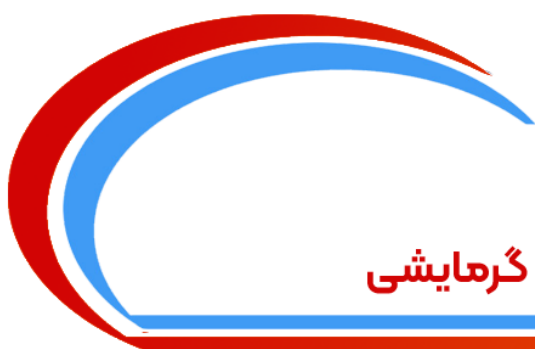


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## کاتالوگ پمپ سیرکولاتور آزاد البرز



پیشرو در فروش تاسیسات سرمایشی و گرمایشی





## معرفی شرکت

شرکت تولیدی آزاد البرز در سال ۱۳۶۲ با هدف تولید انواع پمپ در شهرک صنعتی شهید رجایی واقع در قزوین تاسیس گردید.

این شرکت با بهره گیری از پرسنل متخصص و کارشناسان مجرب و تجهیزات مدرن روز و با متدهای تولید پیشرفته، هر ساله سهم عمده ای در تأمین نیاز جامعه در این زمینه دارا می باشد. این مجموعه با تفکر مبتنی بر تولید استاندارد و کیفیت مطلوب محصولات امیدوار است ضمن ارائه خدماتی شایسته زمینه ساز پیشرفت و تعالی ایران عزیز باشد.

## محصولات

پمپ های سیرکولاتور خطی  
سیرکولاتور اتاترم  
پمپ های جکوزی  
پمپ های سانتریفیوژ زمینی  
پمپ های آبرسانی  
بوستر پمپ الکترومکانیکی هوشمند

## Introduction

Azad Alborz Co in 1982 with the aim of producing pumps in the industrial city of Qazvin martyr Rajai established.

The company utilizes a specialized staff and advanced production method with modern equipment experts every year a stake in the community's need in this area has.

This thinking is based on the standard and quality of products produced with hope of providing excellent service is Iran's progress and excellence.

## Product

Circulating Pumps  
Circulating Etatherm  
Jacuzzi Pumps  
Centrifugal Pumps  
Water Pumps  
Smart Electromechanically booster pumps

پمپ های سانتریفیوژ زمینی ۲ Centrifugal Pumps

پمپ های جکوزی ۲۰ Jacuzzi Pumps

سیرکولاتور اتاترم ۲۵ Circulating Etatherm

پمپ های سیرکولاتور خطی ۲۸ Circulating Pumps

پمپ های آبرسانی ۳۶ Water Pumps

بوستر پمپ الکترومکانیکی هوشمند ۳۸ Smart Electromechanically Booster Pumps

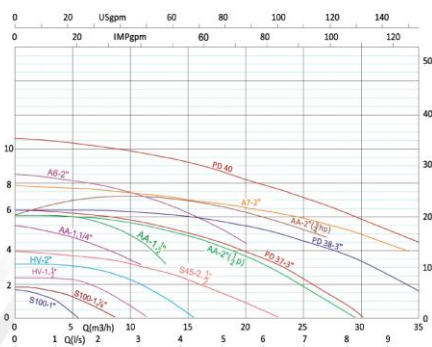




In-Line Circulator Types												
No	Pump Type	Max Capacity (GPM)	Maximum Head (ft)	Impeller Diameter (mm)	Suction Flange Dia (inch)	Discharge Flange Dia (inch)	Body Height Dia (inch)	Power		Ampero		N (rpm)
								KW	HP	1-Phase	3-Phase	
1	2" A6	90	28	150	2"	2"	35	0.75(3/4)	1	5.8	3.8	1450
2	2" A7	145	27	155	2"	2"	35	1.1 (3/4)	1.5	5.8	3.8	1450
3	1.1/2" AA	85	20	129	1.1/2"	1.1/2"	30	0.37	0.5(1/2)	2.8	---	1450
4	2" AA (2 1/2hp)	120	24	129	2"	2"	30	0.55	0.75(3/4)	3.9	---	1450
5	1.1/4" AA	45	18	129	1.1/4"	1.1/4"	30	0.37	0.5(1/2)	2.8	---	1450
6	2" AA (1.2hp)	128	20	129	2"	2"	30	0.37	0.5(1/2)	2.8	---	1450
7	1.1/2" HV	50	8	75	1.1/2"	1.1/2"	22	0.12(1/8)	0.16(1/8)	1.35	---	1450
8	2" HV	68	15	85	2"	2"	22	0.12(1/8)	0.16(1/8)	1.35	---	1450
9	PD37	130	22	129	2.1/2"	2.1/2"	31	0.55	0.75(3/4)	3.9	2.8	1450
10	PD38	150	21	129	3"	3"	31	0.75(3/4)	1	5.8	3.8	1450
11	PD40	150	34	150	3"	3"	38	1.5	2	9.4	7.1	1450
12	2.1/2" S45	100	13	100	2.1/2"	2.1/2"	27	0.25(1/4)	0.33(1/3)	2.2	---	1450
13	1" S100	24	6	70	1"	1"	16.5	0.09	0.125(1/8)	0.75	---	1450
14	1.1/4" S100	35	7	70	1.1/4"	1.1/4"	16.5	0.09	0.125(1/8)	0.75	---	1450

## Circulator

### پمپ‌های سیرکولاتور



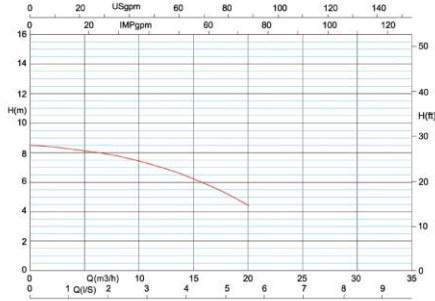
#### مشخصات کلی

- دارای الکترو موتورهای استاندارد با مصرف کم برق شرکت الکتروژن
- دارای شاسی انحصاری شرکت آزاد البرز برای بی صدا نمودن الکترو موتور
- دارای مکانیکال سیل
- دارای کوپلینگ فنری
- جنس پروانه ها از نوع پلی کرینات و پلی آمید الیاف دار است، که مقاوم در برابر خوردگی و رسوبات می باشد.
- جنس شفت ها از نوع فولاد الیازی ضد زنگ می باشد.
- درجه حرارت سیال در آب بندی یا آب بند مکانیکال سیل: از ۵۰- تا ۱۴۰ درجه سانتی گراد می باشد.

#### General Specification

- They contain standard engines with low power consumption that belong to Electrogen co.
- They contain exclusive chassis of Azad Alborz Company to make engines silent.
- They contain mechanical seal.
- They have springy and elastic coupling.
- The impellers are made of polycarbonate so they are resistant against sediment.
- Shafts are made of stainless alloy steels.
- Operating temperature with mechanical seal: from -50 °c to 140 °c

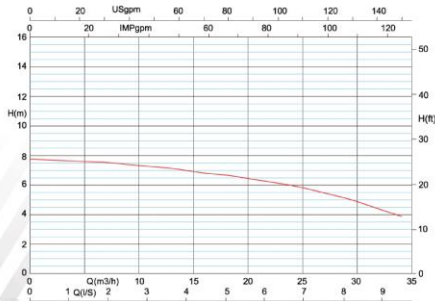




2" A6



Fluid Characteristic			Pump Characteristic						Motor Characteristic					
Max Capacity (gpm)	Max Head (ft)	Impeller Diameter (mm)	Seal Type	Suction Flange Dia (mm)	Discharge Flange Dia (mm)	Body Height Dia (mm)	Body Material	Shaft Material	Impeller material	Power (KW)	Power (HP)	R.P.M	1 Phase Ampere	3 Phase Ampere
90	28	150	Mechanical Seal	2"	2"	35	Cast Iron	Alloyed Steel	Compound Poly Amide	0.75 (1.0)	1	1450	5.8	3.8

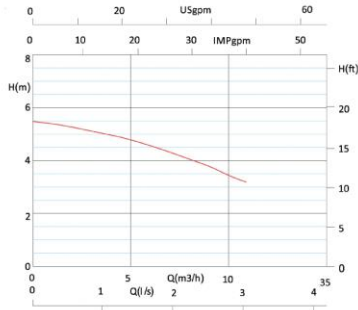


2" A7



Fluid Characteristic			Pump Characteristic						Motor Characteristic					
Max Capacity (gpm)	Max Head (ft)	Impeller Diameter (mm)	Seal Type	Suction Flange Dia (mm)	Discharge Flange Dia (mm)	Body Height Dia (mm)	Body Material	Shaft Material	Impeller material	Power (KW)	Power (HP)	R.P.M	1 Phase Ampere	3 Phase Ampere
145	27	150	Mechanical Seal	2"	2"	35	Cast Iron	Alloyed Steel	Compound Poly Amide	1.1 (1.5)	1.5	1450	5.8	3.8

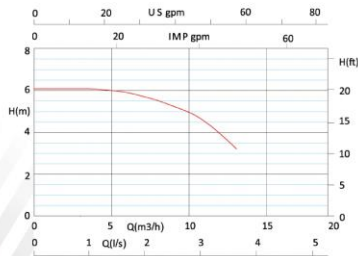




1-1/4 AA



Fluid Characteristic			Pump Characteristic						Motor Characteristic					
MaxCapacity (gpm)	MaxHead (ft)	Impeller Diameter (mm)	Seal Type	Suction Flange Dia (mm)	Discharge Flange Dia (mm)	Body Height Dia (mm)	Body Material	Shaft Material	Impeller material	Power (KW)	Power (HP)	R.P.M	1-Phase Amperes	3-Phase Amperes
45	18	129	Mechanical Seal	1,1/4"	1,1/4"	30	Cast Iron	Alloyed Steel	Compound Poly Amide	0.37	0.5 (1/2)	1450	2.8	—

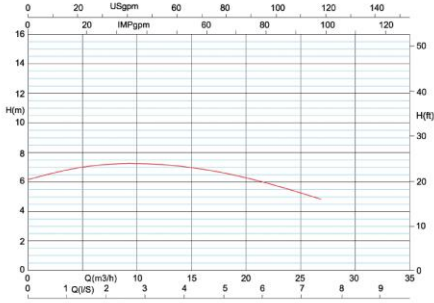


1-1/2 AA



Fluid Characteristic			Pump Characteristic						Motor Characteristic					
MaxCapacity (gpm)	MaxHead (ft)	Impeller Diameter (mm)	Seal Type	Suction Flange Dia (mm)	Discharge Flange Dia (mm)	Body Height Dia (mm)	Body Material	Shaft Material	Impeller material	Power (KW)	Power (HP)	R.P.M	1-Phase Amperes	3-Phase Amperes
55	20	129	Mechanical Seal	1,1/2"	1,1/2"	30	Cast Iron	Alloyed Steel	Compound Poly Amide	0.37	0.5 (1/2)	1450	2.8	—

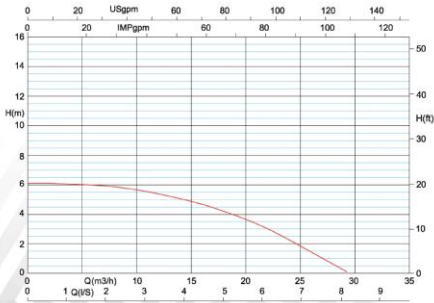




2" AA 3/4



Fluid Characteristic			Pump Characteristic						Motor Characteristic					
Max Capacity (gpm)	Max Head (ft)	Impeller Diameter (mm)	Seal Type	Suction Flange Dia (mm)	Discharge Flange Dia (mm)	Body Height (mm)	Body Material	Shaft Material	Impeller material	Power (KW)	Power (HP)	R.P.M	1 Phase Ampere	3 Phase Ampere
120	24	129	Mechanical Seal	2"	2"	30	Cast Iron	Alloyed Steel	Compound Poly Amide	0.55	0.75(1/4)	1450	3.9	—

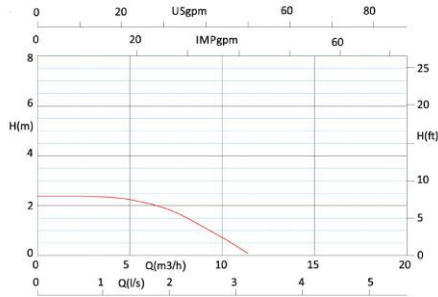


2" AA



Fluid Characteristic			Pump Characteristic						Motor Characteristic					
Max Capacity (gpm)	Max Head (ft)	Impeller Diameter (mm)	Seal Type	Suction Flange Dia (mm)	Discharge Flange Dia (mm)	Body Height (mm)	Body Material	Shaft Material	Impeller material	Power (KW)	Power (HP)	R.P.M	1 Phase Ampere	3 Phase Ampere
128	20	129	Mechanical Seal	2"	2"	30	Cast Iron	Alloyed Steel	Compound Poly Amide	0.37	0.5 (1/2)	1450	2.8	—

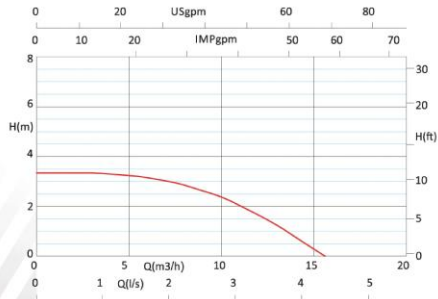




1-1/2 HV



Field Characteristic			Pump Characteristic						Motor Characteristic					
Max Capacity (gpm)	Max Head (ft)	Impeller Diameter (mm)	Seal Type	Suction Flange Dia (mm)	Discharge Flange Dia (mm)	Body Height (mm)	Body Material	Shaft Material	Impeller material	Power (KW)	Power (HP)	R.P.M	1-Phase Amperes	3-Phase Amperes
50	8	75	Mechanical Seal	1.1.2"	1.1.2"	22	Cast Iron	Alloyed Steel	Compound Poly Amide	0.12(1/8)	0.16(1/6)	1450	1.35	—



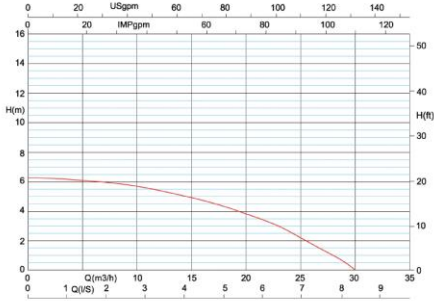
2" HV



Field Characteristic			Pump Characteristic						Motor Characteristic					
Max Capacity (gpm)	Max Head (ft)	Impeller Diameter (mm)	Seal Type	Suction Flange Dia (mm)	Discharge Flange Dia (mm)	Body Height (mm)	Body Material	Shaft Material	Impeller material	Power (KW)	Power (HP)	R.P.M	1-Phase Amperes	3-Phase Amperes
68	11	85	Mechanical Seal	2"	2"	22	Cast Iron	Alloyed Steel	Compound Poly Amide	0.12(1/8)	0.16(1/6)	1450	1.4	0.87



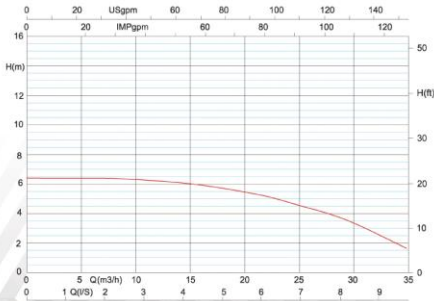




PD 37



Fluid Characteristic			Pump Characteristic					Motor Characteristic						
Max Capacity (gpm)	Max Head (ft)	Impeller Diameter (mm)	Seal Type	Suction Flange Dia (mm)	Discharge Flange Dia (mm)	Body Height (mm)	Body Material	Shaft Material	Impeller material	Power (KW)	Power (HP)	R.P.M	1-Phase Ampere	3-Phase Ampere
130	22	129	Mechanical Seal	2,1/2"	2,1/2"	31	Cast Iron	Alloyed Steel	Compound Poly Amide	0.55	0.75(1/4)	1450	3.9	2.8

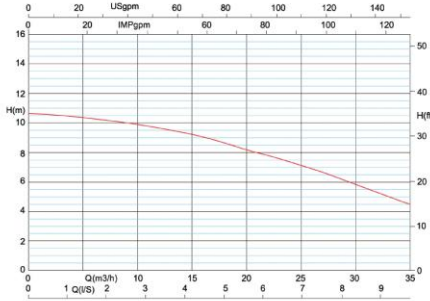


PD 38



Fluid Characteristic			Pump Characteristic					Motor Characteristic						
Max Capacity (gpm)	Max Head (ft)	Impeller Diameter (mm)	Seal Type	Suction Flange Dia (mm)	Discharge Flange Dia (mm)	Body Height (mm)	Body Material	Shaft Material	Impeller material	Power (KW)	Power (HP)	R.P.M	1-Phase Ampere	3-Phase Ampere
150	21	129	Mechanical Seal	3"	3"	31	Cast Iron	Alloyed Steel	Compound Poly Amide	0.75(1/4)	1	1450	5.8	3.8

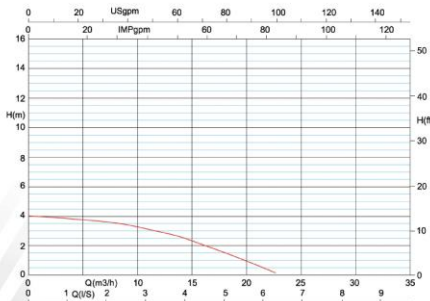




PD 40



Fluid Characteristic			Pump Characteristic					Motor Characteristic						
Max Capacity (gpm)	Max Head (ft)	Impeller Diameter (mm)	Seal Type	Suction Flange Dia (mm)	Discharge Flange Dia (mm)	Body Height Dia (mm)	Body Material	Shaft Material	Impeller material	Power (KW)	Power (HP)	R.P.M	1 Phase Ampere	3 Phase Ampere
150	34	150	Mechanical Seal	3"	3"	38	Cast Iron	Alloyed Steel	Compound Poly Amide	1.5	2	1450	9.4	7.1

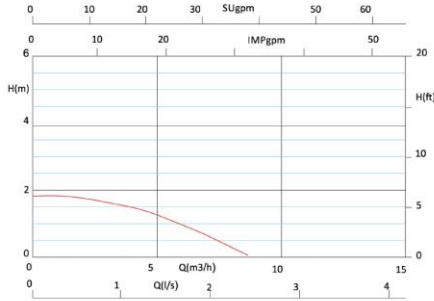


S 45 2-1/2"



Fluid Characteristic			Pump Characteristic					Motor Characteristic						
Max Capacity (gpm)	Max Head (ft)	Impeller Diameter (mm)	Seal Type	Suction Flange Dia (mm)	Discharge Flange Dia (mm)	Body Height Dia (mm)	Body Material	Shaft Material	Impeller material	Power (KW)	Power (HP)	R.P.M	1 Phase Ampere	3 Phase Ampere
100	13	100	Mechanical Seal	2,1/2"	2,1/2"	27	Cast Iron	Alloyed Steel	Compound Poly Amide	0.25(1/4)	0.33(1/3)	1450	2.2	—

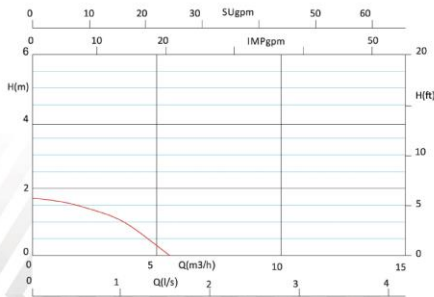




1-1/4" S 100



Fluid Characteristic			Pump Characteristic					Motor Characteristic						
MaxCapacity (gpm)	MaxHead (ft)	Impeller Diameter (mm)	Seal Type	Suction Flange Dia (mm)	Discharge Flange Dia (mm)	Body Height (mm)	Body Material	Shaft Material	Impeller material	Power (KW)	Power (HP)	R.P.M	3.Phase Ampere	3.Phase Ampere
35	7	70	Mechanical Seal	1,1/4"	1,1/4"	16/5	Cast Iron	Alloyed Steel	Compound Poly Amide	0.09	0.125(1/8)	1450	0.75	—



1" S 100



Fluid Characteristic			Pump Characteristic					Motor Characteristic						
MaxCapacity (gpm)	MaxHead (ft)	Impeller Diameter (mm)	Seal Type	Suction Flange Dia (mm)	Discharge Flange Dia (mm)	Body Height (mm)	Body Material	Shaft Material	Impeller material	Power (KW)	Power (HP)	R.P.M	3.Phase Ampere	3.Phase Ampere
24	6	70	Mechanical Seal	1"	1"	16/5	Cast Iron	Alloyed Steel	Compound Poly Amide	0.09	0.125(1/8)	1450	0.75	—





## booster pump بوستر پمپ

تولید کننده انواع بوستر پمپ های دور ثابت و دور متغیر با کنترل کننده های PLC و با دامنه کاربرد:

- ◆ ساختمان های بلند و برج ها
- ◆ سیستم های آبیاری تحت فشار
- ◆ سیستم های اطفای حریق
- ◆ مصارف صنعتی و کشاورزی

Manufacturer of fixed and variable speed booster pumps with remote control by the PLC and the scope of application:

- ◆ High buildings and towers
- ◆ Pressurized irrigation systems
- ◆ Firefighting systems
- ◆ Industrial use and farming



کار آفرین نمونه  
سومین جشنواره قهرمانان صنعت



کار آفرین نمونه  
نخستین جشنواره قهرمانان صنعت

