Aqua Pro Pump Systems
a Tomiko Inc. Company

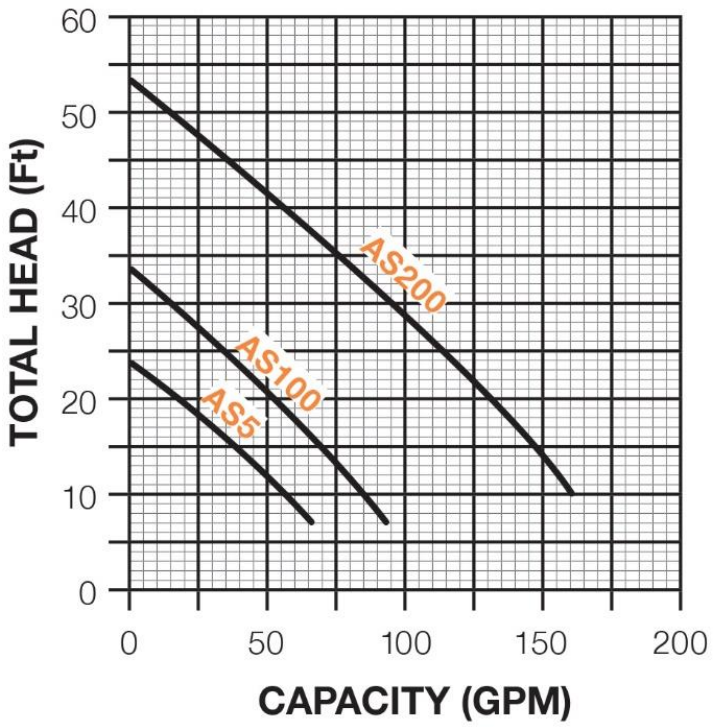
Pump Specification

Pump Series: AS Non-Clog Sewage

Description:

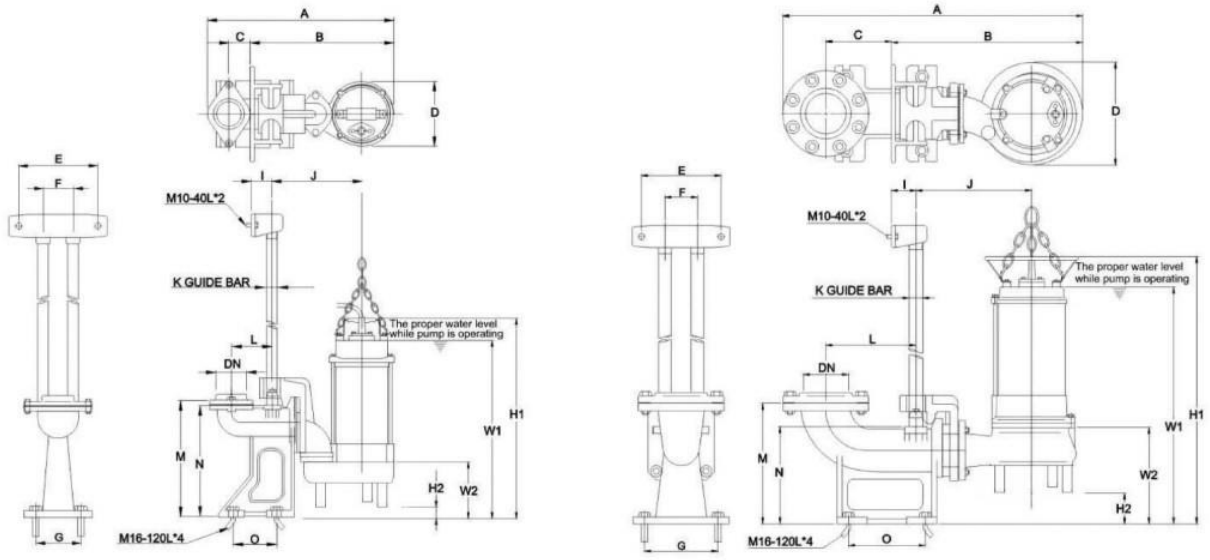
Pump Electrical Specifications												
Model#	Hz:	Voltage:	HP:	Discharge:	Speed	Shutoff	Max Flow & Head	Wt. (lbs)	LRA	FLA	Cord	Cord length
AS5/1	60	115v	0.5	2"	2P/3500	23'	See Max Operating conditions	37	30	6	UL(E231992-k) SJO	20'
AS5/2	60	220v	0.5	2"		23'		37		5		20'
AS5/3	60	230v	0.5	2"		23'		33	30	6		20'
AS5/4	60	460v	0.5	2"		23'		33		2.5		20'
AS100/2	60	220v	1	2"		33'		41	25	5		20'
AS100/3	60	230v	1	2"		33'		41	17.5	3.7		20'
AS100/4	60	480v	1	2"		33'		39	8.5	1.7		20'
AS200/3	60	230v	2	2"		52'		75	32.5	6.5		20'
AS200/4	60	480v	2	2"		52'		75	16.5	3.3		20'

Pump Curve & Max Operating Condition



Model #	AS5/1	AS5/2	AS5/3	AS5/4	AS100/2	AS100/3	AS100/4	AS200/3	AS200/4
GPM	66	66	66	66	93	93	93	160	160
TDH	6.5’	6.5’	6.5’	6.5’	6.5’	6.5’	6.5’	9’	9’

Pump Dimensions



Pump model	DN	A	B	C	D	E	F	G	I	J	K	L	M	N	O	W1	W2	H1	H2
AS5	2”	16.93	13.98	1.57	6.69	7.28	2.76	3.94	1.97	8.66	1	3.54	10.83	10.04	4.72	15.94	7.09	18.11	1.77
AS100	2”	16.39	13.98	1.57	6.69	7.28	2.76	3.94	1.97	8.66	1	3.54	10.83	10.04	4.72	15.94	7.09	18.11	1.77
AS200	3”	25.20	18.11	3.74	8.66	7.28	2.76	5.12	1.97	11.81	1.25	5.71	12.01	10.83	5.12	20.87	7.09	23.03	0.98

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Specifications

- **Specified Operation:** Model _____ to perform at ___gpm at __ tdh, ___V/_ph.
- **Overview:** AE series pumps are designed to be used in effluent applications where solids concentration is low and no larger than 2”-3” 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. Motor is housed in an FC200 cast iron casing.
- **Shaft:** Each shaft is made of 420 stainless steel and adequately sized with a 1.3 or greater 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.
- **Oil Chamber :** Each pump will come with an oil filled seal chamber with ISO VG. Number 32 hydraulic oil.
- **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 base 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 12-month warranty with additional months upon request.