



*Aqua Pro Pump Systems*  
a Tomiko Inc. Company

## High Head & Effluent Submersible Pumps

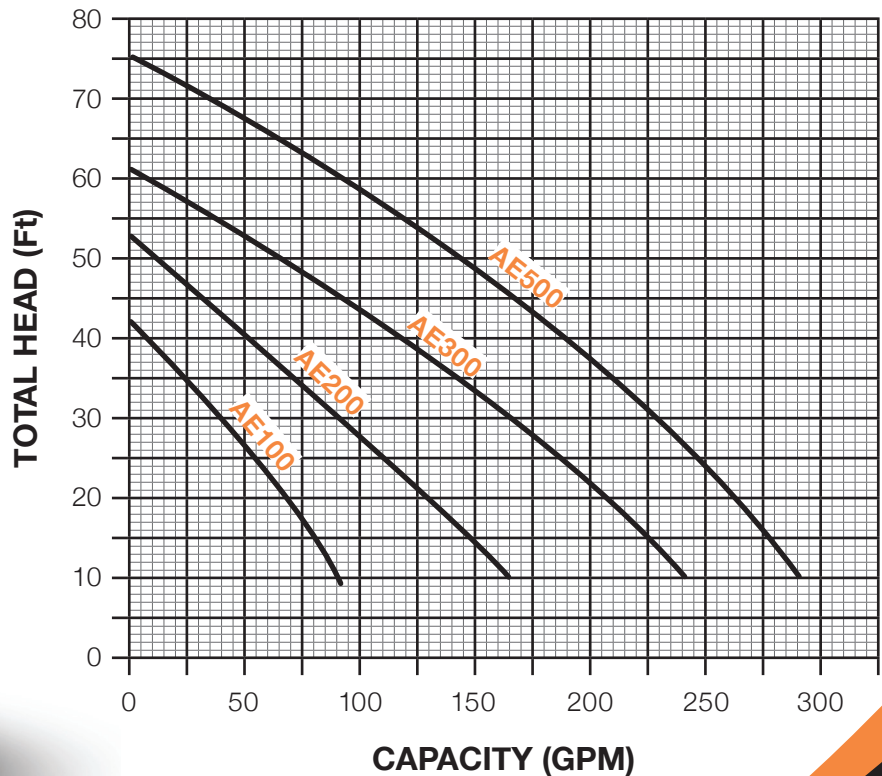
APPS high head submersible effluent pumps are designed to be used in a variety of applications and offer long life with their added features.

### Benefits:

APPS benefits and added features include bimetal thermal overload, stainless steel motor casing, dual mechanical seals with oil chamber, double roller bearings, seal probe port, air relief port, and longer cable.



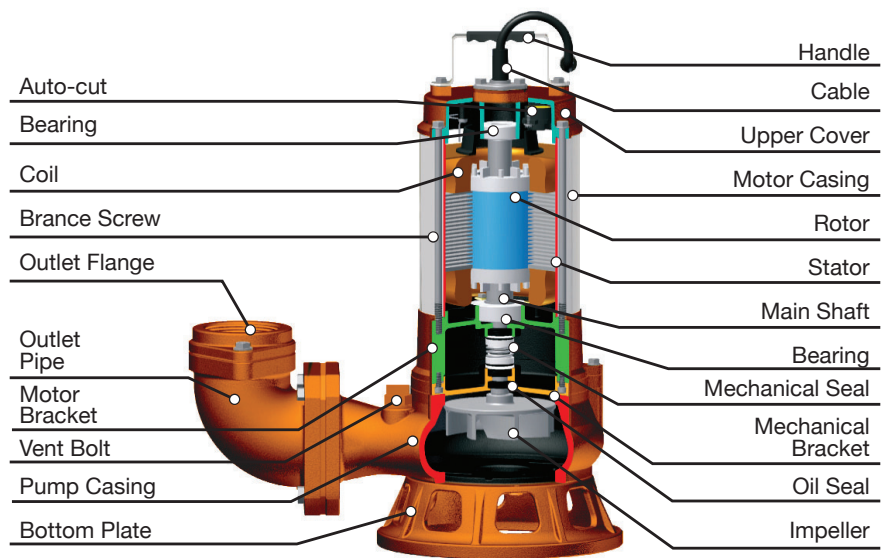
PERFORMANCE CURVE



## SPECIFICATION

Model	Frequency	PH	Voltage	HP	Discharge	Speed	Shutoff	Max Flow	Wt.	Solids Passage	LRA	FLA	Cord Length
AE100	60	1	220v	1	2"	2P/3500	41'	100gpm @ 10'tdh	45	1.3"	50	10	20'
AE100/3	60	3	230v	1	2"	2P/3500	41'	100gpm @ 10'tdh	47	1.3"	50	10	20'
AE200	60	1	230v	2	3"	2P/3500	55'	159pgm @ 10'tdh	75	1.3"	50	10	20'
AE200/3	60	3	230v	2	3"	2P/3500	55'	159pgm @ 10'tdh	75	1.5"	32.5	6.5	20'
AE300	60	3	230v	3	3"	2P/3500	55'	250gpm @ 8'tdh	79	1.77"	50	10	50'
AE500	60	3	230v	5	3"	2P/3500	75'	291gpm @ 9'tdh	144	1.77"	45	9	50'
AE500/4	60	3	480v	5	3"	2P/3500	75'	291gpm @ 9'tdh	144	1.77"	30	6	50'

## STRUCTURAL DRAWING



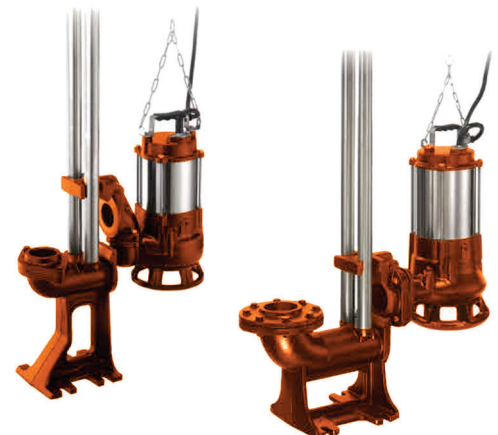
## MATERIALS OF CONSTRUCTION

<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		Submersible dry type	
	Insulation class		B class (130°C)	
	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 VCT /Optional

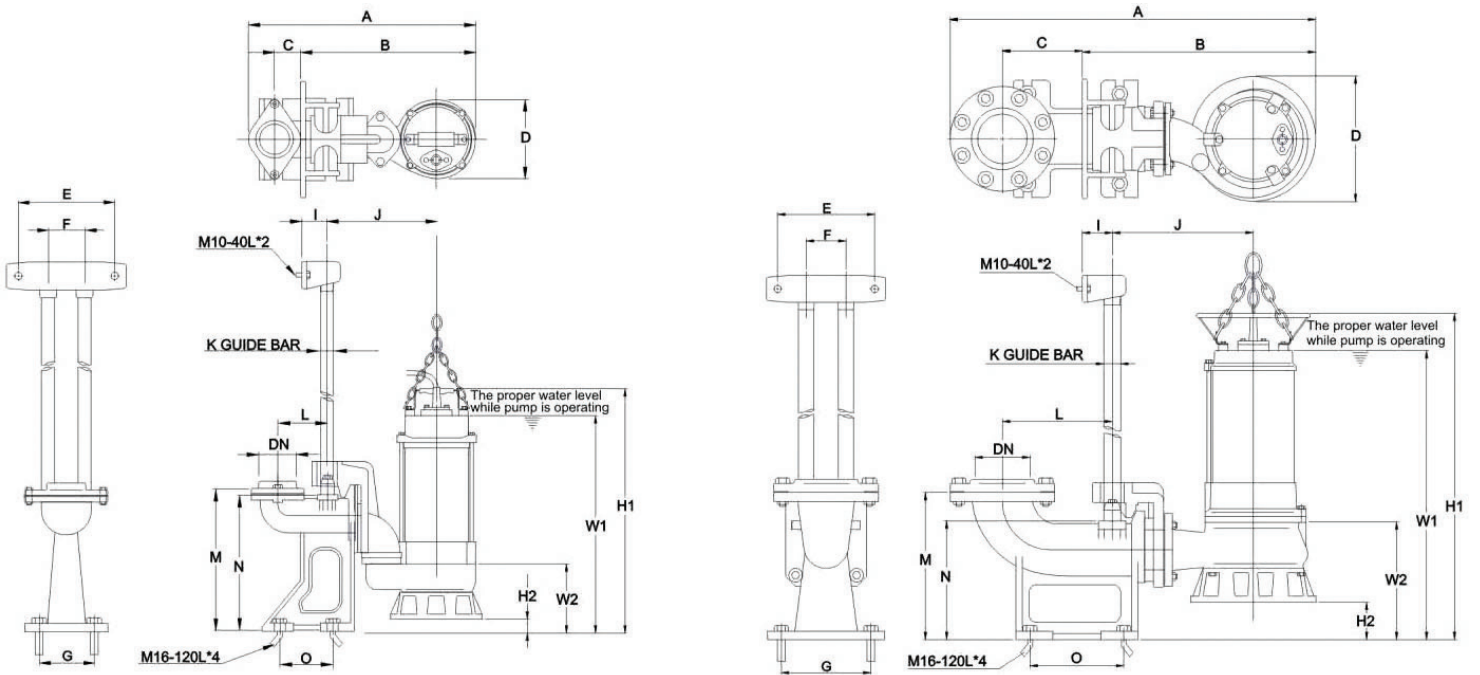
### APPLICATION

1. Storm water lift station, municipal storm water treatment plant.
2. Commercial storm water system.
3. Animal excrement, & farm waste systems.
4. School, hospital, community storm water system.
5. Food, paper, mining, textile, leather industry water treatment system.

### 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
AE100	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
AE200	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
AE300	BE300	3"	23.03	15.75	3.74	8.66	7.28	2.76	5.12	1.97	8.66	1.25"	5.71	12.01	10.83	5.12	21.85	10.83	24.02	4.72
AE500	BE300	3"	14.17	17.52	3.74	9.84	7.28	2.76	5.12	1.97	11.02	1.25"	5.71	12.01	10.83	5.12	22.83	10.83	25.39	4.53

**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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