



Havuz Motor, Pompa Ürünleri
Katalođu

QUIET RUNNING

HORIZONTAL MULTI-STAGE CENTRIFUGAL PUMPS

Applications:
To work with clean water in domestic applications, irrigation, and hydropneumatic sets.



HMP15/15P

Quiet running horizontal multi-stage centrifugal pumps.

Materials:

Pump body and impellers in stainless steel AISI-304.
Motor shaft in stainless steel AISI-420.
Diffusers in PPOGF30.
Suction and discharge mountings in cast iron.
Mechanical seal in graphite and steatite / upon request.
Motor housing in aluminium L-2521.
HMP-P self-priming up to 2m. For domestic and industrial supplies, irrigation and hydropneumatic sets.
HMP built-in self-priming valve, not very sensitive to impurities. Self-priming up to 9m. To work with clean water in domestic and industrial application, irrigation, and pressure sets.

Motor:

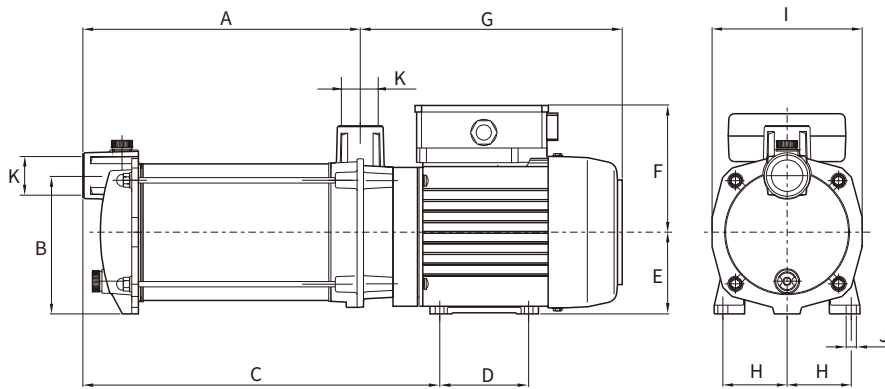
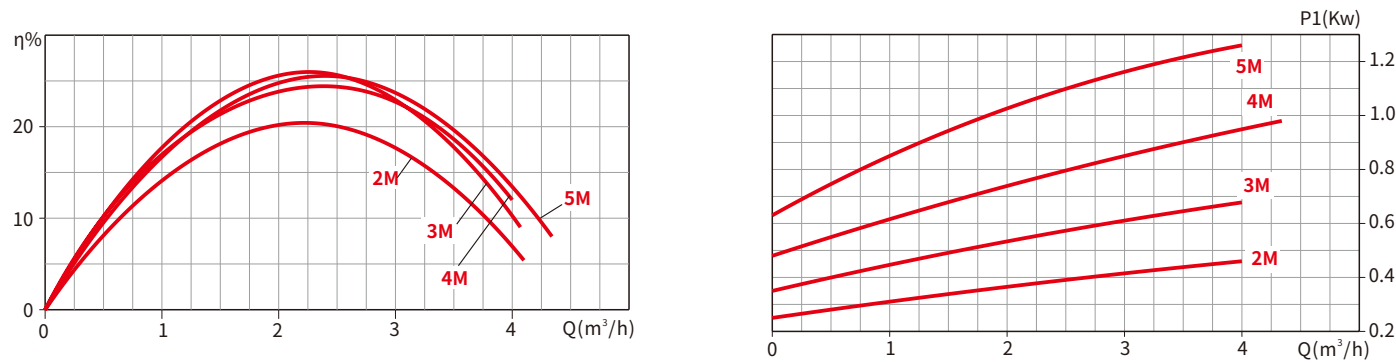
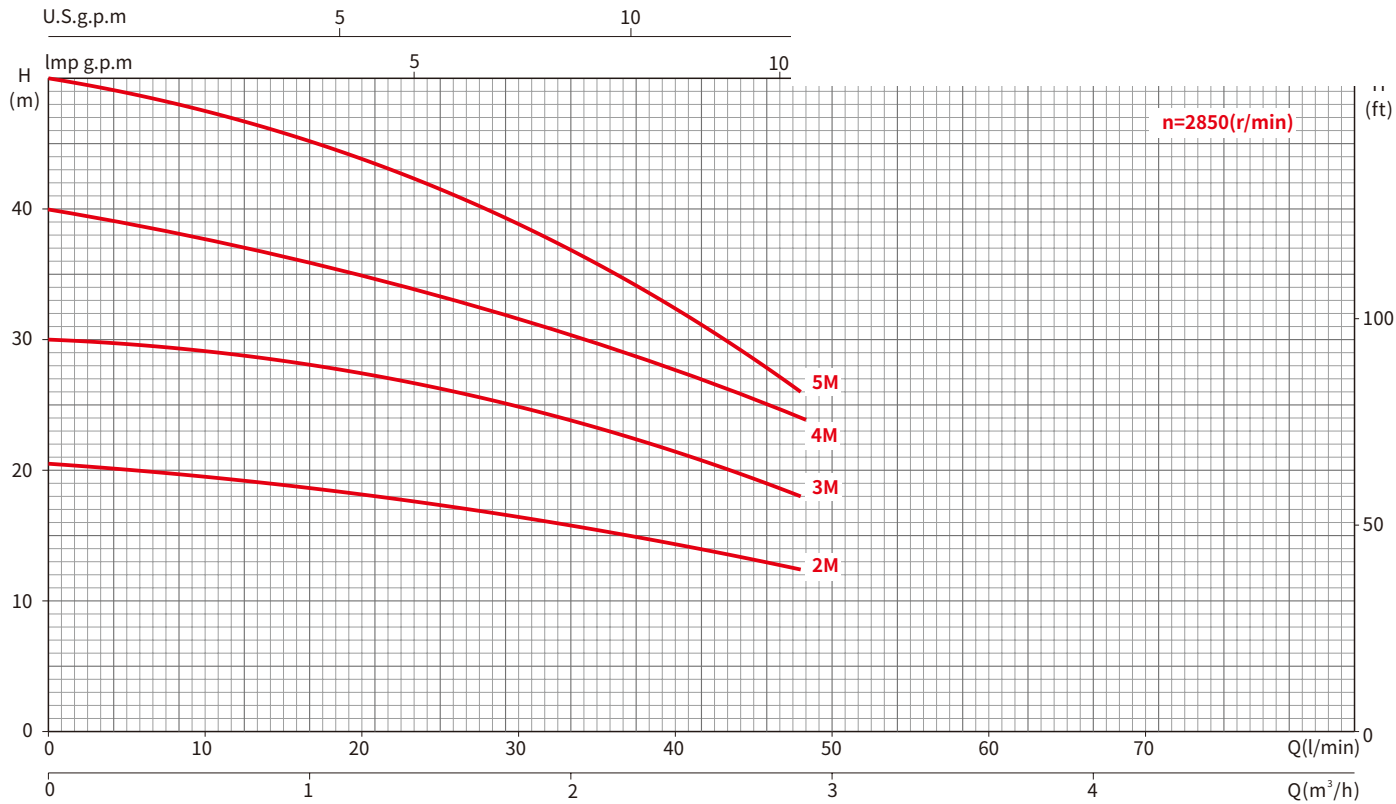
Asynchronous, two poles.
IP X5 protection.
Class F insulation.
Continuous operation.
Single phase version built-in thermal protector upon request.
Single phase with IE1/IE2 motor.
Three phases with IE1/IE2/IE3/IE4 motor.

TECHNICAL DATA

Model	KW	V		A		P1(KW)		Q	L/min	0	24	40	48	60
		1~	3~	1~	3~				m³/h	0	1.44	2.4	2.88	3.6
		50HZ	50HZ	220	380	1~	3~		H(m)	20.5	17.5	14	12.4	7
HMP15/15P-2M	0.25	220	380	2.0	1.04	0.45	0.46	30		26.5	21.5	18.0	10	
HMP15/15P-3M	0.37	220	380	2.75	1.21	0.61	0.61	40		33.5	27.5	23.5	15	
HMP15/15P-4M	0.55	220	380	3.53	1.3	0.8	0.8	50		42.0	32.0	26.0	19	
HMP15/15P-5M	0.75	220	380	4.13	1.9	0.95	0.95							

TECHNICAL DATA (IE2/IE3)

Model	P ₂ (KW)	V		A		P1(KW)MAX		Q	L/min	0	24	40	48	60
		1~	3~	1~(IE2)	3~(IE3)				m³/h					
		50HZ	50HZ	220	380	1~	3~							
HMP15/15P-2M	0.25	220	380	1.8	0.7	0.45	0.46	H(m)	20.5	17.5	14	12.4	7	
HMP15/15P-3M	0.37	220	380	2.5	0.98	0.61	0.61		30	26.5	21.5	18.0	10	
HMP15/15P-4M	0.45	220	380	3.0	1.2	0.8	0.8		40	33.5	27.5	23.5	15	
HMP15/15P-5M	0.55	220	380	3.5	1.36	0.9	0.9		50	42.0	32.0	26.0	19	



DIMENSIONS

Model	A	B	C	D	E	F	G	H	I	J	K	Kg
HMP15/15P-2M	166	112	228	74	63	102	247	50	130	10	1"	8.2
HMP15/15P-3M	190	112	252	74	63	102	247	50	130	10	1"	9.0
HMP15/15P-4M	214	112	276	74	63	102	247	50	130	10	1"	9.8
HMP15/15P-5M	238	112	300	74	63	102	247	50	130	10	1"	10.6

QUIET RUNNING

HORIZONTAL MULTI-STAGE CENTRIFUGAL PUMPS

Applications:
To work with clean water in domestic applications, irrigation, and hydropneumatic sets.



THREE PHASES

HMP25/25P

Quiet running horizontal multi-stage centrifugal pumps.

Materials:

Pump body and impellers in stainless steel AISI-304.
Motor shaft in stainless steel AISI-420.
Diffusers in PPOGF30.
Suction and discharge mountings in cast iron.
Mechanical seal in graphite and steatite / upon request.
Motor housing in aluminium L-2521.
HMP-P self-priming up to 2m. For domestic and industrial supplies, irrigation and hydropneumatic sets.
HMP built-in self-priming valve, not very sensitive to impurities. Self-priming up to 9m. To work with clean water in domestic and industrial application, irrigation, and pressure sets.

Motor:

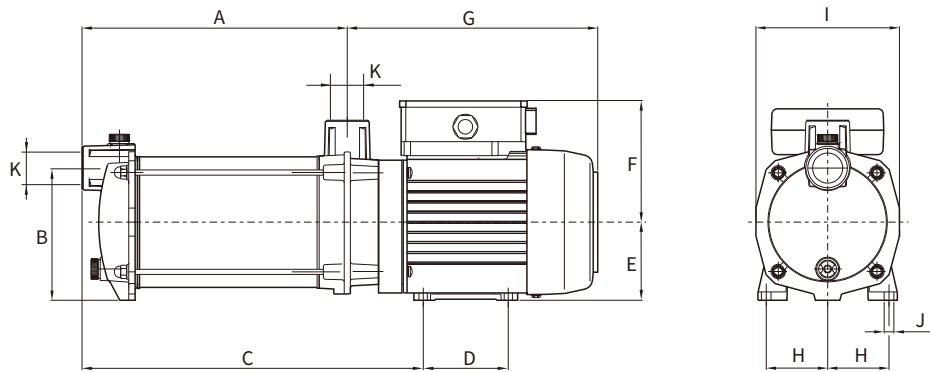
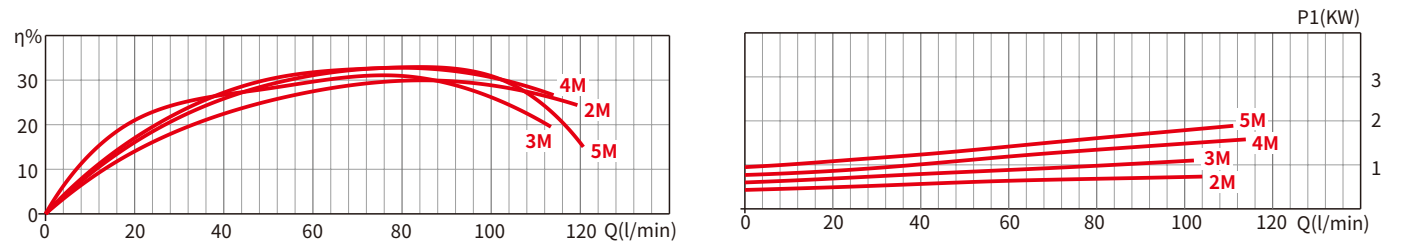
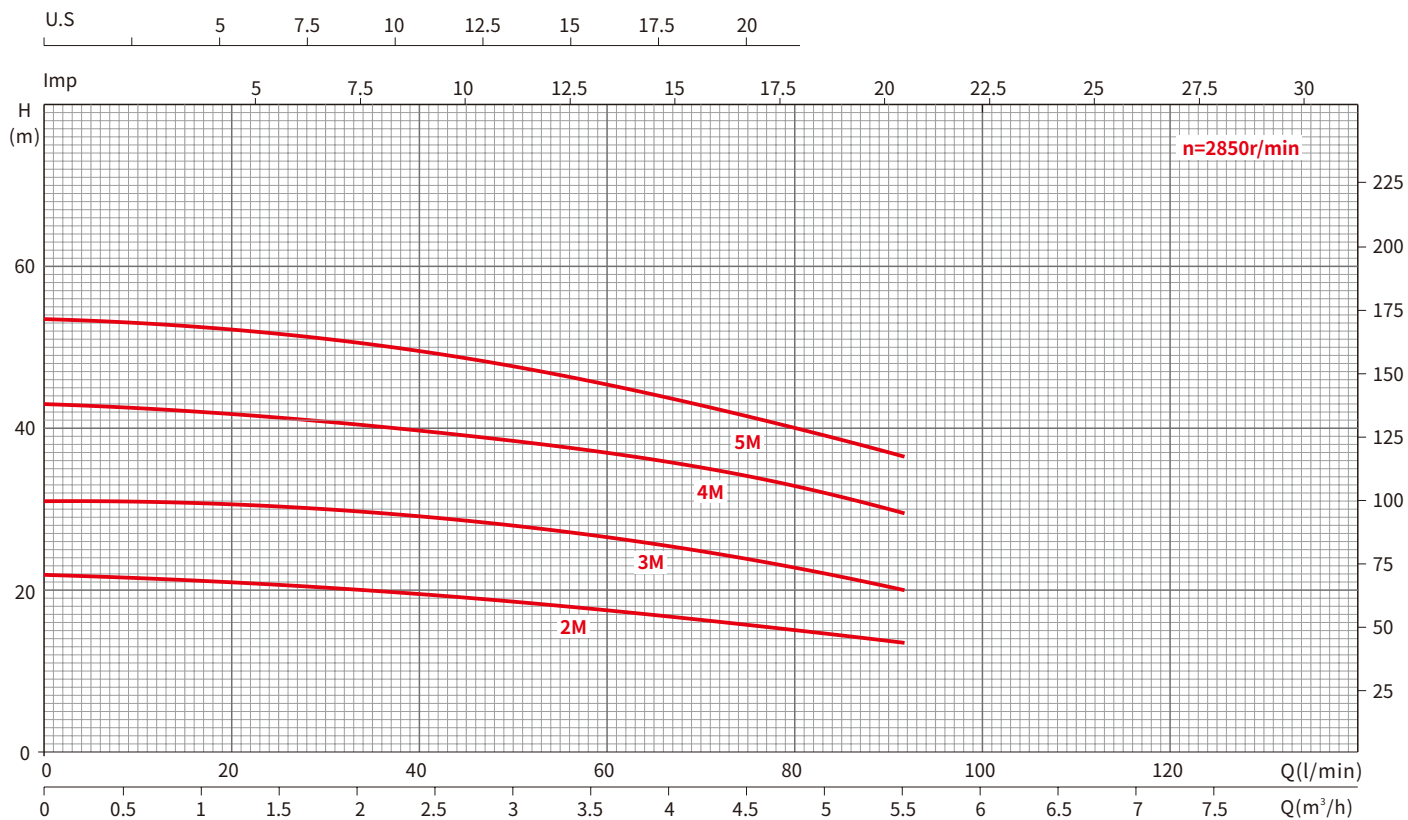
Asynchronous, two poles.
IP X5 protection.
Class F insulation.
Continuous operation.
Single phase version built-in thermal protector upon request.
Single phase with IE1/IE2 motor.
Three phases with IE1/IE2/IE3/IE4 motor.

TECHNICAL DATA

Model	KW	V		A		P1(KW)		Q	L/min	0	45.8	76.7	91.7	100
		1~	3~	1~	3~				m³/h	0	2.75	4.6	5.5	6.0
		50HZ	50HZ	220	380	1~	3~		H(m)	22.5	19.5	16	14	12
HMP25/25P-2M	0.55	220	380	3.6	1.7	0.9	0.85	31.5		29.0	24	20.5	16	
HMP25/25P-3M	0.75	220	380	5.0	2.0	1.2	1.12	43.5		39.5	34.2	30.0	24	
HMP25/25P-4M	0.92	220	380	6.4	2.5	1.5	1.4	54		49.0	41.5	37.0	30	
HMP25/25P-5M	1.1	220	380	7.4	3.0	1.8	1.7							

TECHNICAL DATA (IE2/IE3)

Model	P2 (KW)	V		A		P1(KW)MAX		Q	L/min	0	45.8	76.7	91.7	100
		1~	3~	1~(IE2)	3~(IE3)	1~	3~							
		50HZ	50HZ	220	380	1~	3~		m³/h	0	2.75	4.6	5.5	6.0
HMP25/25P-2M	0.55	220	380	3.5	1.36	0.9	0.85	H(m)	22.5	19.5	16	14	12	
HMP25/25P-3M	0.75	220	380	4.6	1.72	1.2	1.12		31.5	29.0	24	20.5	16	
HMP25/25P-4M	1.0	220	380	5.7	2.3	1.5	1.4		43.5	39.5	34.2	30.0	24	
HMP25/25P-5M	1.1	220	380	6.3	2.43	1.8	1.7		54	49.0	41.5	37.0	30	



DIMENSIONS

Model	A	B	C	D	E	F	G	H	I	J	K	Kg
HMP25/25P-2M	175.5	130	226	82	71	115	230	59	140	8	1"	12
HMP25/25P-3M	202	130	252	82	71	115	230	59	140	8	1"	12.6
HMP25/25P-4M	228.5	130	279	82	71	115	230	59	140	8	1"	14
HMP25/25P-5M	252	130	328	82	71	126	251	59	140	8	1"	17

QUIET RUNNING

HORIZONTAL MULTI-STAGE CENTRIFUGAL PUMPS

Applications:
To work with clean water in domestic applications, irrigation, and hydropneumatic sets.



SINGLE PHASE

HMP35/35P

Quiet running horizontal multi-stage centrifugal pumps.

Materials:

Pump body and impellers in stainless steel AISI-304.
Motor shaft in stainless steel AISI-420.
Diffusers in PPOGF30.
Suction and discharge mountings in cast iron.
Mechanical seal in graphite and steatite / upon request.
Motor housing in aluminium L-2521.
HMP-P self-priming up to 2m. For domestic and industrial supplies, irrigation and hydropneumatic sets.
HMP built-in self-priming valve, not very sensitive to impurities.
Self-priming up to 9m. To work with clean water in domestic and industrial application, irrigation, and pressure sets.

Motor:

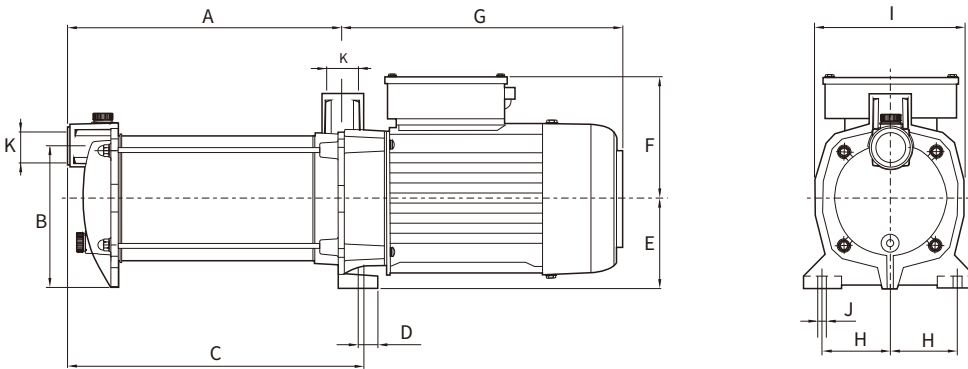
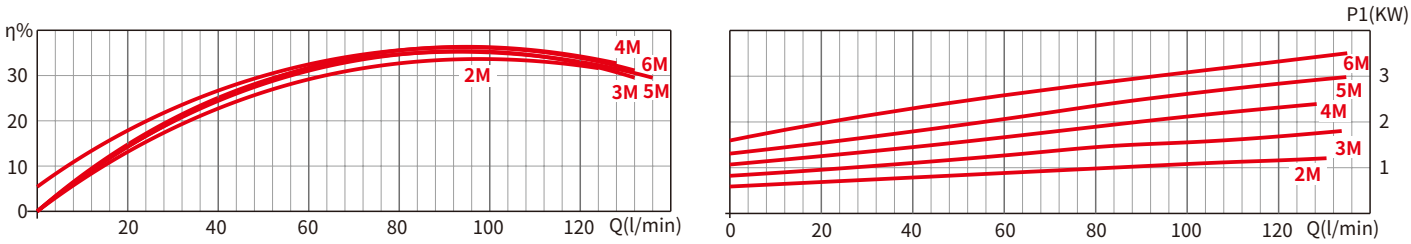
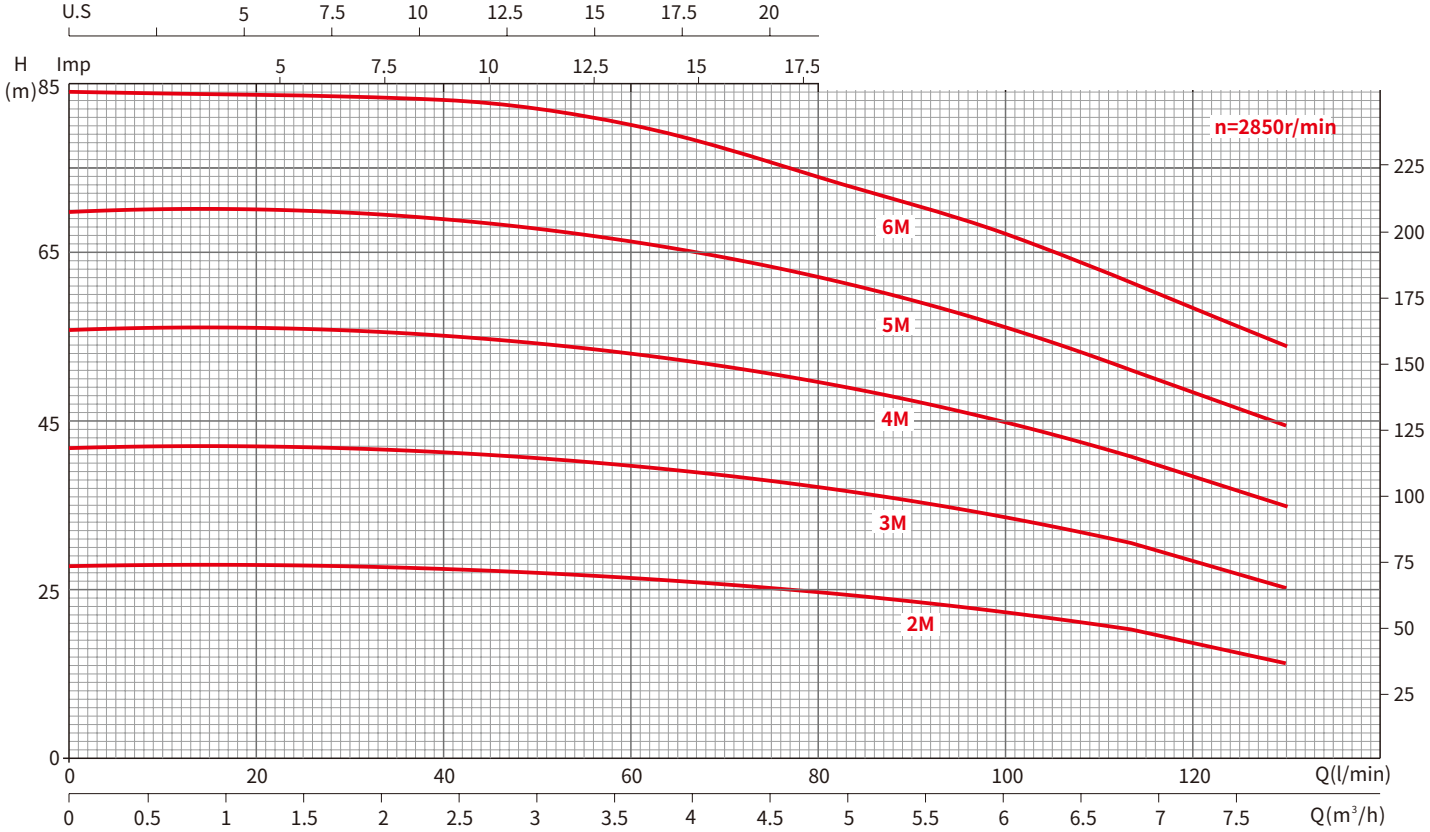
Asynchronous, two poles.
IP X5 protection.
Class F insulation.
Continuous operation.
Single phase version built-in thermal protector upon request.
Single phase with IE1/IE2 motor.
Three phases with IE1/IE2/IE3/IE4 motor.

TECHNICAL DATA

Model	KW	V		A		P1(KW)		Q	L/min	0	57	95	114	133
		1~	3~	1~	3~	1~	3~		m³/h	0	3.4	5.7	6.8	8.0
		50HZ	50HZ	220	380									
HMP35/35P-2M	1.1	220	380	6.3	2.6	1.4	1.3	H(m)	28	27	23	20	18	
HMP35/35P-3M	1.5	220	380	8.0	3	1.8	1.7		42	40	35	31	25	
HMP35/35P-4M	1.8	220	380	10.1	4	2.3	2.2		56	54	46	41	33	
HMP35/35P-5M	2.2	220	380	13.1	4.8	2.7	2.7		70	67	58	51	40	
HMP35/35P-6M	2.7		380		5.8		3.5		84	80	70	62	51	

TECHNICAL DATA (IE2/IE3)

Model	P ₂ (KW)	V		A		P1(KW)MAX		Q	L/min	0	57	95	114	133
		1~	3~	1~(IE2)	3~(IE3)				m³/h	0	3.4	5.7	6.8	8.0
		50HZ	50HZ	220	380	1~	3~		H(m)	28	27	23	20	18
HMP35/35P-2M	1.0	220	380	5.7	2.3	1.4	1.3	H(m)	42	40	35	31	25	
HMP35/35P-3M	1.1	220	380	6.3	2.43	1.8	1.7		56	54	46	41	33	
HMP35/35P-4M	1.5	220	380	8.4	3.22	2.3	2.2		70	67	58	51	40	
HMP35/35P-5M	2.2	220	380	12.1	4.6	2.7	2.7		84	80	70	62	51	
HMP35/35P-6M	2.7		380		5.4		3.5							



DIMENSIONS

Model	A	B	C	D	E	F	G	H	I	J	K	Kg
HMP35/35P-2M	207	145	237	18	90	105	275	60	160	11	1 1/4"	19.0
HMP35/35P-3M	234.5	145	263.5	18	90	105	275	60	160	11	1 1/4"	20.1
HMP35/35P-4M	262	145	290	18	90	105	275	60	160	11	1 1/4"	21.4
HMP35/35P-5M	289.5	145	337.5	18	90	105	296	60	160	11	1 1/4"	22.6
HMP35/35P-6M	317	145	365	18	90	105	296	60	160	11	1 1/4"	24

TWO-STAGE

CENTRIFUGAL PUMPS

Applications:
High efficiency, quiet running pumps with ample, Stable curves.
Suitable for continuous heavy duty service in domestic.



2SCM

BACK-TO-BACK IMPELLERS

WORKING PRINCIPLE

The 2SCM series consists of CENTRIFUGAL PUMPS with two BACK-TO-BACK IMPELLERS, working in series.
The first impeller directly faces the suction opening machined in suction body. The second impeller is housed back-to-back to the first in the delivery body. The shape of the impellers transmits a radial motion to the fluid from of pressure and an increase in speed. After leaving the first impeller the fluid passes to the volute in the suction body connected to the second impeller suction chamber where it receives an equal energy increase. After leaving the second impeller the fluid enters the volute of the delivery body and the tapered diffuser which transform part of the kinetic into pressure energy. The axial hydraulic thrusts are perfectly balanced by the back-to-back installation of the two impellers on the same shaft, thus avoiding any overload on the motor bearings.

STRUCTURAL CHARACTERISTICS

Cast iron SUCTION BODY
Cast iron DELIVERY BODY
BRASS IMPELLER, centrifugal radial flow type.
Ceramic and graphite MECHANICAL SEAL.
MOTOR: the pumps are coupled directly to an asynchronous, high efficiency TOP induction motor of suitable size, which is quiet running, closed and externally ventilated, suitable for continuous duty. INSULATION class F.(B up to0.75kw)
The thermal cutout relay(motor protector) is incorporated in single phase motors up to 1.5kw.
The remaining single phase motors and all three phase motors require an adequate external motor protector, with connections according to current standards.
PROTECTION IP 44.
CONSTRUCTION AND SAFETY STANDARDS in compliance with IEC.

PUMP INSTALLATION AND APPLICATIONS

These pumps are suitable for pumping clean water and fluid which are not chemically aggressive to the pump components. These pumps are an obvious choice wherever there is a need for high head values hard to reach with single impellers, all thanks to the following features: extremely high output, suitable for continuous and heavy-duty use and particularly adaptable to a wide range of particular applications.
2SCM SERIES PUMPS ARE EXTREMELY RELIABLE, SIMPLE TO USE, QUIET AND VIRTUALLY MAINTENANCE-FREE, FINDING MANY USES IN DOMESTIC, CIVIL AND INDUSTRIAL APPLICATIONS, THE AUTOMATIC DISTRIBUTION OF WATER FROM SURGE TANKS, WATERING GARDENS, INCREASING THE MAINS SUPPLY PRESSURE, FEEDING BOILERS, COOLING SYSTEMS AND FIRE-FIGHTING UNITS.
These pumps should be installed in a covered area, protected against the weather.

PERFORMANCE

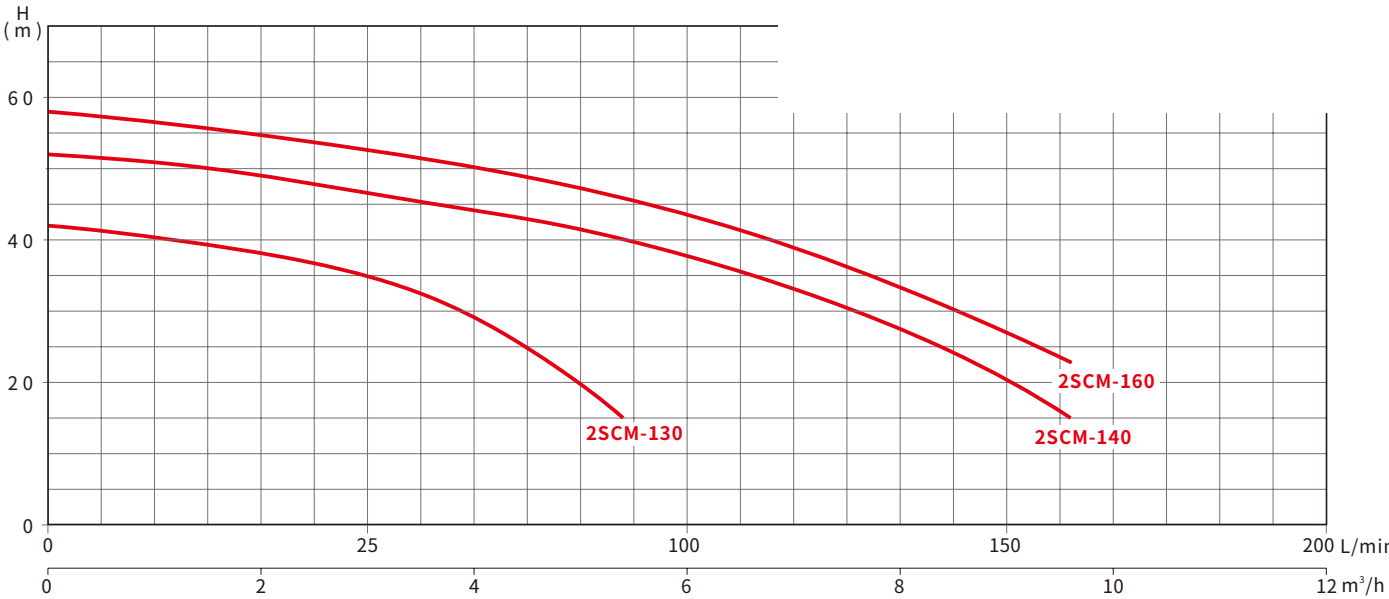
The wide range of pumps making up the 2SCM series has the following features:
-particularly ample and stable characteristic curves(high ratio between minimum and maximum head values);
-outputs having high absolute values and tendencially flat curves;
-flat absorption curves at high delivery rates, preventing motor overloading even during prolonged use;
-good suction capacities both at low and high delivery rates

PERFORMANCE RANGE

Flow rate up to 180 l/min (10.4m³/h)
Dynamic head up to 65 m

OPERATING LIMITS

Suction life up to 7 m
Fluid temperature up to +60°C
Maximum ambient temperature +40°C



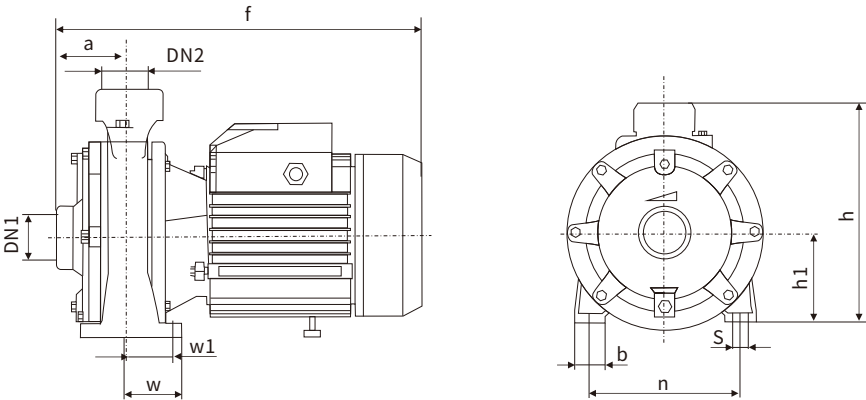
PERFORMANCE DATA at n=2900 l/min

Model	HP	kW	A		Q	m³/h	0	1.2	2.4	3.6	4.8	5.4	6.6	7.2	8.4	9.6	10.8
			1~	3~													
			230V	400V		l/min	0	20	40	60	80	90	110	120	140	160	180
2SCM-130D	1	0.75	5.4	1.8	H (m)		42	40	37	32	33	15					
2SCM-140D	1.5	1.1	9.8	3			52	50.5	48	45	42	40	35	32	25	15	
2SCM-160D	2	1.5	11.8	3.8			58	56	54	51.5	48	46	41	38	31	23	

PERFORMANCE DATA at n=2900 l/min (IE2/IE3)

Model	HP	kW	A		Q	m³/h	0	1.2	2.4	3.6	4.8	5.4	6.6	7.2	8.4	9.6	10.8
			1~(IE2)	3~(IE3)													
			230V	400V		l/min	0	20	40	60	80	90	110	120	140	160	180
2SCM-130D	1	0.75	4.6	1.72	H (m)		42	40	37	32	33	15					
2SCM-140D	1.5	1.1	6.3	2.43			52	50.5	48	45	42	40	35	32	25	15	
2SCM-160D	2	1.5	8.4	3.22			58	56	54	51.5	48	46	41	38	31	23	

H=TOTAL DYNAMIC HEAD IN METERS.Q= FLOW RATE



PUMP MODEL		DN1	DN2	DIMENSIONS mm								
Single phase	Three phase			a	f	h	h1	n	w	w1	b	s
2SCM-130D	2SCM-130	1 1/4"	1"	78	370	225	100	142	60	28	40	10
2SCM-140D	2SCM-140	1 1/4"	1"	84	390	270	113.5	175	78	32	43	11
2SCM-160D	2SCM-160	1 1/4"	1"	84	420	270	113.5	175	78	32	43	11

SINGLE CENTRIFUGAL PUMPS



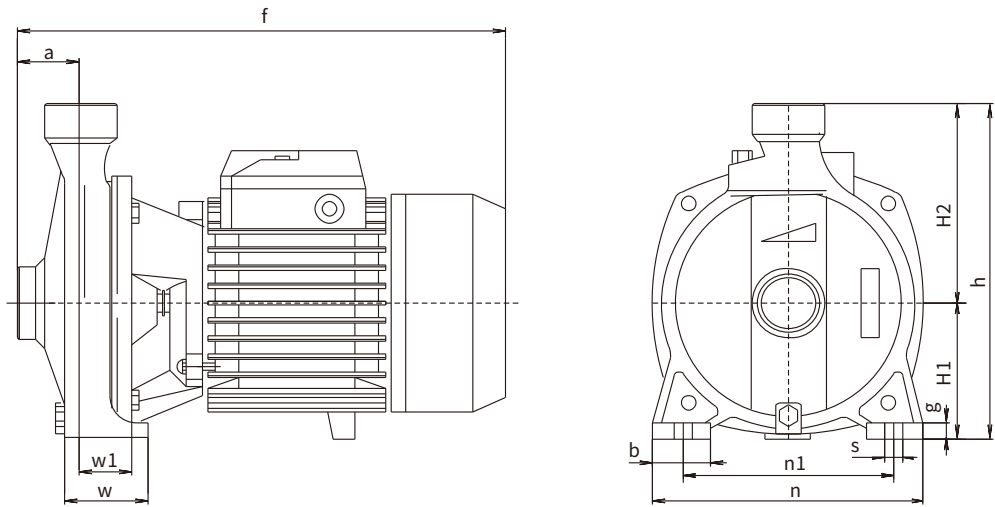
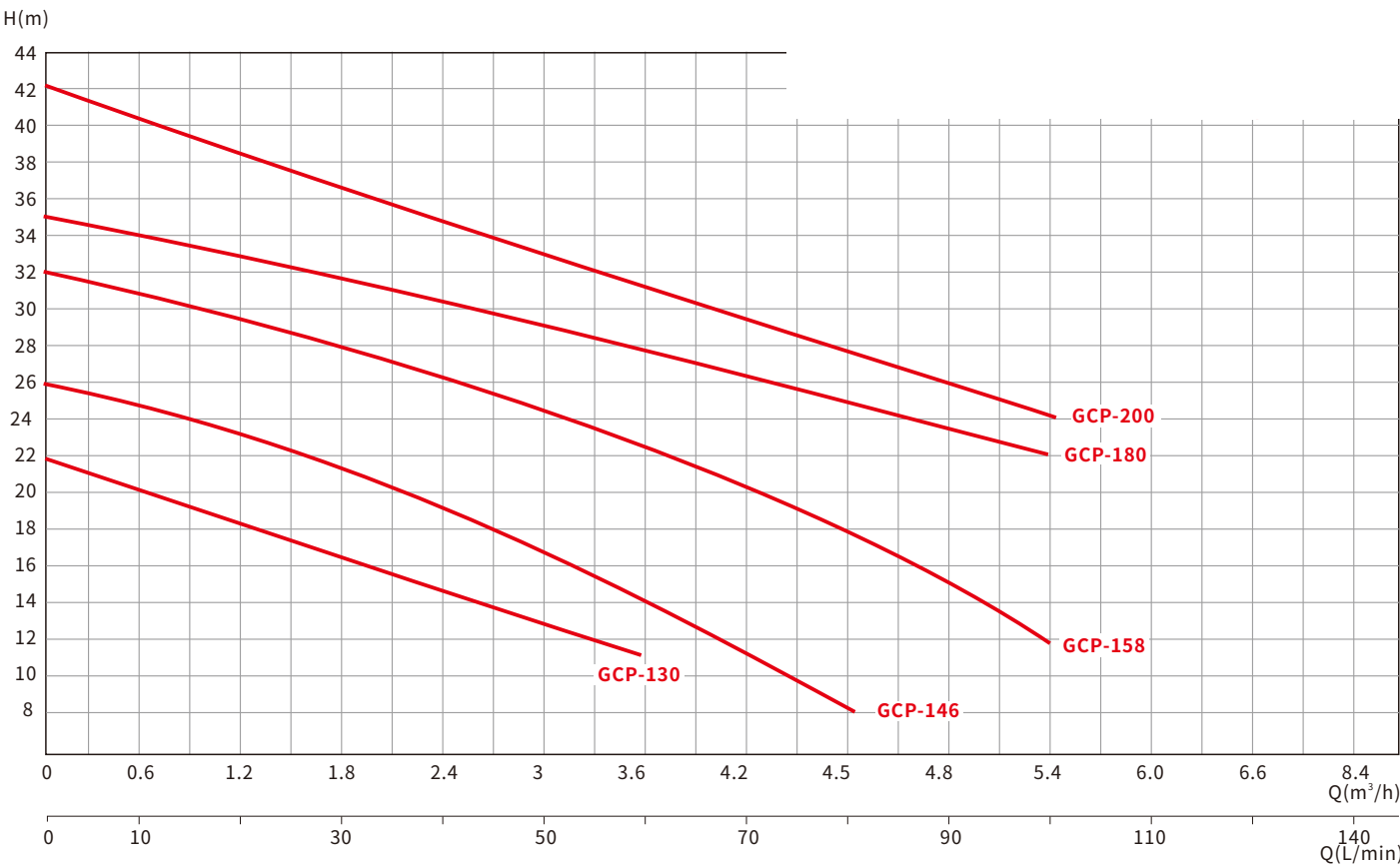
GCP

The GCP series pumps consists of a single centrifugal impeller, These pumps have an essential form and are the result of precise design choices, are made to obtain specific performance characteristics. The impeller, mounted on the end of the motor shaft, faces directly the suction opening machined in the pump. The shape of the impeller transmits a radial motion to the fluid from the center outwards, with minimum hydraulic loss. The blades inside the impeller channel transfer energy to the fluid both in the form of pressure and increase speed. After leaving the fluid passes to the volute and tapered diffuser which transform part of the kinetic energy into pressure energy.

Performance Range:
Flow rate up to 160l/min
Dynamic head up to 46m

Operating Limits:
Suction lift up to 7m
Fluid temperature up to +60°C
Maximum ambient temperature +40°C

TECHNICAL DATA AT 220V/50Hz																n=2850rpm	
PUMP MODEL	Power		Q m³/h	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.5	4.8	5.4	6.0	6.6	8.4
Single phase	KW	HP	L/min	0	10	20	30	40	50	60	70	75	80	90	100	110	140
GCP-130	0.37	0.50	H (m)	22	20	17.5	15	13.5	12	11	10.5						
GCP-146	0.55	0.75		26	22.5	22	21.5	20	17	14.5	11	8					
GCP-158	0.75	1		32	30	29	27	26	24.5	22.5	20	18	17.5	12			
GCP-180	1.1	1.5		35	33.5	32	31	29.5	29	28.5	27.5	26.5	26	22			
GCP-200	1.5	2		42	39	37	35	33.5	33	32.5	32	31	30	24			



TECHNICAL DATA AT 220V/50Hz															
PUMP MODEL	DN1	DN2	DIMENSIONS mm												
Single phase			a	f	h	H1	H2	n	n1	w	W1	b	g	s	
GCP-130	1"	1"	42	259	259	82	129	165	135	52	41	32	10	10	
GCP-146	1"	1"	44	298	298	97	145	190	160	58	42.5	33	10	10	
GCP-158	1"	1"	44	298	298	97	145	190	160	58	42.5	33	10	10	
GCP-180	1"	1"	51	341	341	110	150	206	165	66	44.5	40	12	11	
GCP-200	1"	1"	51.5	358	358	115	175	242	206	55	32.5	36	10	11	

Note: 230V/50Hz,240V/50Hz,110V/60Hz,127V/60Hz Model are available on request.

STAINLESS STEEL

CENTRIFUGAL PUMP

Applications:
Water supplying systems, Pressure boiler feeding, Pure water treating systems, Pharmaceutical industries, Washing and sprinkling



GTP

Materials:
Casing, back-cover, impeller and pump shaft: SUS304 or SUS316L stainless steel
Bracket and motor housing: Aluminium-alloy
Standard mechanical seal: NBR/ceramic/carbon (Other mechanical seal materials are available upon request.)

Technical Data:
Pump
Suction size: G1 1/4"、G1 1/2"
Discharge size: G1"
Max. working Pressure: 8 bar
Liquid temperature:-15°C~+80°C

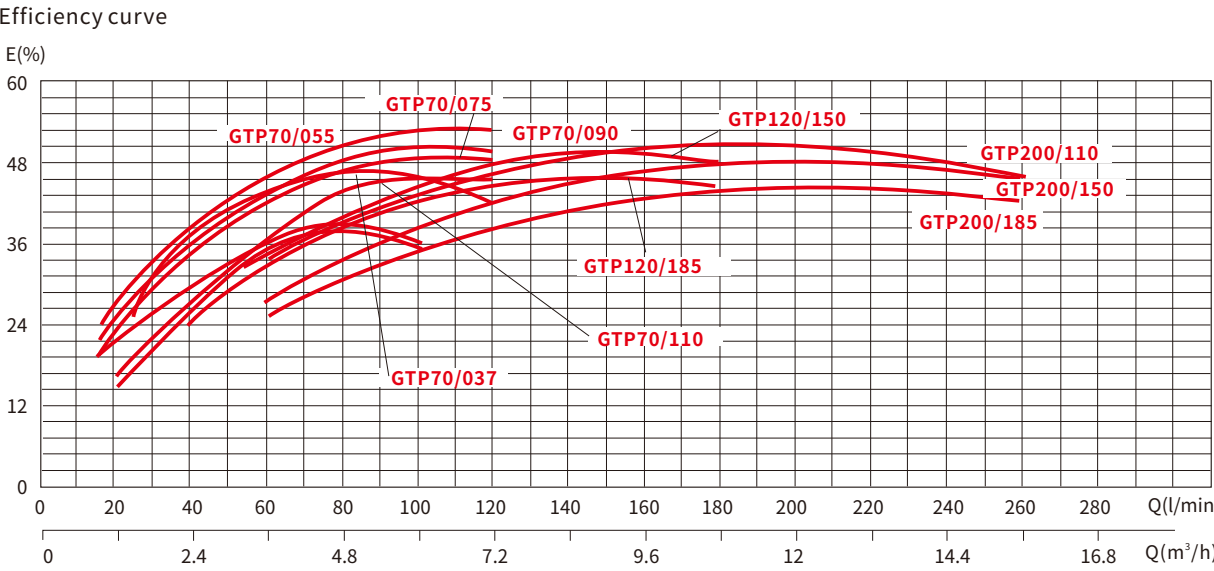
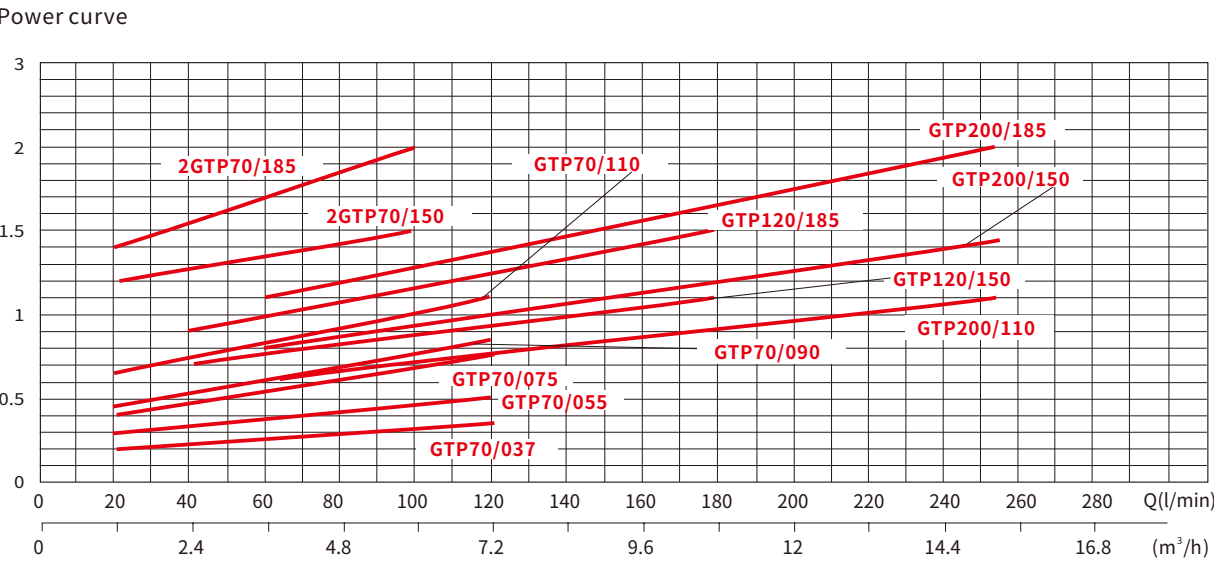
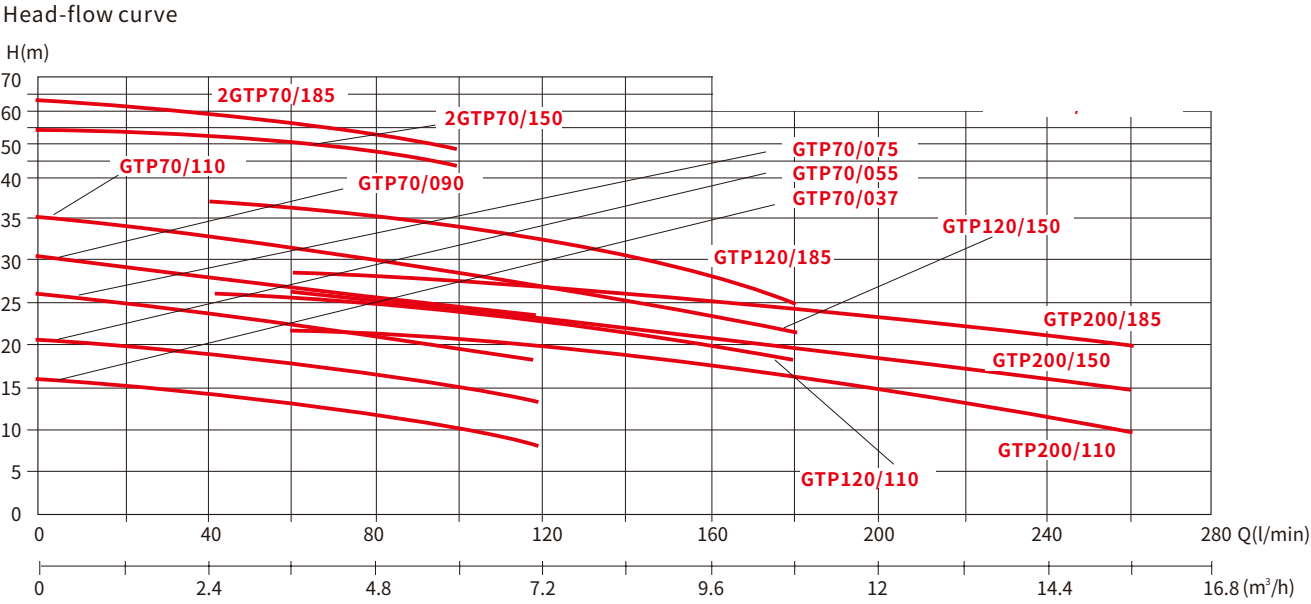
Use Limitation:
The pumps are suitable for transporting clean media which are non-aggressive to stainless steel SUS304 or SUS316L.

Motor:
T.E.F.C.,continuous duty
Insulation class:F
Protection class:IPX5
Single phase version built-in thermal protector upon request.

TECHNICAL DATA AT 50HZ																		n=2800rpm			
Single phase 220V/50HZ	Three phase 380V/50HZ	Power		Suction head	Q	L/min	20	40	60	80	100	120	140	160	180	200	220	240	260		
		KW	HP			m³/h	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8	12	13.2	14.4	15.6		
2GTP 70/150D	2GTP 70/150	1.85	2.5	8	H(m)	54	52	50	47	43											
2GTP 70/185D	2GTP 70/185	2.2	3	8		61	58	56	52	48											
GTP 70/037D	GTP 70/037	0.37	0.5	8		16	15	13.5	13	11.5	10										
GTP 70/055D	GTP 70/055	0.55	0.75	8		19	18	17	16	15	14										
GTP 70/075D	GTP 70/075	0.75	1.0	8		25	24	22.5	22	20	19										
GTP 70/090D	GTP 70/090	0.90	1.2	8		29	28	27	26	24	23										
GTP 70/110D	GTP 70/110	1.10	1.5	8		33	32	31	30	28.5	27										
GTP 120/110D	GTP 120/110	1.10	1.5	8			26	25	24	23	22	21	20	18							
GTP 120/150D	GTP 120/150	1.5	2.0	8			31	30	29	28	27	25	24	21							
GTP 120/185D	GTP 120/185	1.85	2.5	8			37	35.5	34	33	32	30	28	25							
GTP 200/110D	GTP 200/110	1.10	1.5	8					21	20.5	20	19	18	17	16	15	13	12	9		
GTP 200/150D	GTP 200/150	1.50	2.0	8					25.5	25	24	23	22	21.5	21	20	18	17	15		
GTP 200/185D	GTP 200/185	1.85	2.5	8					28.5	28	27.5	27	26.5	26	25	24	23	22	21		

Water test temperature: 20°C. Performance limits: ISO2548 specifications for standard class C pumps
Note: 230V/50Hz,240V/50Hz,110V/60Hz,127V/60Hz Model are available on request.

PERFORMANCE CURVES

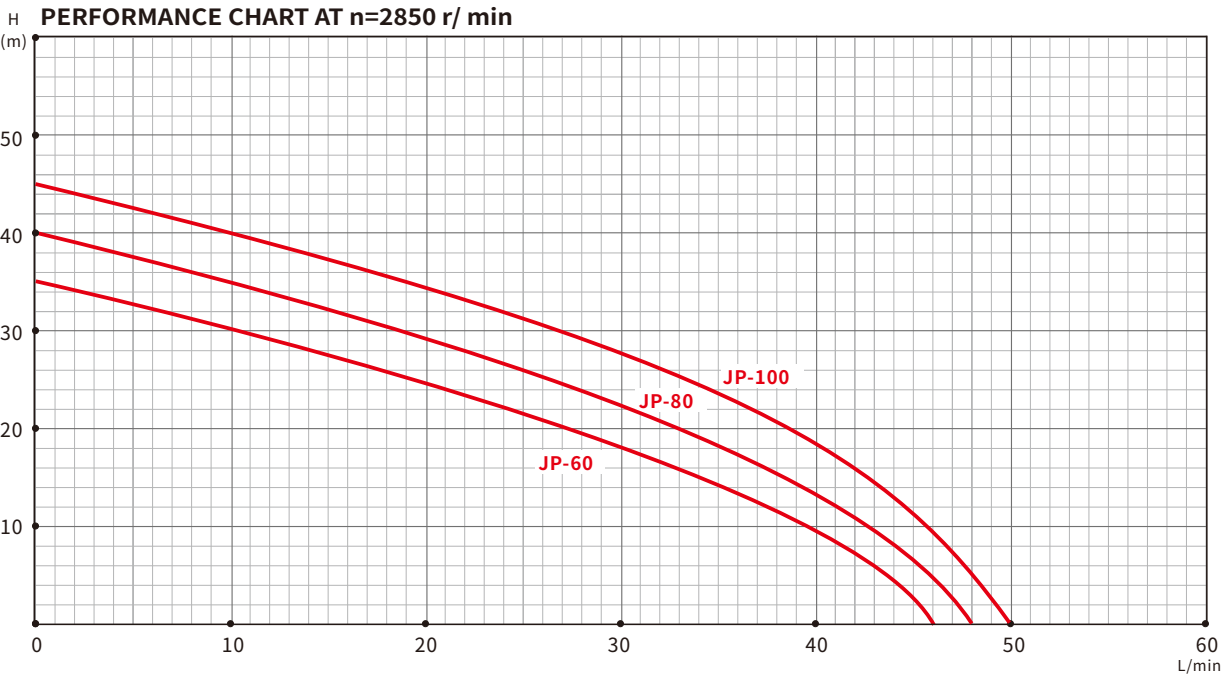


JP

SERIES SELF-PRIMING PUMPS WITH PLASTIC BODY

JP Series self-priming electric pumps, equipped with waterproof plug & power cord and watertight switch, It is suitable for gardening, water supply, washing, increase water pressure, etc. It is usually can be combined with a pressure switch and a surge tank to be used as a Domestic Water System for distributing water.

Pump body: ABS(reinforced ABS)/PPO
Impeller: Brass/Noryl/PPO
Shaft: 45# steel/stainless steel
Insulation class: B/F
Protection class: IP44/IP54
Mechanical seal: Carbon-ceramic / upon request
Motor with thermal protector upon request



TECHNICAL DATA										
MODEL	Max. Capacity (L/min)	Max. Head (m)	Max. Suct.lift (m)	Speed (r.p.m)	Power (w)	Volt (v)	Freq. (Hz)	Pump dia	Net weight (kg)	Overall dimension (mm)
JP-60	46	35	9	2850	460	220	50	1"X1"	8.0	410X220X360
JP-80	48	40	9	2850	600	220	50	1"X1"	9.7	410X220X360
JP-100	50	45	9	2850	750	220	50	1"X1"	9.9	410X220X360

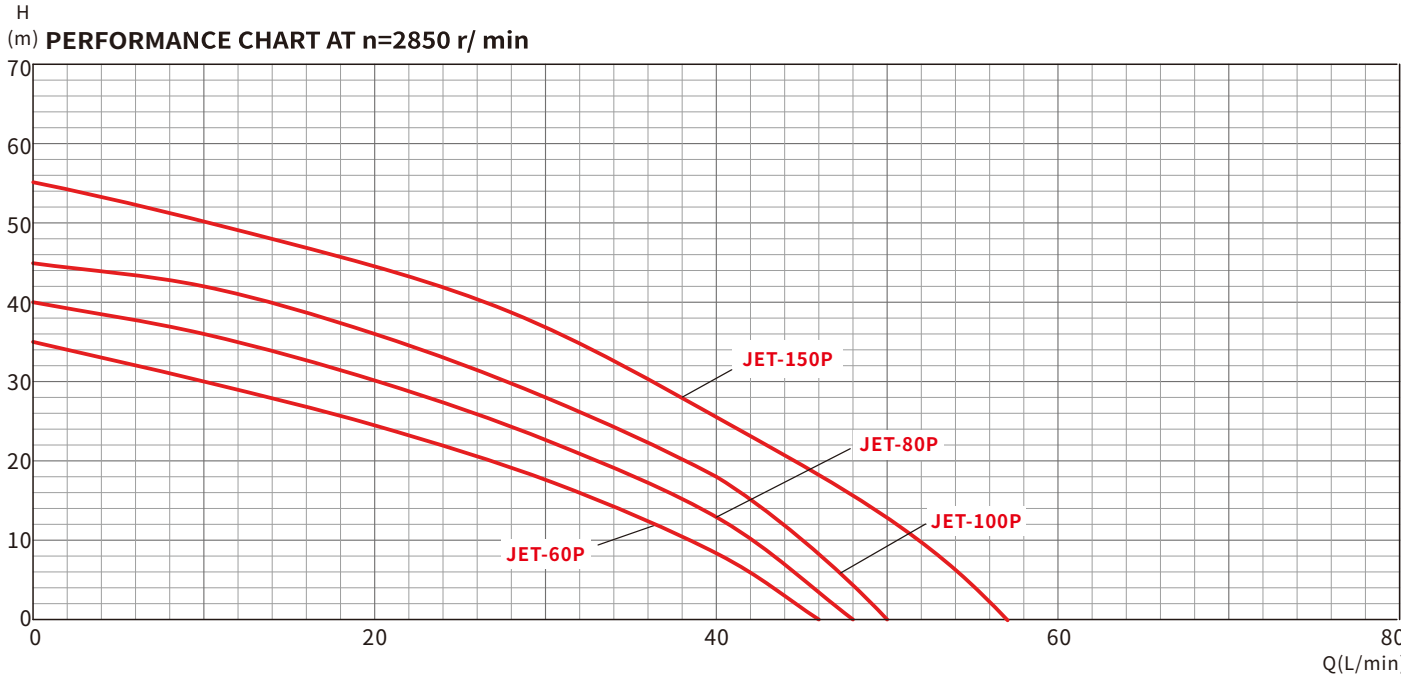
The following are available: Three phase; Single phase dual-voltage 110V/220V/50Hz; and single Phase uni-voltage 230V/50Hz; 240V/50Hz; 110V/60Hz, 115V60Hz,127V60Hz .

JET-P

SERIES SELF-PRIMING JET PUMPS

JET-S/JET-P series are suitable for pumping clean water. They are particularly suitable for domestic applications such as supply water from well, pool etc, the automatic distribution of water by surge tanks and pressure switch, gardening, and increasing of water pressure.

Pump body: Cast iron
Impeller: Brass/PPO
Shaft: 45# steel/stainless steel
Insulation class: B/F
Protection class: IP44/IP54
Mechanical seal: Carbon-ceramic / upon request
Motor with thermal protector upon request



TECHNICAL DATA										
MODEL	Max. Capacity (L/min)	Max. Head (m)	Max. Suct.lift (m)	Speed (r.p.m)	Power (w)	Volt (v)	Freq. (Hz)	Pump dia	Net weight (kg)	Overall dimension (mm)
JET-60P	46	35	9	2850	460	220	50	1"X1"	15.6	425×185×230
JET-80P	48	40	9	2850	600	220	50	1"X1"	16	425×185×260
JET-100P	50	45	9	2850	750	220	50	1"X1"	16.7	425×185×260
JET-150P	55	55	9	2850	1100	220	50	1"X1"	18	425×185×260

The following are available: Three phase; Single phase dual-voltage 110V/220V/50Hz; and single Phase uni-voltage 230V/50Hz; 240V/50Hz; 110V/60Hz, 115V60Hz,127V60Hz .

i-SPRING

Built-in float switch
ideal for tight spaces!



Motor and features

Electric motor with thermal protection and capacitor.
Insulation class B
Electrical cable 10 meters with schuko plug.
Output: Gas 11/2"
With outlet fitting: G11/4" - G1"
Protection degree IP68
Power supply in single-phase 230V-50Hz
Excellent motor cooling even in partially submerged conditions.

Built-in float switch

The height of float switch can be regulate according customer use.

Applications

Drainage electric pump for clear and dirty water in domestic use.
Designed to drain small wells. Supplied with outlet fitting and built-in clapet valve.

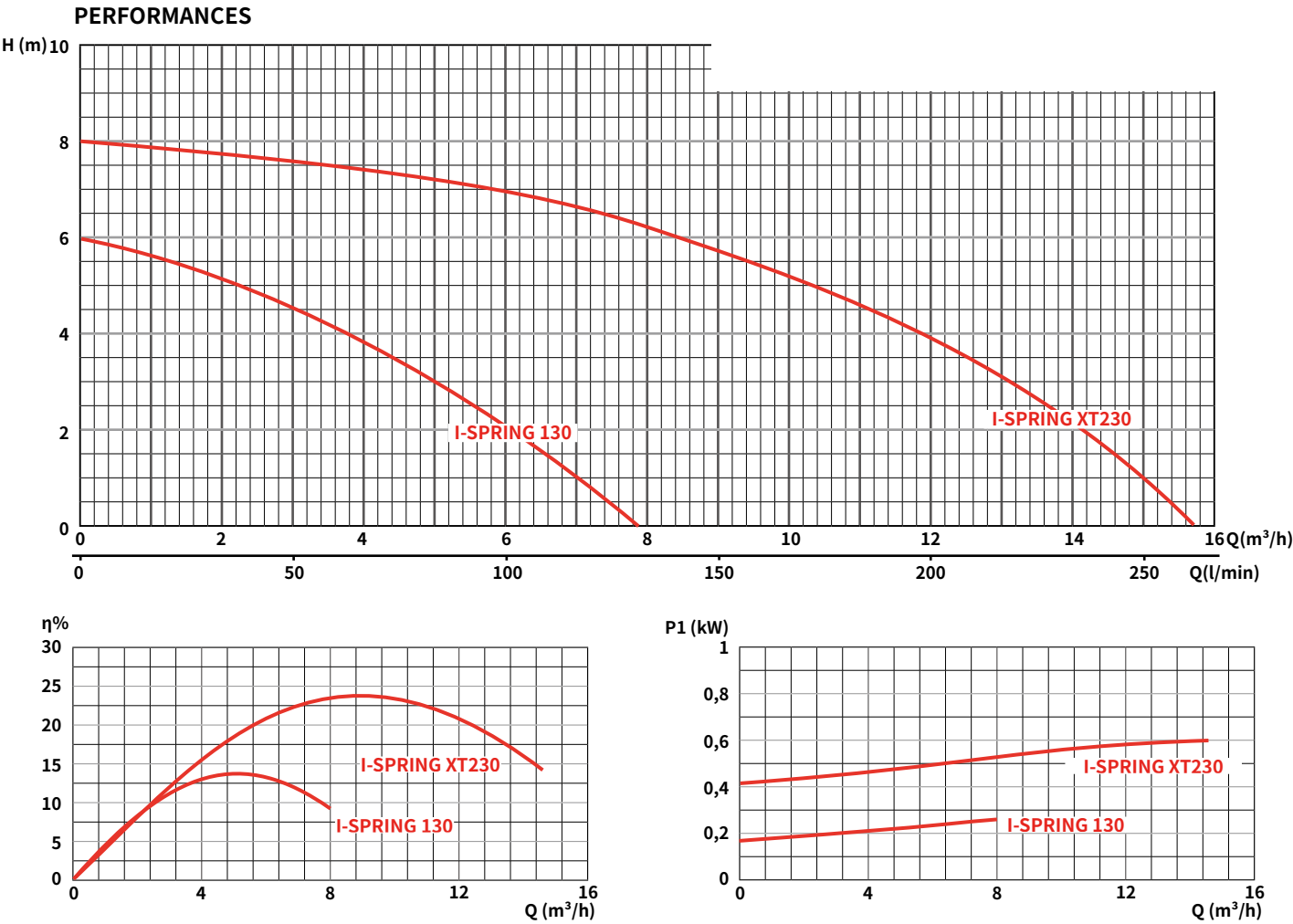
Component	Material
Motor	Copper
Impeller	PPOGF20
Motor shaft	Acciaio Steel
Mechanical seal	Skeleton Seal

i-SPRING 130

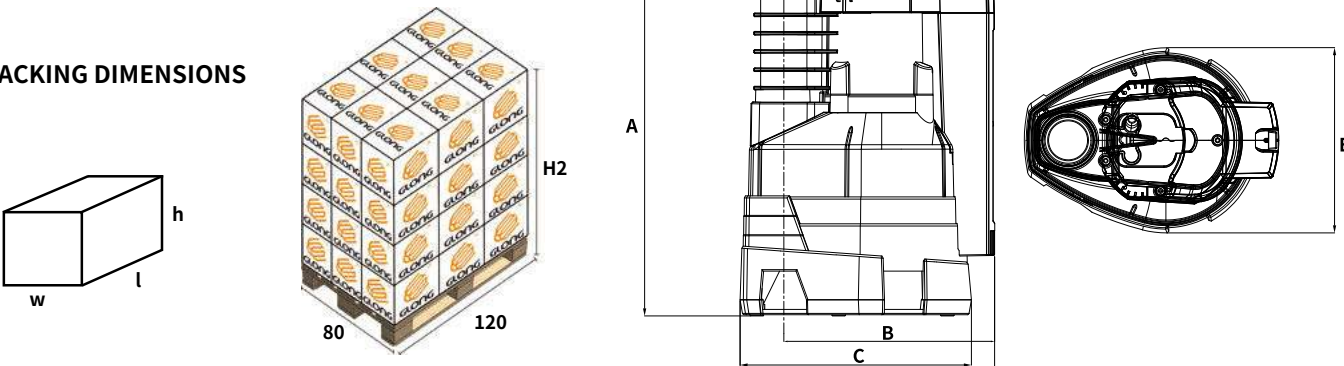
Operating conditions
Lowest pump suction level 5mm
Max. working temperature 35°C
Max. submersible depth 7mt
Max. grain size 5 mm
Max. pump rate 7800 l/min
Max. head 6 mt

i-SPRING XT 230

Operating conditions
Lowest pump suction level 45mm
Max. working temperature 35°C
Max. submersible depth 7mt
Max. grain size 35 mm
Max. pump rate 15500 l/min
Max. head 8 mt



PACKING DIMENSIONS



Model	Rated power		I Max. [A]		Q =- Capacity						
					l/min	0	50	100	150	200	250
	Hp	kW P2	Single-phase 230V	Three-phase 400V	m³/h	0	3	6	9	12	15
					Total head in meters w.c.						
I-SPRING 130	0,36	0,25	1,16	/	H (m)	6	4,5	2			
I-SPRING XT 230	1	0,75	2,52	/		8	7,7	7	5,8	3,9	1

For input power P1 please check the curve on the next page

MODEL	DIMENSIONS mm					PACKING DIMENSIONS cm			WEIGHT	Quantity per pallet	
	A	B	C	D	E	w	l	h	kg	H2	n°
I-SPRING 130	321	196	215,1	236,7	172,1	18	24	37	4,5	124	60
I-SPRING XT 230	351	196	215,1	236,7	172,1	18	24	37	5,6	124	60

QUIET RUNNING

SERIES SWIMMING POOL PUMPS

Applications:
Recycling and filtering of water for medium and commercial swimming pools.



FCP-S

Quiet running single-stage centrifugal pumps, complete with prefilter.

Materials:
Pump body, pump foot and diffuser in glass loaded polypropylene.
Impeller and seal mounting in PPO.
Motor shaft in stainless steel AISI-316.
Mechanical seal in graphite and sic.
Motor housing in aluminum L-2521.

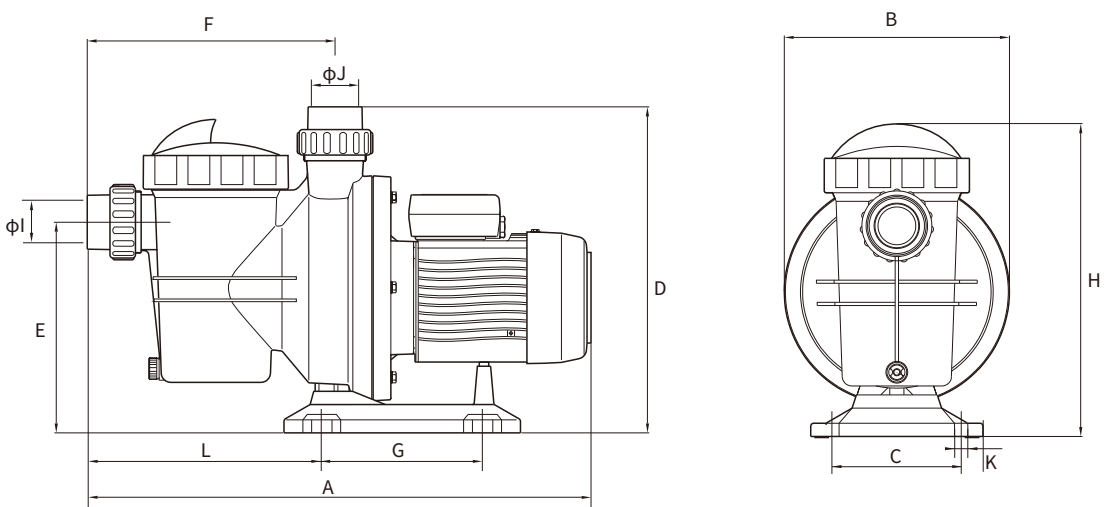
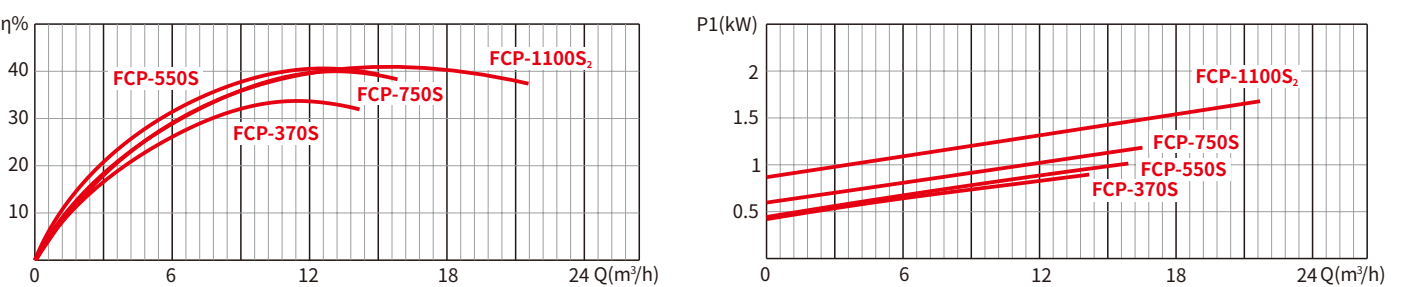
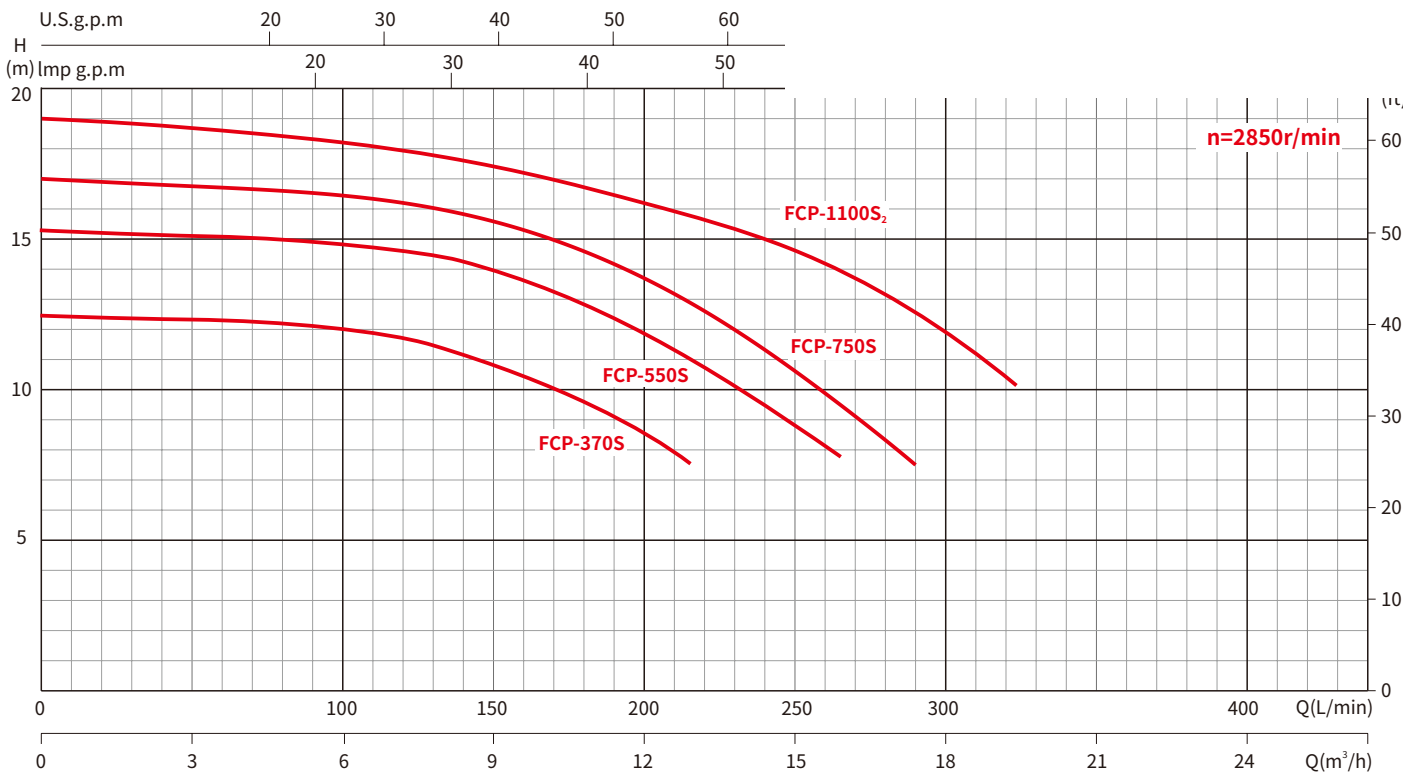
Motor:
Asynchronous, two poles.
IPX5 protection.
Class F insulation.
Continuous operation.
Single phase version built-in thermal protection.
Single phase with **IE1/IE2** motor.
Three phases with **IE1/IE2/IE3/IE4** motor.

TECHNICAL DATA

Model	HP	kW	V		A		P1(kW)		Q	L/min	0	40	80	120	160	215	265	290	340
			1~	3~	1~	3~	1~	3~			0	40	80	120	160	215	265	290	340
			50HZ	50HZ	220	380	1~	3~		m³/h	0	2.4	4.8	7.2	9.6	12.9	15.9	17.4	20.5
FCP-370S	1/2	0.37	220	380	3.1	1.2	0.68	0.65	H(m)	12.5	12.4	12.3	12.0	10.7	7.5				
FCP-550S	3/4	0.55	220	380	4.2	1.6	0.95	0.91		15.2	15.0	14.9	14.8	13.6	11.0	7.8			
FCP-750S	1	0.75	220	380	5.3	2.0	1.15	1.1		17.0	16.8	16.6	16.2	15.3	12.9	9.5	7.5		
FCP-1100S ₂	1½	1.1	220	380	7.4	3.0	1.8	1.7		19.0	18	17.2	16.6	15.8	14	13	11	8.5	

TECHNICAL DATA (IE2/IE3)

Model	HP	P ₂ (kW)	V		A		P1(kW)		Q	L/min	0	40	80	120	160	215	265	290	340					
			1~	3~	1~(IE2)	3~(IE3)					m ³ /h	0	2.4	4.8	7.2	9.6	12.9	15.9	17.4	20.5				
			50HZ	50HZ	220	380	1~	3~		FCP-370S	1/2	0.37	220	380	2.52	0.98	0.68	0.65	H(m)	12.5	12.4	12.3	12.0	10.7
FCP-550S	3/4	0.55	220	380	3.51	1.36	0.95	0.91	15.2	15.0	14.9	14.8	13.6	11.0	7.8									
FCP-750S	1	0.75	220	380	4.58	1.72	1.15	1.1	17.0	16.8	16.6	16.2	15.3	12.9	9.5	7.5								
FCP-1100S ₂	1½	1.1	220	380	6.32	2.43	1.8	1.7	19.0	18	17.2	16.6	15.8	14	13	11	8.5							



DIMENSION

Model	A	B	C	D	E	F	G	H	L	I	J	K	Kg
FCP-370S	550	238	160	345	225	262	170	330	245	φ 50	φ 50	4-φ10	8.7
FCP-550S	550	238	160	345	225	262	170	330	245	φ 50	φ 50	4-φ10	9.3
FCP-750S	550	238	160	345	225	262	170	330	245	φ 50	φ 50	4-φ10	10.4
FCP-1100S ₂	570	238	160	345	225	262	170	330	245	φ 50	φ 50	4-φ10	11.9

QUIET RUNNING

SERIES SWIMMING POOL PUMPS

Applications:
Recycling and filtering of water for medium and commercial swimming pools.



Single-phase
IE2
Three-phase
IE3



THREE PHASE

(09 STYPE)

FCP-S

Quiet running single-stage centrifugal pumps, complete with prefilter.

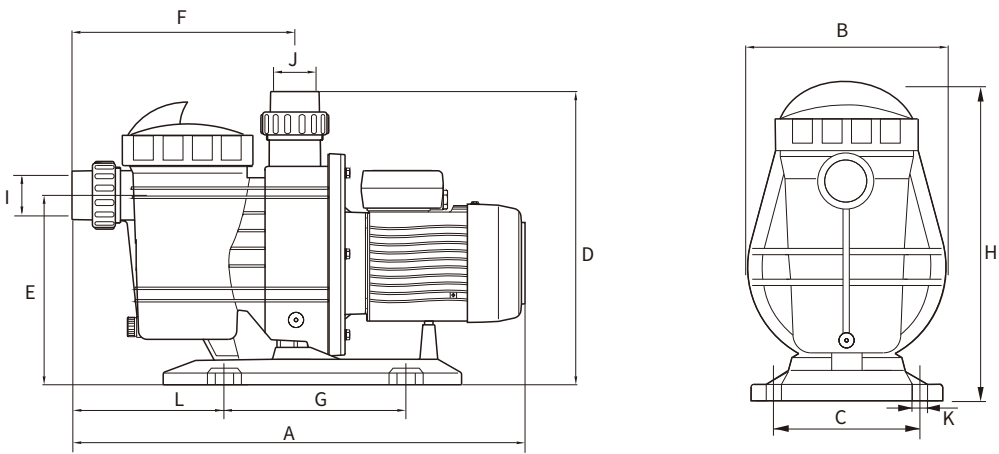
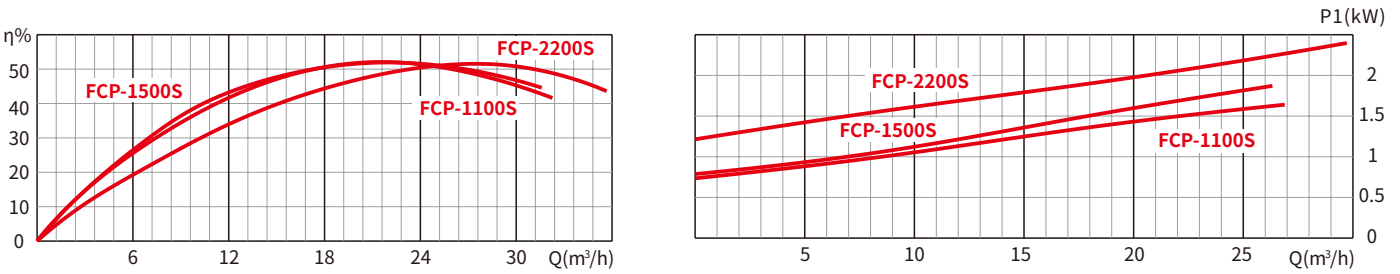
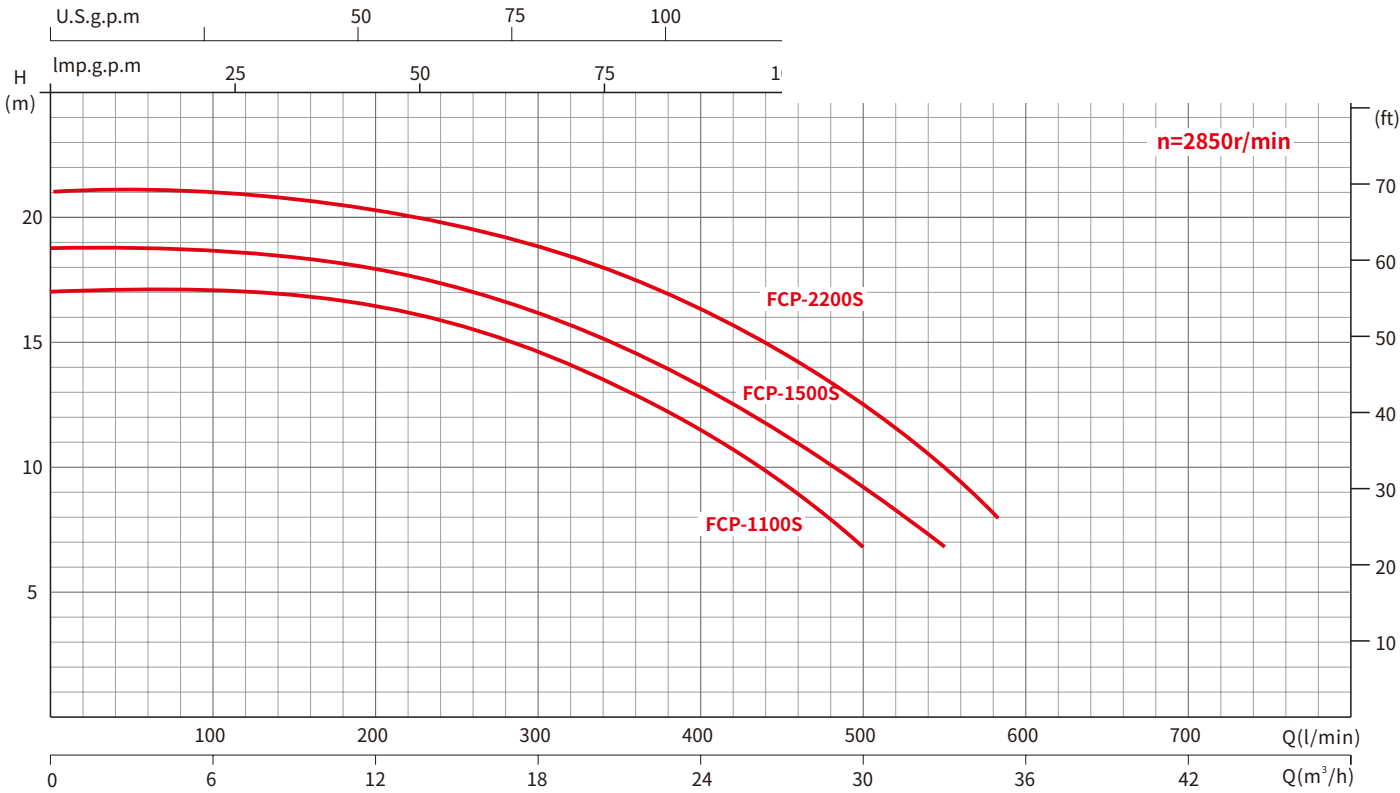
- Materials:**
Pump body, pump foot and diffuser in glass loaded polypropylene.
Impeller and seal mounting in PPO.
Motor shaft in stainless steel AISI-316.
Mechanical seal in graphite and sic.
Motor housing in aluminum L-2521.
- Motor:**
Asynchronous, two poles.
IPX5 protection.
Class F insulation.
Continuous operation.
Single phase version built-in thermal protection.
Single phase with **IE1/IE2** motor.
Three phases with **IE1/IE2/IE3/IE4** motor.

TECHNICAL DATA

Model	HP	kW	V		A		P1(kW)		Q	L/min	0	100	150	250	350	450	500	550
			1~	3~	1~	3~				m³/h	0	6	9	15	21	27	30	33
			50HZ	50HZ	220	380	1~	3~		H(m)	17	16.8	16.5	15.5	13.2	9.4	6.8	
FCP-1100S	1.5	1.1	220	380	7.9	3.0	1.9	1.9	H(m)	19	18.5	18.0	17.1	14.7	11	9	6.8	
FCP-1500S	2	1.5	220	380	10	3.9	2.2	2.2		21.5	20.9	20.5	19.4	18	15.4	12.6	7.2	
FCP-2200S	3	2.2	220	380	13.1	4.9	2.8	2.8										

TECHNICAL DATA (IE2/IE3)

Model	HP	P ₂ (kW)	V		A		P ₁ (kW)		Q	L/min	0	100	150	250	350	450	500	550
			1~	3~	1~(IE2)	3~(IE3)				m³/h	0	6	9	15	21	27	30	33
			50HZ	50HZ	220	380	1~	3~		H(m)	17	16.8	16.5	15.5	13.2	9.4	6.8	
FCP-1100S	1.5	1.1	220	380	6.3	2.43	1.9	1.9	H(m)	19	18.5	18.0	17.1	14.7	11	9	6.8	
FCP-1500S	2	1.5	220	380	8.4	3.22	2.2	2.2		21.5	20.9	20.5	19.4	18	15.4	12.6	7.2	
FCP-2200S	3	2.2	220	380	12.1	4.6	2.8	2.8										



DIMENSION

Model	A	B	C	D	E	F	G	H	L	I	J	K	Kg
FCP-1100S	655	270	230	450	295	335	200	440	270	φ 63	φ 63	4-φ10	16.6
FCP-1500S	655	270	230	450	295	335	200	440	270	φ 63	φ 63	4-φ10	19
FCP-2200S	655	270	230	450	295	335	200	440	270	φ 63	φ 63	4-φ10	18.3

QUIET RUNNING

SERIES SWIMMING POOL PUMPS

Applications:
Recycling and filtering of water for medium and commercial swimming pools.



FCP-A

Quiet running single-stage centrifugal pumps, complete with prefilter.

Materials:
Prefilter, pump body, pump foot in PP.
Seal mounting and impeller in PPO.
Motor shaft in stainless steel AISI-316.
Mechanical seal in SIC&SIC.
Motor housing in aluminum L-2521.

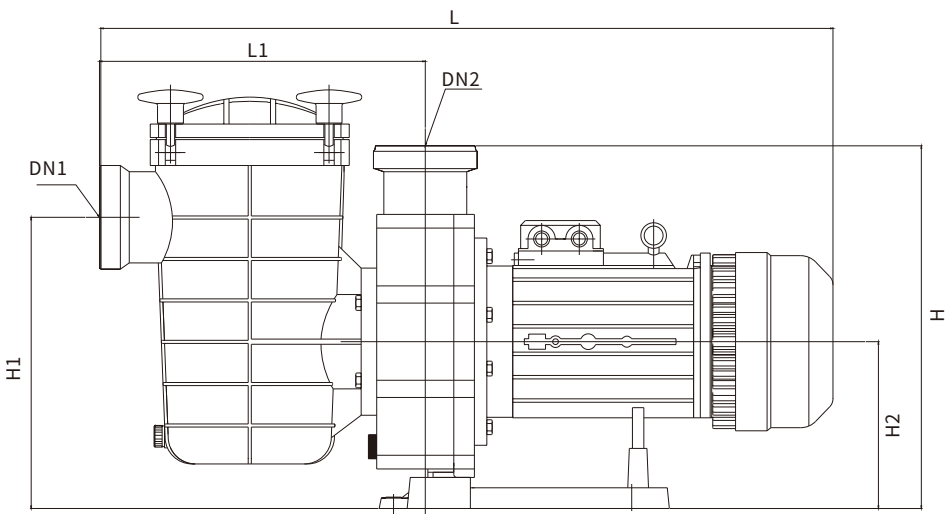
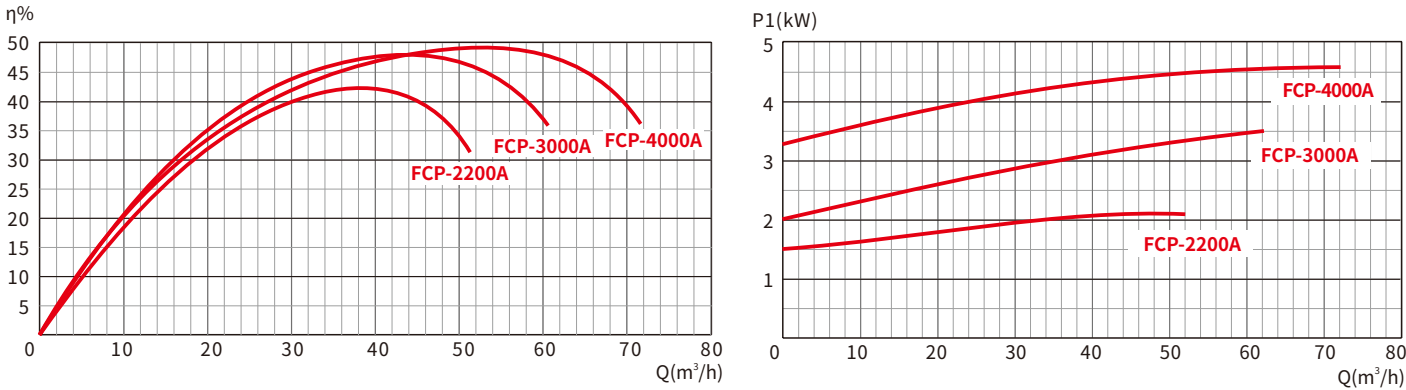
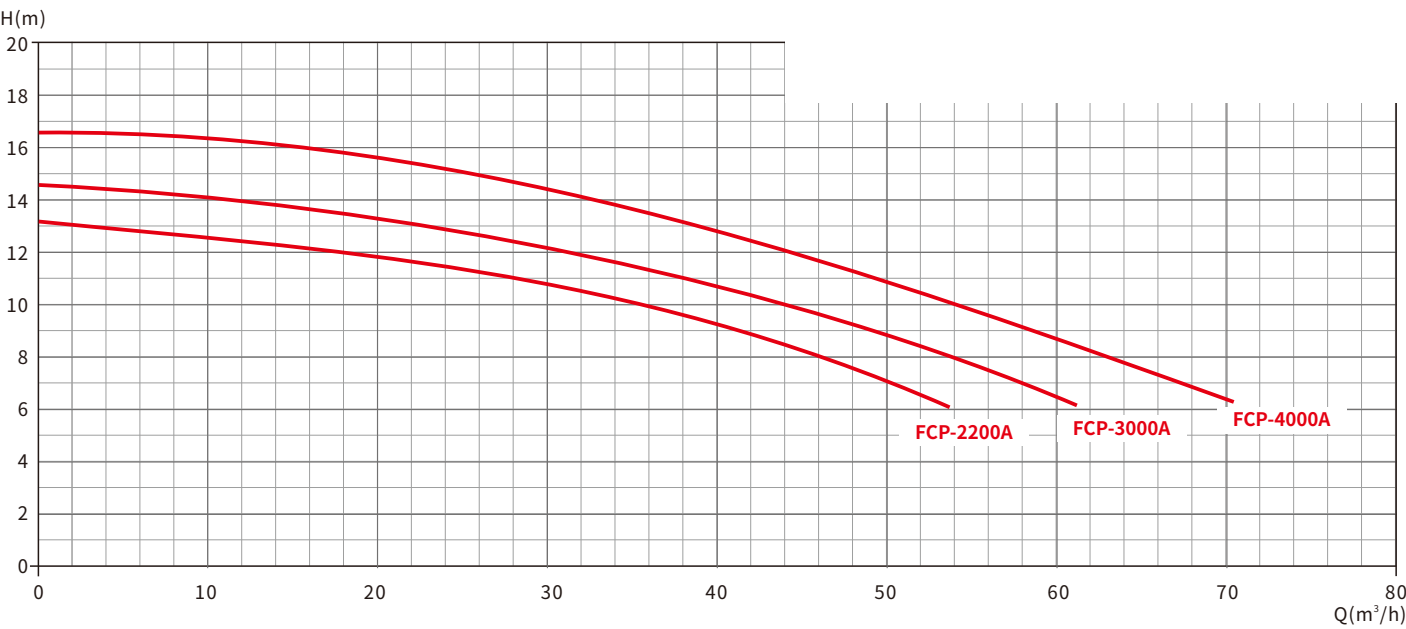
Motor:
Asynchronous, two poles.
IPX5 protection.
Class F insulation.
Continuous operation.
Single phase with IE1/IE2 motor.
Three phases with IE1/IE2/IE3/IE4 motor.

TECHNICAL DATA

Model	HP	kW	V		A		P1(kW)	Q	L/min	0	333.3	500	666.7	833.3	1000	1166.7
			50HZ	50HZ	220V	380V	1~/3~		m³/h	0	20	30	40	50	60	70
FCP-2200A	3	2.2	220	380	13	4.9	2.8	H(m)	13	12	10.6	9.5	7			
FCP-3000A	4	3		380		6.4	3.6		14.5	13.5	12	10.8	9	6.5		
FCP-4000A	5.5	4		380		8.3	4.7		16.5	15.7	14	12.5	10.5	8.5	6.5	

TECHNICAL DATA (IE2/IE3)

Model	HP	P ₂ (kW)	V		A		P1(kW)	Q	L/min	0	333.3	500	666.7	833.3	1000	1166.7
			50HZ	50HZ	220V (IE2)	380V (IE3)	1~/3~		m³/h	0	20	30	40	50	60	70
FCP-2200A	3	2.2	220	380	12.1	4.6	2.8	H(m)	13	12	10.6	9.5	7			
FCP-3000A	4	3		380		6.0	3.6		14.5	13.5	12	10.8	9	6.5		
FCP-4000A	5.5	4		380		7.8	4.7		16.5	15.7	14	12.5	10.5	8.5	6.5	



DIMENSION

Model	L	L1	H	H1	H2	DN1	DN2
FCP-2200A	683	310	319	286	156	φ 75	φ 75
FCP-3000A	683	310	319	286	156		
FCP-4000A	718	310	319	286	156		

QUIET-RUNNING

SERIES CENTRIFUGAL PUMP

Applications:
Compact hydromassage units



BTP-AN(50Hz)

Single-stage centrifugal pumps.

Materials:
Suction, discharge mountings and impeller in PPO.
Motor shaft in stainless steel AISI-316.
Mechanical seal in SIC&SIC.
Motor housing in aluminum L-2521.

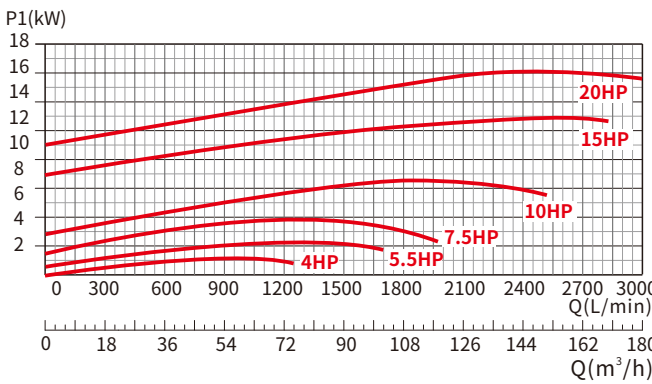
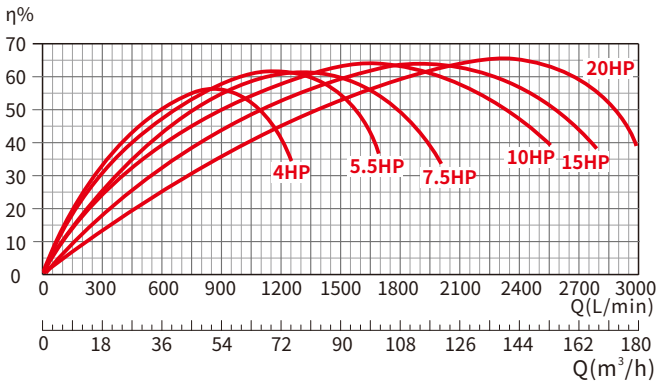
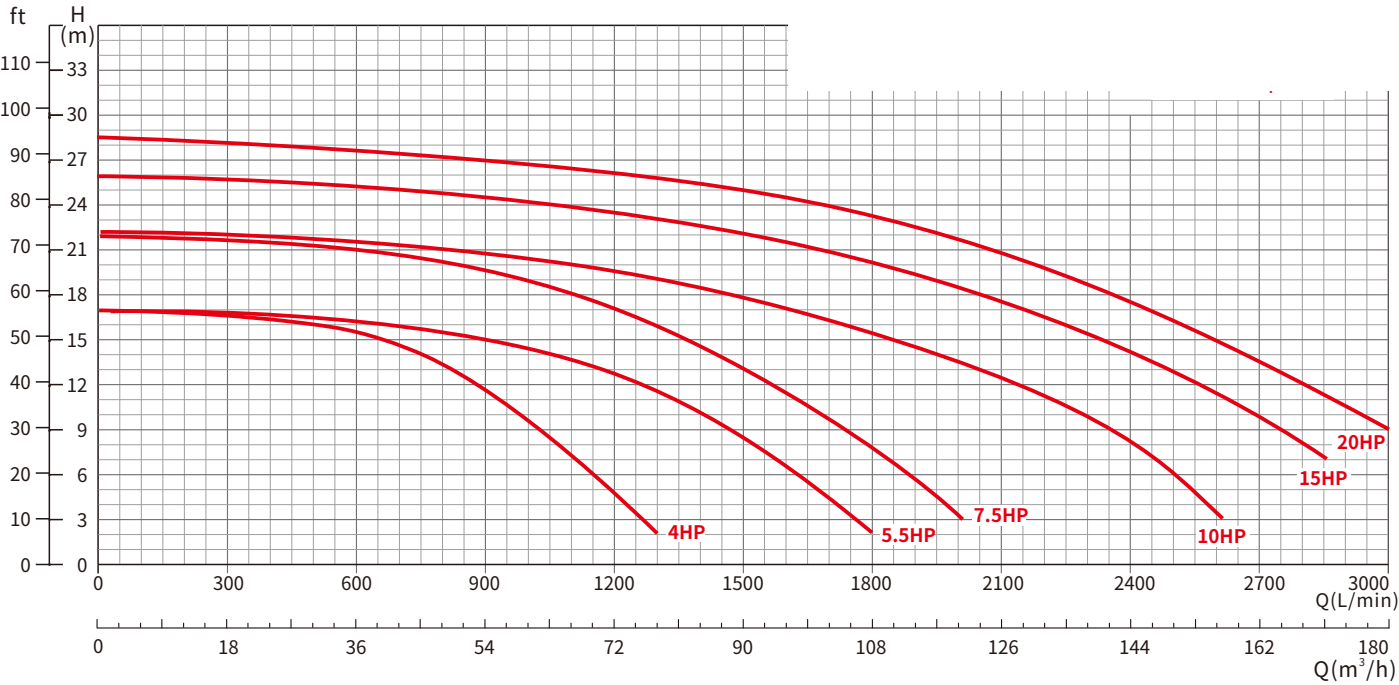
Motor:
Asynchronous, two poles.
IPX5 protection.
Class F insulation.
Continuous operation.
Three phases with IE1/IE2/IE3/IE4 motor.

TECHNICAL DATA 50Hz

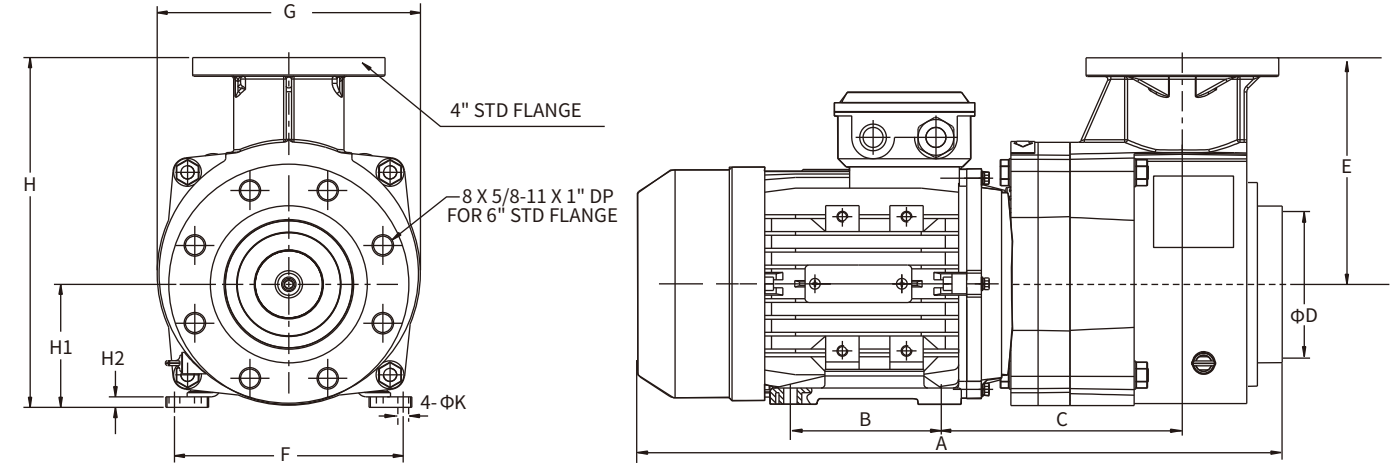
Model	HP	kW	V		A	P1(kW)	Q	L/min m³/h	0	667	833	1000	1167	1500	1667	1917	2250	2500	2833	3000	
			3~	380V					0	40	50	60	70	90	100	115	135	150	170	180	
BTP-4.0AN	4	3	220	380	6.4	3.63	H(m)	16.5	13.5	12	9.5	5									
BTP-5.5AN	5.5	4	220	380	8.3	4.75		16.8	15.8	15	13.8	12.5	8	4							
BTP-7.5AN	7.5	5.5	220	380	11.1	6.42		22	20.5	19.5	18.5	17	13	9.5	5						
BTP-10AN	10	7.5	220	380	14.9	8.62		22.5	21.5	21	20.3	19.5	18	17	14.5	10.5	6				
BTP-15AN	15	11	220	380	21	12.44		26	25.2	24.5	24	23.5	22.5	21	19	16	13	7.5			
BTP-20AN	20	15	220	380	28	16.85		28.5	27.5	27	26.5	26	25	24	22.5	19.5	16.5	11	9		

TECHNICAL DATA 50Hz (IE3)

Model	HP	P ₂ (kW)	V		A	P1(kW)	Q	L/min m ³ /h	0	667	833	1000	1167	1500	1667	1917	2250	2500	2833	3000	
			3~		380V				0	40	50	60	70	90	100	115	135	150	170	180	
BTP-4.0AN	4	3	220	380	6.0	3.63	H(m)	16.5	13.5	12	9.5	5									
BTP-5.5AN	5.5	4	220	380	7.8	4.75		16.8	15.8	15	13.8	12.5	8	4							
BTP-7.5AN	7.5	5.5	220	380	10.7	6.42		22	20.5	19.5	18.5	17	13	9.5	5						
BTP-10AN	10	7.5	220	380	14.4	8.62		22.5	21.5	21	20.3	19.5	18	17	14.5		10.5	6			
BTP-15AN	15	11	220	380	20.6	12.44		26	25.2	24.5	24	23.5	22.5	21	19	16	13	7.5			
BTP-20AN	20	15	220	380	27.8	16.85		28.5	27.5	27	26.5	26	25	24	22.5	19.5	16.5	11	9		



DIMENSIONAL DATA



DIMENSION

Model	A	B	C	D	E	F	G	H	H1	H2	K
BTP-4.0AN	725	140	279	160	269	190	312	415	145	14	12
BTP-5.5AN	725	140	279	160	269	190	312	415	145	14	12
BTP-7.5AN	800	140	279	160	269	190	312	415	145	14	12
BTP-10AN	800	140	298	160	269	216	312	415	145	14	12
BTP-15AN	825	210	298	160	269	216	312	415	145	18	12

FB-018~025

SERIES-HIGH PERFORMANCE FIBERGLASS FILTER

High Performance sand Filters are manufactured with polyester and glass fiber winding for dependable, durable and all weather operation. They are economic, high performance filters for private, fish pool, Jacuzzi and public pools .

We present an extensive range of filters manufactured with polyester and glassfiber winding for high resistance and high quality of water filtration. FB series filters are used for private, fish pool, Jacuzzi and public pools.

Filters with flange connection include with:

- Superior manhole
- Filtration bed with 1 meter of sand
- Stainless steel hubs and laterals
- Air bleed system
- Drain for sand and water
- Manometer panel
- Inlets and outlets with detachable unions or flanges.
- Working pressure: 2.5 bar

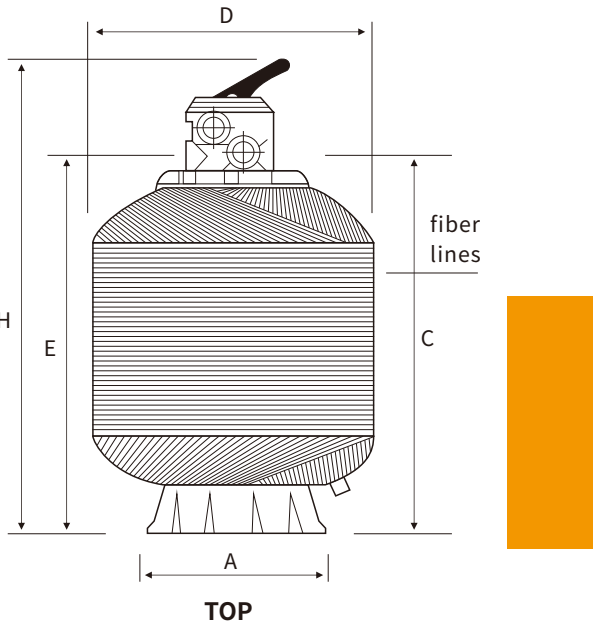


Features of FB filters include:

- Multi-port 6-way valve (bolts mounted) with lever-action handle
- Integral sight glass for watching backwash cycle
- Manometer, air-bleed apparatus for monitoring and varing the pressure of filtration system
- Large pressure sand/water drain for rapid winterizing or servicing
- Umbrella-fold self cleaning laterals for balanced flow, backwashing and easy maintenance
- Maximum working pressure: 2.5 bars.

Function. of 6-way (Multi-port) valve

- 1.Filter 2.Waste 3.Close 4.Backwash
- 5.Re-circulate 6.Rinse



TECHNICAL DATA FOR TOP MOUNT FIBERGLASS FILTER

Model	ΦD	H	A	C	E	Diameter		Filter area	Max Flow Rate	Sand
	mm	mm	mm	mm	mm	Inch	mm	m²	m³/h	kg
FB-018	400	730	370	555	550	1.5	48/50	0.126	6.5	70
FB-019	450	815	370	640	640	1.5	48/50	0.159	8	80
FB-020	500	886	460	710	710	1.5	48/50	0.196	10	100
FB-021	600	975	460	800	800	1.5	48/50	0.283	14.1	180
FB-022	750	1150	590	934	930	2	60/63	0.442	22.1	250
FB-023	900	1300	790	1084	1084	2	60/63	0.636	30	350
FB-024	1000	1380	945	1164	1164	2.5	75/76	0.785	35	450
FB-025	1200	1580	1010	1364	1364	2.5	75/76	1.131	50	750

FB-001~006

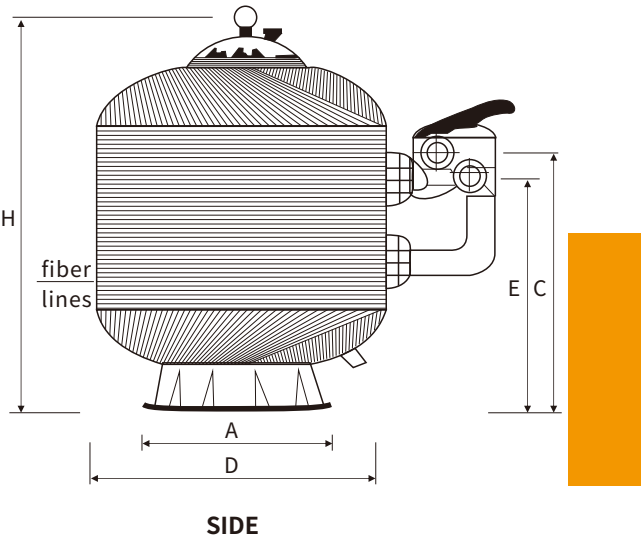
SERIES-HIGH PERFORMANCE FIBERGLASS FILTER

High Performance sand Filters are manufactured with polyester and glass fiber winding for dependable, durable and all weather operation. They are economic, high performance filters for private, fish pool, Jacuzzi and public pools .

We present an extensive range of filters manufactured with polyester and glassfiber winding for high resistance and high quality of water filtration. FB series filters are used for private, fish pool, Jacuzzi and public pools.

Filters with flange connection include with:

- Superior manhole
- Filtration bed with 1 meter of sand
- Stainless steel hubs and laterals
- Air bleed system
- Drain for sand and water
- Manometer panel
- Inlets and outlets with detachable unions or flanges.
- Working pressure: 2.5 bar



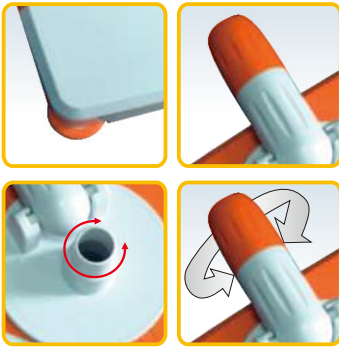
TECHNICAL DATA FOR SIDE MOUNT(THREAD) FILTER

Model	ΦD	H	A	C	E	Diameter		Filter area	Max Flow Rate	Sand
	mm	mm	mm	mm	mm	Inch	mm	m²	m³/h	kg
FB-001	500	811	460	551	470	1.5	48/50	0.196	10	120
FB-002	600	891	460	594	513	1.5	48/50	0.283	14.1	200
FB-003	750	1006	590	643	562	2	60/63	0.442	22.1	300
FB-004	900	1228	790	779	698	2	60/63	0.636	30	400
FB-005	1000	1233	945	787	707	3	75/76	0.785	35	550
FB-006	1200	1433	1010	901	820	3	75/76	1.131	50	750

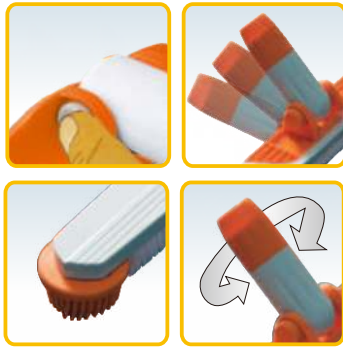
CLEANING EQUIPMENT



GL1031
Premium vacuum head cast iron weighted w/swivek cuff and EZ twist telepole connect / disconnect



GL1438
20"/50cm Premium polybristle floor and wall brush w/roller bumper, push button angle adjust and EZ twist telepole connect /disconnect



GL1220
Premium large deep bag leaf rake w/ soft-scoop edge and EZ twist telepole connect /disconnect



GL1323
Premium large leaf skimmer w/ soft-scoop edge and EZ twist telepole connect /disconnect

CLEANING EQUIPMENT



GL1101
Economy jet vac w/ brush for small above ground pool



GL1001
Standard liner vac head cast iron weighted



GL1002
Economy liner vac head



GL1004
Triangular transparent cast iron weighted vac head w/ swivel cuff



GL1005
Deluxe large vac head cast iron weighted w/ side brush



GL1007
14"Flexible vac head for in-ground pool



GL1008
14" Flexible vac head w/ EZ-clip and swivel cuff



GL1011
14" Aluminum Vac head



GL1012
18" Deluxe large Aluminum Vac head

SWIMMING POOL SPARES PART



Reel vacuum hose set

GL3862	Hose Reel-carrie vacuum hose with Extruded PE hose 1.5"-9M
GL3863	Hose Reel-carrie vacuum hose with Spiral wound EVA hose 1.5"-13M
GL3864	Hose Reel-carrie vacuum hose with Extruded PE hose 1.5"-13M



GL2212RA	Ribbed pole-0.8mm thick	2x120cm
GL2218RA	Ribbed pole-0.8mm thick	2x180cm
GL2224RA	Ribbed pole-0.8mm thick	2x240cm
GL2212RB	Ribbed pole-1.1mm thick	2x120cm
GL2224RB	Ribbed pole-1.1mm thick	2x240cm



GL3861

Hose Reel (carrier vacuum hose up to 13m in length,Not include the hose)



GL2381

Aluminium life hook



GL1745

Molded buoy ring with rope surround (Outer:10mm,Inner440mm,H:105mm)



GL1716

Foot basin



GL17161

Big foot basin



GL1907

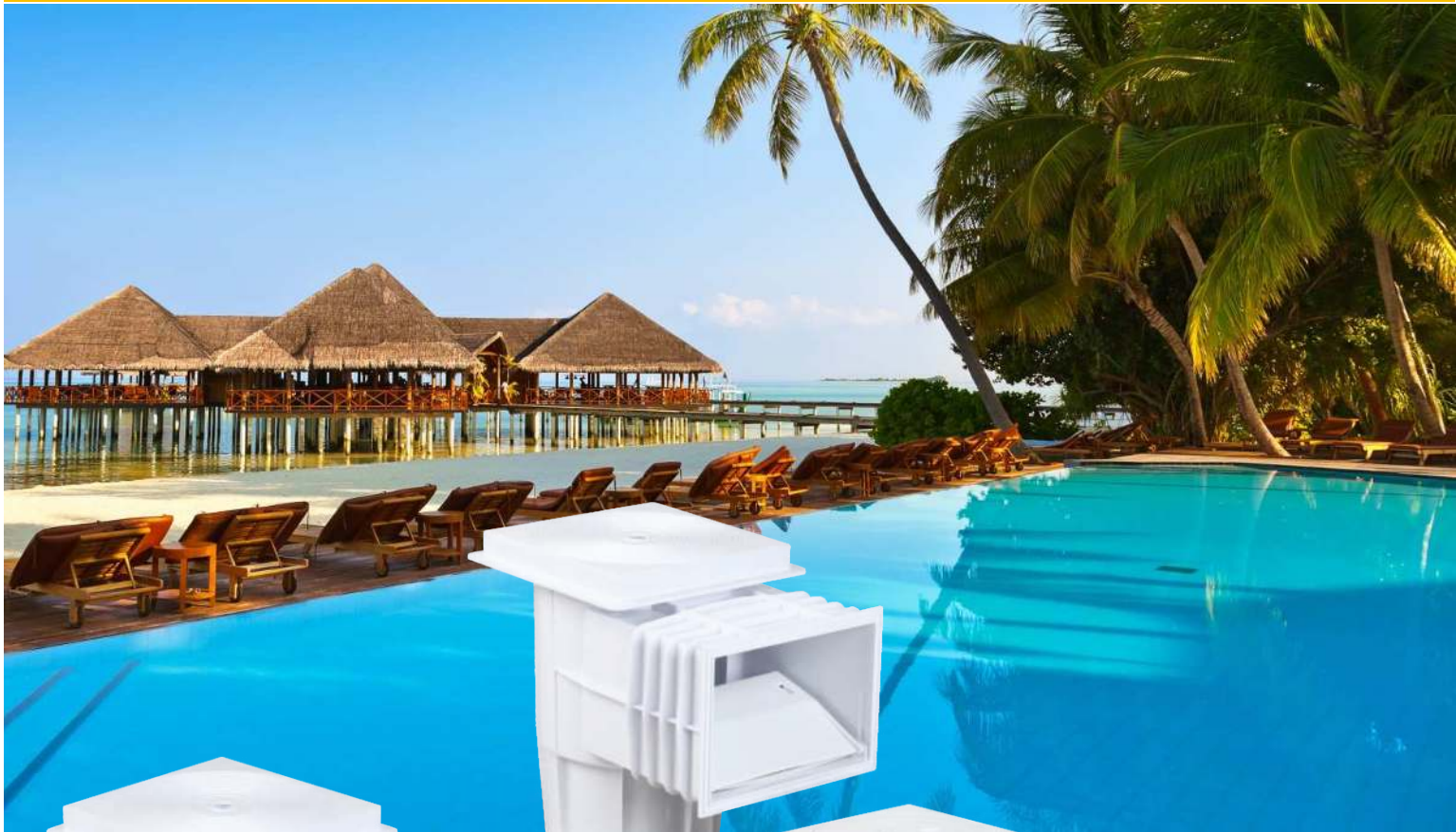
Basic PH&CL test kit(20cl)



GL1908

Test kit refill bottle

STANDARD SKIMMERS





GL 1311

Leaf Net Rake

Skimmer net for collecting leaves and debris from the pool surface.



GL 1411

Cleaning Brush 50cm

Cleaning brush for pool floor and walls, 50 cm.
Durable bristles for effective scrubbing.



Kalite ve Güven...

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