

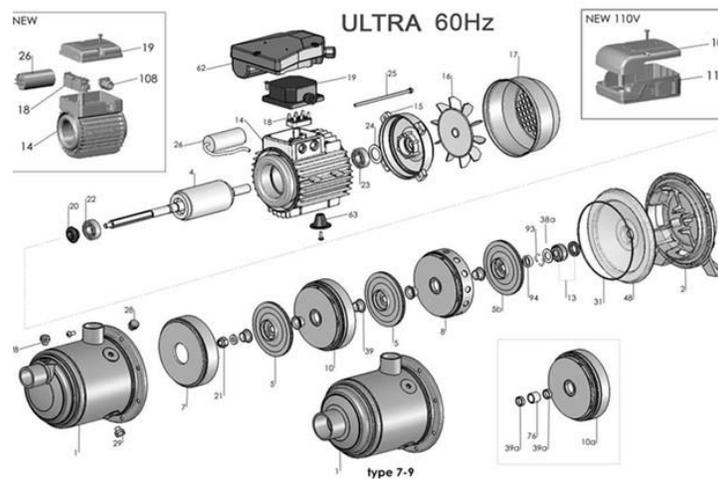


Pump Specification

Pump Series: Residential Booster Systems

Description:

Pump Technical Specification	
Pump Housing (Volute)	Stainless steel
Motor	TEFC
Motor shaft	Stainless steel
Impeller	Stainless steel
Defuser (s) Controller	Stainless Steel optional





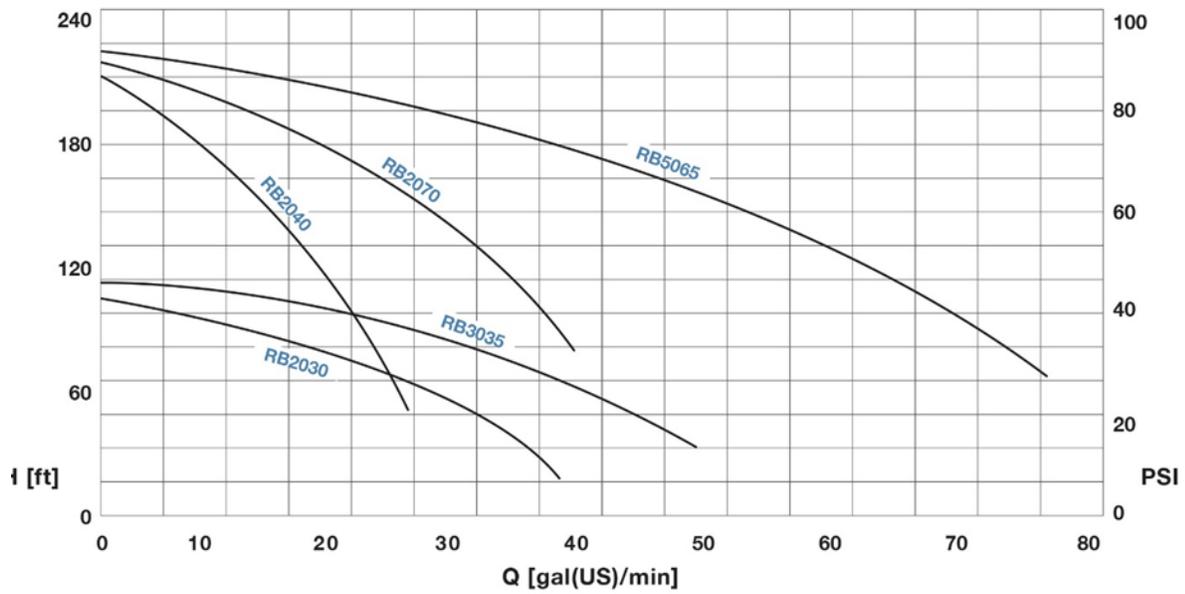
Pump Electrical Specifications												
Model#	Hz:	Voltage:	HP:	Discharge: (MNPT)	Rating use	Tank Require	Discharge size	Low Flow Protect	Wt. (lbs)	LRA	FLA	Cord length
RB2030-U	60	120	.5	1"	Indoor	None	1"	yes	22	4.4	15	10'
RB2040-U	60	120	1	1"	Indoor	None	1-1/4"	yes	28	6	19	10'
RB2070-U	60	120	1.5	1"	Indoor	None	1"	yes	25	8.6	38	10'
RB3035-U	60	220	1	1"	Indoor	none	1-1/4"	yes	63	6.9	25	10'
RB2040-VFD	60	220	1	1"	Indoor	*	1-1/4"	yes	33	11	34	10'
RB5056-VFD	60	220	3.5	1-1/4"	Indoor	*	1-1/4"	yes	70	0	35	10'

*expansion tanks should be sized at a max volume 20% of max usage/flow and pressurized at 5psi below cut-in pressure.



Aqua Pro Pump Systems
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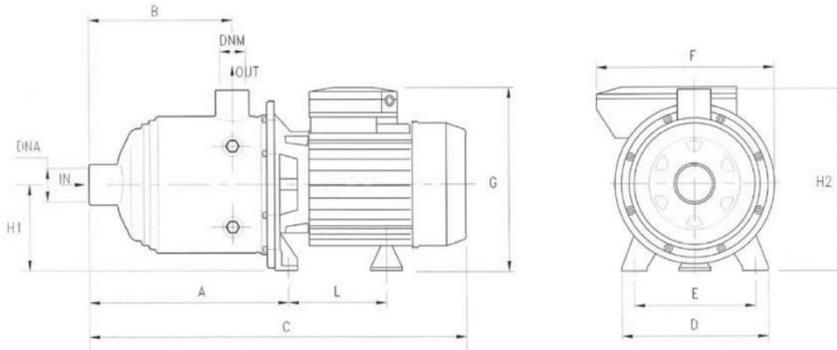
Pump Curve & Max Operating Condition



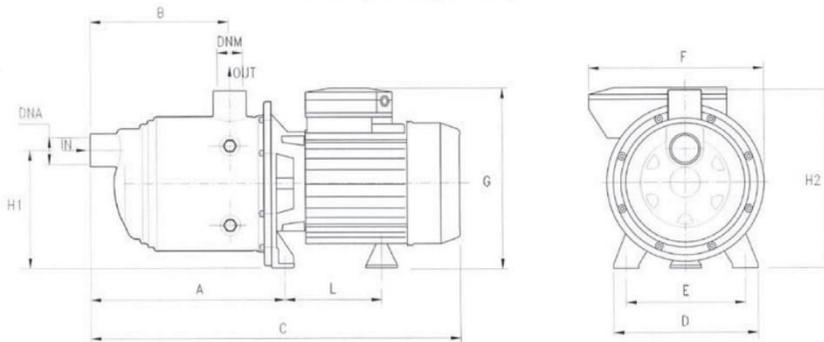
Model #	RB2030-U	RB2040-U	RB2070-U	RB3035-U	RB2040-VFD	RB5056-VFD
GPM	20	20	20	30	20	50
PSI	30	40	70	35	40	56

Pump Dimensions

3035-U & 5065-VFD



2040-VFD/ 2030-U/ 2070-U/ 2040-U



MODEL	DIMENSIONS (inches)										lbs	Suction	Discharge
	A	B	C	D	E	F	G	L	H1	H2			
RB2030-U	6.57	4.06	13.11	6.46	5.51	7.01	7.48	3.69	5.04	7.56	22.93	1"G	1"G
RB2040-U	7.51	5.00	14.96	6.46	5.51	7.01	7.99	4.12	5.04	7.56	26.46	1"G	1"G
RB2070-U	7.51	5.00	16.18	6.46	5.51	7.91	8.31	5.05	5.28	7.80	32.85	1"G	1"G
RB3035-U	6.57	4.06	14.02	6.46	5.51	7.01	7.99	4.12	3.62	7.56	24.69	1"1/4G	1"G
RB5065-VFD	8.50	5.83	18.90	6.46	5.51	7.91	9.02	5.83	4.06	7.99	48.50	1"1/2G	1"1/4G



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Specifications

- **Specified Operation:** Model _____ to perform at ___gpm at __ tdh, ___V/_ph.



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- **Overview:** AE series pumps are designed to be used in effluent applications where solids concentration is low and no larger than 1.3-1.77" respectively.
- **Operating:** AE pumps should always be operated on/in accordance with their hydraulic performance curves and should not be operated under overload conditions (ie: too far to the right side of the respective performance curve).
- **Construction:** Each pump volute, impeller, backing plate, and motor cap is constructed of FC200 (Class 30) cast iron and 304 stainless steel.
- **Motor:** Offered in single phase and three phase each motor is air filled with a dual seal oil filled chamber to protect the motor's electrical components from water intrusion at the liquid end of the pump.
- **Shaft:** Each shaft is made of 420 stainless steel and adequately sized with a 1.3 safety factor for use under maximum pumping volumes.
- **Bearings:** Each motor shaft will rotate on one heavy-duty sealed bearing at the top and bottom of the motor shaft.
- **Seals:** Each pump motor will be protected by a dual seal design with Silicon Carbide /Silicon Carbide seal on the pump side and carbon/ceramic on the motor side.
- **Seal Probe:** Each pump will come with an oil filled seal chamber with ISO VG. Number 32 hydraulic oil and a probe port for an APPS seal failure probe to be installed if required.
- **Power Cable:** Minimum 20' (6M) UL listed (E231992-K) SJO cable will be supplied. Longer cables will be adequately sized based upon UL standards.
- **Volute:** Constructed of FC200 (Class 30) cast iron
- **Impeller:** Non-clog vortex type impeller constructed of FC200 (Class 30) cast iron. 304 stainless steel impellers available upon request.
- **Stand:** Ring style or tri-pod type legs constructed of FC200 (Class 30) cast iron will support the entire pump.
- **Transport:** One each 304 stainless steel handle with a contoured rubber top coating will provide an easily transportable grip.
- **Paint:** Cast iron components will be painted with an epoxy paint that meets ASTM standards.
- **Repair:** Standard repair parts will be stocked domestically for fast shipping.
- **Testing:** Each pump will be tested before being packaged for shipment.
- **Warranty:** Each pump has a 36-month warranty with additional months upon request.