

Construction Drainage Pumps (1.5 HP to 10 HP)

Performance Range

- Flow rate up to 634 USgpm.
- Dynamic head up to 137 feet.

Applications

- Civil engineering dewatering of tunneling and ground works, also for storm water sewers.
- Dewatering of fluids containing solid sediments.

Features

- Specifically designed for civil engineering applications, where a heavy duty, light weight, top discharge design, is required which is easy to handle. The double outer casing, water cooled motor makes it particularly suitable for low water level applications.
- A fully waterproof IP 68 stainless steel structure, combined with a high grade silicon carbide double mechanical seals.
- The GAS range of pumps are compact, strong and easy to operate in any situation.
- Special designed high efficient and wear resistant HCR (High Chrome) impeller.
- Multi impeller design suitable from high head with small capacity to low head with large capacity of application requirement.
- Optional discharge connection(hose, flange and thread connection)

Special Features on Request

- Other voltages.
- Available in 50Hz.

Thermal overload protector

- Equipped with Automatic reset motor protector, prevents motor from burning due to high temperature/phase failure/voltage drop and locked impeller.

HCR Impeller

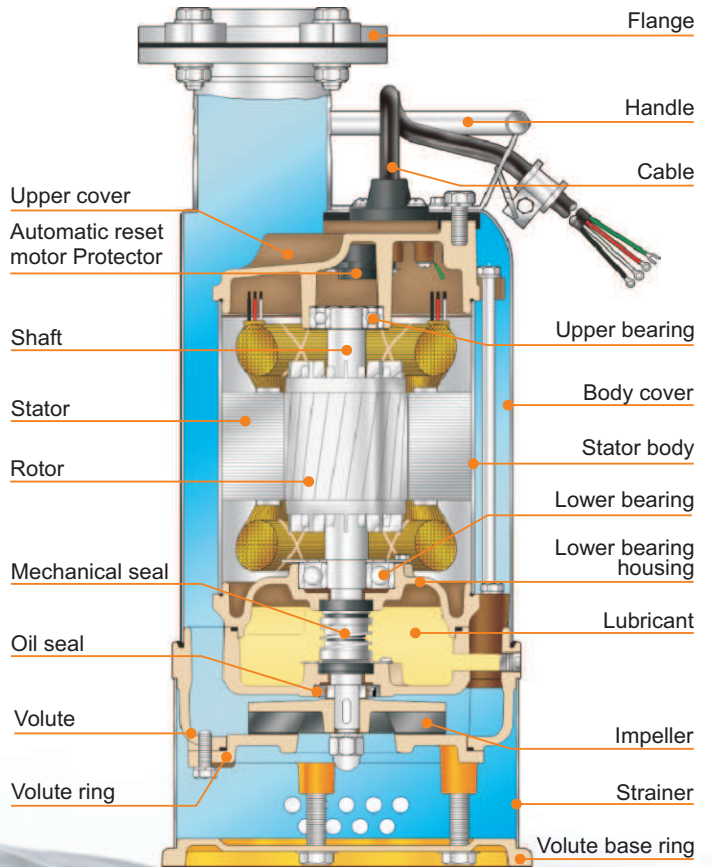
- The GAS impeller is manufactured with a high chrome alloy (HCR) steel with a hardness of 55 - 60 Rc., which makes it resistant to prolonged use in abrasive applications.



Protector

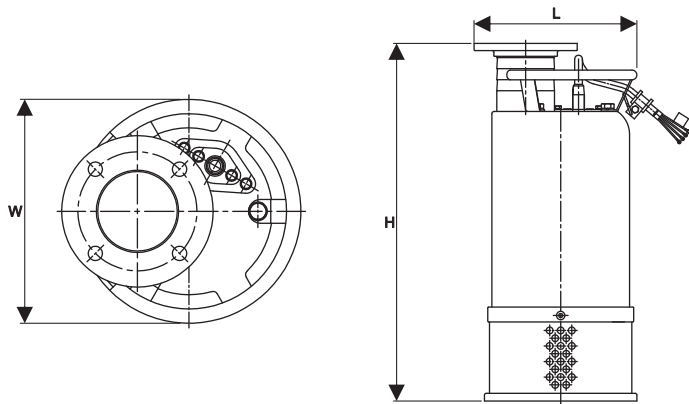


Impeller



Specification

HP		1.5 to 5 HP	7.5 to 10 HP		
Diameter (inch)		2" - 3"	3"	4" - 6"	
Pumping liquid	Ambient temp	Max. +122° F			
	Liquid temp	+32° F to +122° F			
	Liquid nature	Suitable for dewatering at civil engineering sites and pumping of storm water			
	Max depth	98.4 feet (30m)			
Pump	Structure	Impeller	Open	Open	Enclosed
		Mech. seal	Double Mechanical seal		
		Bearing	Ball type bearing		
	Material	Body Cover	AISI-304		
		Upper cover	Grey Iron		
		Volute	Hard Ductile Iron		
		Impeller	High Chrome		
M. seal	Motor Side	Carbon v/s Ceramic			
	Pump Side	Silicon Carbide v/s Silicon Carbide			
Motor	Type	Dry motor			
	Insulation	F Class			
	Frequency	60Hz			
	Thermal Protector	Automatic reset motor protector			
	Material	Strator body	AISI 304	Grey Iron	
Shaft		AISI 410			
Cable		Thermoplastic rubber			
Protection		IP 68			
Duty		S1 - When pumps completely or partially submersed.			
Voltage		1 Ph. 230 V ±10%, 3 Ph. 380 V, 460 V ±10% 3 Ph. 230 V ±10% (up to 3.0 H.P.)			

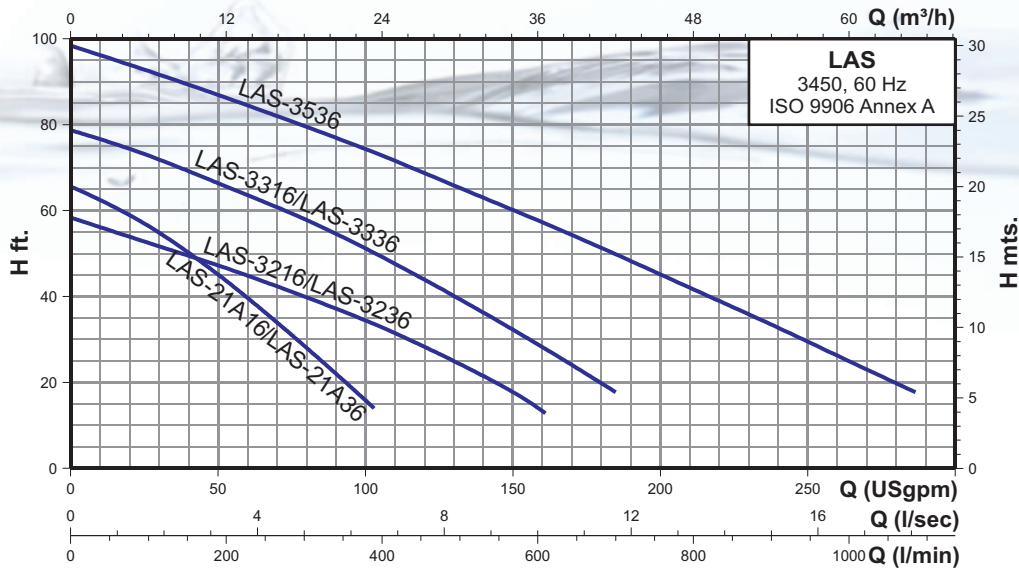


LAS 21A16, 21A36 LAS 3216, 3236, 3316, 3336, 3536 LAS 3736, 4736, 6736, 41036, 61036

DIMENSIONS

Model		Disc. Inch (mm)	Dimensions (inch)			Solid Passage (inch)	Net Weight (lbs)	Gross Weight (lbs)	Volume (ft ³)
Single Phase	Three Phase		Length	Width	Height				
LAS-21A16/21A16F	-	2" (50)	8.27	8.27	20.08	0.31	64	108	2.72
-	LAS-21A36/21A36F		8.27	8.27	17.13	0.31	55	99	2.40
LAS-3216/3216F	-	3" (80)	9.84	9.45	24.80	0.43	95	150	3.92
-	LAS-3236/3236F		9.84	9.45	21.06	0.43	86	141	3.43
LAS-3316/3316F	-	3" (80)	9.84	9.45	25.39	0.43	103	158	3.99
-	LAS-3336/3336F		9.84	9.45	22.05	0.43	92	147	3.57
-	LAS-3536	3" (80)	9.84	9.45	23.62	0.43	101	156	3.78
-	LAS-3736	3" (80)	11.42	11.42	27.17	0.39	163	224	5.30
-	LAS-4736	4" (100)	11.42	11.42	27.17	0.39	167	229	5.30
-	LAS-6736	6" (150)	11.42	11.42	29.33	0.39	172	233	5.65
-	LAS-41036	4" (100)	11.42	11.42	27.17	0.39	167	229	5.30
-	LAS-61036	6" (150)	11.42	11.42	29.33	0.39	176	238	5.65

PERFORMANCE CHART AT n = 3450 RPM FOR CONSTRUCTION DRAINAGE PUMP



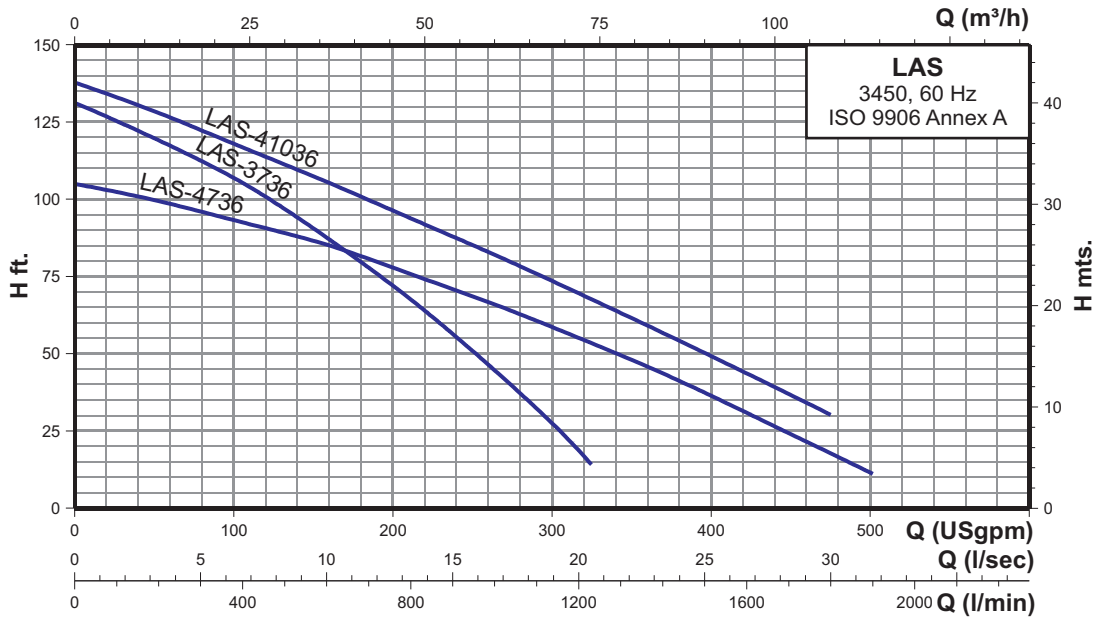
PERFORMANCE DATA AT n = 3450 RPM

Model		Power		Voltage*	Start Method	l/min Usgpm	95	189	284	379	473	568	662	757	852	946	1041																																	
Single Phase	Three Phase	HP	KW				25	50	75	100	125	150	175	200	225	250	275																																	
LAS-21A16/21A16F	-	1.5	1.1	230V	Capacitor	H ft.	57	45	31	15.5	-	-	-	-	-	-	-																																	
-	LAS-21A36/21A36F			460V	Direct																																													
LAS-3216/3216F	-	2.0	1.5	230V	Capacitor													53	47.5	41	34.5	26.5	17.5	-	-	-	-	-																						
-	LAS-3236/3236F			460V	Direct																																													
LAS-3316/3316F	-	3.0	2.2	230V	Capacitor																								73	66.5	59	51.5	42	32	22	-	-	-	-											
-	LAS-3336/3336F			460V	Direct																																													
-	LAS-3536	5.0	3.7	460V	Direct																																			93	87	80.5	74	67	60	53	45	37.5	29.5	22

Note : Subscript "F" pumps will be provided with a float switch.
Pumps are available for 380 V three phase power supply on request.

Construction Drainage Pumps (7.5 HP to 10.0 HP)

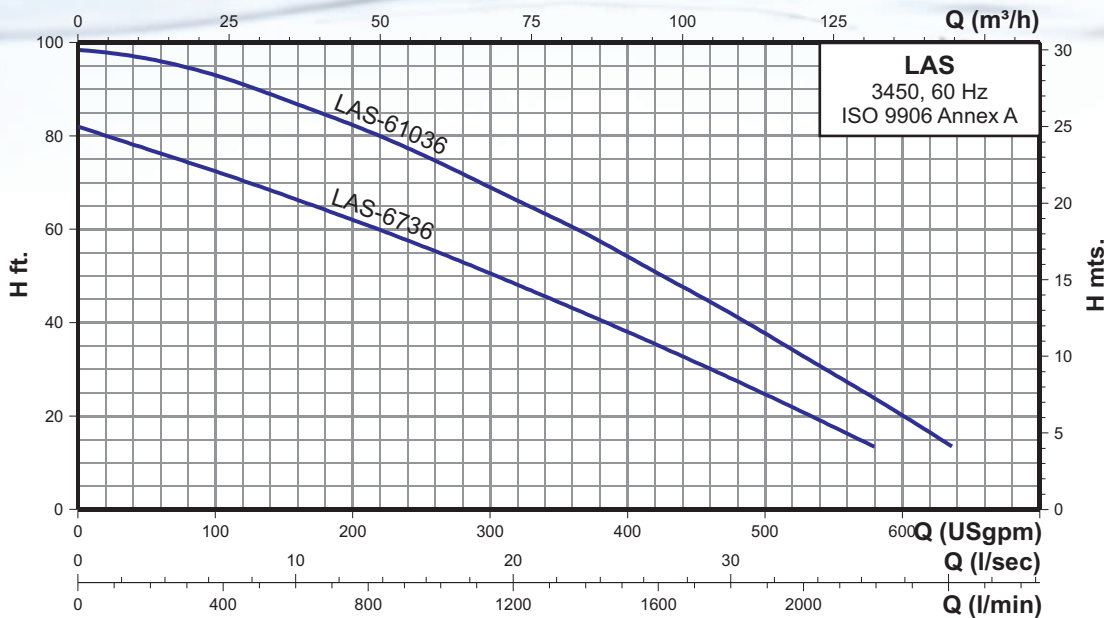
PERFORMANCE CHART AT n = 3450 RPM FOR CONSTRUCTION DRAINAGE PUMP



PERFORMANCE DATA AT n = 3450 RPM

Model	Power		Voltage	Start Method	l/min Usgpm	189	284	379	473	568	662	757	852	946	1136	1325	1514	1703	1893
	HP	KW				50	75	100	125	150	175	200	225	250	300	350	400	450	500
LAS-4736	7.5	5.5	460V	Direct	H ft.	100	96	93	90	87	82	78	73	68.5	59	48	36	24	12
LAS-3736				Direct	120	112	107	100	90	80	72	62.5	50.5	27.5	-	-	-	-	
LAS-41036	10.0	7.5	460V	Direct	H ft.	128	122	118	113	107.5	102	96	91.5	85	73.5	61	49.5	36	-

PERFORMANCE CHART AT n = 3450 RPM FOR CONSTRUCTION DRAINAGE PUMP



PERFORMANCE DATA AT n = 3450 RPM

Model	Power		Voltage	Start Method	l/min Usgpm	189	379	568	757	1136	1514	1893	2271
	HP	KW				50	100	150	200	300	400	500	600
LAS-6736	7.5	5.5	460V	Direct	H ft.	77.5	72.5	67.5	62	50.5	37.5	25	-
LAS-61036				Direct	97	92.5	87.5	82.5	69	54	37.5	20	

Note : Pumps are available for 380 V three phase power supply on request.