



Aqua Pro Pump Systems
a Tomiko Inc. Company

Heavy Duty Submersible Sewage Pumps

Features & Benefits

APPS Heavy duty submersible 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

2-2.75" spherical solids passages 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

The cast iron air filled motor housing offers improved durability, better bearing life and easy maintenance.

Volute & Impeller

All volutes and impellers are cast iron for durability in the harsh environment of sewage applications with a pH of 4.3-12. Additionally, semi-open impellers are provided for 3-5 HP pumps & vortex impellers are provided for 7.5-10 HP pumps.

Thermally Protected

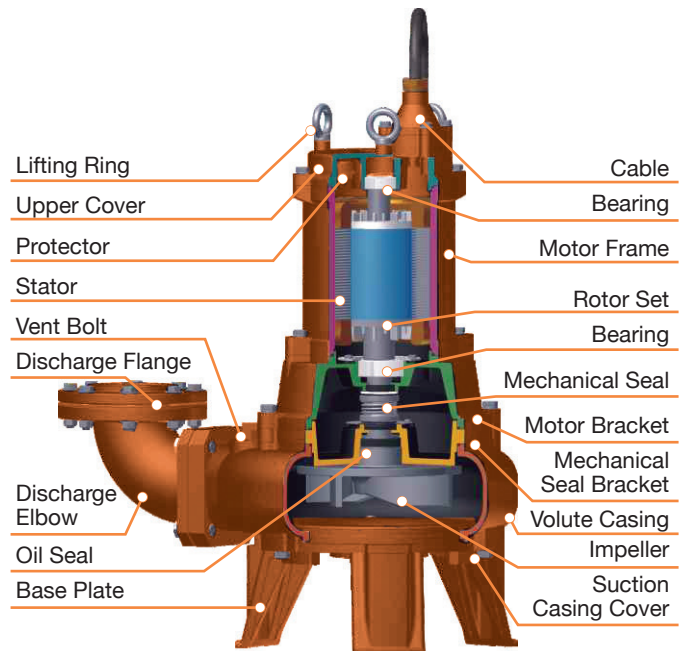
Built-in motor thermal overload protection keeps the motor from being permanently damaged due to over heating or dry running.

Cord Length

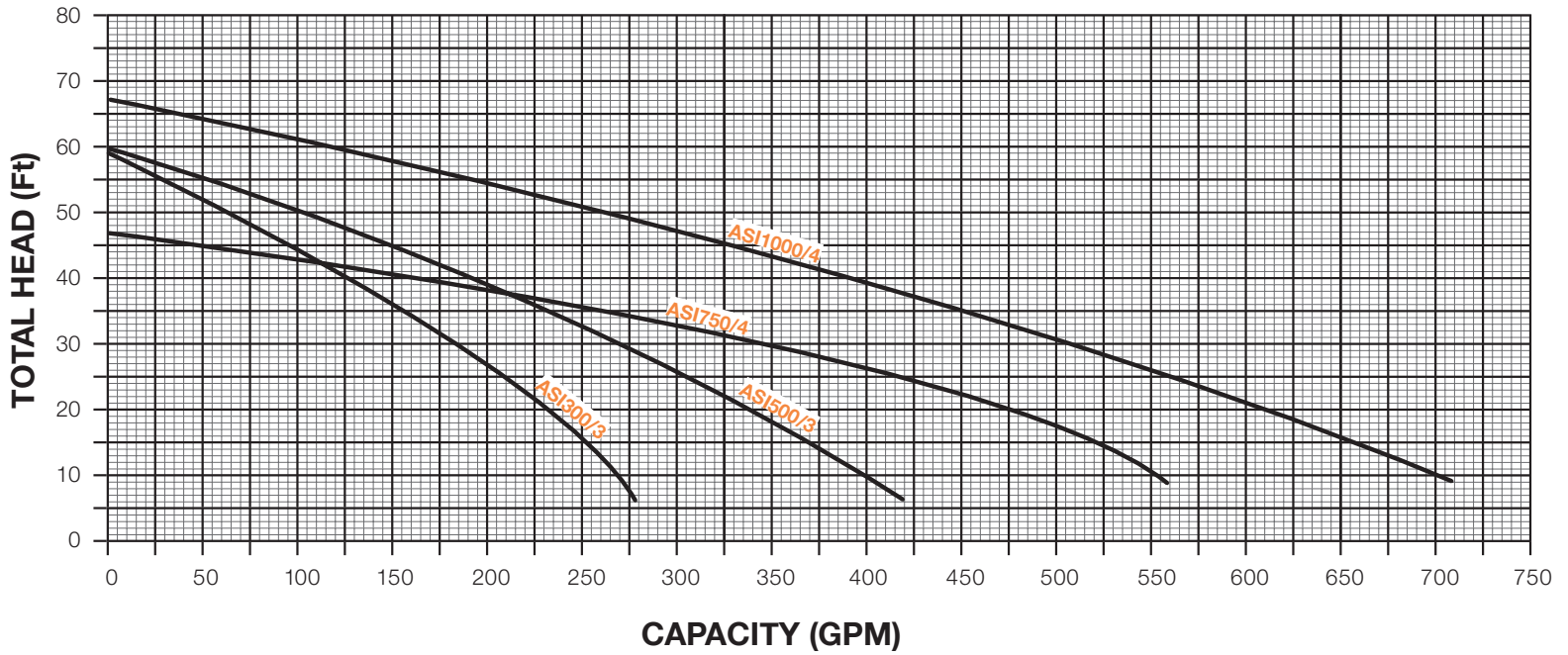
All pumps come with a 50' cord length.



STRUCTURAL DRAWING



PERFORMANCE CURVE



SPECIFICATION

Part Number	Hz	PH	Voltage	HP	Discharge	Speed	Shutoff	Max Flow	Wt. lbs.	Solids Passage	LRA	FLA	Cord Length
ASI300/3	60	3	230V	3	3"	1750	57'	266gpm @ 7.5'tdh	159	2.5"	33	8.5	50'
ASI500/3	60	3	230V	5	3"	1750	73'	433gpm @ 7.5'tdh	168	2.75"	68	14	50'
ASI750/4	60	3	480V	7.5	4"	1750	45'	566gpm @ 8.5'tdh	315	2.5"	52	10	50'
ASI10000/4	60	3	480V	10	4"	1750	65'	729gpm @ 10'tdh	326	2.3"	80	14	50'

MATERIALS OF CONSTRUCTION

		Temperature	32°F ~ 104°F
Pump	Structure	Impeller	Semi-Open / Vortex Impeller
		Seal	Dual Mechanical Seal
	Material	Upper Cover	Cast Iron
		Bearing	Heavy Duty Sealed Ball Bearings
		Impeller	Cast Iron
		Volute Casing	Cast Iron
		Suction Casing Cover	Cast Iron
		Bottom Plate	Cast Iron
		Seal	Lubricant
	Motor Side		Carbon/Ceramic
	Pump Side		Silicon Carbide /Silicon Carbide
Seal Probe	Optional		
Motor	Type		Submersible Dry Type
	Insulation class		F Class (300°F)
	Inner Protector		Thermal overload protection
	Material	Casing	Cast Iron
		Main Shaft	420 Stainless Steel
		Cable	Standard Submersible

APPLICATION

1. Commercial sewage and storm water systems
2. Industrial waste water systems
3. Municipal wastewater and sewage systems
4. Other heavy duty solids handling applications

IMPELLERS

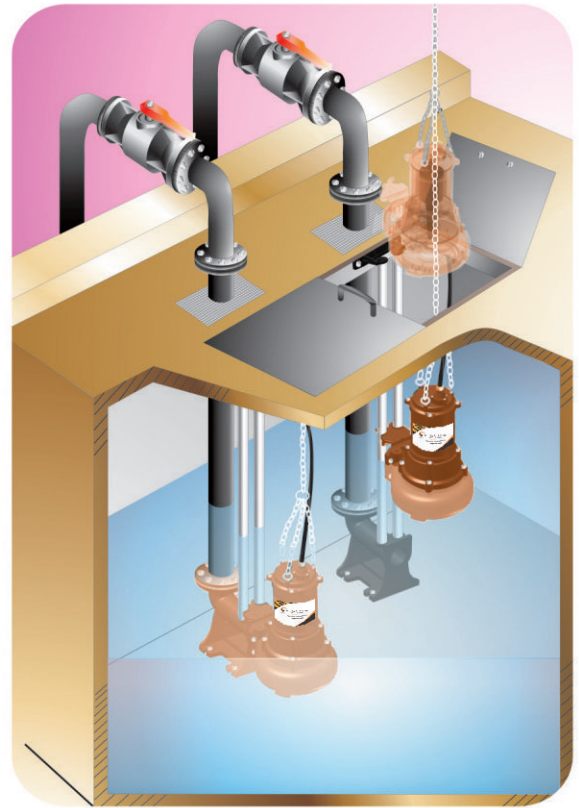
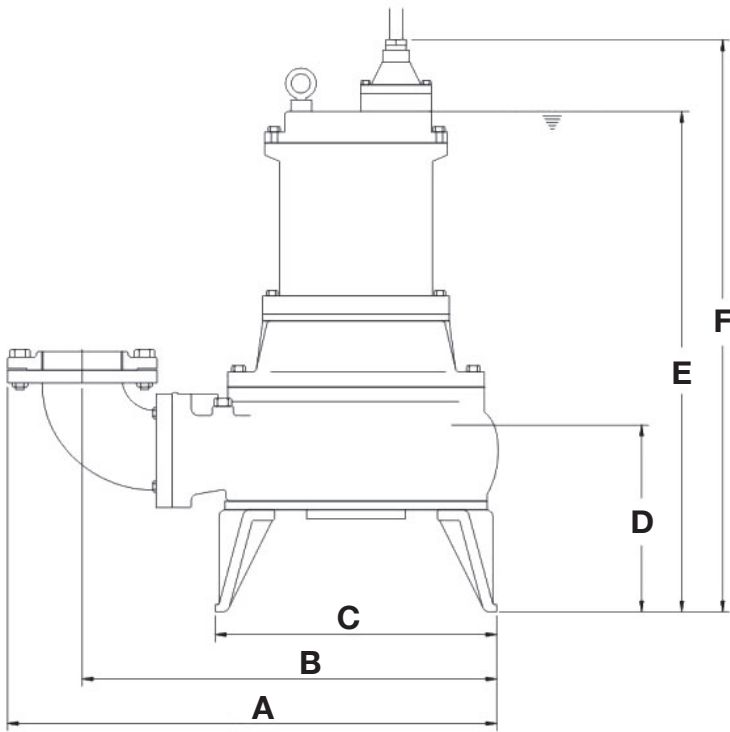


Semi-Open
3 & 5 HP



Vortex
7.5 & 10 HP

DIMENSION



Unit: Inches

Pump Model	A	B	C	D	E	F
ASI300	21.26	17.72	12.40	11.22	22.64	25.59
ASI500	21.26	17.72	12.40	11.22	24.41	27.56
ASI750	26.97	22.83	15.55	13.39	27.56	31.50
ASI1000	26.97	22.83	15.55	13.39	27.95	31.89

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



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