VOSSCHE

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VOSSCHE

SURFACE PUMP

About Us

Our Management Team

Vossche was founded by Mr. Vossche Alton, who was born in Germany, but migrated to the USA in 1984 to set up his pump manufacturing business. From the rudiments of a small company, over 30 years ago, Vossche now boasts seven operational divisions each headed by a dedicated and highly qualified managing director. These divisions are:

- Product Planning
- Research and Design
- Product and Operations
- Sales and Marketing
- Logistics and Warehousing
- Export Sales
- Technical Support

Through these able teams, we have provided and continue to offer stellar quality products and services to consumers throughout the world including North America, South America, Europe, Africa, Asia and Australia.

Our Company

Vossche headquarter is located in Texas USA, where we have a factory that covers an area larger than 140,000 square meters. Of these, 120,000 square meters cover building space, and our net capital is registered at USD 160 million. We have an average of 1,855 employees worldwide.

We produce over 2 million pump sets every year under 12 major categories with more than 2,000 specific models for power ranges 0.5kW - 200 kW. Our range of products can service needs in various industries including refrigeration, mining, metallurgy, domestic water supply, agricultural irrigation, municipal services, groundwater applications, water lifting, sewage water or clean water disposal systems, building and industrial water supply, heating and ventilation, spa baths and swimming pools, among many more.

Vossche Pump Group

Together with our subsidiaries in strategic locations as well as affiliated distributors worldwide, Vossche believes in delivery of quality products for our consumers. As such, all our products undergo comprehensive production and operational testing to ensure that they adhere to the high standards we have set for ourselves. This is why our consumers trust us to deliver the best pumps in the market and are continuously satisfied with our outputs. In addition, we dedicate a huge amount of time and resources towards research, development and innovation to discover new and better models, applications and methods of production to continue adding value for clients.


VOSSCHE

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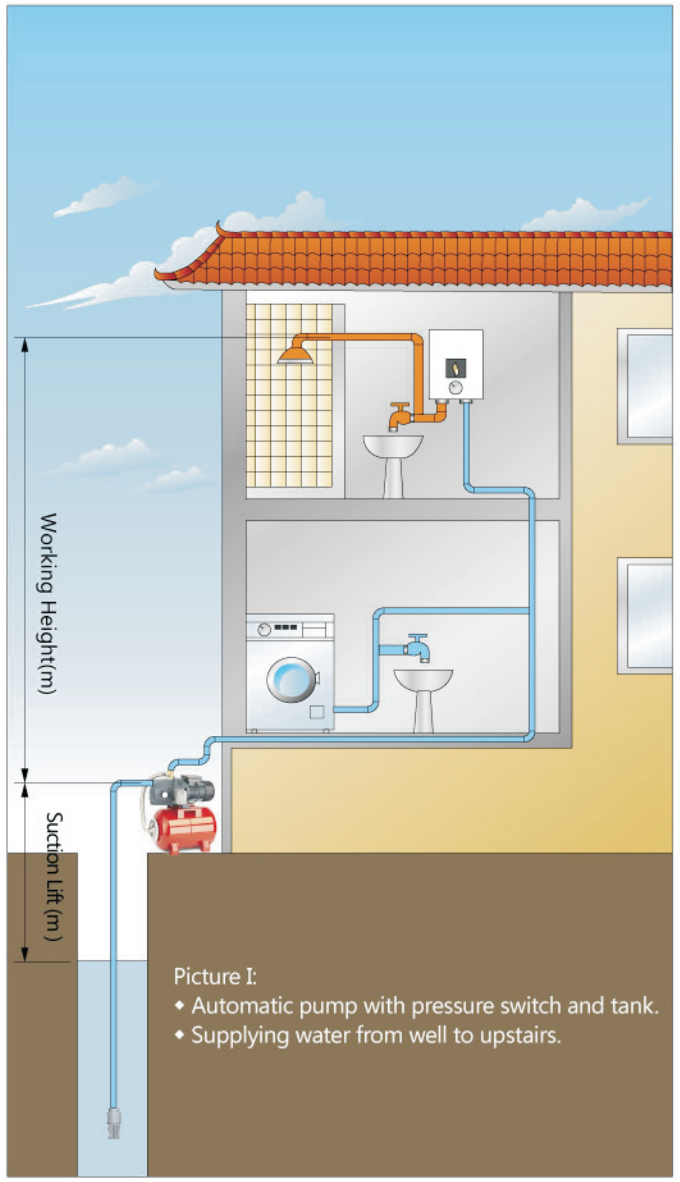
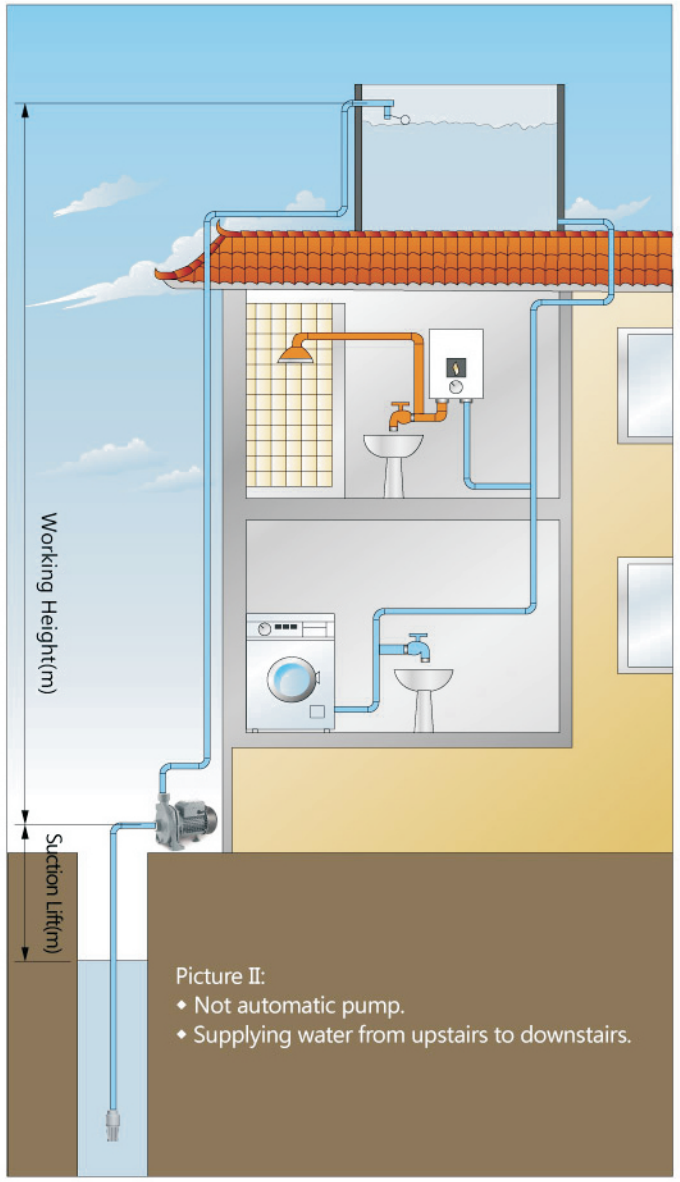
INSTALLATION INSTRUCTION BY VOSSCHE





Application

- Clean water without abrasive particles, non-aggressive liquid.
- Domestic use.
- In particular for delivering water in combination with small pressure sets and for irrigation.
- Installed in enclosed places, or at least protected against inclement weather.

Operating Conditions

- Suction lift up to 8m.
- Liquid temperature up to +40℃.
- Ambient temperature up to +40℃.
- Max. working pressure: 6 bar.

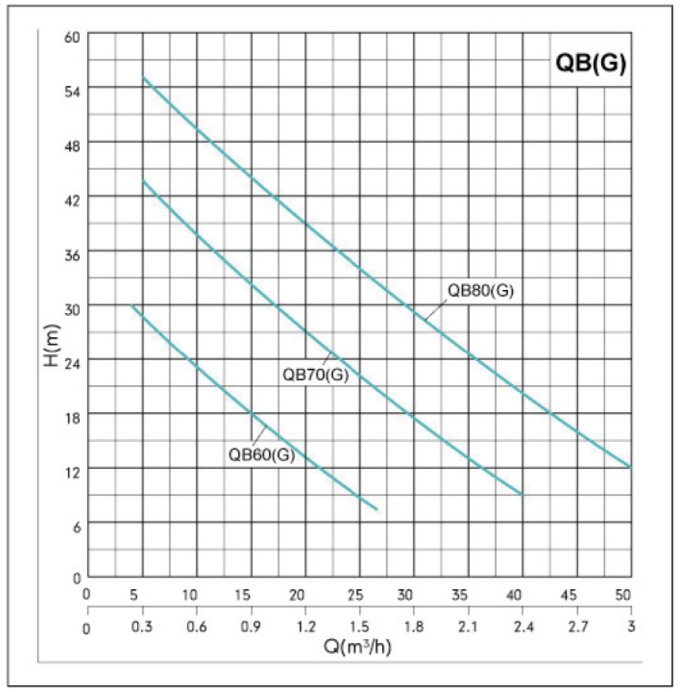
Motor

- 2-pole induction motor: 50Hz.
- Insulation: Class B.
- Protection: IP 44.
- With capacitor and thermal overload protection.

Material

- Pump body: Cast iron.
- Motor bracket: Aluminum.
- Impeller: Brass.
- Shaft with rotor: Stainless steel or Cs45#.
- Mechanical seal: Ceramic-Graphite.
- Copper winding.

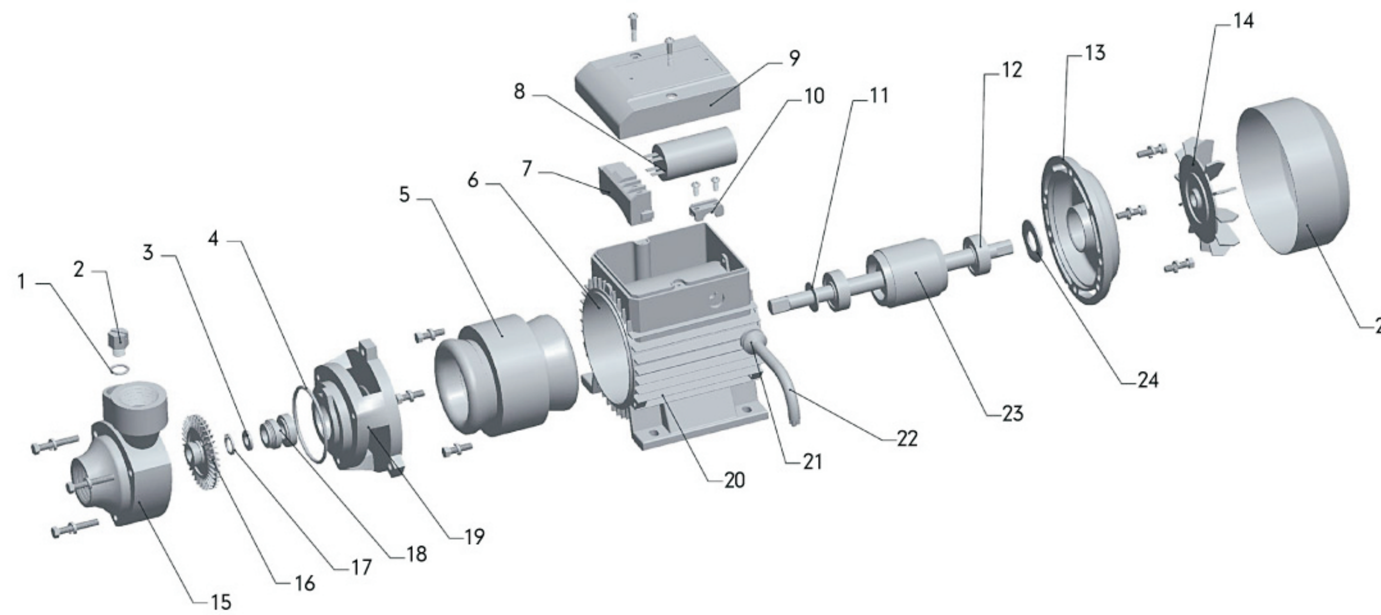
Hydraulic Performance Curve



QB(G)

RPM: n=2850 r/min

Model	Power		Inlet	Outlet	Max.Flow	Max.Head	Max.Suction	Dim.	G. W.	20' Loading Qty.
Single-Phase	kW	HP	(Inch)	(Inch)	(m^3/h)	(m)	(m)	(mm)	(kg)	(pcs)
QB60	0.37	0.5	1	1	1.6	33	8	280×140×170	5.3	3600
QB70	0.55	0.75	1	1	2.4	48	8	335×190×210	9	2100
QB80	0.75	1	1	1	3	60	8	340×190×210	9.5	2100
QB60G	0.37	0.5	1	1	1.6	33	8	280×140×170	5.3	3600
QB70G	0.55	0.75	1	1	2.4	48	8	335×190×210	9	2100
QB80G	0.75	1	1	1	3	60	8	340×190×210	9.5	2100



No.	Component	No.	Component	No.	Component	No.	Component
1	O-ring	8	Capacitor	14	Fan	20	Motor housing
2	Air faucet	9	Terminal block cover	15	Pump body	21	Cable sleeve
3	Washer	10	Cable control cover	16	Impeller	22	Cable
4	O-ring	11	Waterproof ring	17	Shaft circlip	23	Rotor
5	Stator	12	Bearing	18	Mechanical seal	24	Wave spring
6	Motor housing	13	End cover	19	Coupling	25	Fan cover
7	Terminal board	-	-	-	-	-	-

Palletization

Model	Qty/Pallet	Height	G.W.	20'
Single-Phase	(pcs)	(mm)	(kg)	Total Pallets
QB60	Upper pallet:96	820	550	20pallets
	Lower pallet:144	1000	806	
QB70	Upper pallet:64	1000	630	20pallets
	Lower pallet:64	1020	622	
QB80	Upper pallet:64	1000	662	20pallets
	Lower pallet:64	1020	654	
QB60G	Upper pallet:96	820	550	20pallets
	Lower pallet:144	1200	806	
QB70G	Upper pallet:64	1000	630	20pallets
	Lower pallet:64	1020	622	
QB80G	Upper pallet:64	1000	662	20pallets
	Lower pallet:64	1020	654	

Application

- Clean water without abrasive particles, non-aggressive liquid.
- Domestic use.
- In particular for delivering water in combination with small pressure sets and for irrigation.
- Installed in enclosed places, or at least protected against inclement weather.

Operating Conditions

- Suction lift up to 8m.
- Liquid temperature up to +40℃.
- Ambient temperature up to +40℃.
- Max. working pressure: 6 bar.

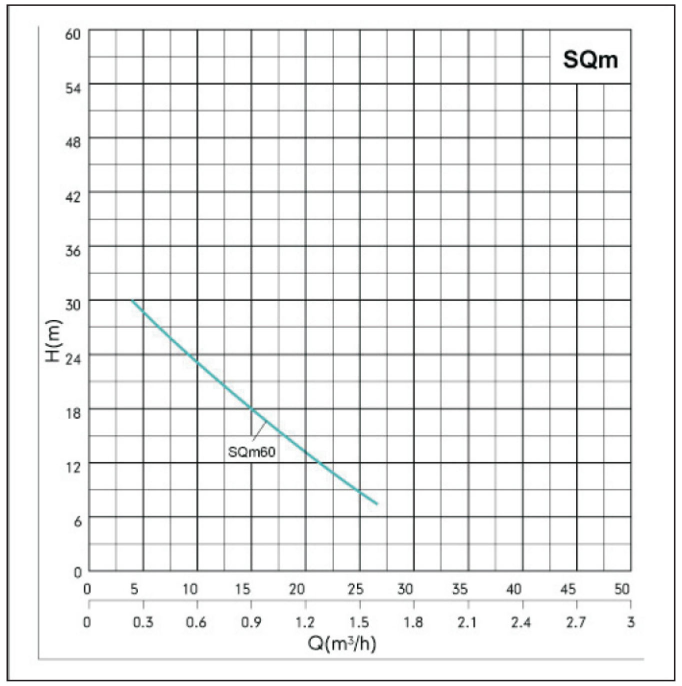
Motor

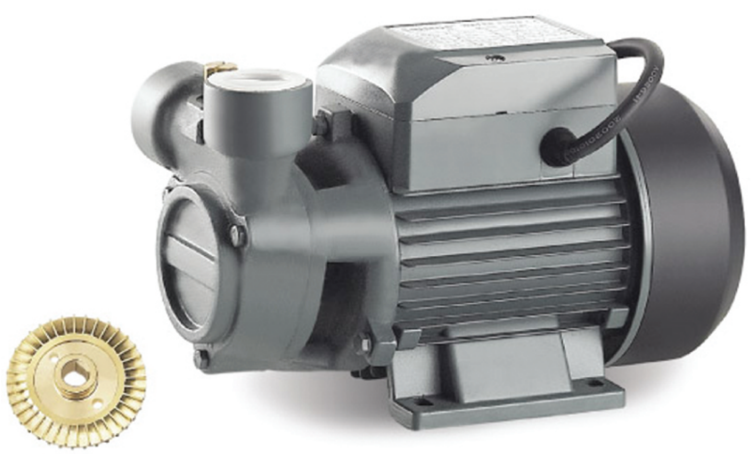
- 2-pole induction motor: 50Hz.
- Insulation: Class B.
- Protection: IP 44.
- With capacitor and thermal overload protection.

Material

- Pump body: Cast iron.
- Motor bracket: Aluminum.
- Impeller: Brass.
- Shaft with rotor: Stainless steel or Cs45#.
- Mechanical seal: Ceramic-Graphite.
- Copper winding.

Hydraulic Performance Curve

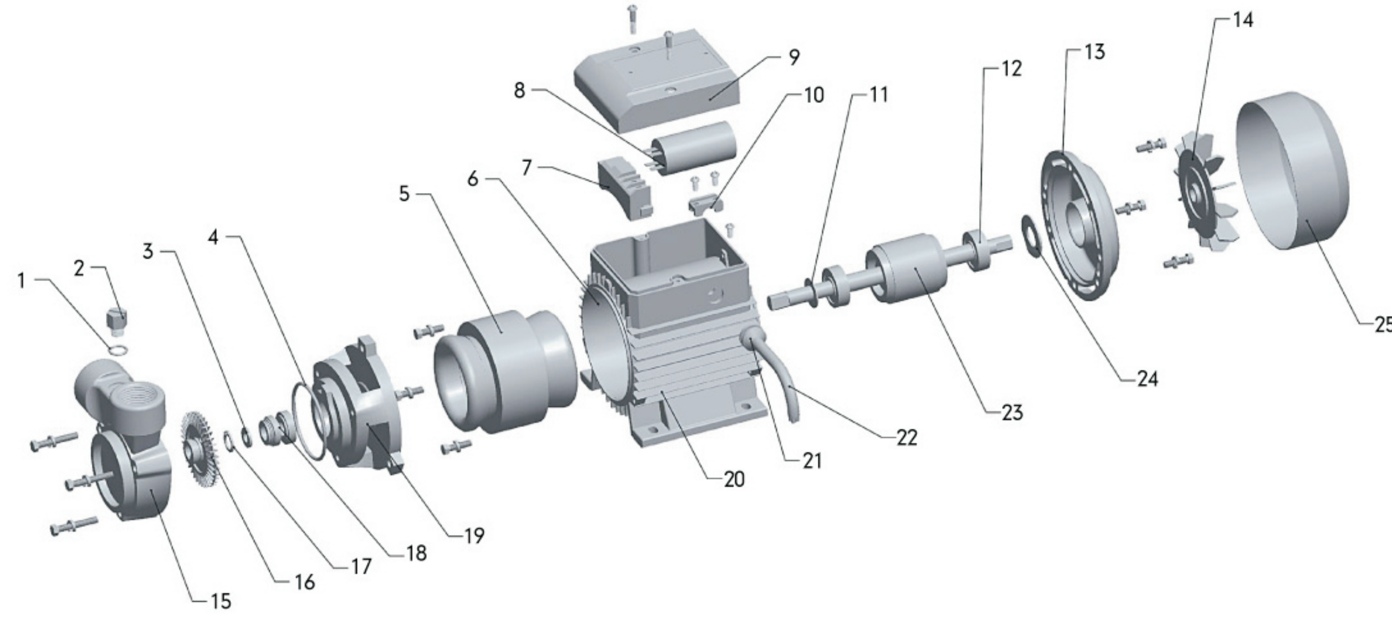




SQm

RPM: n=2850 r/min

Model	Power		Inlet (Inch)	Outlet (Inch)	Max.Flow (m^3/h)	Max.Head (m)	Max.Suction (m)	Dim. (mm)	G. W. (kg)	20' Loading Qty. (pcs)
Single-Phase	kW	HP								
SQm60	0.37	0.5	1	1	1.6	33	8	280×140×170	5.3	3800



No.	Component	No.	Component	No.	Component	No.	Component
1	O-ring	8	Capacitor	14	Fan	20	Motor housing
2	Air faucet	9	Terminal block cover	15	Pump body	21	Cable sleeve
3	Washer	10	Cable control cover	16	Impeller	22	Cable
4	O-ring	11	Waterproof ring	17	Shaft circlip	23	Rotor
5	Stator	12	Bearing	18	Mechanical seal	24	Wave spring
6	Motor housing	13	End cover	19	Coupling	25	Fan cover
7	Terminal board	-	-	-	-	-	-

Palletization

Model	Qty/Pallet	Height	G.W.	20'
Single-Phase	(pcs)	(mm)	(kg)	Total Pallets
SQm60	Upper pallet:96	820	550	20pallets
	Lower pallet:144	1200	806	

Application

- Clean water without abrasive particles.
- Domestic use, irrigation of gardens and allotments etc.
- High head.
- Suitable for water lifting, distribution with small or medium pressure sets.
- Installed in enclosed places, or at least protected against inclement weather.

Operating Conditions

- Suction lift up to 9m.
- Liquid temperature up to +40℃.
- Ambient temperature up to +40℃.
- Max. working pressure: 6 bar.

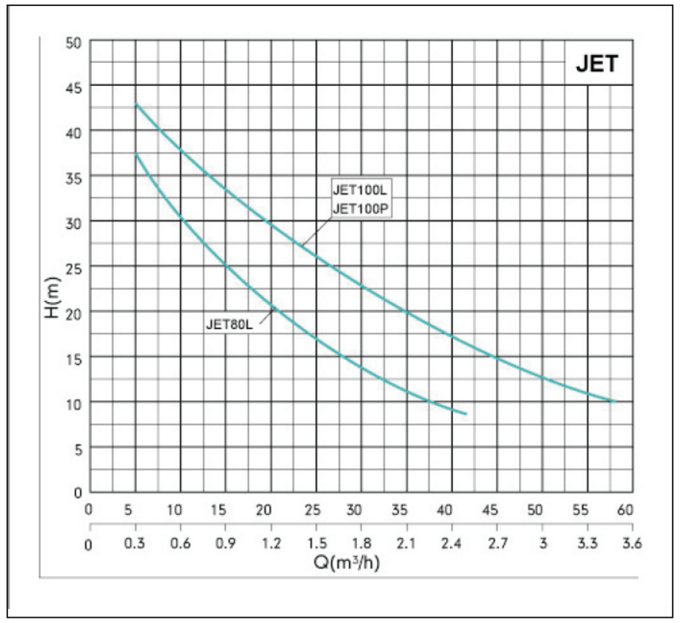
Motor

- 2-pole induction motor: 50Hz.
- Insulation: Class B.
- Protection: IP 44.
- With capacitor and thermal overload protection.

Material

- Pump body: Cast iron.
- Motor bracket: Aluminum.
- Impeller: Brass.
- Shaft with rotor: Stainless steel or Cs45#.
- Mechanical seal: Ceramic-Graphite.
- Copper winding.

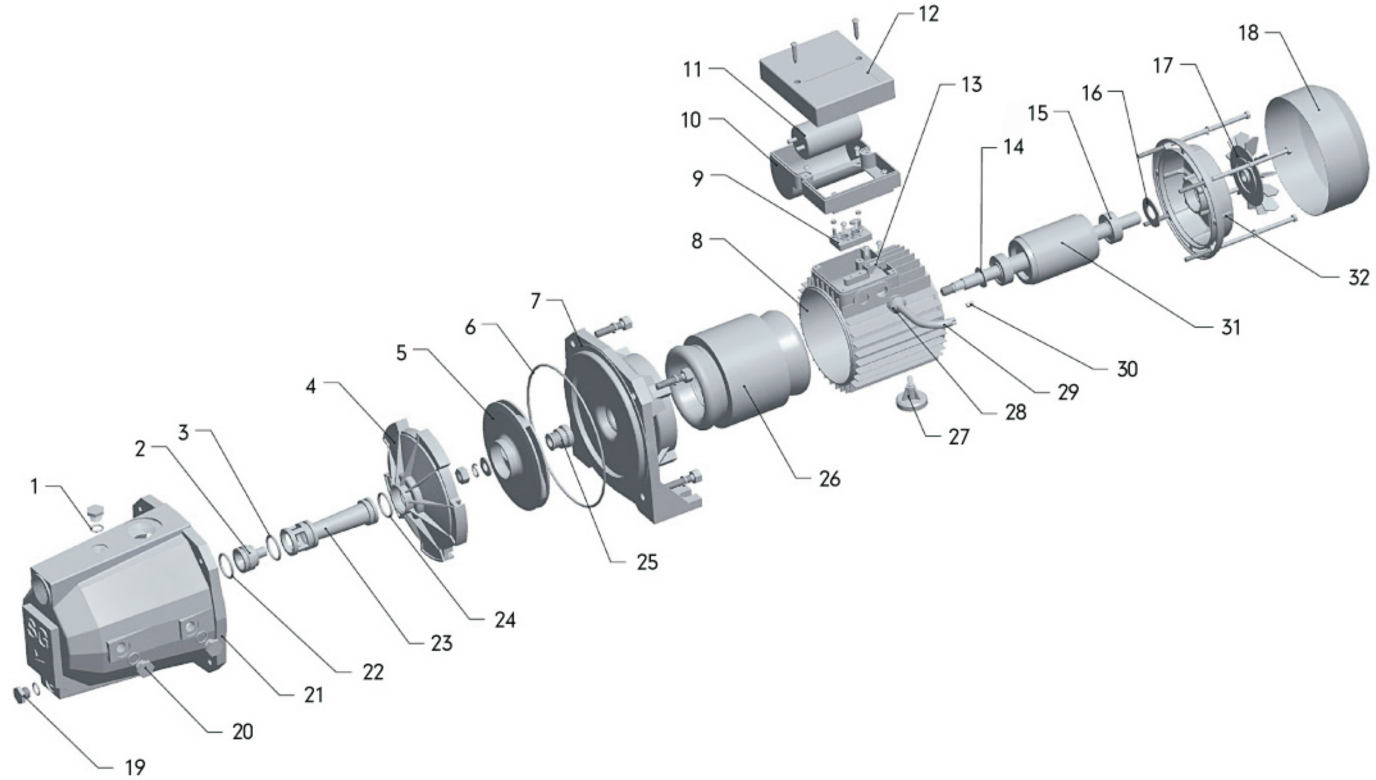
Hydraulic Performance Curve



JET

RPM: n=2850 r/min

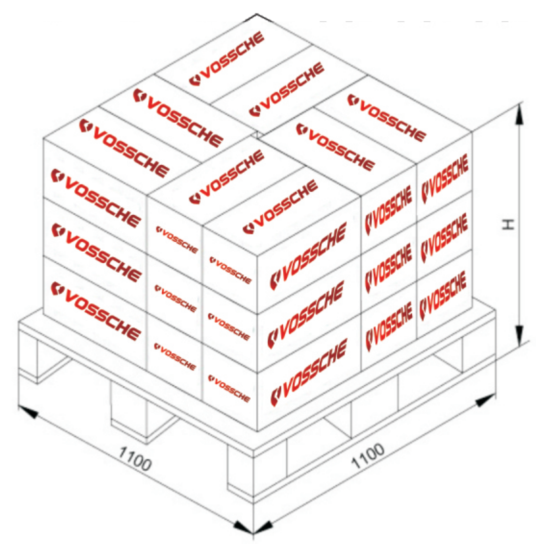
Model	Power		Inlet	Outlet	Max.Flow	Max.Head	Max.Suction	Dim.	G. W.	20'
Single-Phase	kW	HP	(Inch)	(Inch)	(m^3/h)	(m)	(m)	(mm)	(kg)	Loading Qty. (pcs)
JET80L	0.55	0.75	1	1	2.5	42	9	475×190×220	17.5	1200
JET100P	0.75	1	1	1	3.5	46	9	475×190×220	18	1150
JET100L	0.75	1	1	1	3.5	46	9	475×190×220	18.5	1100



No.	Component	No.	Component	No.	Component	No.	Component
1	O-ring	9	Terminal board	17	Fan	25	Mechanical seal
2	Nozzle	10	Terminal block	18	Fan cover	26	Stator
3	O-ring	11	Capacitor	19	Water faucet	27	Foot
4	Guide vane	12	Terminal block cover	20	Air faucet	28	Cable sleeve
5	Impeller	13	Cable control cover	21	Pump body	29	Cable
6	O-ring	14	Waterproof ring	22	O-ring	30	Key
7	Coupling	15	Bearing	23	Injection	31	Rotor
8	Motor housing	16	Wave spring	24	O-ring	32	End cover

Palletization

Model	Qty/Pallet	Height	G.W.	20'
Single-Phase	(pcs)	(mm)	(kg)	Total Pallets
JET80L	Upper pallet:48	980	862	20pallets
	Lower pallet:48	1000	854	
JET100P	Upper pallet:48	980	886	20pallets
	Lower pallet:48	1000	878	
JET100L	Upper pallet:48	980	910	20pallets
	Lower pallet:48	1000	902	



SGJW

SELF-PRIMING JET PUMPS

Application

- Clean water without abrasive particles.
- Domestic use, irrigation of gardens and allotments etc.
- High head.
- Suitable for water lifting, distribution with small or medium pressure sets.
- Installed in enclosed places, or at least protected against inclement weather.

Operating Conditions

- Suction lift up to 9m.
- Liquid temperature up to +40℃.
- Ambient temperature up to +40℃.
- Max. working pressure: 6 bar.

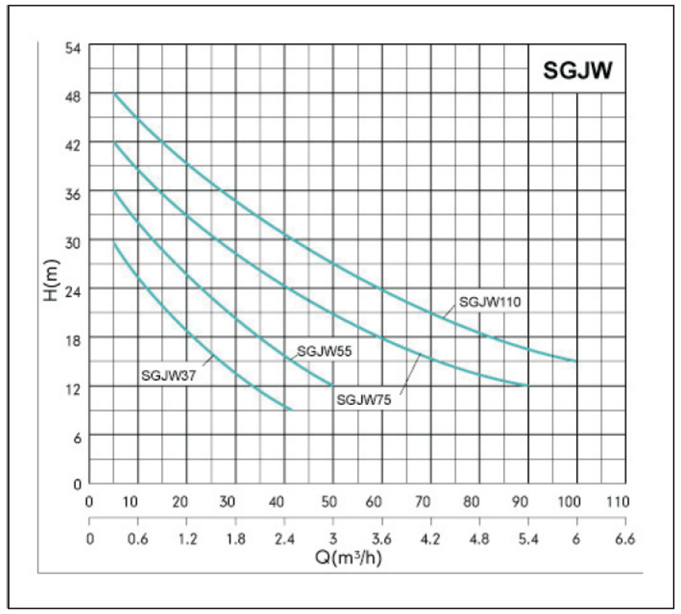
Motor

- 2-pole induction motor: 50Hz.
- Insulation: Class B.
- Protection: IP 44.
- With capacitor and thermal overload protection.

Material

- Pump body: Cast iron.
- Motor bracket: Aluminum.
- Impeller: Brass.
- Shaft with rotor: Stainless steel or Cs45#.
- Mechanical seal: Ceramic-Graphite or Silicon carbide-Graphite.
- Copper winding.

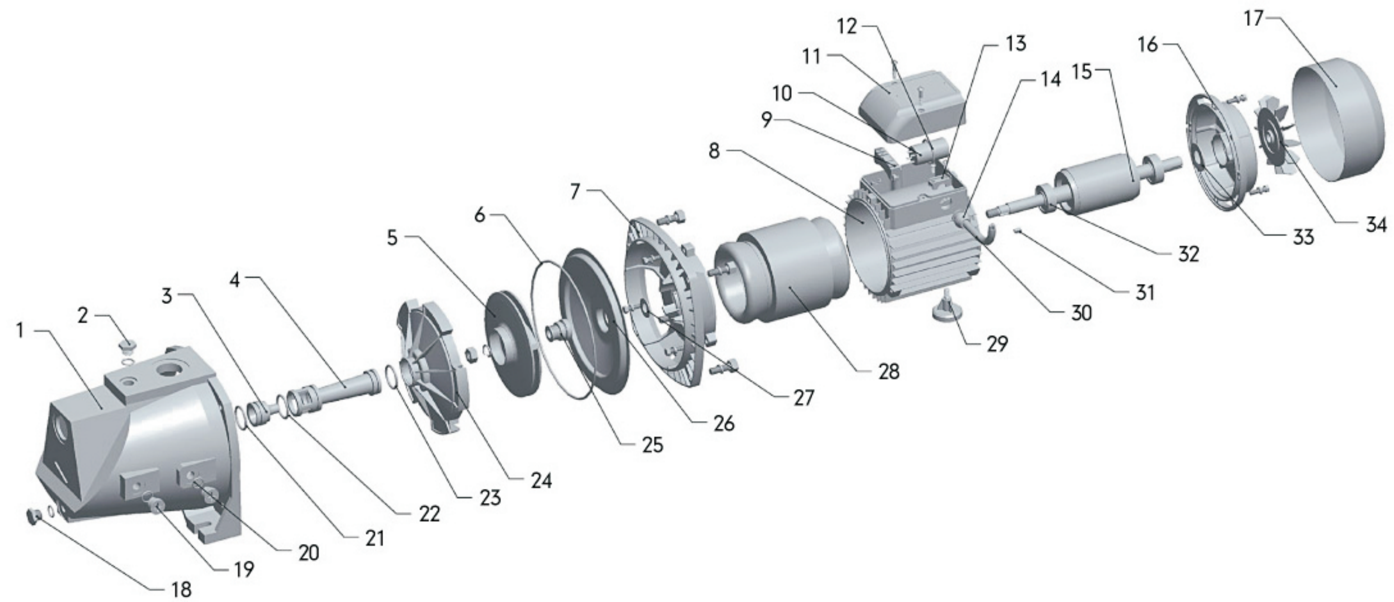
Hydraulic Performance Curve



SGJW

RPM: n=2850 r/min

Model	Power		Inlet (Inch)	Outlet (Inch)	Max.Flow (m^3/h)	Max.Head (m)	Max.Suction (m)	Dim. (mm)	G. W. (kg)	20' Loading Qty. (pcs)
Single-Phase	kW	HP								
SGKW37	0.37	0.5	1	1	2.5	32	8	390×190×230	9.5	1700
SGKW55	0.55	0.75	1	1	3	41	9	475×195×240	17	1200
SGKW75	0.75	1	1	1	5.4	46	9	475×195×240	18	1150
SGKW110	1.1	1.5	1	1	6	52	9	475×195×240	18.5	1100



No.	Component	No.	Component	No.	Component	No.	Component
1	Pump body	10	Capacitor	19	Air faucet	27	Waterproof ring
2	Air faucet	11	Terminal block cover	20	O-ring	28	Stator
3	Nozzle	12	O-ring	21	O-ring	29	Foot
4	Injection pipe	13	Cable control cover	22	O-ring	30	Cable
5	Impeller	14	Cable sleeve	23	O-ring	31	Key
6	O-ring	15	Rotor	24	Guide vane	32	Bearing
7	Coupling	16	End cover	25	Mechanical seal	33	Wave spring
8	Motor housing	17	Fan cover	26	Pump cover	34	Fan
9	Terminal board	18	Water faucet	-	-	-	-

Palletization

Model	Qty/Pallet	Height	G.W.	20'
Single-Phase	(pcs)	(mm)	(kg)	Total Pallets
SGJW37	Upper pallet:32	1080	342	20pallets
	Lower pallet:32	1100	334	
SGJW55	Upper pallet:32	1000	582	20pallets
	Lower pallet:32	1020	574	
SGJW75	Upper pallet:32	1000	614	20pallets
	Lower pallet:32	1020	606	
SGJW110	Upper pallet:32	1000	630	20pallets
	Lower pallet:32	1020	622	

SGJS

SELF-PRIMING JET PUMPS

Application

- Clean water without abrasive particles.
- Domestic use, irrigation of gardens and allotments etc.
- High head.
- Suitable for water lifting, distribution with small or medium pressure sets.
- Installed in enclosed places, or at least protected against inclement weather.

Operating Conditions

- Suction lift up to 9m.
- Liquid temperature up to +40℃.
- Ambient temperature up to +40℃.
- Max. working pressure: 6 bar.

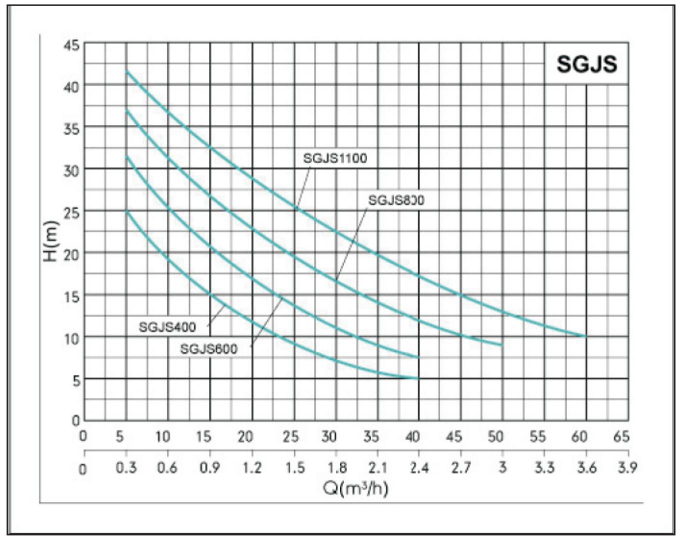
Motor

- 2-pole induction motor: 50Hz.
- Insulation: Class B.
- Protection: IP 44.
- Single-phase with capacitor and thermal overload protection.

Material

- Pump body: stainless steel.
- Motor bracket: Aluminum.
- Impeller: POM.
- Shaft with rotor: Stainless steel or Cs45#.
- Ejector: POM.
- Mechanical seal: Ceramic-Graphite or Silicon carbide-Graphite.
- Copper winding.

Hydraulic Performance Curve



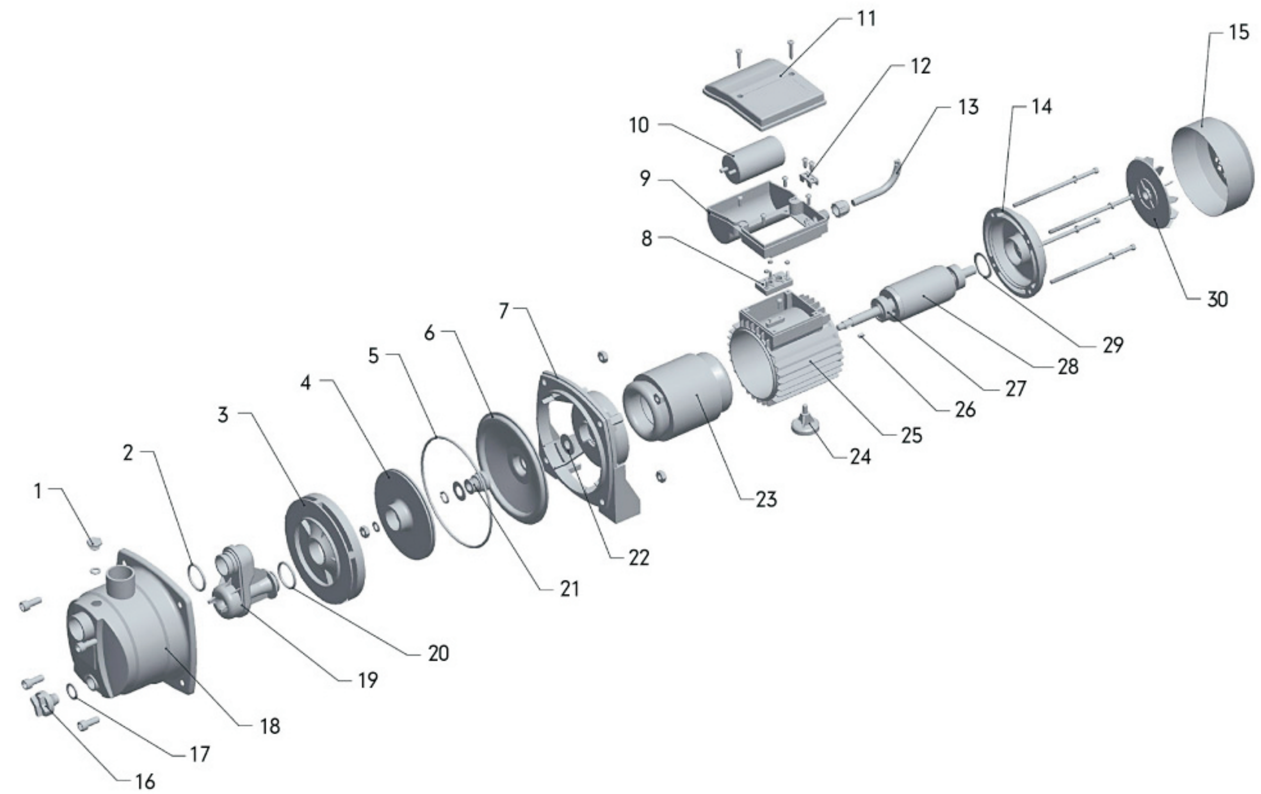
SGJS

RPM: n=2850 r/min

Model	Power		Inlet (Inch)	Outlet (Inch)	Max.Flow (m^3/h)	Max.Head (m)	Max.Suction (m)	Dim. (mm)	G. W. (kg)	20' Loading Qty. (pcs)
Single-Phase	kW	HP								
SGJS400	0.4	0.54	1	1	2.4	28	9	350×195×215	6	1950
SGJS600	0.6	0.8	1	1	2.4	35	9	350×195×215	6.4	1950
SGJS800	0.8	1.1	1	1	3	42	9	410×210×240	9	1400
SGJS1100	1.1	1.5	1	1	3.6	45	9	410×210×240	9.7	1400

SELF-PRIMING JET PUMPS

SGJS



No.	Component	No.	Component	No.	Component	No.	Component
1	Air faucet	9	Terminal block	14	O-ring	24	Foot
2	O-ring	10	Capacitor	18	Pump body	25	Motor housing
3	Guide vane	11	Terminal block cover	19	Jet casing	26	Key
4	Impeller	12	Cable control cover	20	O-ring	27	Bearing
5	O-ring	13	Cable	21	Mechanical seal	28	Rotor
6	Pump cover	14	End cover	22	Waterproof ring	29	Wave spring
7	Coupling	15	Fan cover	23	Stator	30	Fan
8	Terminal board	16	Water faucet	-	-	-	-

Palletization

Model	Qty/Pallet	Height	G.W.	20'
Single-Phase	(pcs)	(mm)	(kg)	Total Pallets
SGJS400	Upper pallet:64	960	432	20pallets
	Lower pallet:80	1195	526	
SGJS600	Upper pallet:64	960	457	20pallets
	Lower pallet:80	1195	558	
SGJS800	Upper pallet:48	1060	478	20pallets
	Lower pallet:48	1080	470	
SGJS1100	Upper pallet:48	1060	512	20pallets
	Lower pallet:48	1080	504	

CP(m)

CENTRIFUGAL PUMPS

Application

- Clean water with little impurities, non corrosive liquid.
- Domestic use, agricultural and irrigation.
- Installed in enclosed places, or at least protected against inclement weather.

Operating Conditions

- Suction lift up to 7m.
- Liquid temperature up to +40℃.
- Ambient temperature up to +40℃.
- Max. working pressure: 6 bar.

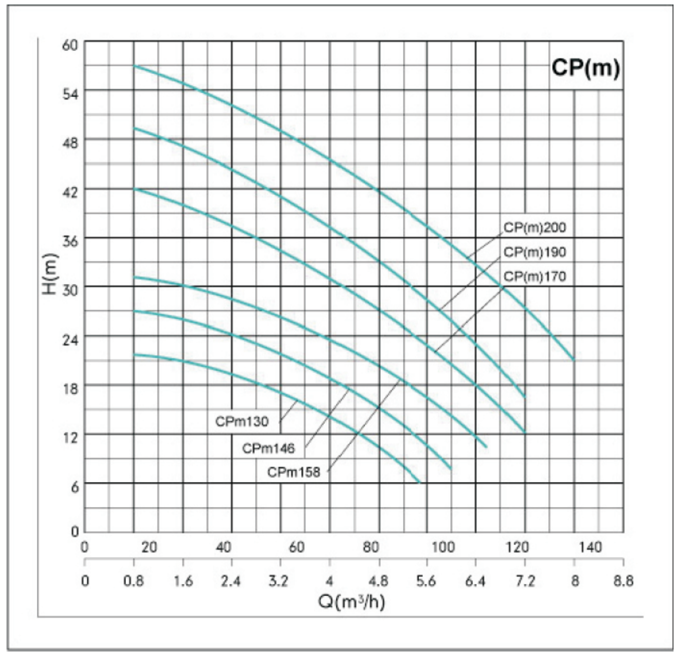
Motor

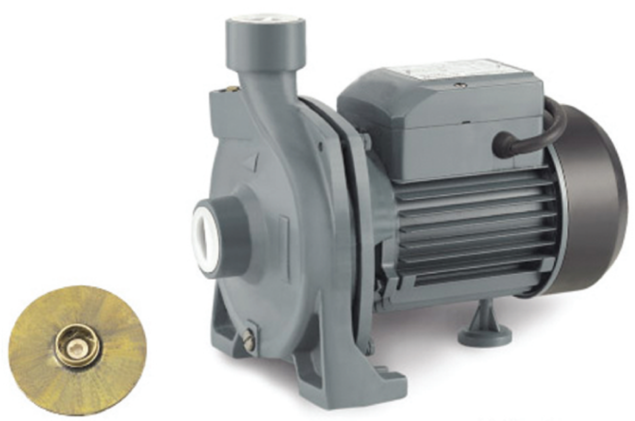
- 2-pole induction motor: 50Hz.
- Insulation: Class B.
- Protection: IP 44.
- Single-phase with capacitor and thermal overload protection.

Material

- Pump body: stainless steel.
- Motor bracket: Aluminum.
- Impeller: Brass.
- Shaft with rotor: Stainless steel or Cs45#.
- Mechanical seal: Ceramic-Graphite.
- Copper winding.

Hydraulic Performance Curve

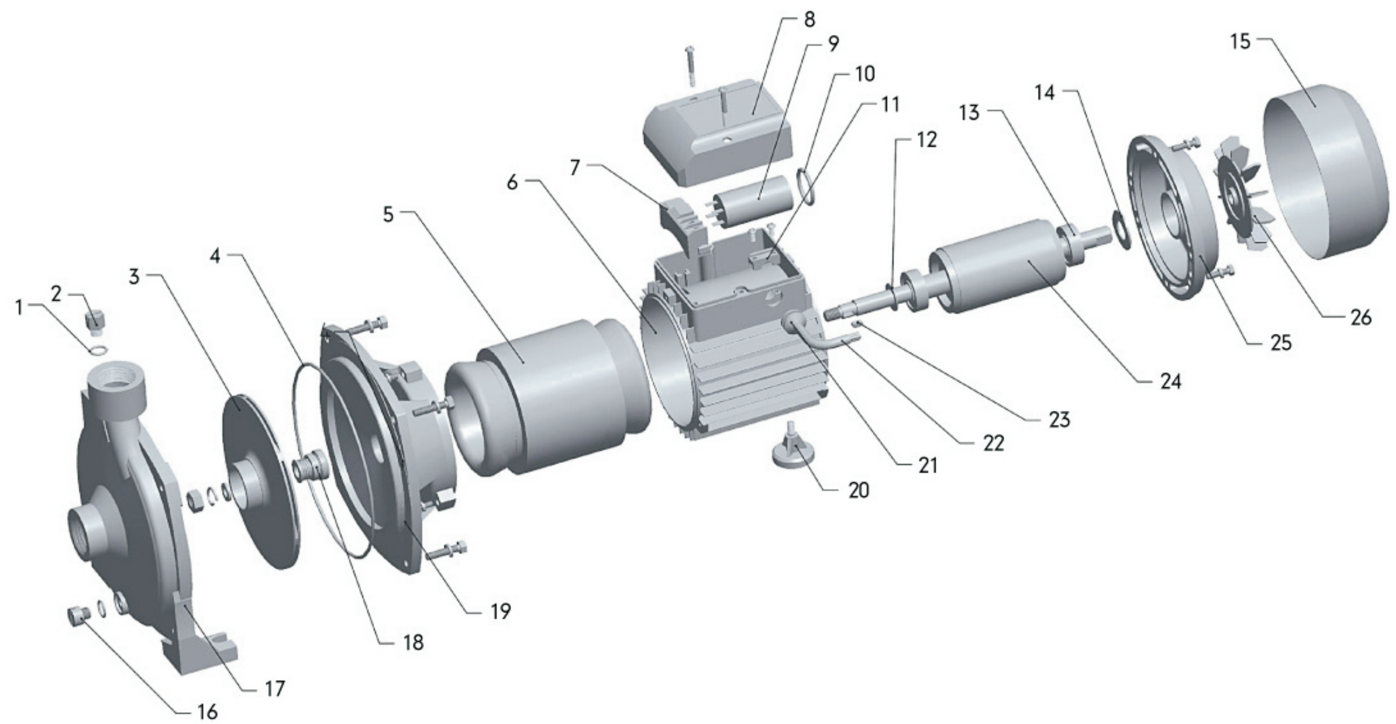




CP(m)

RPM: n=2850 r/min

Model		Power		Inlet (Inch)	Outlet (Inch)	Max.Flow (m³/h)	Max.Head (m)	Max.Suction (m)	Dim. (mm)	G. W. (kg)		20' Loading Qty. (pcs)
Single-Phase	Three-Phase	kW	HP							G(s)	G(t)	
CPm130	-	0.37	0.5	1	1	5.5	22	7	280×185×230	9.5	-	2200
CPm146	-	0.55	0.75	1	1	6	26	7	340×210×265	12.5	-	1550
CPm158	-	0.75	1	1	1	6.5	32	7	340×210×265	13.5	-	1500
CPm170	CP170	1.1	1.5	1.25	1	7.2	44	7	390×240×290	22	20.5	900
CPm190	CP190	1.6	2.2	1	1	7.2	52	7	390×260×320	26	25	800
CPm200	CP200	2.2	3	1	1	8	59	7	455×280×340	33.5	30	600



No.	Component	No.	Component	No.	Component	No.	Component
1	O-ring	8	Cable block cover	15	Fan cover	21	Cable sleeve
2	Air faucet	9	Capacitor	16	Water faucet	22	Cable
3	Impeller	10	O-ring	17	Pump body	23	Key
4	O-ring	11	Cable control cover	18	Mechanical seal	24	Rotor
5	Stator	12	Waterproof ring	19	Coupling	25	End cover
6	Motor housing	13	Bearing	20	Foot	26	Fan
7	Terminal board	14	Wave spring	-	-	-	-

Palletization

Model		Qty/Pallet	Height	G.W.(kg)		20'
Single-Phase	Three-Phase	(pcs)	(mm)	G(s)	G(t)	Total Pallets
CPm130	-	Upper pallet:72	1080	742	-	20pallets
		Lower pallet:72	1100	734	-	
CPm146	-	Upper pallet:36	940	490	-	20pallets
		Lower pallet:48	1240	638	-	
CPm158	-	Upper pallet:36	940	508	-	20pallets
		Lower pallet:48	1240	662	-	
CPm170	CP170	Upper pallet:30	970	682	637	20pallets
		Lower pallet:30	990	674	629	
CPm190	CP190	Upper pallet:30	1060	802	772	20pallets
		Lower pallet:30	1080	794	764	
CPm200	CP200	Upper pallet:16	780	802	502	20pallets
		Lower pallet:24	1140	818	734	

SHF(m)

CENTRIFUGAL PUMPS

Application

- Clean water with little impurities, non corrosive liquid.
- Domestic, agricultural and industrial use.
- Big flow, medium-low head.
- Installed in enclosed places, or at least protected against inclement weather.

Operating Conditions

- Suction lift up to 7m.
- Liquid temperature up to +40℃.
- Ambient temperature up to +40℃.
- Max. working pressure: 6 bar.

Motor

- 2-pole induction motor: 50Hz.
- Insulation: Class B.
- Protection: IP 44.
- Single-phase with capacitor and thermal overload protection.

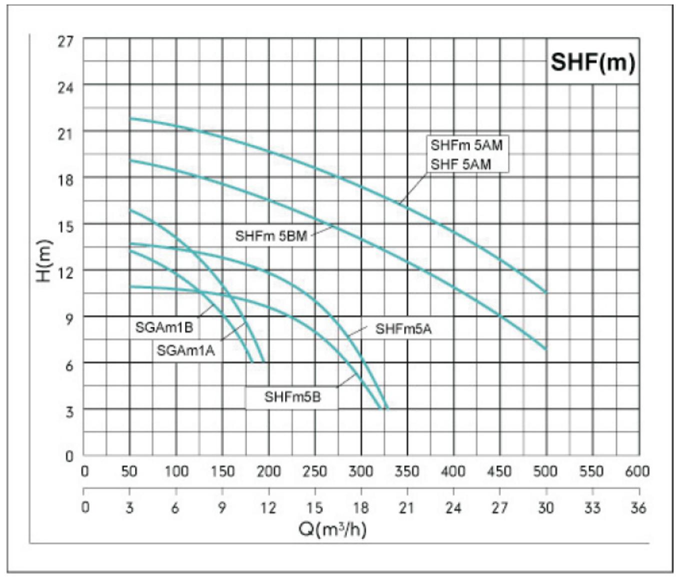
Material

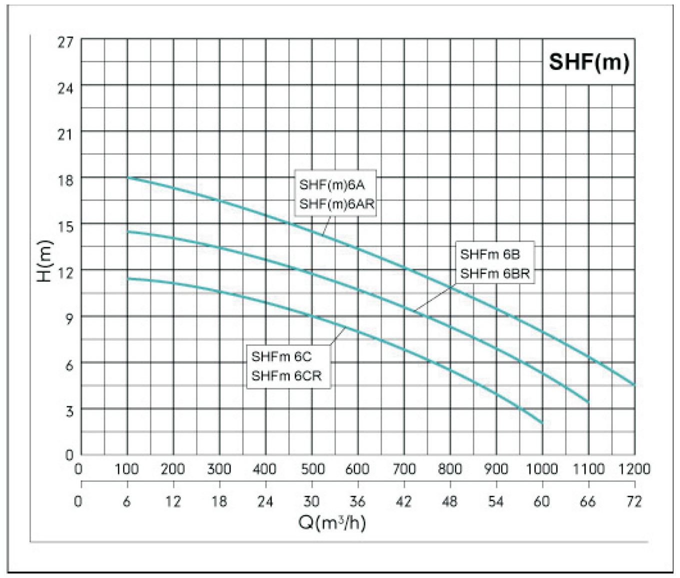
- Pump body: Cast iron.
- Motor bracket: Aluminum.
- Impeller: Brass or Cast iron.
- Shaft with rotor: Stainless steel or Cs45#.
- Mechanical seal: Ceramic-Graphite.
- Copper winding.

SHFm6AR

SHFm5AM / SGAm1A

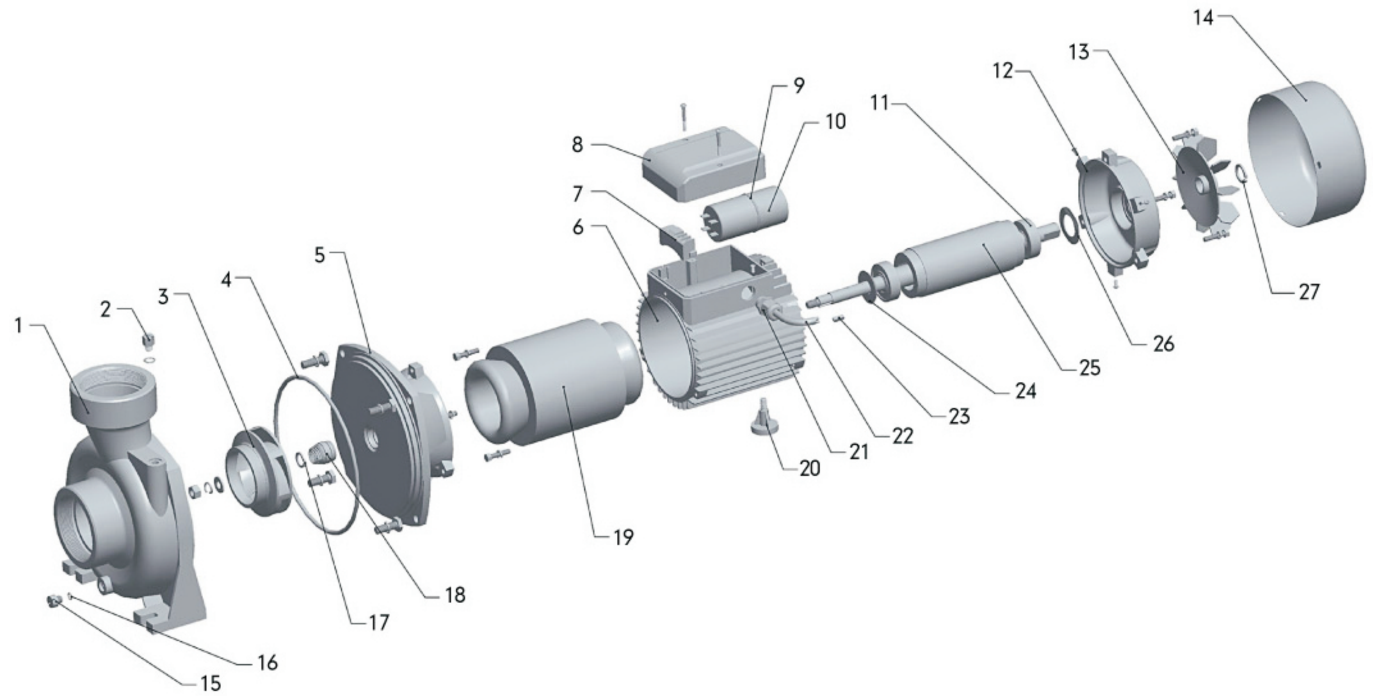
Hydraulic Performance Curve





RPM: n=2850 r/min

Model		Power		Inlet	Outlet	Max.Flow	Max.Head	Max.Suction	Dim.	G. W. (kg)		20' Loading Qty.
Single-Phase	Three-Phase	kW	HP	(Inch)	(Inch)	(m^3/h)	(m)	(m)	(mm)	G(s)	G(t)	(pcs)
SGAm1A	-	0.75	1	1.5	1.5	12	17	7	350×235×255	13	-	1250
SGAm1B	-	0.55	0.75	1.5	1.5	12	14	7	350×235×255	12	-	1250
SHFm5A	-	1.1	1.5	2	2	21	14	7	365×240×265	14	-	1200
SHFm5B	-	0.75	1	2	2	21	11	7	365×240×265	13	-	1200
SHFm5AM	SHF5AM	1.5	2	2	2	30	22.5	7	425×250×295	25	24.5	800
SHFm5BM	-	1.1	1.5	2	2	30	20.2	7	425×250×295	24	-	850
SHFm6A	SHF6A	2.2	3	3	3	72	18.5	7	510×295×355	37	37	540
SHFm6B	-	1.5	2	3	3	66	14.7	7	460×285×345	32	-	630
SHFm6C	-	1.1	1.5	3	3	60	11.9	7	460×285×345	31	-	630
SHFm6AR	SHF6AR	2.2	3	4	4	72	18.5	7	510×295×355	39	39	530
SHFm6BR	-	1.5	2	4	4	66	14.7	7	460×285×345	33	-	630
SHFm6CR	-	1.1	1.5	4	4	60	11.9	7	460×285×345	32	-	630



No.	Component	No.	Component	No.	Component	No.	Component
1	Pump body	8	Terminal block cover	15	Water faucet	22	Cable
2	Air faucet	9	O-ring	16	O-ring	23	Key
3	Impeller	10	Capacitor	17	Shaft circlip	24	Waterproof ring
4	O-ring	11	Bearing	18	Mechanical seal	25	Rotor
5	Coupling	12	End cover	19	Stator	26	Wave spring
6	Motor housing	13	Fan	20	Foot	27	Shaft circlip
7	Terminal board	14	Fan cover	21	Cable locking head	-	-

Palletization

Model		Qty/Pallet	Height	G.W.(kg)		20'
Single-Phase	Three-Phase	(pcs)	(mm)	G(s)	G(t)	Total Pallets
SHFm5AM	SHF5AM	Upper pallet:24	955	622	610	20pallets
		Lower pallet:24	975	614	602	
SHFm5BM	-	Upper pallet:24	955	574	-	20pallets
		Lower pallet:24	975	566	-	
SHFm6A	SHF6A	Upper pallet:16	810	614	614	20pallets
		Lower pallet:24	1185	902	902	
SHFm6B	-	Upper pallet:16	790	534	-	20pallets
		Lower pallet:24	1155	782	-	
SHFm6C	-	Upper pallet:16	790	518	-	20pallets
		Lower pallet:24	1155	758	-	
SHFm6AR	SHF6AR	Upper pallet:16	810	646	646	20pallets
		Lower pallet:24	1185	950	950	
SHFm6BR	-	Upper pallet:16	790	550	-	20pallets
		Lower pallet:24	1155	806	-	
SHFmCR	-	Upper pallet:16	790	534	-	20pallets
		Lower pallet:24	1155	782	-	

2SGP(m)

Application

- Clean water without abrasive particles, non-aggressive liquid.
- Domestic use, agricultural and irrigation.
- Installed in enclosed places, or at least protected against inclement weather.

Operating Conditions

- Suction lift up to 8m.
- Max. working pressure: 6 bar.
- Liquid temperature up to +60℃.
- Ambient temperature up to +40℃.

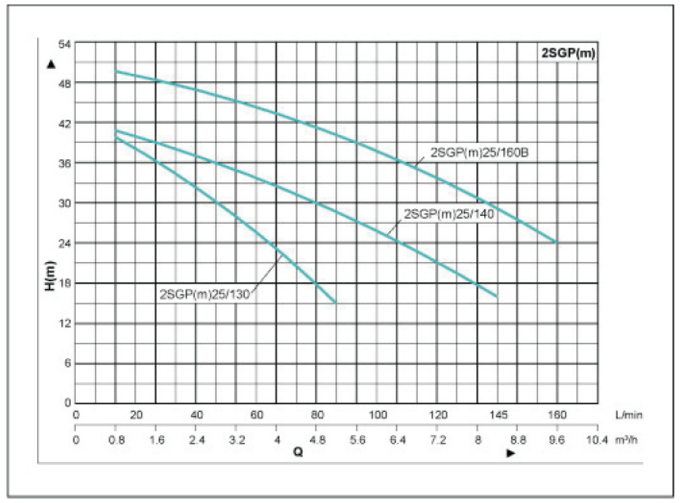
Motor

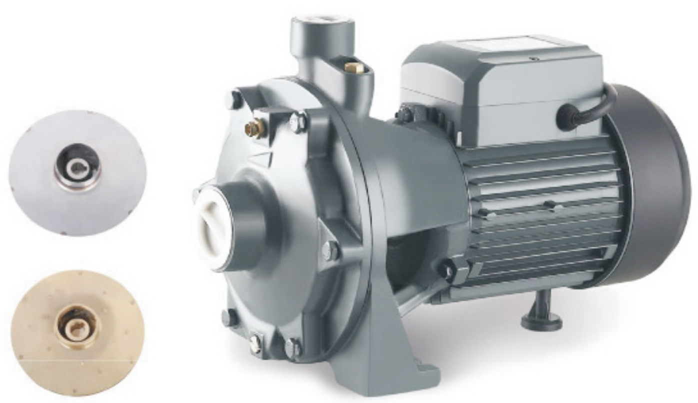
- 2-pole induction motor: 50Hz.
- Insulation: Class B.
- Protection: IP 44.
- Single-phase with capacitor and thermal overload protection.

Material

- Pump body: Cast iron.
- Motor bracket: Aluminum.
- Impeller: Brass or Cast iron.
- Shaft with rotor: Stainless steel or Cs45#.
- Mechanical seal: Ceramic-Graphite.
- Copper winding.

Hydraulic Performance Curve

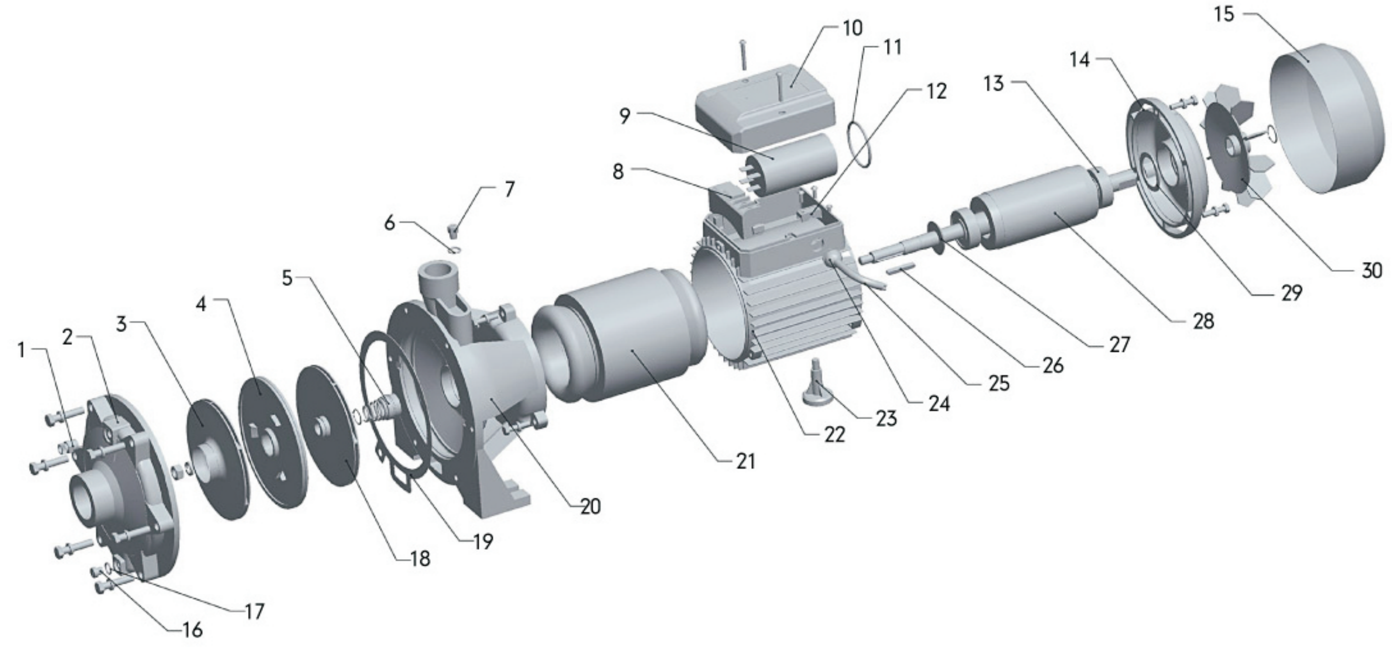




2SGP(m)

RPM: n=2850 r/min

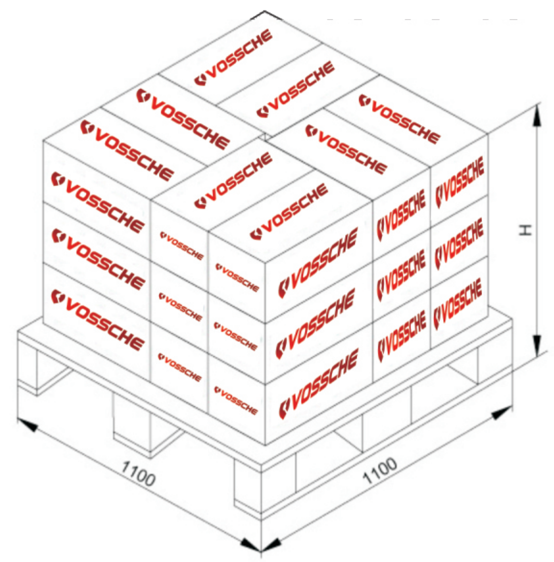
Model		Power		Inlet (Inch)	Outlet (Inch)	Max.Flow (m^3/h)	Max.Head (m)	Max.Suction (m)	Dim. (mm)	G. W. (kg)		20' Loading Qty. (pcs)
Single-Phase	Three-Phase	kW	HP							G(s)	G(t)	
SGPm25/130	SGP25/130	0.75	1	1.25	1	5.1	42	8	385×235×280	17	16.5	1130
SGPm25/140	SGP25/140	1.1	1.5	1.5	1	8.4	42	8	445×255×300	24	23	830
SGPm25/160B	SGP25/160B	1.5	2	1.5	1	9.6	50	8	445×255×300	26	25	800



No.	Component	No.	Component	No.	Component	No.	Component
1	Air faucet	9	Capacitor	17	O-ring	25	Cable
2	Pump body	10	Terminal block cover	18	Impeller	26	Key
3	Impeller	11	O-ring	19	Gasket	27	Waterproof ring
4	Pump cover	12	Cable control cover	20	Coupling	28	Rotor
5	Mechanical seal	13	Bearing	21	Stator	29	Wave spring
6	O-ring	14	End cover	22	Motor housing	30	Fan
7	Air faucet	15	Fan cover	23	Foot	-	-
8	Terminal board	16	Water faucet	24	Cable sleeve	-	-

Palletization

Model		Qty/Pallet	Height	G.W.(kg)		20'
Single-Phase	Three-Phase	(pcs)	(mm)	G(s)	G(t)	Total Pallets
2SGPm25/130	2SGP25/130	Upper pallet:33	940	566	583	20pallets
		Lower pallet:44	1240	740	762	
2SGPm25/140	2SGP25/140	Upper pallet:24	1000	598	574	20pallets
		Lower pallet:24	1020	590	566	
2SGPm25/160B	2SGP25/160B	Upper pallet:24	1000	646	622	20pallets
		Lower pallet:24	1020	638	614	



Application

- Clean water without abrasive particles, non-aggressive liquid.
- Domestic use, agricultural and irrigation.
- Installed in enclosed places, or at least protected against inclement weather.

Operating Conditions

- Suction lift up to 8m.
- Liquid temperature up to +60℃.
- Ambient temperature up to +40℃.
- Max. working pressure: 8 bar.

Motor

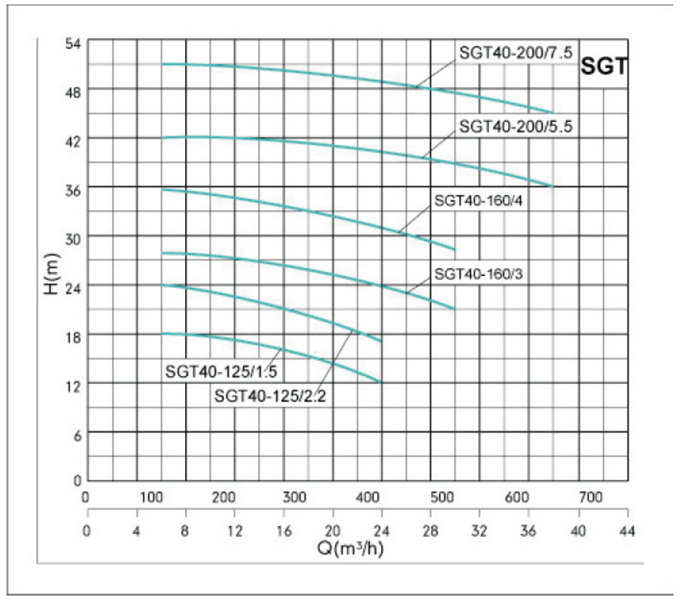
- 2-pole induction motor: 50Hz.
- Insulation: Class B.
- Protection: IP 44.

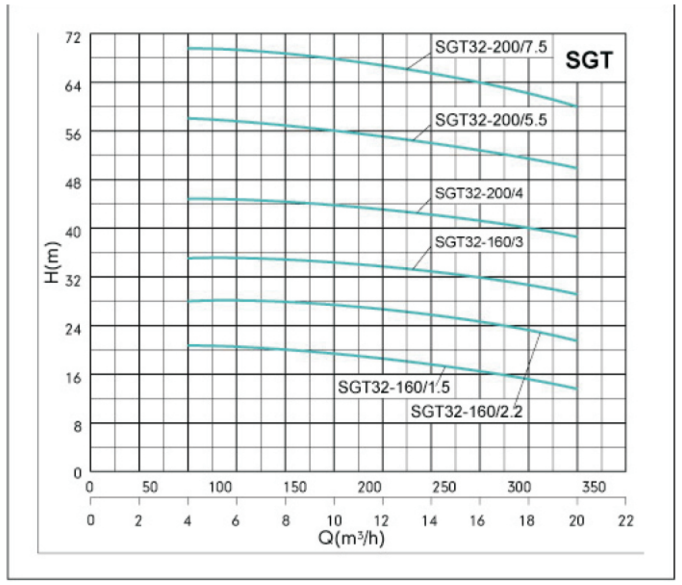
Material

- Pump body: Cast iron.
- Motor bracket: Aluminum.
- Impeller: Cast iron.
- Motor shaft: SS304 and Cs45#.
- Mechanical seal: Silicon carbide-Graphite.
- Copper winding.

SGT

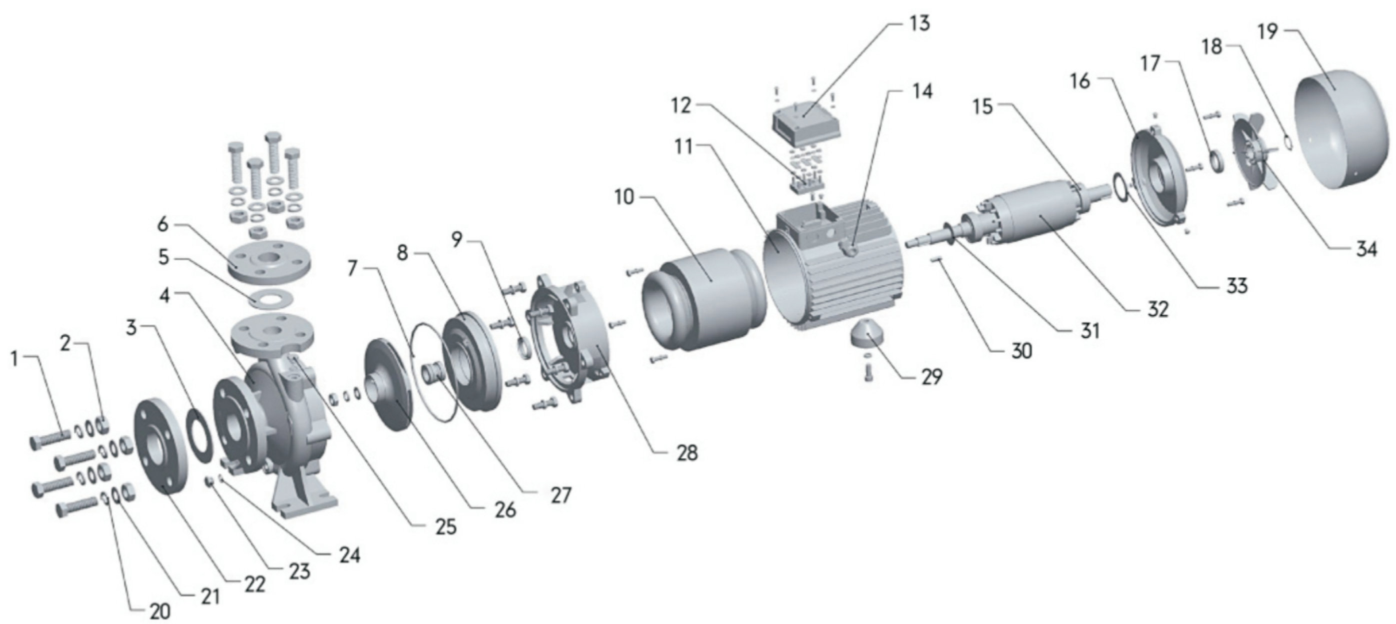
Hydraulic Performance Curve





RPM: n=2850 r/min

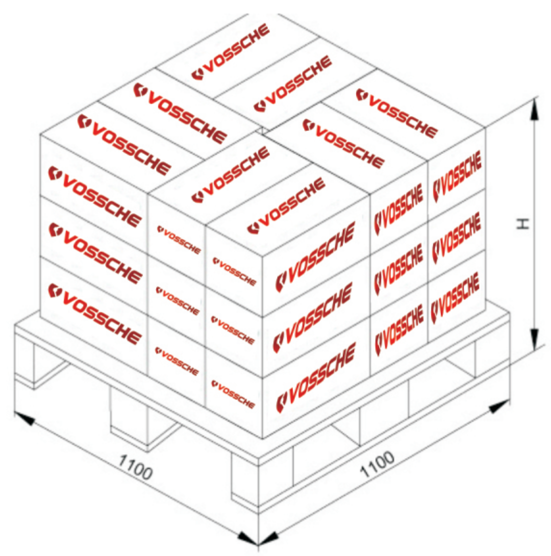
Model	Power		Inlet	Outlet	Max.Flow	Max.Head	Max.Suction	Dim.	G. W.	20' Loading Qty.
Three-Phase	kW	HP	(Inch)	(Inch)	(m^3/h)	(m)	(m)	(mm)	(kg)	(pcs)
SGT32-160/1.5	1.5	2	2	1.25	20	21	8	490×285×355	35	570
SGT32-160/2.2	2.2	3	2	1.25	20	28	8	520×285×355	40	500
SGT32-160/3	3	4	2	1.25	20	35	8	610×305×395	42	400
SGT32-200/4	4	5.5	2	1.25	20	45	8	640×345×445	57	300
SGT32-200/5.5	5.5	7.5	2	1.25	20	58	8	660×345×460	65	300
SGT32-200/7.5	7.5	10	2	1.25	20	70	8	700×345×460	79	250
SGT40-125/1.5	1.5	2	2.5	1.5	24	18	8	490×255×315	34	600
SGT40-125/2.2	2.2	3	2.5	1.5	24	24	8	520×255×315	40	500
SGT40-160/3	3	4	2.5	1.5	30	28	8	625×305×395	48	380
SGT40-160/4	4	5.5	2.5	1.5	30	36	8	665×305×395	55	350
SGT40-200/5.5	5.5	7.5	2.5	1.5	38	42	8	685×330×470	66	270
SGT40-200/7.5	7.5	10	2.5	1.5	38	52	8	735×330×470	80	250



No.	Component	No.	Component	No.	Component	No.	Component
1	Tie-bolt	10	Stator	19	Fan cover	27	Mechanical seal
2	Nut	11	Motor housing	20	Spring gasket	28	Coupling
3	Rubber	12	Terminal board	21	Washer	29	Foot
4	Pump body	13	Terminal block cover	22	Flange	30	Key
5	Rubber	14	Cable locking head	23	Water faucet	31	Waterproof ring
6	Flange	15	Bearing	24	O-ring	32	Rotor
7	O-ring	16	End cover	25	Air faucet	33	Wave spring
8	Pump cover	17	Oil seal	26	Impeller	34	Fan
9	Oil seal	18	Shaft circlip	-	-	-	-

Palletization

Model	Qty/Pallet	Height	G.W.	20'
Three-Phase	(pcs)	(mm)	(kg)	Total Pallets
SGT32-160/1.5	Upper pallet:16	1000	582	20pallets
	Lower pallet:24	1020	854	
SGT32-160/2.2	Upper pallet:16	1000	662	20pallets
	Lower pallet:24	1020	974	
SGT32-160/3	Upper pallet: 8	890	358	20pallets
	Lower pallet:12	1305	518	
SGT32-200/4	Upper pallet: 8	990	478	20pallets
	Lower pallet: 8	1010	470	
SGT32-200/5.5	Upper pallet: 8	990	542	20pallets
	Lower pallet: 8	1010	534	
SGT32-200/7.5	Upper pallet: 8	990	654	20pallets
	Lower pallet: 8	1010	646	
SGT40-125/1.5	Upper pallet:24	1000	838	20pallets
	Lower pallet:24	1020	830	
SGT40-125/2.2	Upper pallet:24	1000	982	20pallets
	Lower pallet:24	1020	974	
SGT40-160/3	Upper pallet: 8	890	406	20pallets
	Lower pallet:12	1305	590	
SGT40-160/4	Upper pallet: 8	890	462	20pallets
	Lower pallet:12	1305	674	
SGT40-200/5.5	Upper pallet: 8	1040	550	20pallets
	Lower pallet: 8	1060	542	
SGT40-200/7.5	Upper pallet: 8	1040	662	20pallets
	Lower pallet: 8	1060	654	



Application

- Clear water, non-aggressive liquid only without sand or other solid impurities.
- Bigger suction with self priming.
- Low power.
- Installed in enclosed places, or at least protected against inclement weather.

Operating Conditions

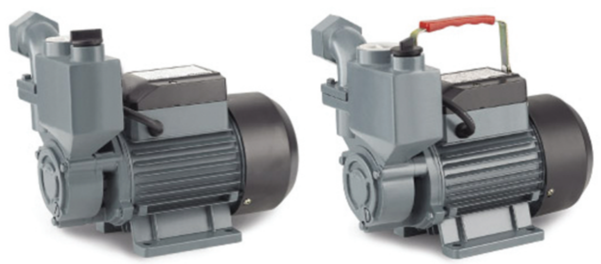
- Suction lift up to 8m.
- Liquid temperature up to +40℃.
- Ambient temperature up to +40℃.
- Max. working pressure: 6 bar.

Motor

- 2-pole induction motor: 50Hz.
- Insulation: Class B.
- Protection: IP 44.
- With capacitor and thermal overload protection.

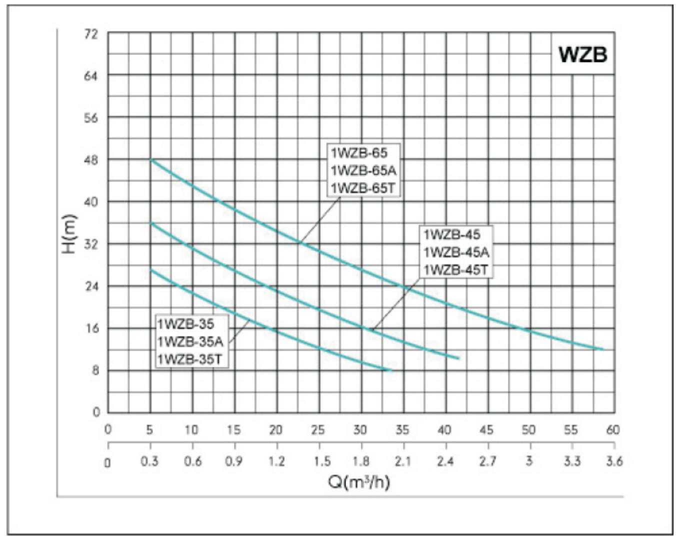
Material

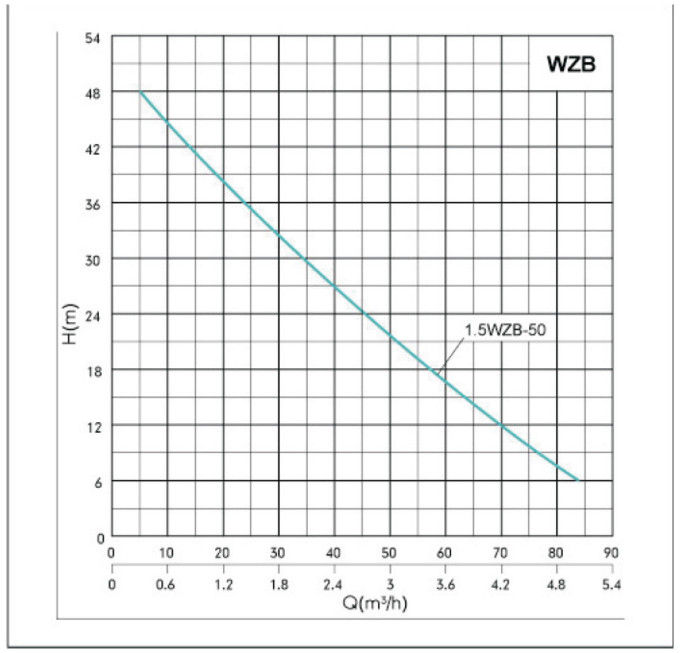
- Pump body: Cast iron.
- Motor bracket: Aluminum or Cast iron.
- Impeller: Brass.
- Shaft with rotor: Stainless steel or Cs45#.
- Mechanical seal: Silicon carbide-Graphite.
- Copper winding.



1WZB-35 1WZB-65

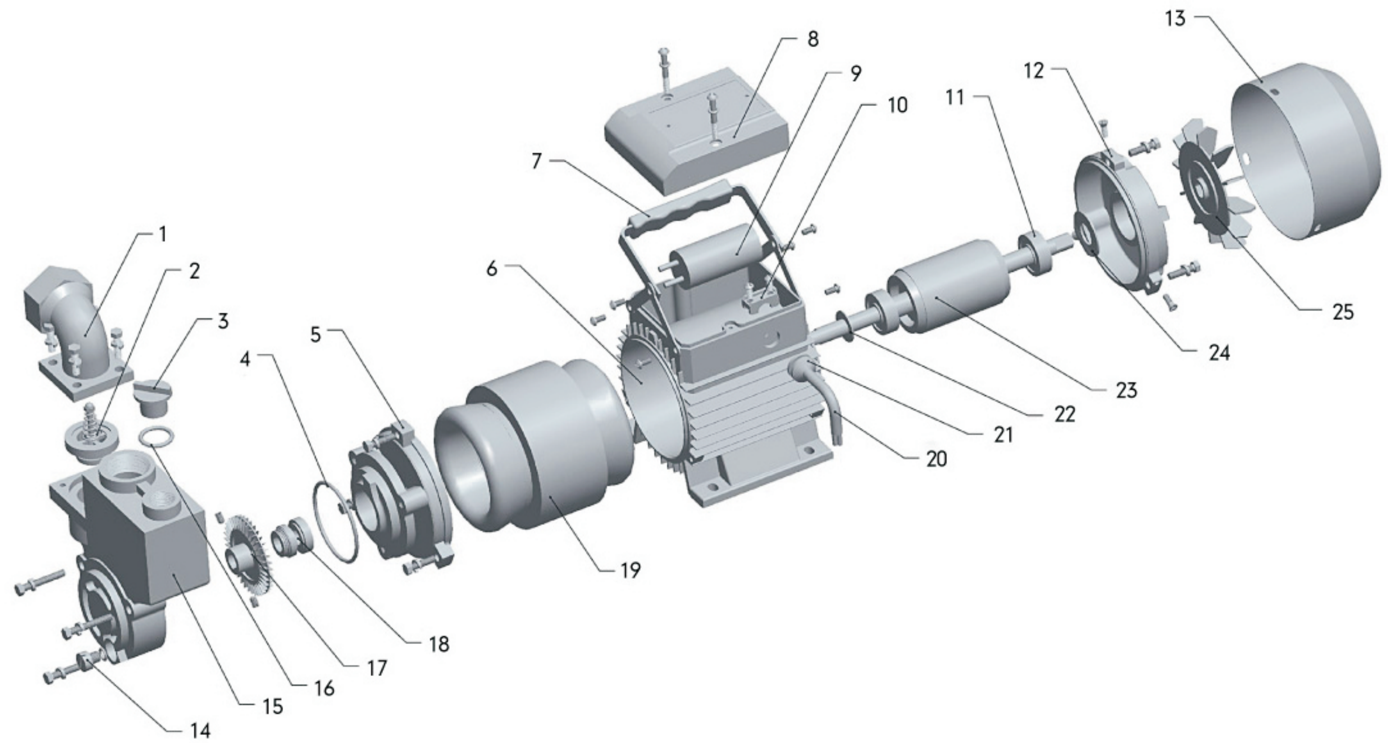
Hydraulic Performance Curve





RPM: n=2850 r/min

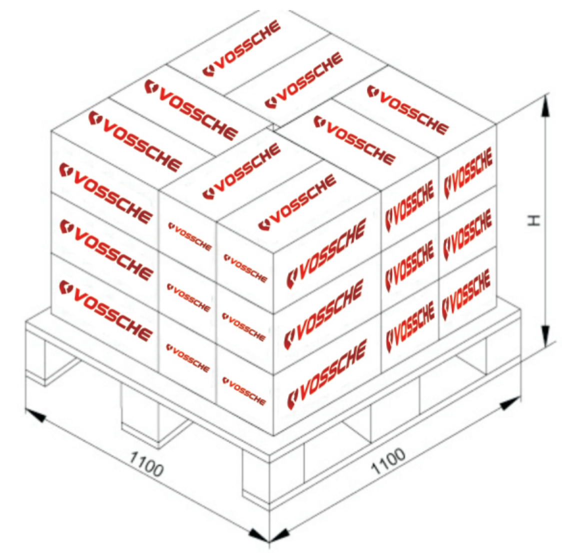
Model	Power		Inlet (Inch)	Outlet (Inch)	Max.Flow (m^3/h)	Max.Head (m)	Max.Suction (m)	Dim. (mm)	G. W. (kg)	20' Loading Qty. (pcs)
Single-Phase	kW	HP								
1WZB-35	0.37	0.5	1	1	2	30	8	290×175×240	9	2300
1WZB-45	0.55	0.75	1	1	2.5	40	8	300×185×260	11.5	1800
1WZB-65	0.75	1	1	1	3.5	50	8	315×200×265	14	1240
1.5WZB-50	1.1	1.5	1.5	1.5	5	50	8	310×210×305	18.5	1100
1WZB-35A	0.37	0.5	1	1	2	30	8	270×180×235	8	2500
1WZB-45A	0.55	0.75	1	1	2.5	40	8	285×185×260	10	2050
1WZB-65A	0.75	1	1	1	3.5	50	8	285×185×260	12	1700
1WZB-35T	0.37	0.55	1	1	2	30	8	275×200×260	9.5	2000
1WZB-45T	0.55	0.75	1	1	2.5	40	8	285×205×275	12.5	1600
1WZB-65T	0.75	1	1	1	3.5	50	8	285×205×275	14.5	1400



No.	Component	No.	Component	No.	Component	No.	Component
1	Inlet pipe	7	Handle	13	Fan cover	19	Stator
2	Check valve	8	Terminal block cover	14	Water faucet	20	Cable
3	Air faucet	9	Capacitor	15	Pump body	21	Cable sleeve
4	O-ring	10	Cable control cover	16	O-ring	22	Waterproof ring
5	Coupling	11	Bearing	17	Impeller	23	Rotor
6	Motor housing	12	End cover	18	Mechanical seal	24	Wave spring
-	-	-	-	-	-	25	Fan

Palletization

Model	Qty/Pallet	Height	G.W.	20'
Single-Phase	(pcs)	(mm)	(kg)	Total Pallets
1WZB-35	Upper pallet:36	610	355	20pallets
	Lower pallet:72	1140	680	
1WZB-45	Upper pallet:54	940	670	20pallets
	Lower pallet:72	1240	878	
1WZB-65	Upper pallet:48	895	694	20pallets
	Lower pallet:64	1180	910	
1.5WZB-50	Upper pallet:45	985	855	20pallets
	Lower pallet:45	1005	847	
1WZB-35A	Upper pallet:54	850	481	20pallets
	Lower pallet:72	1120	626	
1WZB-45A	Upper pallet:54	925	589	20pallets
	Loeer pallet:72	1220	770	
1WZB-65A	Upper pallet:54	925	697	20pallets
	Lower pallet:72	1220	914	
1WZB-35T	Upper pallet:54	880	592	20pallets
	Lower pallet:72	1160	774	
1WZB-45T	Upper pallet:54	925	697	20pallets
	Lower pallet:72	1220	914	
1WZB-65T	Upper pallet:54	925	805	20pallets
	Lower pallet:72	1220	1058	



Application

- Clear water, non-aggressive liquid only without sand or other solid impurities.
- Domestic use and irrigation.
- Bigger suction with self priming.
- Low power.
- In particular for delivering water in combination with small pressure sets and for irrigation.
- Installed in enclosed places, or at least protected against inclement weather.

Operating Conditions

- Suction lift up to 8m.
- Liquid temperature up to +90℃.
- Ambient temperature up to +40℃.
- Max. working pressure: 6 bar.

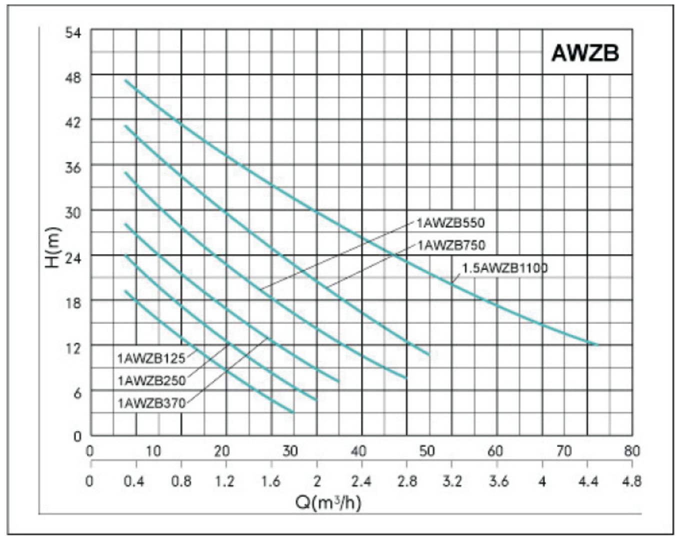
Motor

- 2-pole induction motor: 50Hz.
- Insulation: Class B.
- Protection: IP 44.
- With capacitor and thermal overload protection.

Material

- Pump body: Cast iron.
- Motor bracket: Aluminum.
- Impeller: Brass.
- Shaft with rotor: Stainless steel or Cs45#.
- Mechanical seal: Silicon carbide-Graphite.
- Copper winding.

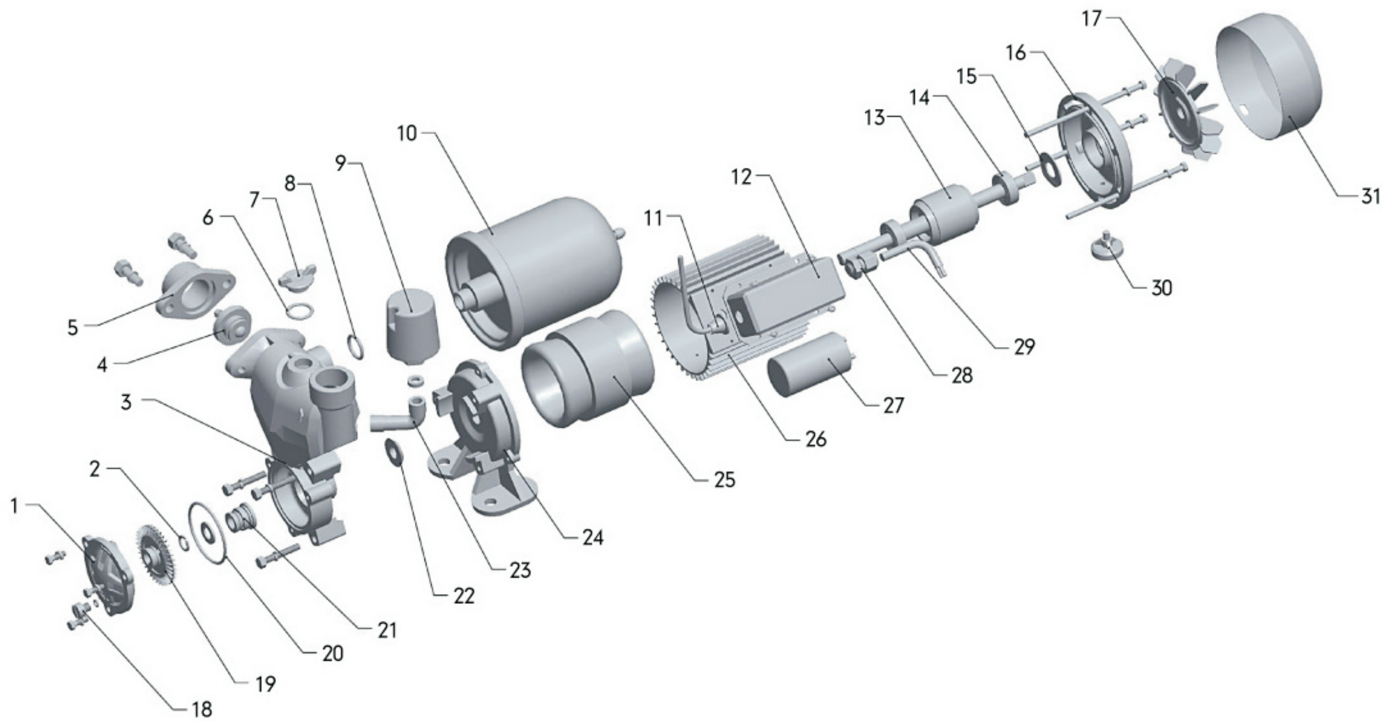
Hydraulic Performance Curve



AWZB

RPM: n=2850 r/min

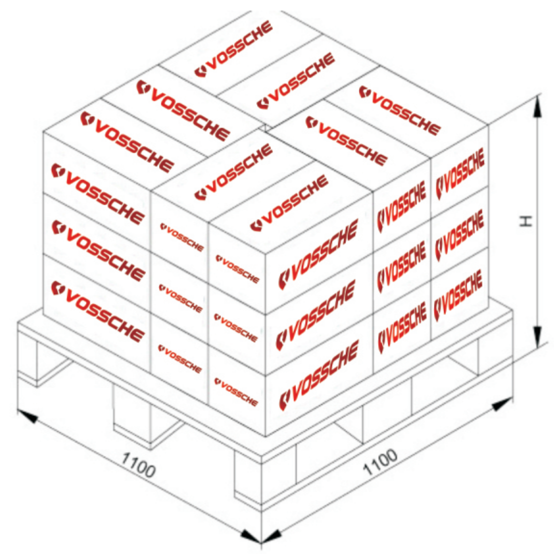
Model	Power		Inlet	Outlet	Max.Flow	Max.Head	Max.Suction	Dim.	G. W.	20'
Single-Phase	kW	HP	(Inch)	(Inch)	(m^3/h)	(m)	(m)	(mm)	(kg)	Loading Qty. (pcs)
1AWZB125	0.125	0.17	1	1	1.8	24	8	280×225×305	9	1470
1AWZB250	0.25	0.34	1	1	2	28	8	280×225×305	10	1470
1AWZB370	0.37	0.5	1	1	2.2	32	8	280×225×305	11	1470
1AWZB550	0.55	0.75	1	1	2.8	38	8	310×235×330	13	1160
1AWZB750	0.75	1	1	1	3	44	8	345×250×335	14.5	960
1.5AWZB1100	1.1	1.5	1.5	1.5	4.5	50	8	360×280×370	18.5	730



No.	Component	No.	Component	No.	Component	No.	Component
1	Pump cover	9	Pressure switch	17	Fan	25	Stator
2	Shaft ring	10	Pressure tank	18	Water faucet	26	Motor housing
3	Pump body	11	Cable sleeve	19	Impeller	27	Capacitor
4	Check valve	12	Terminal block cover	20	O-ring	28	Cable locking head
5	Water inlet	13	Rotor	21	Mechanical seal	29	Cable
6	O-ring	14	Bearing	22	Waterproof ring	30	Foot
7	Air faucet	15	Wave spring	23	Elbow	31	Fan cover
8	O-ring	16	End cover	24	Coupling	-	-

Palletization

Model	Qty/Pallet	Height	G.W.	20'
Single-Phase	(pcs)	(mm)	(kg)	Total Pallets
1AWZB125	Upper pallet:48	1015	430	20pallets
	Lower pallet:48	1035	422	
1AWZB250	Upper pallet:48	1015	478	20pallets
	Lower pallet:48	1035	470	
1AWZB370	Upper pallet:48	1015	526	20pallets
	Lower pallet:48	1035	518	
1AWZB550	Upper pallet:48	1090	622	20pallets
	Lower pallet:48	1110	614	
1AWZB750	Upper pallet:24	770	351	20pallets
	Lower pallet:36	1125	507	
1.5AWZB1110	Upper pallet:18	840	341	20pallets
	Lower pallet:27	1230	492	



Application

- Clear water, non-aggressive liquid only without sand or other solid impurities.
- Domestic use and irrigation.
- Bigger suction with self priming.
- Low power.
- In particular for delivering water in combination with small pressure sets and for irrigation.
- Installed in enclosed places, or at least protected against inclement weather.

Operating Conditions

- Suction lift up to 8m.
- Liquid temperature up to +90℃.
- Ambient temperature up to +40℃.
- Max. working pressure: 6 bar.

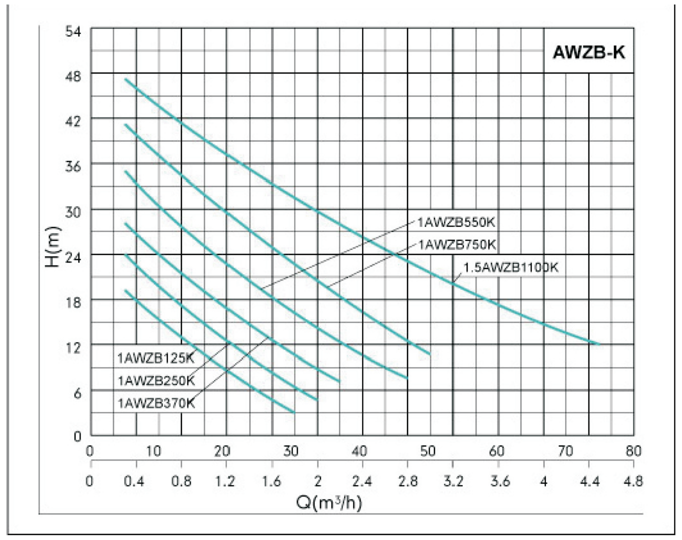
Motor

- 2-pole induction motor: 50Hz.
- Insulation: Class B.
- Protection: IP 44.
- With capacitor and thermal overload protection.

Material

- Pump body: Cast iron.
- Motor bracket: Aluminum.
- Impeller: Brass.
- Shaft with rotor: Stainless steel or Cs45#.
- Mechanical seal: Silicon carbide-Graphite.
- Copper winding.

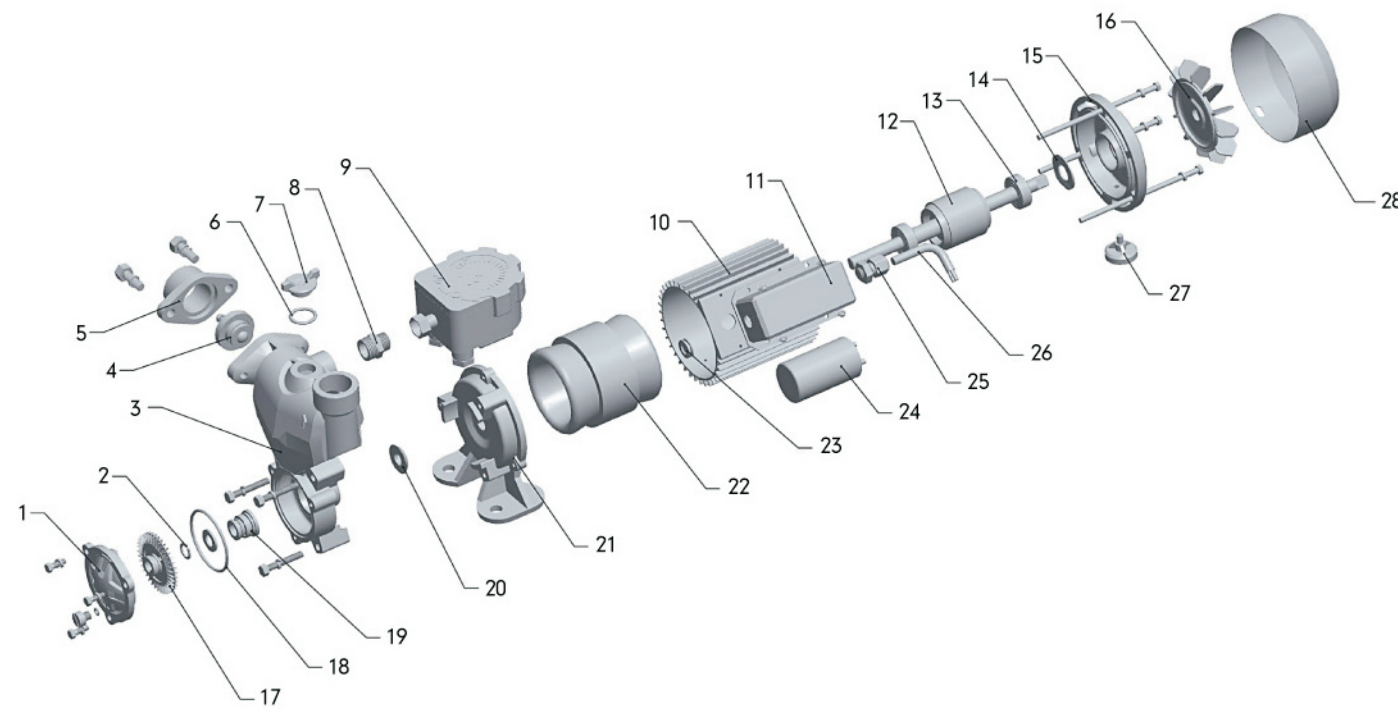
Hydraulic Performance Curve



AWZB-K

RPM: n=2850 r/min

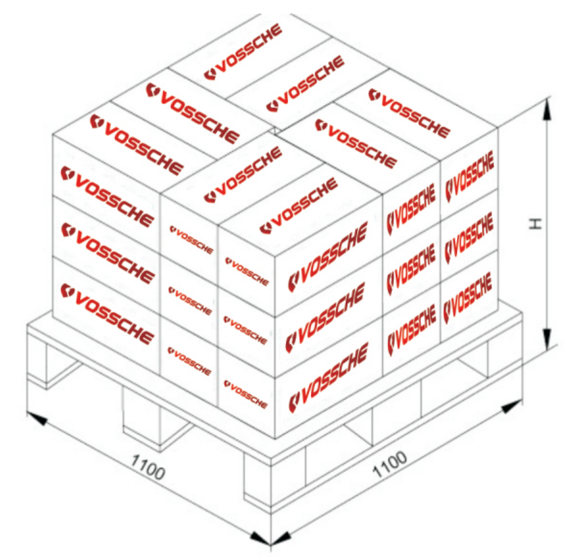
Model	Power		Inlet (Inch)	Outlet (Inch)	Max.Flow (m^3/h)	Max.Head (m)	Max.Suction (m)	Dim. (mm)	G. W. (kg)	20' Loading Qty. (pcs)
Single-Phase	kW	HP								
1AWZB125K	0.125	0.17	1	1	1.8	24	8	280×225×305	8.5	1470
1AWZB250K	0.25	0.34	1	1	2	28	8	280×225×305	9.5	1470
1AWZB370K	0.37	0.5	1	1	2.2	32	8	280×225×305	10.5	1470
1AWZB550K	0.55	0.75	1	1	2.8	38	8	310×235×330	12.2	1160
1AWZB750K	0.75	1	1	1	3	44	8	345×250×335	13.7	960
1.5AWZB1100K	1.1	1.5	1.5	1.5	4.5	50	8	360×280×370	17.7	730



No.	Component	No.	Component	No.	Component	No.	Component
1	Pump cover	8	Tie-in	15	End cover	22	Stator
2	Shaft ring	9	Electron pressure switch	16	Fan	23	Gasket
3	Pump body	10	Motor housing	17	Impeller	24	Capacitor
4	Check valve	11	Terminal block cover	18	O-ring	25	Cable locking head
5	Water inlet	12	Rotor	19	Mechanical seal	26	Cable
6	O-ring	13	Baering	20	Waterproof ring	27	Foot
7	Air faucet	14	Wave spring	21	Coupling	28	Fan cover

Palletization

Model	Qty/Pallet	Height	G.W.	20'
Single-Phase	(pcs)	(mm)	(kg)	Total Pallets
1AWZB125K	Upper pallet:48	1015	430	20pallets
	Lower pallet:48	1035	422	
1AWZB250K	Upper pallet:48	1015	478	20pallets
	Lower pallet:48	1035	470	
1AWZB370K	Upper pallet:48	1015	526	20pallets
	Lower pallet:48	1035	518	
1AWZB550K	Upper pallet:48	1090	622	20pallets
	Lower pallet:48	1110	614	
1AWZB750K	Upper pallet:24	770	351	20pallets
	Lower pallet:36	1125	507	
1.5AWZB1110K	Upper pallet:18	840	341	20pallets
	Lower pallet:27	1230	492	



AWZB-H1

AUTOMATIC SELF-PRIMING PERIPHERAL PUMPS

Application

- Clear water, non-aggressive liquid only without sand or other solid impurities.
- Domestic use and irrigation.
- Bigger suction with self priming.
- Low power.
- In particular for delivering water in combination with small pressure sets and for irrigation.
- Installed in enclosed places, or at least protected against inclement weather.

Operating Conditions

- Suction lift up to 8m.
- Liquid temperature up to +90℃.
- Ambient temperature up to +40℃.
- Max. working pressure: 5 bar.

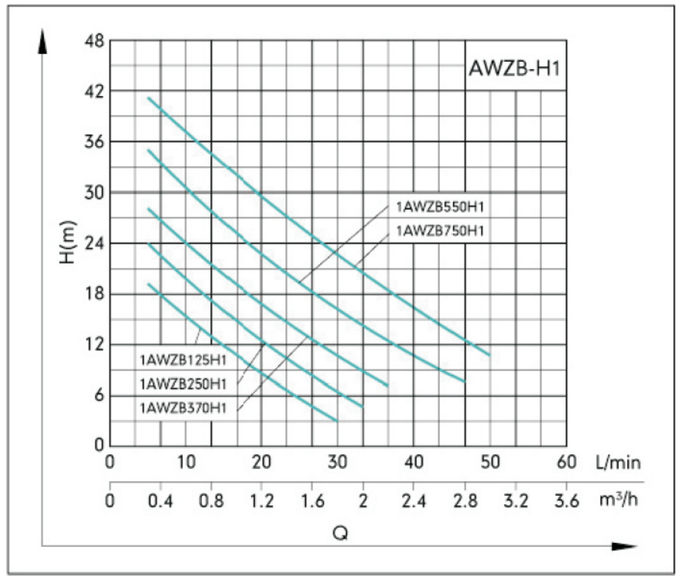
Motor

- 2-pole induction motor: 50Hz.
- Insulation: Class B.
- Protection: IP 44.
- With capacitor and thermal overload protection.

Material

- Pump body: Cast iron.
- Motor bracket: Aluminum.
- Impeller: Brass.
- Shaft with rotor: Stainless steel or Cs45#.
- Mechanical seal: Silicon carbide-Graphite.
- Copper winding.

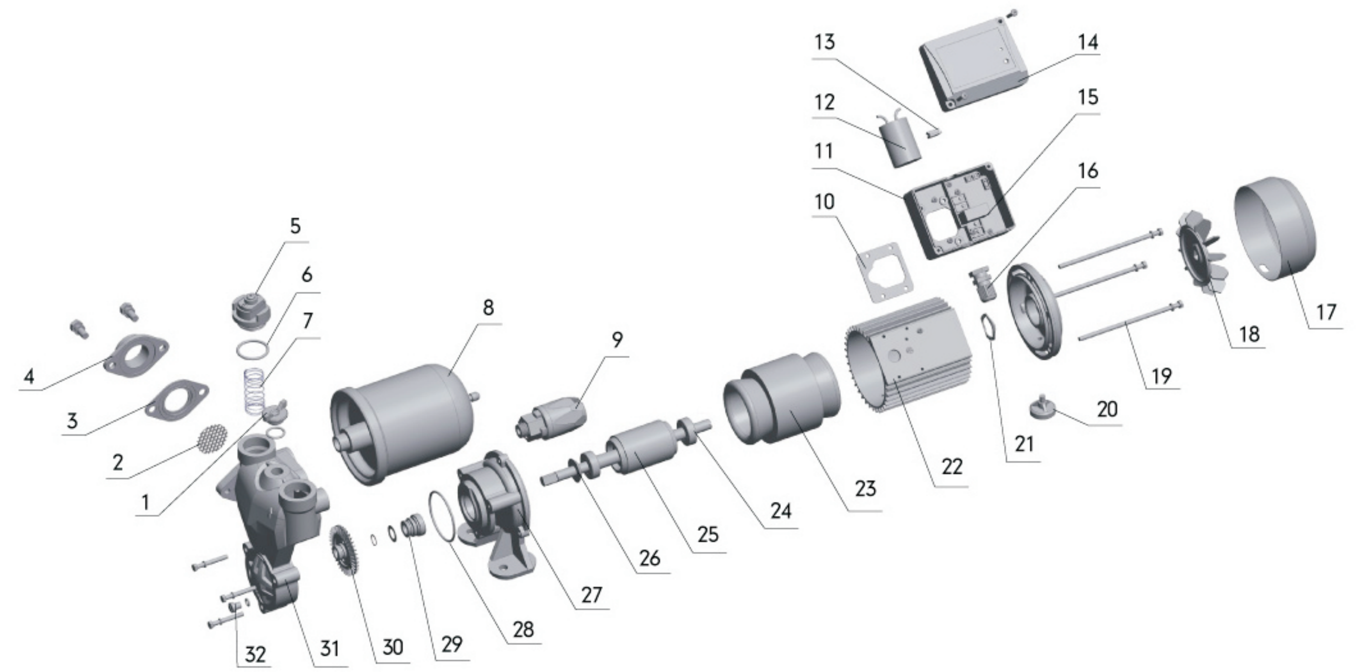
Hydraulic Performance Curve



AWZB-H1

RPM: n=2850 r/min(50HZ)

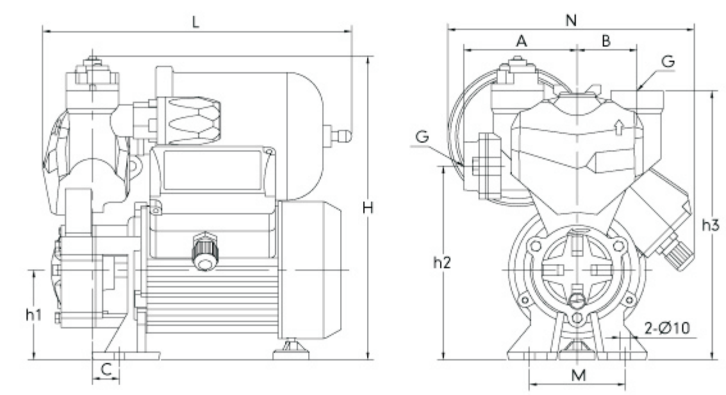
Model	Power		Inlet (Inch)	Outlet (Inch)	Max.Flow (m^3/h)	Max.Head (m)	Max.Suction (m)	Dim. (mm)	G. W. (kg)	20' Loading Qty. (pcs)
Single-Phase	kW	HP								
1AWZB125H1	0.125	0.17	1	1	1.8	24	8	300×225×305	8.5	1200
1AWZB250H1	0.25	0.34	1	1	2	28	8	300×225×305	9	1200
1AWZB370H1	0.37	0.5	1	1	2.2	32	8	310×225×305	9.5	1100
1AWZB550H1	0.55	0.75	1	1	2.8	38	8	330×230×335	13	1000
1AWZB750H1	0.75	1	1	1	3	44	8	330×230×335	13.5	1000



No.	Component	No.	Component	No.	Component	No.	Component
1	Air faucet	9	Pressure switch	17	Fan cover	25	Rotor
2	Filter screet	10	Rubber pad	18	Fan	26	Waterproof ring
3	Rubber pad	11	Terminal box	19	Hex bolts	27	Coupling
4	Water inlet	12	Capacitor	20	Foot	28	O-ring
5	Flow switch	13	Cable sleeve	21	Wave spring	29	Mechanical seal
6	O-ring	14	Terminal box cover	22	Motor casing	30	Impeller
7	Mechanical spring	15	Electronic Control panel	23	Stator	31	Pump body
8	Pressure tank	16	Cable locking head	24	Bearing	32	Water faucet

Palletization

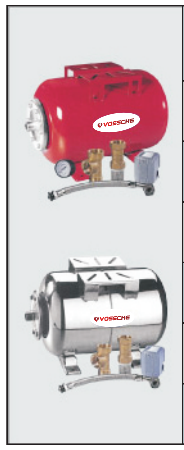
Model	h1	h2	h3	H	A	B	C	N	M	L	G
1AWZB125H1	75	162	225	270	95	50	16	207	80	260	1"
1AWZB250H1	75	162	225	270	95	50	16	207	80	260	1"
1AWZB370H1	75	162	225	270	95	50	16	207	80	270	1"
1AWZB550H1	85	191	254	298	95	50	17	212	95	285	1"
1AWZB750H1	85	191	254	298	95	50	17	212	95	285	1"



SPARE PARTS

Model	Dimension (cm)
VC-19L	27×27×40
VC-24L	27×27×46

Model	Dimension (cm)
VS-23L	33×33×33
VS-24L	36×36×34

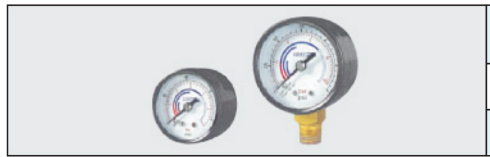


Model	Dimension (cm)
HC-24L	31×28×46
HC-36L	38×36×43
HC-50L	55×36×38
HC-60L	48×46×49
HC-80L	48×46×60
HC-100L	48×46×68

Model	Dimension (cm)
VCF-60L	46×46×65
VCF-80L	46×46×76
VCF-100L	46×46×85

Model	Dimension (cm)
3-way	1"
4-way	1"
5-way	1"

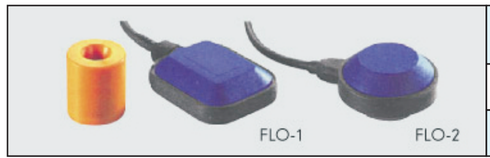
PG-02A	PG-02B	PG-02C
1.4 - 2.8 bar	1.4 - 2.8 bar	1.4 - 2.8 bar
2.1 - 3.5 bar	2.1 - 3.5 bar	female / male
2.8 - 4.3 bar	2.8 - 4.3 bar	
female / male	3.5 - 5.6 bar	
	4.9 - 7.2 bar	
	female / male	



SIZE / Model	PG-P	PG-SS	PG-S
40mm	PG-40	PG-SS 40	PG-S 40
50mm	PG-50	PG-SS 50	PG-S 50

THREE TYPES OF SHELL:(1)PG-P:pastic (2)PG-SS:stainless steel (3)PG-S:steel
THE CONNECTIONS HAVE TWO TYPES:(1)G 1/4" (2)M10×1
FOR 40MM GAUGE, THE SCALE IS 0-10 BAR OR 0-6 BAR

TWO TYPES OF CONNECTIONS: A: BACK CONNECTION B: BOTTOM CONNECTION
FOR 40MM GAUGE, THESCALE IS 0-6 BAR



Model	VOLTAGE	CURRENT	AMBIENT TEMPERTURE
FLO-1	220V-240V	8A	0-80℃
FLO-2	220V-240V	8A	0-80℃

Model	VOLTAGE	FREQUENCY	CURRENT	CONNECTIONS	PROTECTION
PS-01	220V-240V 110V-115V	50/60Hz	12A	1"×1"	IP 65

Model	VOLTAGE	FREQUENCY	CURRENT	CONNECTIONS	PROTECTION
PS-01A	220V-240V 110V-115V	50/60Hz	12A	1"×1"	IP 65

Model	VOLTAGE	FREQUENCY	CURRENT	CONNECTIONS	PROTECTION
PS-01B	220V-240V 110V-115V	50/60Hz	12A	1"×1"	IP 65

Model	VOLTAGE	FREQUENCY	CURRENT	CONNECTIONS	PROTECTION
PS-01C	220V-240V 110V-115V	50/60Hz	12A	1"×1"	IP 65

Memo