



**Aqua Pro Pump Systems**  
a Tomiko Inc. Company

## Non-Clog Dual Seal Sewage Pumps



### Features & Benefits

APPS non-clog sewage pumps are designed with additional features to extend the life of the pump and offer a maintenance friendly design.

Features include:

#### Non clog design

2" spherical solids passage and recessed vortex impeller design offer improved clogging resistance, and in the event of a jam an object can often times be removed and the pump put back in service.

#### Seal Failure

Dual seal design offers superior protection in all applications. An access port to the oil filled seal chamber allows an optional APPS seal failure probe to be added.

#### Motor housing

Stainless steel air filled motor housing offers improved corrosion resistance, better bearing life and easy maintenance.

#### Volute & Impeller

All cast iron volute and impeller for durability in the harsh environment of sewage applications with a pH of 4.3-12.

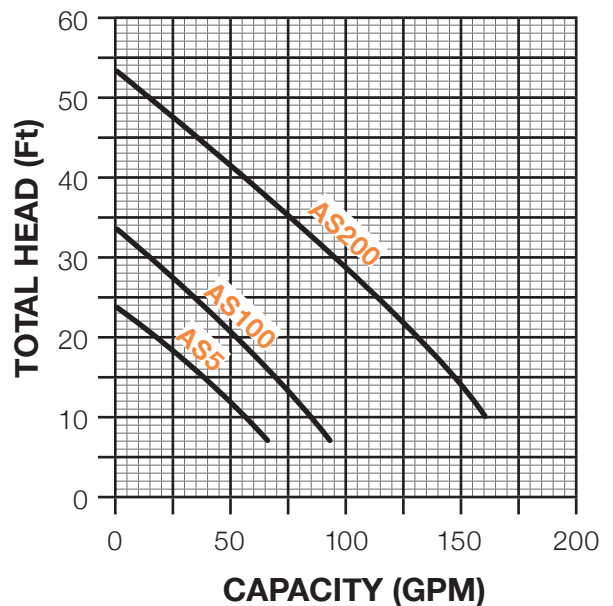
#### Thermally Protected

Built-in motor thermal overload protection keeps the motor from being permanently damaged due to over heating or dry running.

#### Cord Length

All pumps come with a minimum 20' cord length.

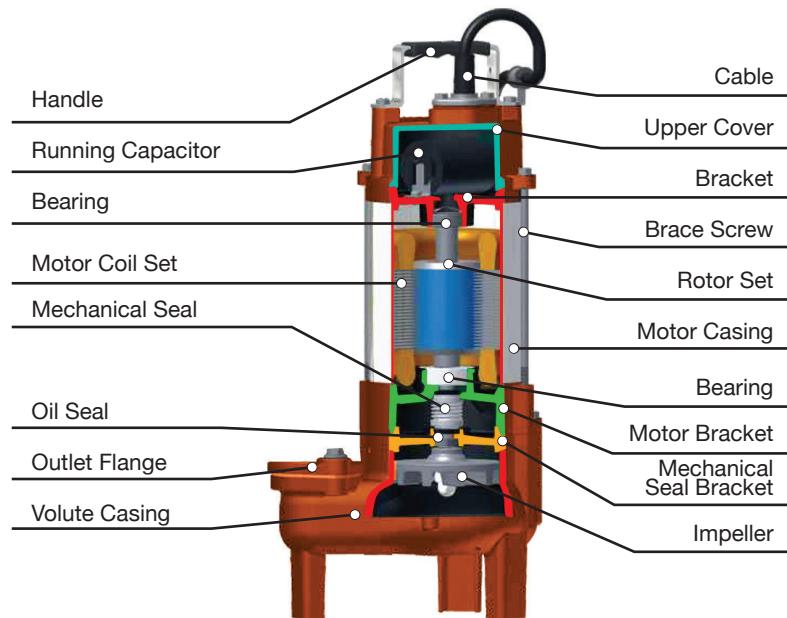
### PERFORMANCE CURVE



## SPECIFICATION

Part Number	Hz	PH	Voltage	HP	Discharge	Speed	Shutoff	Max Flow	Wt. lbs.	Solids Passage	LRA	FLA	Cord Length
AS5	60	1	115v	0.5	2"	2P/3500	23'	66gpm @ 6.5'tdh	37	2"	30	6	20'
AS5/3	60	3	230v	0.5	2"	2P/3500	23'	66gpm @ 6.5'tdh	33	2"	30	6	20'
AS100	60	1	220v	1	2"	2P/3500	33'	93gpm @ 6.5'tdh	41	2"	25	5	20'
AS100/3	60	3	230v	1	2"	2P/3500	33'	93gpm @ 6.5'tdh	39	2"	17.5	3.5	20'
AS100/4	60	3	460v	1	2"	2P/3500	33'	93gpm @ 6.5'tdh	39	2"	14.0	2.5	20'
AS200	60	1	230v	2	3"	2P/3500	53'	106gpm @ 9'tdh	77	2"	32.5	6.5	20'
AS200/3	60	3	230v	3	3"	2P/3500	53'	106gpm @ 9'tdh	75	2"	32.5	6.5	20'

## STRUCTURAL DRAWING



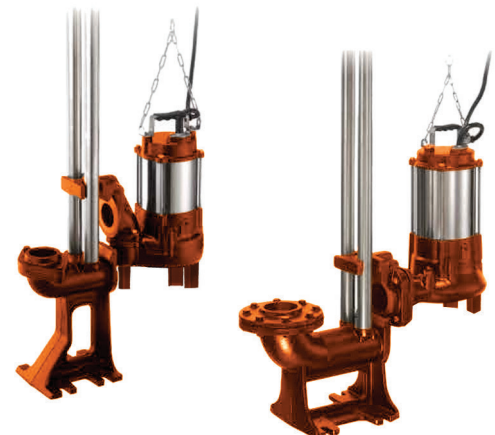
## MATERIALS OF CONSTRUCTION

<b>Pump</b>	<b>Structure</b>	Impeller		Vortex Impeller
		Seal		Dual Mechanical Seal
	<b>Material</b>	Upper Cover		Cast Iron
		Bearing		Heavy-duty bearing
		Impeller		Cast Iron
		Bottom Plate		Cast Iron
		Volute Casing		Cast Iron
		Motor Bracket		Cast Iron
		Seal Bracket		Cast Iron
		<b>Seal</b>	Lubricant	
Motor Side			Carbon/Ceramic	
Pump Side			Silicon Carbide /Silicon Carbide	
<b>Motor</b>	Type		Air filled	
	Insulation class		Class B (266° F)	
	Frequency		60 Hz	
	Pole/Rotation (rpm)		3450	
	Phase/Volts		See specification	
	Inner protector		Thermal overload protection	
	<b>Material</b>	Casing		304 Stainless Steel
		Main Shaft		420 Stainless Steel
		Cable		Standard submersible

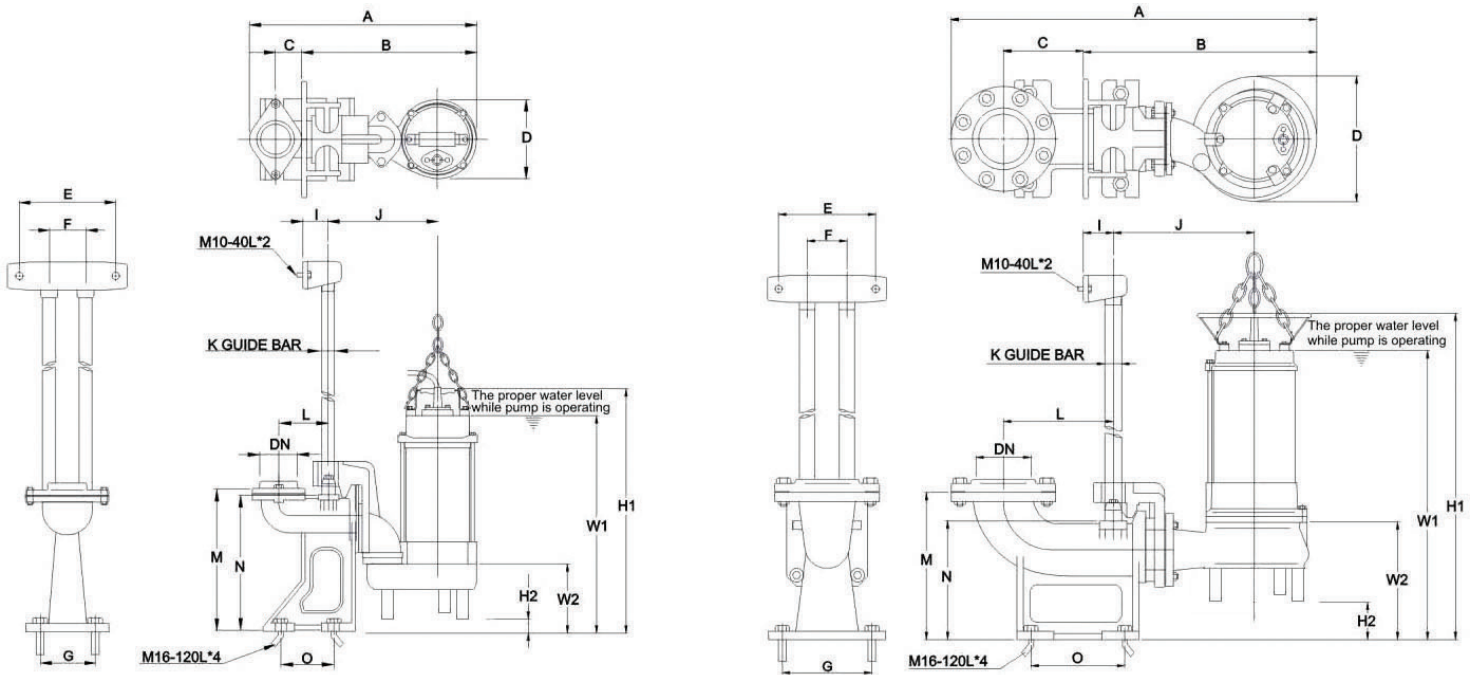
### APPLICATION

1. Residential and commercial sewage and storm water systems.
2. Light industrial waste water systems.
3. Farm waste systems.
4. School, hospital, & community storm water system.
5. Food, paper, mining, textile, & other water treatment systems.

### WITH BASE ELBOW



## DIMENSION



Unit: Inches

Pump Model	Part Number	DN	A	B	C	D	E	F	G	I	J	K	L	M	N	O	W1	W2	H1	H2
AS5	BE200	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	BE200	2"	16.93	13.98	1.57	6.69	7.28	2.76	4.13	1.97	8.66	1"	3.54	10.83	10.04	4.72	17.13	7.09	19.29	1.77
AS200	BE300	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

Contact *Aqua Pro Pump Systems* for custom built systems  
 with high pressure pumps, VFD'S, stainless steel headers **AND MORE!**  
 Visit us on the web at [tomikoinc.com](http://tomikoinc.com)



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