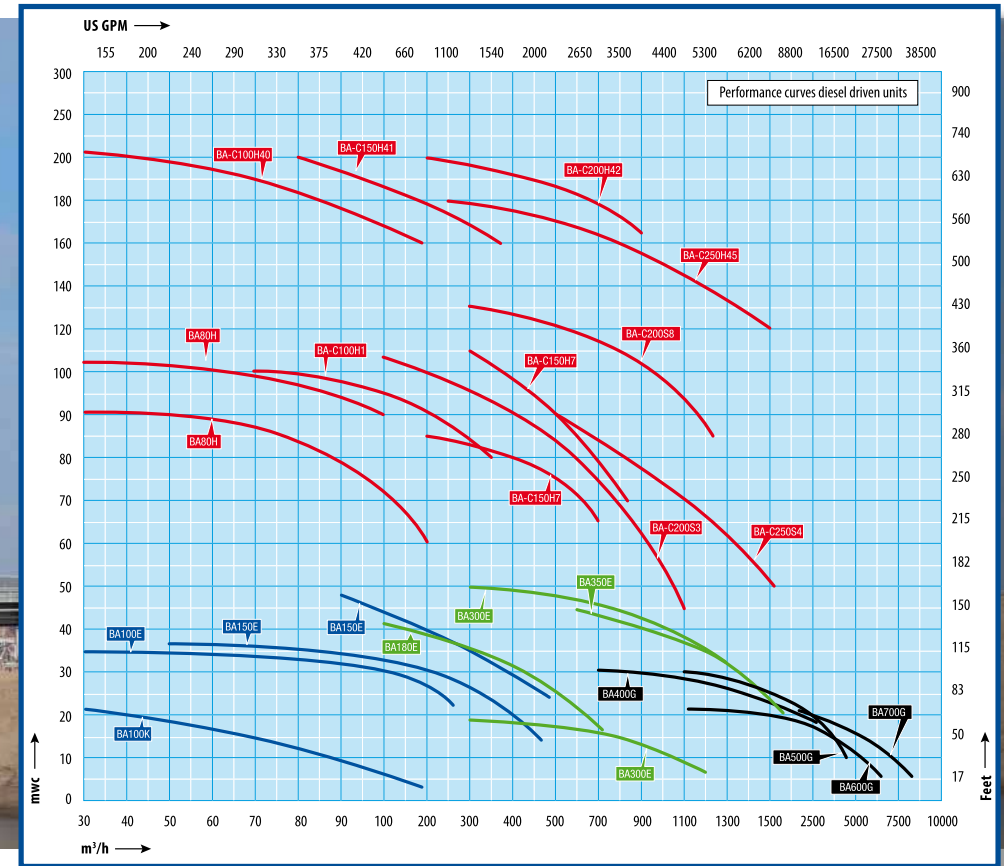


Auto Prime Pumps



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World-Class Performance

The BA auto prime pumps have 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.

The Heart of the Matter

Impeller

A selection of high efficiency impellers are available for the BA range. By using high grade steel (42CrMo4) the pumps can be used for corrosive or abrasive fluids.



Wearplate

The wear plate used in conjunction with the E-style impeller is fitted with self-cleaning cutter slots. It is easy to adjust from the outside to ensure maximum pump efficiency at all times.



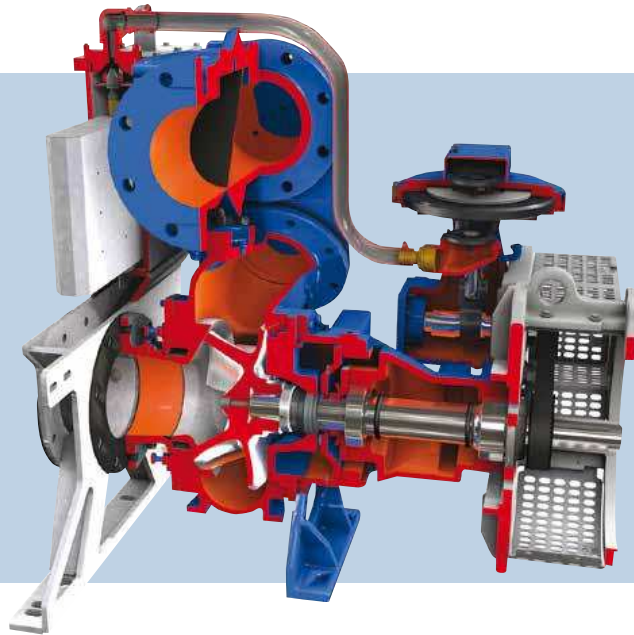
Reliable vacuum pump

MP series diaphragm pump. Air-cooled, water resistant and 100% oil-spill free offering air handling capacities of 50 m³/h or 100 m³/h.



Discharge check valve

The worry-free BBA Pumps check valve creates perfect sealing during the priming process. The integrated large inspection cover ensures easy access to all main areas.



After starting the unit, the vacuum pump starts priming air out of the suction line. A non-return valve shuts off the discharge side. As soon as the pump is primed, the float closes the vacuum pump connection and the centrifugal pump starts pumping liquid.

Oil chamber and pressure relief chamber

The large oil chamber offers optimal seal cooling allowing dry running or snoring.

The pressure relief chamber prevents fluids from entering the bearing block at all times.



Easy inspection

All inspection points, draining points and filler plugs are easily accessible and situated on one side of the pump as much as possible.



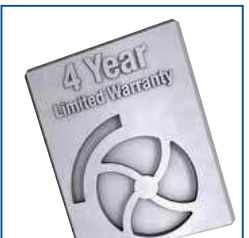
Interchangeable parts

The modular design of the BA series minimises parts requirement thereby lowering stock keeping costs and facilitating easy maintenance.



4 Year limited warranty

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



BA Series

Diesel Driven Dewatering and Sewage Pump 190 m³/h



With its maximum capacity of 190 m³/h, and 82 mm free solids passage, the BA100K D193 has been one of the most popular models in the BA series since its introduction. With its compact, super silent canopy, it can be deployed practically anywhere. The economical single-cylinder diesel engine with DriveOn® technology ensures **maintenance intervals of up to 1500 running hours**.

Model	Pump			Drive			Unit		Stock model
	Flow m³/h	Head m	ø mm	Brand	Power kW	Speed rpm	Sound attenuated	Open diesel	
BA100K D193	190	22	82	Hatz	6,5	1700	M10-18	-	<input checked="" type="checkbox"/>



DriveOn® Technology



Optional DPF/DOC

BA Series

Diesel Driven Dewatering and Sewage Pumps 265 m³/h - 490 m³/h

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”.



Model	Pump			Drive			Unit		Stock model
	Flow m³/h	Head m	ø mm	Brand	Power kW	Speed rpm	Sound attenuated	Open diesel	
BA100E D265	265	35	80	Perkins	25	1800	M10-23	BF10-23	
BA150E D285	475	35	80	Perkins	35	1750	M10-23	BF10-23	<input checked="" type="checkbox"/>
BA150E D285	490	48	80	Perkins	55	2100	M10-25	-	

BA Series

Diesel Driven Dewatering and Sewage Pumps 570 m³/h - 1750 m³/h



These 8" and 12" solids handling units are mainly used as temporary sewer bypass pumps and in flood prevention. The pumps have a high capacity in proportion to their compact size and any noise disturbance for local residents is kept to a minimum due to the super silent canopy.

Model	Pump			Drive			Unit		Stock model
	Flow m³/h	Head m	ø mm	Brand	Power kW	Speed rpm	Sound attenuated	Open diesel	
BA180E D270	570	27	80	Hatz	50	1900	M10-25	BS12-23	<input checked="" type="checkbox"/>
BA180E D315	720	41	80	Perkins	60	1900	M10-25	BS12-23	<input checked="" type="checkbox"/>
BA300E D328	1250	19	105	Perkins	63	1500	M10-30	on request	<input checked="" type="checkbox"/>
BA300E D388	1450	48	105	Volvo Penta	180	1800	M14-40	on request	
BA350E D388	1750	46	105	Volvo Penta	190	1800	M14-40	on request	



BA180E D315 open diesel



BA300E D328 sound attenuated

BA Series

Diesel Driven High Flow Pumps 2700 m³/h - 7800 m³/h

Within the BA series we carry a range of pumps specifically designed for high flow applications. These pumps commonly find their use in the field of flood protection or for providing additional capacity for pumping stations.



Model	Pump			Drive			Unit	
	Flow m³/h	Head m	ø mm	Brand	Power kW	Speed rpm	Sound attenuated	Open diesel
BA400G D540	2700	31	100	Volvo Penta	190	1800	EL17-45	on request
BA500G D675	4500	26	115	Volvo Penta	250	1800	EL23-58	on request
BA600G D743	6500	22	135	Volvo Penta	260	1800	EL23-58	on request
BA700G D810	7800	23	145	Volvo Penta	350	1800	EL23-58	on request



BA Series

Diesel Driven High Head Pumps 85 mwc - 135 mwc

These multifunctional high head pumping systems – with discharge pressures of up to 13 bar - find their use in general construction markets. Typical applications are underwater excavation, fire fighting, tank cleaning and various other clean water jetting jobs.



Model	Pump			Drive			Unit	
	Flow m³/h	Head m	ø mm	Brand	Power kW	Speed rpm	Sound attenuated	Open diesel
BA80H D290	100	105	25	Hatz	50	2800	M10-25	–
BA80H D315	200	90	25	Perkins	70	2200	M10-25	–
BA-C100H1 D418	345	100	16	Perkins	116	1850	EL17-40	On request
BA-C150H7 D406	700	85	31	Volvo Penta	146	1800	EL17-45	On request
BA-C150H7 D418	850	110	31	Volvo Penta	240	2000	EL17-50	On request
BA-C200H42 D483	800	130	51	Volvo Penta	300	1800	EL23-58	On request
BA-C200S3 D444	1100	107	86	Volvo Penta	210	1800	EL17-45	On request
BA-C200S8 D495	1250	135	62	Volvo Penta	398	1850	EL23-58	On request
BA-C250S4 D444	1600	100	86	Volvo Penta	305	1800	EL23-58	On request



BA Series

Diesel Driven Mining Pumps 150 mwc – 210 mwc

BBA Pumps has developed a bolt-on pump package to cater the mining market niches where there is no need for a complete skid and/or canopy. These units feature the BA pump of your choice coupled to a diesel engine, including the control panel, and mounted on a high quality, galvanized sub-frame. The frames can be customised with lifting bales, protection bars etc. should these be required.



Pump				Drive			Unit	
Model	Flow m³/h	Head m	ø mm	Brand	Power kW	Speed rpm	Sound attenuated	Open diesel
BA-C100H40 D498	180	210	19	Caterpillar	180	2200	On request	Bolt-on
BA-C150H41 D557	370	200	25	Caterpillar	280	1900	On request	Bolt-on
BA-C200H42 D557	900	200	51	Caterpillar	600	1900	–	Bolt-on
BA-C250H45 D610	1500	180	60	Caterpillar	700	1770	–	Bolt-on



Bolt-on pump package

BA Series

Electrically Driven Pumps 110 m³/h - 6500 m³/h



The electrically driven BA pumps are available in many different versions. The table shows a selection of the most common models used primarily for pumping wastewater and sewage. There is an appropriate solution for almost all operating conditions, including high working pressures or where special ATEX certification is required.

Model	Pump			Motor 400V 50Hz			Frame	Canopy
	Flow m³/h	Head m	ø mm	Power kW	Speed rpm	Start-up		
BA80H D275	110	115	25	55	2975	soft starter	BF10-18	L10-23
BA100K D193	130	15	82	5.5	1450	soft starter	BF10-18	L10-23
BA100E D265	260	21	80	15	1470	soft starter	BF10-18	L10-23
BA150E D285	430	24	80	22	1470	soft starter	BF10-18	L10-23
BA180E D328	650	31	80	45	1480	soft starter	BF10-18	L10-23
BA300E D355	1325	22	105	75	1480	DOL	F12-27	M10-30
BA-C400S8 D559	3200	45	114	250	990	DOL	F17-34	-
BA-C500S11 D711	5500	37	127	400	750	DOL	F18-44	-
BA-C600S12 D711	6500	24	133	250	600	DOL	F20-40	-



316 stainless steel







ATEX units EX II 2G IIB T4

BA Series

Dewatering and Sewage Pumps

The table shows a selection of the most common dewatering and sewage pumps.

											
	BA100K D193 4"	BA150E D285 6"	BA180E D315 8"	BA300E D328 12"	BA300E D388 12"	BA350E D388 14"	BA400G D540 16"	BA500G D675 20"	BA600G D743 24"	BA700G D810 28"	
Max. flow	190 m³/h	475 m³/h	720 m³/h	1250 m³/h	1450 m³/h	1750 m³/h	2700 m³/h	4500 m³/h	6500 m³/h	7800 m³/h	Max. flow
Max. head	22 mwc	35 mwc	41 mwc	19 mwc	48 mwc	46 mwc	31 mwc	26 mwc	22 mwc	23 mwc	Max. head
Free passage	82 mm	80 mm	80 mm	120 x 105 mm	120 x 105 mm	120 x 105 mm	100 mm	115 mm	135 mm	145 mm	Free passage
Max. pump speed	1700 rpm	1750 rpm	1900 rpm	1500 rpm	1800 rpm	1800 rpm	970 rpm	740 rpm	620 rpm	590 rpm	Max. pump speed
Operating point (BEP)	120 m³/h @ 11 mwc	300 m³/h @ 25 mwc	450 m³/h @ 30 mwc	800 m³/h @ 15 mwc	1100 m³/h @ 39 mwc	1300 m³/h @ 35 mwc	2400 m³/h @ 24 mwc	3250 m³/h @ 23 mwc	4500 m³/h @ 18 mwc	6000 m³/h @ 17 mwc	Operating point (BEP)
Priming system	50 m³/h	50 m³/h	50 m³/h	100 m³/h	100 m³/h	100 m³/h	100 m³/h	100 m³/h	100 m³/h	100 m³/h	Priming system
Engine	Hatz DriveOn®	Perkins	Perkins	Perkins	Volvo Penta	Volvo Penta	Volvo Penta	Volvo Penta	Volvo Penta	Volvo Penta	Engine
Cylinders	1 cylinder	4 cylinders	4 cylinders	4 cylinders	6 cylinders	6 cylinders	6 cylinders	6 cylinders	6 cylinders	6 cylinders	Cylinders
Max. absorbed power	6,8 kW	35 kW	60 kW	60 kW	180 kW	190 kW	190 kW	250 kW	260 kW	350 kW	Max. absorbed power
Max. fuel consumption	1,8 l/h	9 l/h	15 l/h	17 l/h	50 l/h	53 l/h	53 l/h	65 l/h	70 l/h	90 l/h	Max. fuel consumption
Canopy	M10-18	M10-23	M10-25	M10-30	M14-40	M14-40	EL17-45	EL23-58	EL23-58	EL23-58	Canopy
Sound level LwA at 10 m	53 dB(A)	61 dB(A)	approx. 67 dB(A)	approx. 64 dB(A)	approx. 80 dB(A)	approx. 80 dB(A)	approx. 75 dB(A)	approx. 75 dB(A)	approx. 75 dB(A)	approx. 75 dB(A)	Sound level LwA at 10 m
Dimensions LxWxH (mm)	1800x1050x1596	2270x1050x1533	2500x1050x1680	3600x1050x2160	3950x1450x2417	3950x1450x2417	4500x1700x2080	5830x2306x2300	5830x2306x2300	5830x2306x2300	Dimensions LxWxH (mm)
Fuel tank	220 l	300 l	300 l	300 l	300 l	300 l	300 l	300 l	300 l	300 l	Fuel tank
Net weight without fuel	1450 kg	1600 kg	2090 kg	3420 kg	5250 kg	approx. 5500 kg	approx. 8000 kg	10900 kg	approx. 11000 kg	approx. 12000 kg	Net weight without fuel

BA Series

High Head Pumps

The table shows a selection of the most common high head pumps.

											
	BA80H D290 3"	BA80H D315 3"	BA-C100H1 D418 4"	BA-C150H7 D406 6"	BA-C150H7 D418 6"	BA-C200H42 D483 6"	BA-C200S3 D444 8"	BA-C200S8 D495 8"	BA-C250S4 D444 10"	BA-C250H45 D610 10"	
Max. flow	100 m³/h	200 m³/h	345 m³/h	700 m³/h	850 m³/h	800 m³/h	1100 m³/h	1250 m³/h	1600 m³/h	1500 m³/h	Max. flow
Max. head	105 mwc	90 mwc	100 mwc	85 mwc	110 mwc	130 mwc	107 mwc	135 mwc	100 mwc	180 mwc	Max. head
Free passage	25 mm	25 mm	16 mm	31 mm	31 mm	51 mm	86 mm	62 mm	86 mm	60 mm	Free passage
Max. pump speed	2800 rpm	2200 rpm	1850 rpm	1800 rpm	2000 rpm	1800 rpm	1800 rpm	1850 rpm	1800 rpm	1770 rpm	Max. pump speed
Operating point (BEP)	100 m³/h @ 100 mwc	140 m³/h @ 75 mwc	290 m³/h @ 85 mwc	600 m³/h @ 70 mwc	750 m³/h @ 90 mwc	600 m³/h @ 110 mwc	800 m³/h @ 70 mwc	1000 m³/h @ 100 mwc	1400 m³/h @ 60 mwc	1250 m³/h @ 140 mwc	Operating point (BEP)
Priming system	50 m³/h	50 m³/h	50 m³/h	50 m³/h	50 m³/h	100 m³/h	100 m³/h	100 m³/h	100 m³/h	100 m³/h	Priming system
Engine	Hatz	Perkins	Perkins	Volvo Penta	Volvo Penta	Volvo Penta	Volvo Penta	Volvo Penta	Volvo Penta	Volvo Penta	Engine
Cylinders	4 cylinders	4 cylinders	4 cylinders	6 cylinders	6 cylinders	6 cylinders	6 cylinders	6 cylinders	6 cylinders	6 cylinders	Cylinders
Max. absorbed power	45 kW	60 kW	100 kW	145 kW	240 kW	290 kW	200 kW	370 kW	300 kW	700 kW	Max. absorbed power
Max. fuel consumption	13 l/h	17 l/h	25 l/h	35 l/h	63 l/h	72 l/h	50 l/h	90 l/h	75 l/h	160 l/h	Max. fuel consumption
Canopy	M10-25	M10-25	EL17-40	EL17-45	EL17-50	EL23-58	EL17-45	EL23-58	EL23-58	BF20-45	Canopy
Sound level LwA at 10 m	69 dB(A)	approx. 70 dB(A)	approx. 70 dB(A)	approx. 75 dB(A)	approx. 80 dB(A)	approx. 82 dB(A)	approx. 78 dB(A)	approx. 82 dB(A)	approx. 82 dB(A)	-	Sound level LwA at 10 m
Dimensions LxWxH (mm)	2500x1050x1680	2500x1050x1680	4000x1700x2080	4500x1700x2259	5000x1700x2259	5830x2306x2300	4500x1700x2259	5830x2306x2300	5830x2306x2300	4500x2000x2200	Dimensions LxWxH (mm)
Fuel tank	300 l	300 l	300 l	300 l	300 l	300 l	300 l	300 l	300 l	-	Fuel tank
Net weight without fuel	1900 kg	2000 kg	5000 kg	approx. 6500 kg	approx. 7000 kg	approx. 9500 kg	approx. 6500 kg	approx. 9500 kg	approx. 9500 kg	approx. 6500 kg	Net weight without fuel