Magnetic drive pump series

Model : MD / QHX

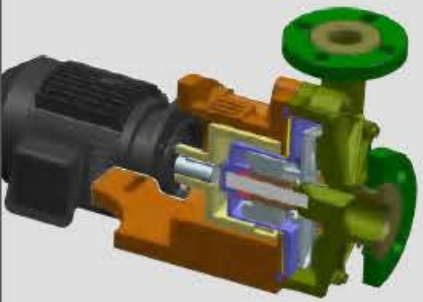
Magnetic pump

【QHX series】

Product characteristics

1. The magnetic pump adopts the non-shaft-seal design, and the pump is completely sealed without leakage;
2. Equipped with anti idling device, so that the magnetic pump will not be damaged in case of no water idling for a long time, and improve the durability of the product;
3. The new design of flow passage can minimize the loss of products and improve the use efficiency
4 The applicable temperature shall be determined according to different chemical properties: GFRPP - below 80 ℃, CFRPP - below 80 ℃, PVDF - below 100 ℃, CFRETFE - below 150 ℃.

Product superiority



1. A variety of connection modes of front cover inlet and outlet are available;
2. The front and rear covers adopt convex point structure and flat gasket sealing ring to ensure excellent sealing effect;
3. Impeller deflection is lower than 0.2mm;
4. Passive magnets and plastic shells are injection molded at one time to ensure that there is no penetration forever.
5. The shaft core is made of 99% alumina and SSIC material;
6. The gasket of the back cover is made of SUS304 material to enhance its temperature resistance and pressure resistance;
7. The connection between the motor and the pump head is a plastic injection molding integrated structure, which can prevent the corrosion of the connection caused by the leakage of acid and alkali gas and liquid;
8. The surface of drive magnet adopts resin paint baking, with better corrosion resistance. After dynamic balance test, the vibration of drive magnet is lower than 2.0mm/s;

Decomposition diagram of QHX

① Inlet flange connector
② Inlet flange
③ Inlet seal O-ring
④ Outlet flange connector
⑤ Outlet flange
⑥ Outlet seal O-ring
⑦ Front cover
⑧ O-Ring
⑨ Impeller assembly
⑩ Bearing
⑪ Spindle
⑫ Rear cover
⑬ Back cover
⑭ Frame
⑮ Drive magnet
⑯ Motor

Model description

QHX--F--54--3--C--C--V--5--V38--A

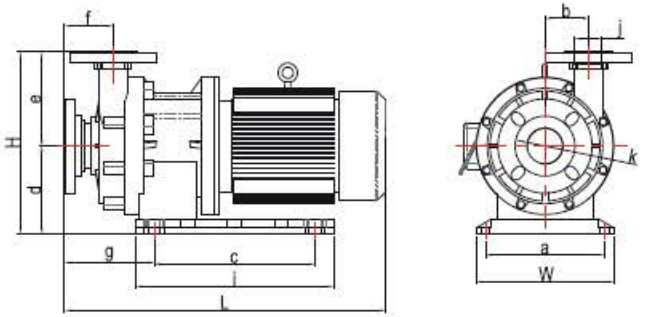
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

① Model No.: QHX
② Pump material: F-GFRPP: C-CFRPP; P-PVDF; E-CFRETFE
③ Inlet and outlet diameter: 25-25x25mm; 44-40x40mm; 54- 50x40mm; 65-65x50mm; 66-65x65mm;
④ Horsepower:0-1/2HP; 1-1HP; 2-2HP; 3-3HP; 5-5HP
⑤ Pump shaft material: C-ceramic: S-SSIC
⑥ Bearing material: C- graphite: S- SSIC; P- PTFE
⑦ O-Ring: E-EP DM; V-VITO N(FKM)
⑧ Frequency: 5-50HZ; 6- 60HZ
⑨ Voltage: V38-30/220V/380V; V41-30/280V/415V; V44-30/240V/440V
⑩ Specific gravity of liquid medicine: 50HZ--A-1.2 / B-1.5 / C-2.0; 60HZ--A-1.2 / B-1.5 / C-2.0

Product specification

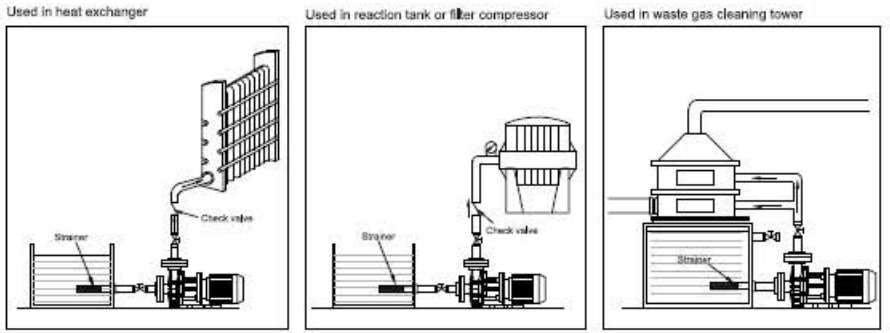
Model	Inlet and outlet diameter (mm)	Max.Head(m)		Max.Capacity(L/min)		Power(HP)	Weight (kg)
		50Hz	60Hz	50Hz	60Hz		
QHX-250	25/25	16.12	15.33	150	150	0.5	14.5
QHX-440	40/40	12.3	13.0	240	240	0.5	13.3
QHX-251	25/25	22.09	23.46	180	180	1	19.1
QHX-441	40/40	19.0	19.6	330	330	1	19.0
QHX-542	50/40	24.4	25.3	450	450	2	25.7
QHX-552	50/50						26.5
QHX-542H	50/40	27.6	30.6	250	150	2	25.7
QHX-552H	50/50						26.5
QHX-543	50/40	30.6	31.8	510	510	3	27.9
QHX-553	50/50						28.0
QHX-543H	50/40	34.2	36.6	300	250	3	27.9
QHX-553H	50/50						28.0
QHX-545	50/40	35.0	39.4	500	500	5	38.6
QHX-555	50/50						34.4
QHX-653	65/50	20.0	20.1	600	600	3	29.6
QHX-655	65/50	27.6	28.1	860	860	5	39
QHX-662	65/65	14	15	900	850	2	27.7
QHX-663	65/65	17	18	1050	1000	3	29.2
QHX-665	65/65	21	23	1230	1250	5	39.2

Size specification

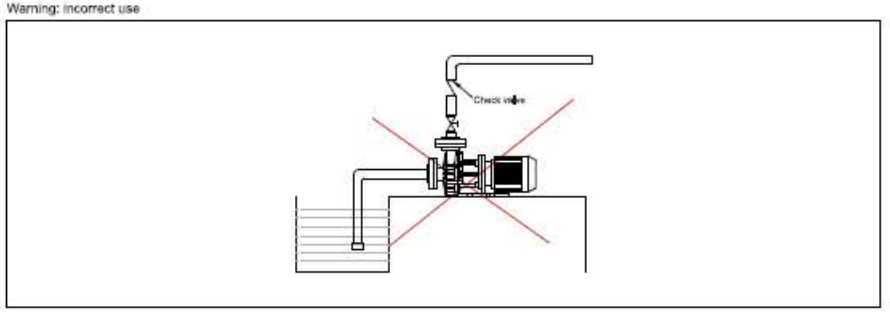


Model	L	H	W	a	b	c	d	e	f	g	i	j	k
QHX-250	453	261	191	146	65	132	119	142	88	170	207	Ø20	Ø20
QHX-440	453	229	157	130	54	130	97	132	87.5	136	200	Ø36.5	Ø36.5
QHX-251	468	254	191	127	65	131	114	140	90	161	207	Ø20	Ø20
QHX-441	482	257	194	127	72	135	110	147	105	177	219	Ø36.5	Ø36.5
QHX-542	536	286	261	207.5	80	200	120.5	165.5	96.5	160	275	Ø36.5	Ø44.0
QHX-552	534	283	261	207.5	80	200	120.5	162.5	95	160	275	Ø44.0	Ø44.0
QHX-542H	536	286	261	207.5	80	200	120.5	165.5	96.5	160	275	Ø36.5	Ø44.0
QHX-552H	534	283	261	207.5	80	200	120.5	162.5	95	160	275	Ø44.0	Ø44.0
QHX-543	536	286	261	207.5	80	200	120.5	165.5	96.5	160	275	Ø36.5	Ø44.0
QHX-553	533	283	261	207.5	80	200	120.5	162.5	93	159	275	Ø44.0	Ø44.0
QHX-543H	536	286	261	207.5	80	200	120.5	165.5	96.5	160	275	Ø36.5	Ø44.0
QHX-553H	533	283	261	207.5	80	200	120.5	162.5	93	159	275	Ø44.0	Ø44.0
QHX-545	593	325	250	216	80	295	158	167	96	152	362	Ø36.5	Ø44.0
QHX-555	594	323	263	217	80	296	157	166	96	160	355	Ø44.0	Ø44.0
QHX-653	524	333	250	216	80	295	158	175	82	147	363	Ø44.0	Ø65.5
QHX-655	590	333	250	216	80	295	158	175	89	159	363	Ø44.0	Ø65.5
QHX-662	555	288	261	206	80	200	118	170	96	177	274	Ø65.5	Ø65.5
QHX-663	555	288	261	206	80	200	118	170	96	177	274	Ø65.5	Ø65.5
QHX-665	610	333	250	216	80	295	158	175	98	168	360	Ø65.5	Ø65.5

Installation diagram



Warning: incorrect use



Precautions for safe operation

1. Safety warning!

① Running without cutting off the power will cause electric shock!

② Do not start the pump without connecting the ground wire and leakage protector!

③ Electrician operation should be carried out by professional personnel!

④ When operating the pump, please wear protective equipment to prevent serious injury caused by chemical solution!

⑤ Operations related to toxic liquids may cause poisoning!

⑥ Use the pump in strict accordance with the instructions and scope of use!

⑦ During operation, the surface temperature of motor and pump is very high, do not touch directly!

⑧ It is forbidden to transform the pump without permission, otherwise serious accidents will be caused. If the pump is modified without permission or in accordance with the operating instructions, the company will not bear any loss caused by the user!

⑨ There is a strong magnet in the magnetic drive pump. Its strong magnetic field will cause obvious damage to the person wearing the electronic device (i.e. electronic pacemaker, etc.)!

2. Important note!

① No idling of the pump. The idling of the pump can make the parts inside the pump heat up by friction, which will damage the pump. Pump operation with suction valve fully closed is also considered as idling.

② In the process of operation, when dangerous signals and abnormal conditions are found, the operation shall be terminated immediately, and it shall be started after the exception is eliminated.

③ The operation and use of the pump must be carried out by qualified operators.

④ The pump is only allowed to be used under the specified voltage, otherwise the pump will be damaged or fire will be caused.

⑤ The use place of the pump shall be equipped with protective measures to prevent liquid splashing or leakage.

⑥ Operations related to toxic liquids may cause poisoning, so it is necessary to ensure adequate ventilation at the operation site.

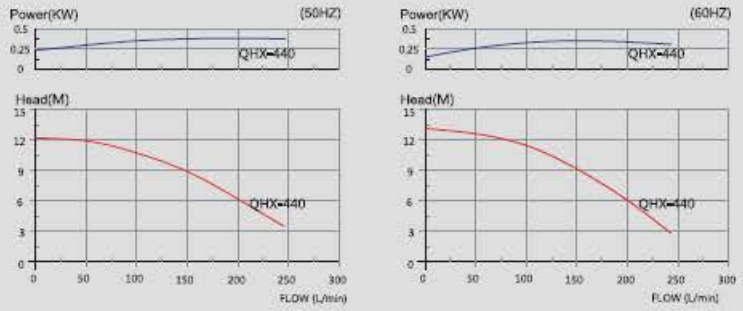
⑦ Do not scrape, damage, squeeze or stretch the cable with force. The use of damaged cables is likely to cause fire or electric shock.

⑧ The covered pump is easy to cause fire or mechanical failure due to internal heat accumulation during operation.

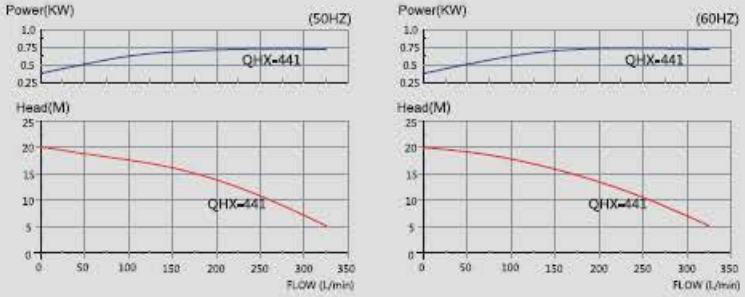
⑨ When a pump is under maintenance, pay attention to avoid other operators turning on the power supply switch due to mistakes. It is better to place a warning sign beside the power supply switch to inform that the pump is under maintenance.

10. The liquid from the pump may be highly toxic and harmful chemicals, which must be drained to a special container for storage

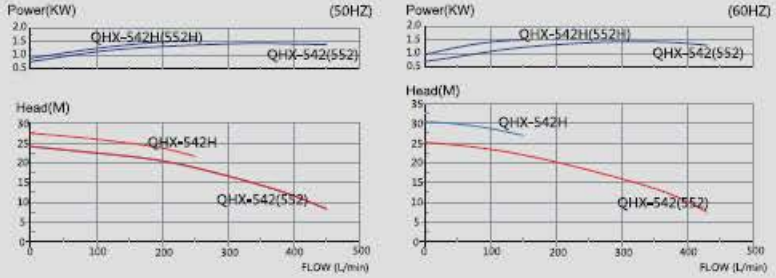
QHX-440 Performance curve



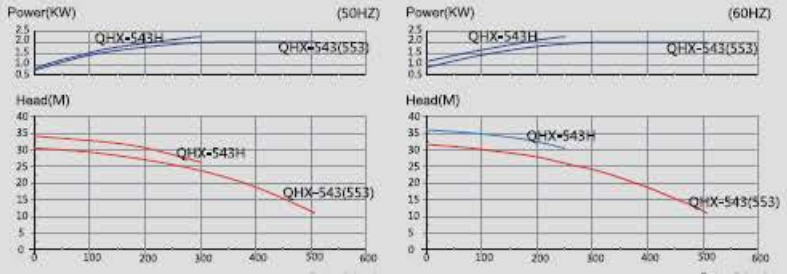
QHX-441 Performance curve



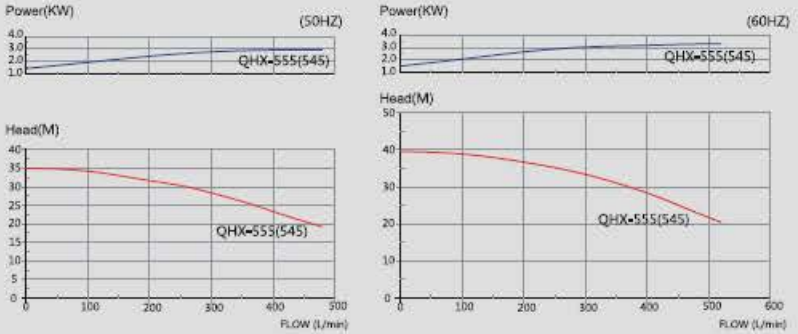
QHX-542H(552H) Performance curve



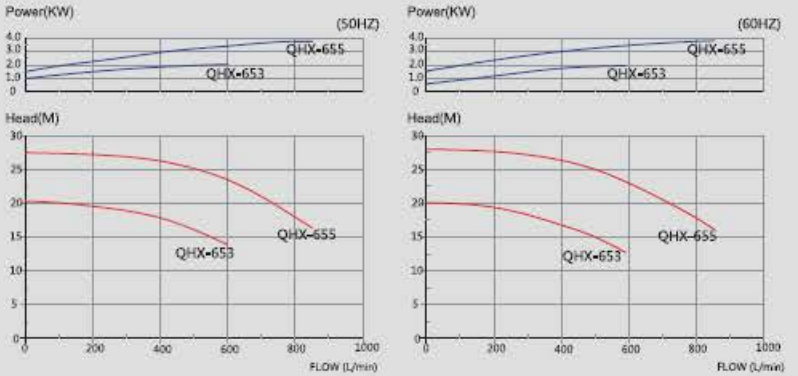
QHX-543H(553H) Performance curve



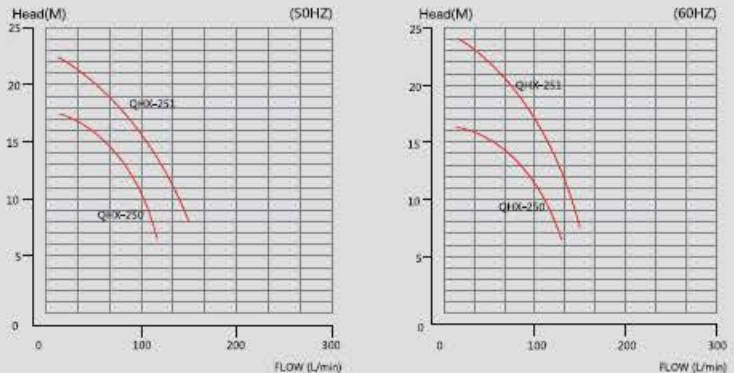
QHX-555(545) Performance curve



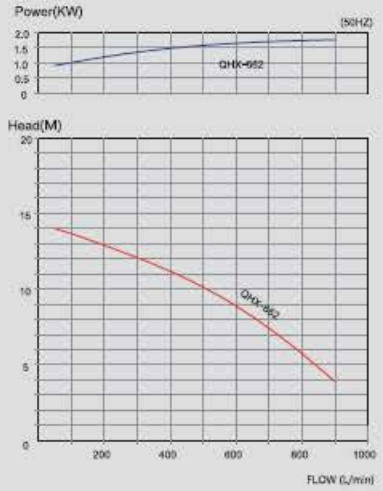
QHX-655/653 Performance curve

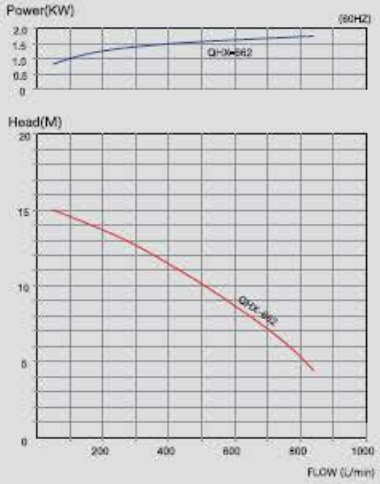


QHX-250/251 Performance curve

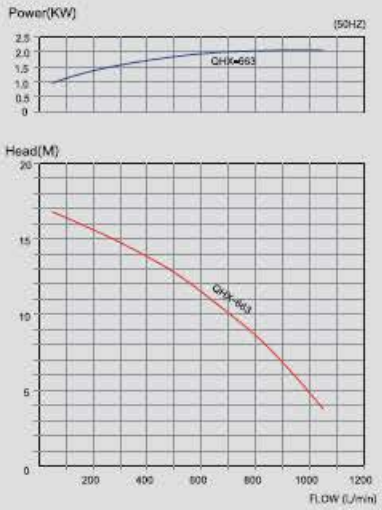


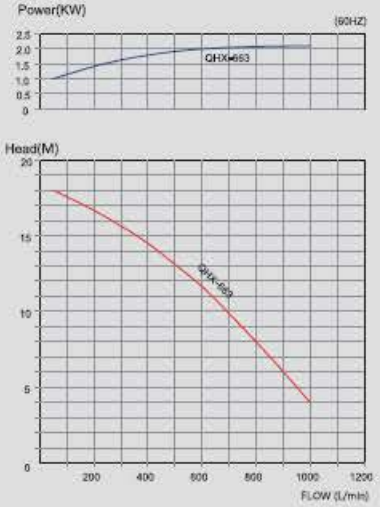
QHX-662 Performance curve



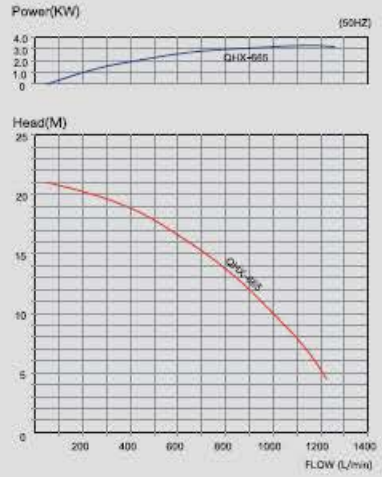


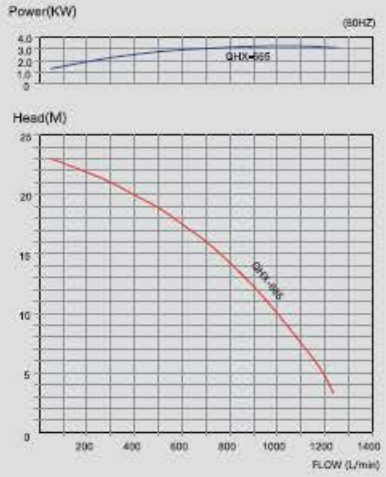
QHX-663Performance curve

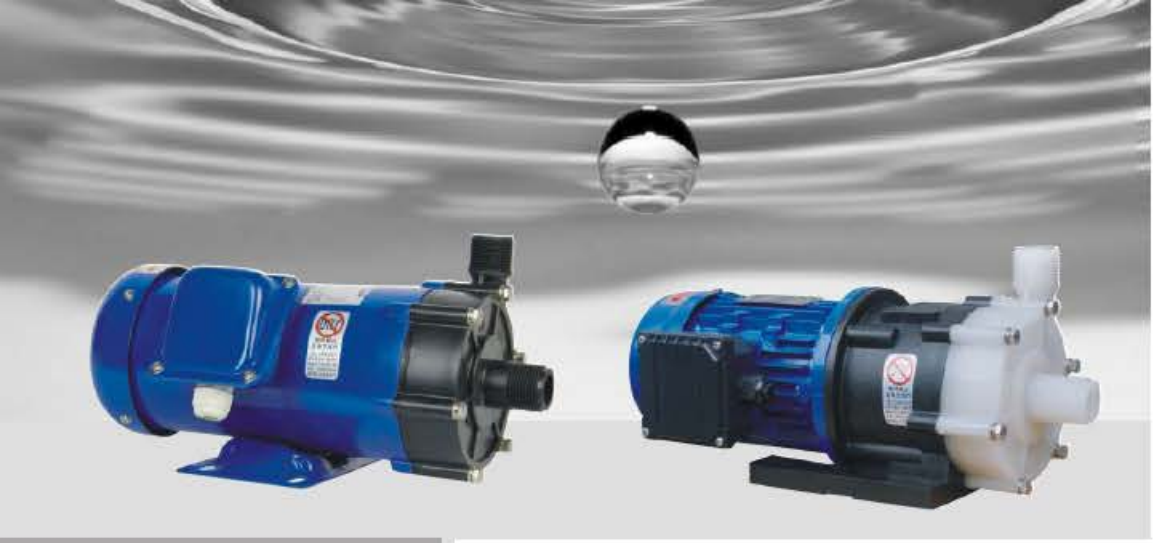




QHX-665Performance curve







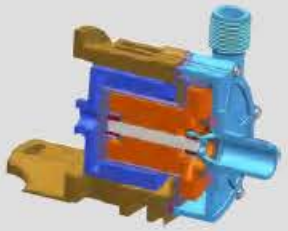
Magnetic pump
【MD series】

Product characteristic

1. Magnetic drive, adopts the non-shaft-seal design, complete leakage proof;
2. Equipped with anti-idling device;
3. It is suitable for the circulation transportation of various chemical solution;
4. The applicable temperature shall be determined according to different chemical properties: GFRPP - below 80 ℃, CFRPP - below 80 ℃, PVDF - below 100 ℃, CFRETFE - below 150 ℃.

Product superiority

1. A variety of connection modes of front cover inlet and outlet are available;
2. Special sealing O-ring brings excellent sealing effect;
3. Impeller deflection is lower than 0.2mm;
4. Passive magnets and plastic shells are injection molded at one time to ensure that there is no penetration forever.
5. The shaft core is made of 99% alumina and SSIC material;
6. The connection between the motor and the pump head is a plastic injection molding integrated structure, which can prevent the corrosion of the connection caused by the leakage of acid and alkali gas and liquid;
7. The surface of drive magnet adopts resin paint baking, with better corrosion resistance. After dynamic balance test, the vibration of drive magnet is lower than 2.0mm/s;
8. The motor adopts international brand, with stable performance and ultra-quiet operation.



Decomposition diagram of integrated machine

① Front cover
② Seal O-ring of front and rear cover
③ Impeller assembly
④ Rear cover
⑤ Rear cover back plate
⑥ Drive magnet
⑦ Motor

Decomposition diagram of split machine

① Front cover
② Seal O-ring of front and rear cover
③ Impeller assembly
④ Rear cover
⑤ Connecting bracket
⑥ Drive magnet
⑦ Motor

Model description

MD- F-25-8-S-A-V-5-V38
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

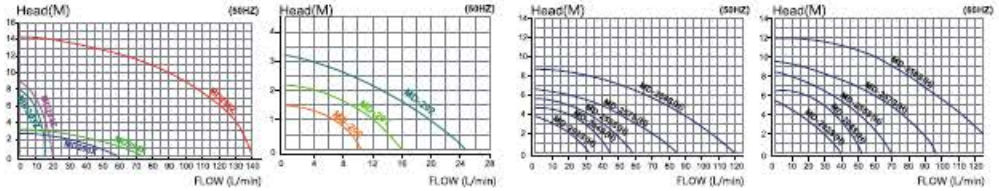
① Model No.: MD
② Pump material: F-GFRPP C-CFRPP P-PVDF E-CFRETFE
③ Inlet and outlet diameter: 20-3/4" 25-1"
④ Horsepower: 0-6W; 1-10W; 2-20W; 3-45W; 4-65W; 5-90W; 7-180W;8-260W
⑤ Connection: S- screw; H- hose
⑥ Pump shaft material: A- ceramic: S- SSIC
⑦ O-Ring: E-EPDM; V-VITON(FKM)
⑧ Frequency: 5-50HZ; 6-60HZ
⑨ Voltage: V11-10/110V; V22-10/220V; V38-30/220V/380V;V41-30/280V/415V

Product specification

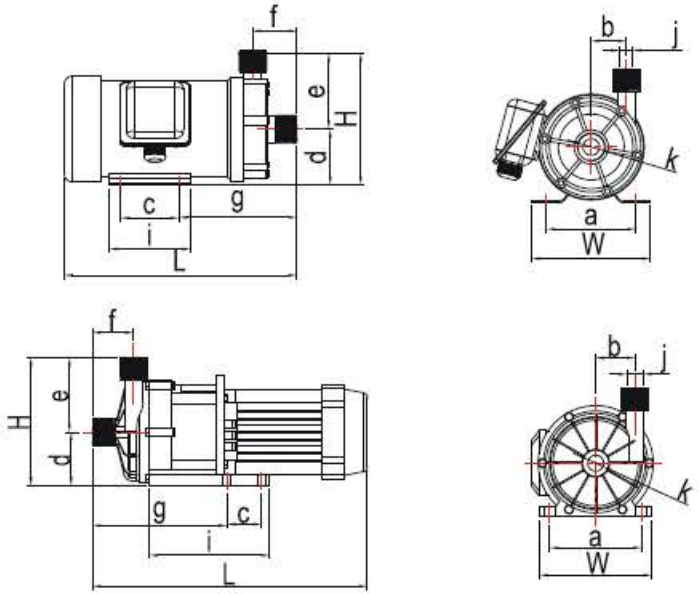
Model	Hose		Screw		Max.Capacity (L/min)		Max.Head (m)		Specific gravity	Motor		Weight (kg)
	Inlet (mm)	Outlet (mm)	Inlet	Outlet	50HZ	60HZ	50HZ	60HZ		Power (W)	Voltage (V)	
MD-200	14	14	/	/	11	12	1.5	2.1	<1.1	6	220	0.87
MD-201	16	16	G¼	G¼	16	19	2.4	3.4	<1.1	10	220	1.53
MD-202	18	18	G¼	G¼	27	31	3.1	4.3	<1.1	20	220	2.1
MD-203	20	20	G¼	G¼	32	38	3.8	5.4	<1.1	45	220	3.4
MD-203Z	17	17	G¼	G¼	15	17	8	11	<1.1	45	220	3.4
MD-203X	26	26	G1	G1	62	72	2.9	4.1	<1.1	45	220	3.4
MD-204	20	20	G¼	G¼	45	52	4.6	6.5	<1.1	65	220	4.3
MD-204Z	20	20	G¼	G¼	22	27	10	13.5	<1.1	65	220	4.3
MD-204X	26	26	G1	G1	75	85	3.3	4.7	<1.1	65	220	4.3
MD-255	26	26	G1	G1	60	70	5.6	8.2	<1.2	90	220/380	5.6
MD-257	26	26	G1	G1	86	97	6.7	9.7	<1.3	180	220/380	5.5
MD-258	26	26	G1	G1	120	135	8.6	11.9	<1.3	260	220/380	6.8
MD-258Z	26	26	G1	G1	100	100	14.5	16	<1.3	260	220/380	6.8

Performance curve

MD203-MD258

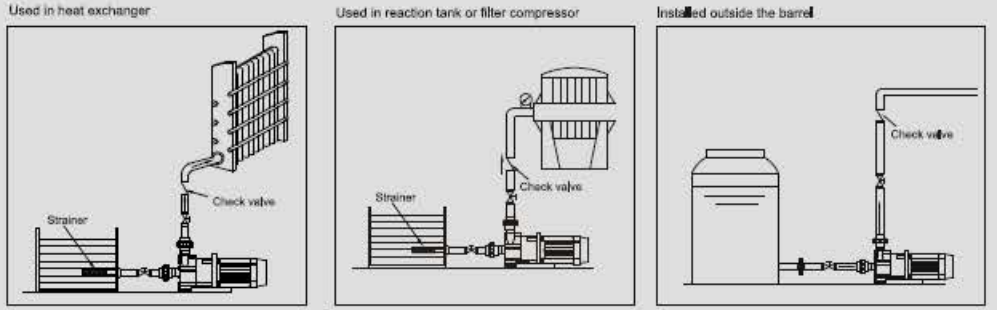


Size specification

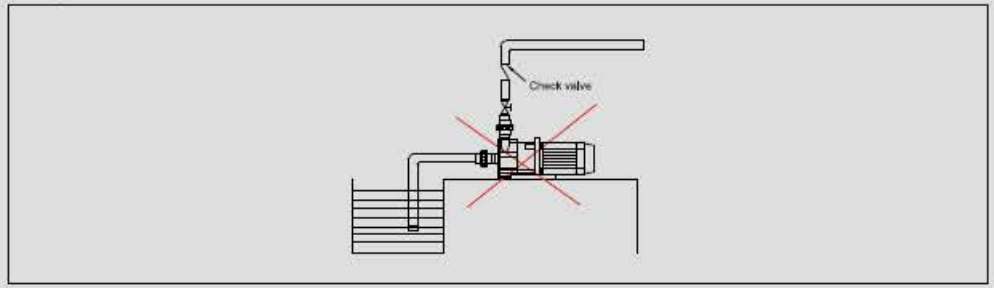


Model	L	H	W	a	b	c	d	e	f	i	g	j	K
MD-200	129	85	74	60	17	/	38.5	46.5	31	30	/	/	/
MD-201	197	99	87	68	23	46.5	45	54	38	68	97	/	/
MD-202	226.5	116.5	87	68	28.5	54	56	60.5	38	73	115	/	/
MD-203	266	129	122	100	31	40	60	69	46	64	162	Ø14.0	Ø15.5
MD-204	266	129	122	100	31	40	60	69	46	64	162	Ø14.0	Ø15.5
MD-255	276	154	142	110	43	70	64	90	51	97	138	Ø16	Ø20
MD-257	303	155	142	110	48	70	64	91	53.5	97	137	Ø16	Ø20
MD-258	338	173	155	110	50	70	77	96	61	97	157	Ø19.5	Ø21
MD-257(split machine)	333	156	136	105	43	40	66	90	51	148	200.5	Ø16	Ø20
MD-258(split machine)	370	168	150	106	45	70	68.5	99.5	62.5	155	147.5	Ø19.5	Ø21

Installation diagram



Warning: incorrect use



Precautions for safe operation

1. Safety warning

① Running without cutting off the power will cause electric shock!

② Do not start the pump without connecting the ground wire and leakage protector!

③ Electrician operation should be carried out by professional personnel!

④ When operating the pump, please wear protective equipment to prevent serious injury caused by chemical solution!

⑤ Operations related to toxic liquids may cause poisoning!

⑥ Use the pump in strict accordance with the instructions and scope of use!

⑦ During operation, the surface temperature of motor and pump is very high, do not touch directly!

⑧ It is forbidden to transform the pump without permission, otherwise serious accidents will be caused. If the pump is modified without permission or in accordance with the operating instructions, the company will not bear any loss caused by the user!

⑨ There is a strong magnet in the magnetic drive pump. Its strong magnetic field will cause obvious damage to the person wearing the electronic device (i.e. electronic pacemaker, etc.)!

2. Important note!

① No idling of the pump. The idling of the pump can make the parts inside the pump heat up by friction, which will damage the pump. Pump operation with suction valve fully closed is also considered as idling.

② In the process of operation, when dangerous signals and abnormal conditions are found, the operation shall be terminated immediately, and it shall be started after the exception is eliminated.

③ The operation and use of the pump must be carried out by qualified operators.

④ The pump is only allowed to be used under the specified voltage, otherwise the pump will be damaged or fire will be caused.

⑤ The use place of the pump shall be equipped with protective measures to prevent liquid splashing or leakage.

⑥ Operations related to toxic liquids may cause poisoning, so it is necessary to ensure adequate ventilation at the operation site.

⑦ Do not scrape, damage, squeeze or stretch the cable with force. The use of damaged cables is likely to cause fire or electric shock.

⑧ The covered pump is easy to cause fire or mechanical failure due to internal heat accumulation during operation.

⑨ When a pump is under maintenance, pay attention to avoid other operators turning on the power supply switch due to mistakes. It is better to place a warning sign beside the power supply switch to inform that the pump is under maintenance.

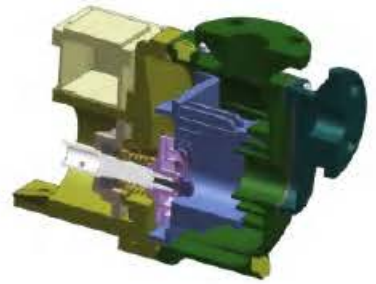
10. The liquid from the pump may be highly toxic and harmful chemicals, which must be drained to a special container for storage

Centrifugal pump series

MODEL : QHB / QHS / QHG

Self-priming centrifugal pump

【QHB series】



① Self-priming cylinder
② Self-priming cylinder gasket
③ Drain screw
④ Front cover
⑤ Water injection screw
⑥ Check valve
⑦ Medium closure
⑧ Impeller screw
⑨ Impeller
⑩ O-Ring
⑪ Rear cover
⑫ Front shaft seal
⑬ Rear shaft seal
⑭ Shaft sleeve
⑮ Shaft
⑯ Frame
⑰ Motor

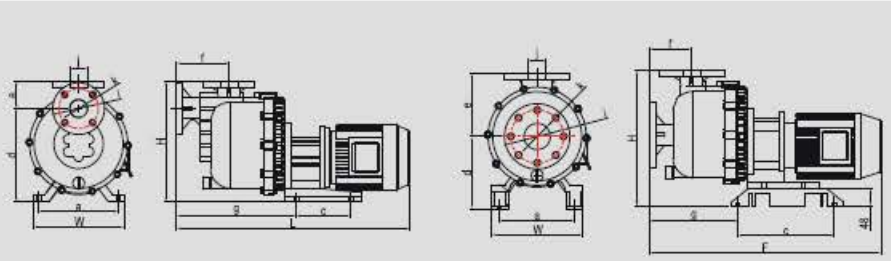
Model description

QHB-40-02-2-E-B-L-SSH-5

① ② ③ ④⑤⑥⑦ ⑧ ⑨

① Model No.: QHB
② Outlet and inlet diameter: 40-40mm 50-50mm 75-75mm
③ Horsepower: 00-1/2HP 01-1 HP 02-2HP 03-3HP 05-5HP
④ Number of poles: 2:2P 4:4P
⑤ Rubber material: E-EPDM V-VITON(FKM)
⑥ A- with tongue B- without tongue
⑦ L- low head; H- high head
⑧ Shaft seal specification: SSH front and rear shaft seal SSIC
⑨ Frequency: 5-50H 6-60HZ

Size specification



Model	L	H	W	a	c	d	e	f	g	I	j	k
QHB-40002L	627	332	250	203	140	252	80	148	330	⌀105	⌀48.6	⌀51.5
QHB-40012H	627	332	250	203	140	252	80	148	330	⌀105	⌀48.6	⌀51.5
QHB-40022L	667	332	250	203	140	252	80	148	330	⌀105	⌀48.6	⌀51.5
QHB-40022H	667	332	250	203	140	252	80	148	330	⌀105	⌀48.6	⌀51.5
QHB-50032L	683	332	250	203	140	252	80	150	324	⌀115	⌀53	⌀51.5
QHB-50032H	683	332	250	203	140	252	80	150	324	⌀115	⌀53	⌀51.5
QHB-50052H	738	377	256	213	282	299	78	150	266	⌀115	⌀53	⌀51.5
QHB-75052H	762	390	258	215	282	206	184	110	296	⌀150	⌀74.5	⌀74.5

Product characteristics

1. Corrosion resistance: GFRPP and PVDF special materials are used, which can withstand most acid and alkali solutions.
2. It has strong self-priming force and equipped with anti-idling device.
3. Applicable temperature: GFRPP - below 80 ℃, PVDF - below 100 ℃. The applicable temperature shall be determined according to different chemical properties.

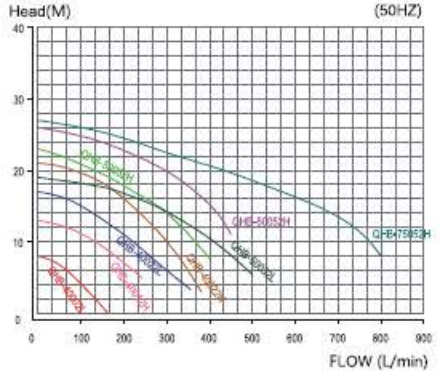
Product superiority

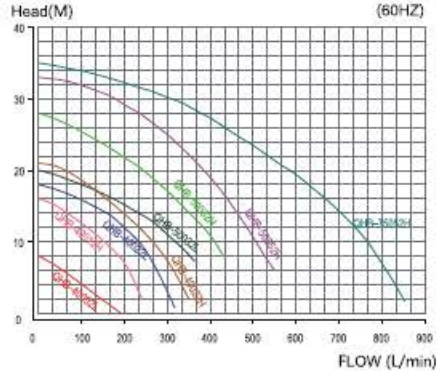
1. The pump head is made of GFRPP and PVDF materials. The inlet flange and the self-priming cylinder are injection molded as an integration, without any welding points and leakage;
2. The outlet flange and the front cover are injection molded as an integration without any welding points, which strengthens the durability of the product and prevents leakage
3. It can be used in the liquid environment with particles;
4. The motor is equipped with anti-idling device, which can prevent the pump head from being damaged due to pump idling in case of lack of liquid;
5. The motor adopts Toshiba motor of international brand, with stable performance and ultra-quiet operation.

Product specification

Model	Inlet and outlet diameter (mm)	Max.Head (m)		Max.Capacity (L/min)		Phase	Power Pole	Horsepower	Weight (kg)
		50HZ	60HZ	50HZ	60HZ	⌀	p	HP	
QHB-40002L	40/40	7	7.5	185	200	3	2	1/2	19.8
QHB-40012H	40/40	13	16	240	240	3	2	1	20
QHB-40022L	40/40	17	18	360	320	3	2	2	27.5
QHB-40022H	40/40	21	21	380	350	3	2	2	25
QHB-50032L	50/50	19	20	500	360	3	2	3	30
QHB-50032H	50/50	23	28	400	430	3	2	3	27.4
QHB-50052H	50/50	26	33	450	550	3	2	5	40
QHB-75052H	75/75	27	35	800	860	3	2	5	48

Performance curve





Vertical pump series

Model :

Outside tank—QHD

Inside tank—QHT / QP / QHA
QHV / QHH / QHP

Outside-tank vertical pump

【QHD series】

Product specification

QHD series							
Model	Inlet and outlet diameter (mm) Inlet / outlet	Horse power	Max.Head (M)		Max.Capacity (L/min)		Weight
			50HZ	60HZ	50HZ	60HZ	(kg)
QHD-40SK-15	50/40	1	14	13	280	250	23.1
QHD-40SK-25	50/40	2	18	22	400	320	30
QHD-40SK-35	50/40	3	20	26	420	420	32
QHD-50SK-35	65/50	3	21	23	530	520	32.5
QHD-50SK-55	65/50	5	31	36	580	560	43.9
QHD-65SK-55	80/65	5	29	29	550	700	44.6
QHD-65SK-7.55	80/65	7.5	34	37	730	960	58.6
QHD-65SK-105	80/65	10	31	39.5	970	1100	65.4
QHD-100SK-155	100/100	15	35	35	1710	1800	85.6

Model description

QHD--65--SK--7.5--5--V--F
① ② ③ ④ ⑤ ⑥ ⑦

① Model No.: QHD
② Outlet diameter: 40-1.5"; 50-2" ; 65-2.5"; 100-4"
③ S.G: SK-1.1 ; SP-1.4
④ Horsepower: 1-1 HP;2-2HP;3-3HP;5-5HP;7.5-7.5HP;10-10HP
15-15HP; 20-20HP
⑤ Frequency: 5:50HZ ;
⑥ O-Ring: E-EPDM ;V-VITON(FKM)
⑦ Pump material: F-GFRPP; C-CFRPP; P-PVDF

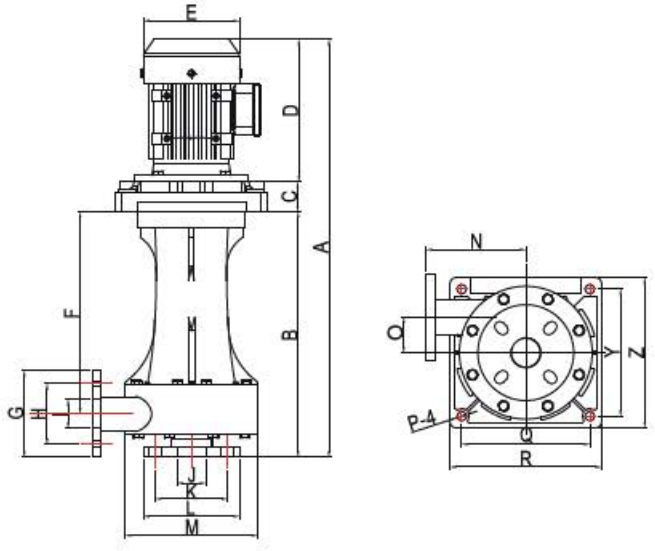
Product characteristics:

1. GFRPP、CFRPP、PVDF plastic steel are used for injection molding, with strong acid and alkali resistance;
2. It can be used idling and in combination with the filter connection;
3. It is suitable for various acid-alkali liquid circulation, spray washing equipment, exhaust gas tower, etching machine, waste water treatment and various special electroplating liquid circulation transportation.

Product superiority

1. The inlet and outlet flange and the front cover are injection molded, which can reduce the probability of leakage;
2. The convex point structure and flat gasket seal ring are used at the impeller nut and impeller seal, which can ensure the excellent effect of sealing;
3. The vibration of impeller is less than 2.0MM/S, and the mould is employed for integral injection molding, with long service life;
4. The distance between impeller and front cover and back cover is precise to improve efficiency and reduce noise;
5. High precision and high anticorrosion dry shaft seal is adopted to prevent leakage of liquid and acid alkali gas;
6. Unlimited idling in case of liquid shortage

Size specification



Model	A	B	C	D	E	F	G	H	I	J
QHD-40SK-1	714	423	53	238	Ø158	356	Ø151	Ø104	Ø36	Ø50
QHD-40SK-2	756	423	53	280	Ø175	356	Ø151	Ø104	Ø36	Ø50
QHD-40SK-3	756	423	53	280	Ø175	356	Ø151	Ø104	Ø36	Ø50
QHD-50SK-3	756	423	53	280	Ø175	356	Ø153	Ø117	Ø50	Ø67
QHD-50SK-5	803	426	53	324	Ø218	353	Ø153	Ø117	Ø50	Ø67
QHD-65SK-5	803	426	53	324	Ø218	353	Ø175	Ø130	Ø65	Ø75
QHD-65SK-7.5	835	426	53	356	Ø234	352.5	Ø175	Ø130	Ø65	Ø75
QHD-65SK-10	875	426	53	396	Ø230	352.5	Ø175	Ø130	Ø65	Ø75
QHD-100SK-15	809	436	53	420	Ø268	360	Ø208	Ø174	Ø97	Ø101
QHD-100SK-20	809	436	53	420	Ø268	360	Ø208	Ø174	Ø97	Ø101

Model	K	L	M	N	O	P	Q	R	Y	Z
QHD-40SK-1	Ø122	Ø155	Ø230	170	65	Ø15	220	264	220	264
QHD-40SK-2	Ø122	Ø155	Ø230	170	65	Ø15	220	264	220	264
QHD-40SK-3	Ø122	Ø155	Ø230	170	65	Ø15	220	264	220	264
QHD-50SK3	Ø135	Ø175	Ø230	170	65	Ø15	220	264	220	264
QHD-50SK-5	Ø135	Ø175	Ø260	200	69	Ø15	220	264	220	264
QHD-65SK-5	Ø145	Ø188	Ø260	200	69	Ø15	220	264	220	264
QHD-65SK-7.5	Ø145	Ø188	Ø260	200	67	Ø18	300	350	300	350
QHD-65SK-10	Ø145	Ø188	Ø260	200	67	Ø18	300	350	300	350
QHD-100SK-15	Ø174	Ø208	Ø288	220	68	Ø18	300	350	300	350
QHD-100SK-20	Ø174	Ø208	Ø288	220	68	Ø18	300	350	300	350

Inside vertical pump

【QHV series】

Product specification

Model	Horsepower HP	Inlet and outlet diameter (mm)	Max.Head (m)	Max.Capacity (L/min)
QHV-25SK-1/2	0.5	25*25	13	80
QHV-25SK-1	1	25*25	15	100
QHV-40SK-1	1	40*40	15	120
QHV-40SK-2	2	40*40	20	230
QHV-50SK-2	2	50*50	20	280
QHV-50SK-3	3	50*50	20	350
QHV-65SK-3	3	65*65	20	450
QHV-65SK-5	5	65*65	20	620
QHV-80SK-5	5	80*80	20	760
QHV-80SK-7.5	7.5	80*80	20	900
QHV-80SK-10	10	80*80	20	1000
QHV-100SK-7.5	7.5	100*100	20	860
QHV-100SK-10	10	100*100	20	1450
QHV-100SK-15	15	100*100	20	1600
QHV-100SK-20	20	100*100	25	2030
QHV-100SK-25	25	100*100	25	2650
QHV-125SK-25	25	125*125	25	3150
QHV-150SK-30	30	150*150	25	5210

Model description

QHV -- 40 -- SK--1-- 5-- P-- S4
① ② ③ ④ ⑤ ⑥ ⑦

① Model No.: QHV
② Outlet and inlet diameter - female type: 25-1" ;40-1.5" ;50-2" ;65-2.5" ;80-3"
③ S.G: SK-1.1 ;SP-1.4
④ Horsepower: 1/2HP ;1HP ;2HP ;3HP ;5HP ;7.5HP ;10HP
⑤ Frequency: 5:50HZ ;6:60HZ
⑥ O-Ring: E-EPDM ;V-VITON ; P-PTFE
⑦ Pump body: S4-SUS304 ; S6-SUS316

① Inlet flange
② Inlet gasket
③ Outlet flange
④ Outlet gasket
⑤ Front cover
⑥ Cover O-ring
⑦ Impeller nut
⑧ Impeller
⑨ Pump body
⑩ Motor base
⑪ Motor

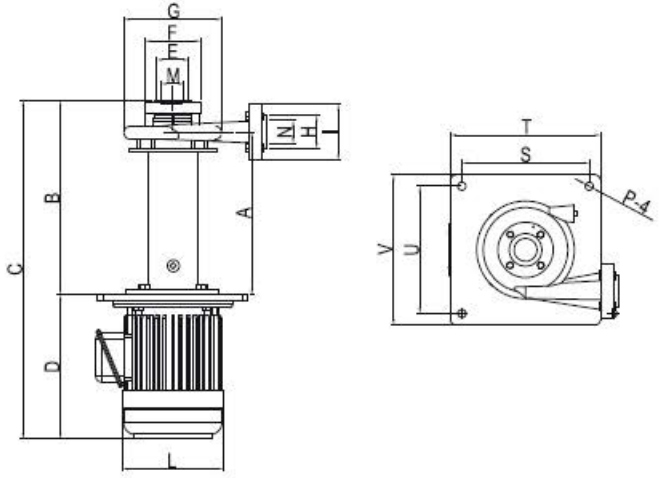
Product characteristics

1. It is made of 304 or 316 stainless steel by virtue of casting molding, with compact and firm structure.
2. The design of non-shaft seal, and it will not burn out because of idling.
3. It is suitable for all kinds of acid alkali solution and micro acid solution. It can be recycled and resistant to high temperature.
4. The pump has low noise and slight vibration.
5. The volume of the pump is small, which is suitable for the usage of the inside and outside design of tank.

Product superiority

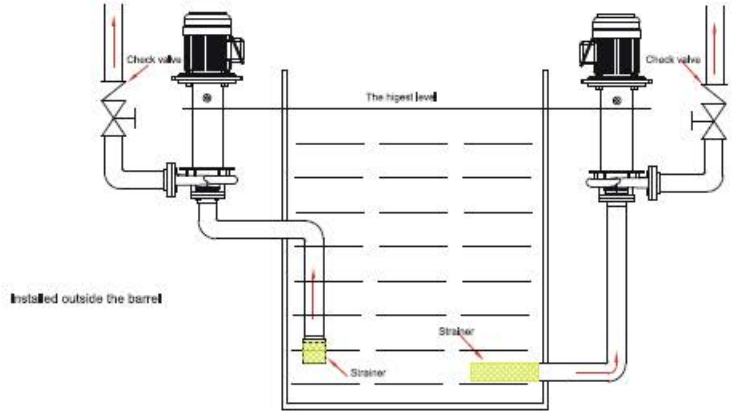
1. It is made of 304 or 316 stainless steel, with compact and firm structure. The interior and exterior appearance of the body is balanced and smooth.
2. The impeller has been corrected for dynamic balance, with low noise and low vibration rate;
3. The use of dry liquid seal can ensure that the motor and bearing are not corroded by chemical gas, so as to prolong the service life of the motor and pump;
4. It is equipped with high-end foreign brand motors, with high efficiency and low noise;
5. The pump shaft is integrated with motor and rotor to ensure the accuracy and stability of operation.

Size specification



Model	Horse power HP	A	B	C	D	M	E	F	G	N	H	I	L	P	S	T	U	V
QHV-25SK-1/2	0.5	260	300	550	250	Ø25	Ø78	Ø93	150	Ø25	Ø78	Ø93	Ø162	15	148	210	180	230
QHV-25SK-1	1	260	300	665	265	Ø25	Ø78	Ø93	150	Ø25	Ø78	Ø93	Ø177	15	148	210	180	230
QHV-40SK-1	1	260	300	665	265	Ø40	Ø78	Ø93	150	Ø40	Ø78	Ø93	Ø177	15	148	210	180	230
QHV-40SK-2	2	335	390	725	335	Ø40	Ø97	Ø118	180	Ø40	Ø97	Ø118	Ø200	15	222	260	222	260
QHV-50SK-2	2	335	390	725	335	Ø50	Ø97	Ø118	180	Ø50	Ø97	Ø118	Ø200	15	222	260	222	260
QHV-50SK-3	3	335	390	725	335	Ø50	Ø97	Ø118	180	Ø50	Ø97	Ø118	Ø200	15	222	260	222	260
QHV-65SK-3	3	340	410	745	335	Ø65	Ø97	Ø150	200	Ø65	Ø97	Ø150	Ø200	15	222	260	222	260
QHV-65SK-5	5	340	410	795	385	Ø65	Ø122	Ø150	230	Ø65	Ø122	Ø150	Ø235	15	222	260	222	260
QHV-80SK-5	5	340	410	795	385	Ø80	Ø122	Ø150	230	Ø80	Ø122	Ø150	Ø235	15	222	260	222	260
QHV-80SK-7.5	7.5	360	440	735	395	Ø80	Ø122	Ø150	230	Ø80	Ø122	Ø150	Ø273	18	300	350	300	350
QHV-80SK-10	10	360	440	873	433	Ø80	Ø122	Ø150	230	Ø80	Ø122	Ø150	Ø273	18	300	350	300	350
QHV-100SK-7.5	7.5	400	500	895	395	Ø100	Ø180	Ø210	260	Ø100	Ø180	Ø210	Ø273	18	300	350	300	350
QHV-100SK-10	10	400	500	933	433	Ø100	Ø180	Ø210	260	Ø100	Ø180	Ø210	Ø273	18	300	350	300	350
QHV-100SK-15	15	400	500	1020	520	Ø100	Ø180	Ø210	260	Ø100	Ø180	Ø210	Ø334	18	300	350	300	350
QHV-100SK-20	20	400	500	1020	520	Ø100	Ø180	Ø210	260	Ø100	Ø180	Ø210	Ø334	18	300	350	300	350
QHV-100SK-25	25	450	550	1110	560	Ø100	Ø180	Ø210	260	Ø100	Ø180	Ø210	Ø382	20	350	400	350	400
QHV-125SK-25	25	450	550	1130	580	Ø125	Ø210	Ø255	280	Ø125	Ø210	Ø255	Ø382	20	350	400	350	400
QHV-150SK-30	30	450	550	1170	620	Ø150	Ø210	Ø285	320	Ø150	Ø240	Ø285	Ø382	20	350	400	350	400

Installation diagram



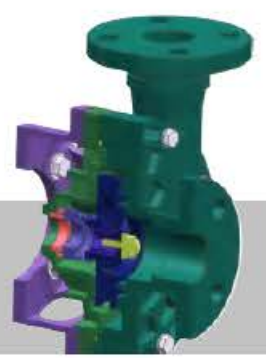
Attentions

1. If it is used in chemical plant or environment with volatile gas, it is necessary to select the safe and explosion-proof Eg3 or D2g4 motor;
2. Filter screen shall be installed at the inlet pipe to prevent foreign matters from being inhaled, which may cause damage to the pump;
3. If the outlet pipe is higher than the motor, a check valve shall be installed at the highest point of the liquid level to prevent the motor from being damaged;
4. The mixing of different types of chemical solution may cause chemical reaction, even high heat, which may damage the pump. Therefore, do not use the same pump to transport different chemical solutions.

Plastic centrifugal pump

【QHG series】

① Front cover
② O-ring
③ Impeller nut
④ Impeller
⑤ Front shaft seal
⑥ Rear cover
⑦ Rear shaft seal
⑧ Connecting base
⑨ Frame
⑩ Motor



Product characteristics

1. Resistant to strong acid, strong alkali and fluorinated substances.
2. Reinforced rear cover, with significantly enhanced temperature and pressure resistance.
3. Applicable temperature: GFRPP - below 80 ℃, PVDF - below 100 ℃. The applicable temperature shall be determined according to different chemical properties.
4. Equipped with anti-idling device
5. It has no self-priming capacity and is suitable to be installed below the liquid level. If it is installed above the liquid level, a self-priming barrel must be installed to prevent the pump from being damaged due to idling operation.

Product superiority

1. It is applicable to the transportation and circulation of chemical solution with particles and impurities.
2. It is resistant to strong acid, alkali and corrosion. The materials include GFRPP、CFRPP and PVDF (Teflon).
3. Equipped with exhaust valve switch, the air in the pump and pipeline can be discharged smoothly during operation, so as to prevent the damage of shaft seal caused by air accumulation.

Model description

QHG－50－05－2－V－H－S－S－H－5

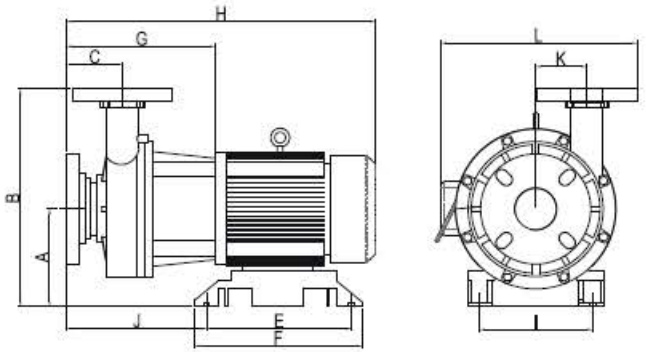
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

① Model No.: QHG
② Outlet diameter: 40-1-½"; 50-2"; 65-2.5"; 80-3"; 100-4"
③ Horsepower: 00-3Ø/ ½HP; 01-3Ø/1HP; 02-3Ø/2HP; 03-3Ø/3HP; 05-3Ø/5HP; 07-3Ø/7.5HP; 10-3Ø/10HP; 15-3Ø/15HP
④ Number of poles: 2:2P ; 4:4P
⑤ O-Ring: E-EPDM; V-VITON(FKM)
⑥ Head: L- low lift; H- high lift
⑦ Rotating ring: S-SSIC
⑧ Fixed ring: S-SSIC
⑨ Spring type: H-HC; S-SUS316
⑩ Frequency: 50-50HZ; 60-60HZ

Product specification

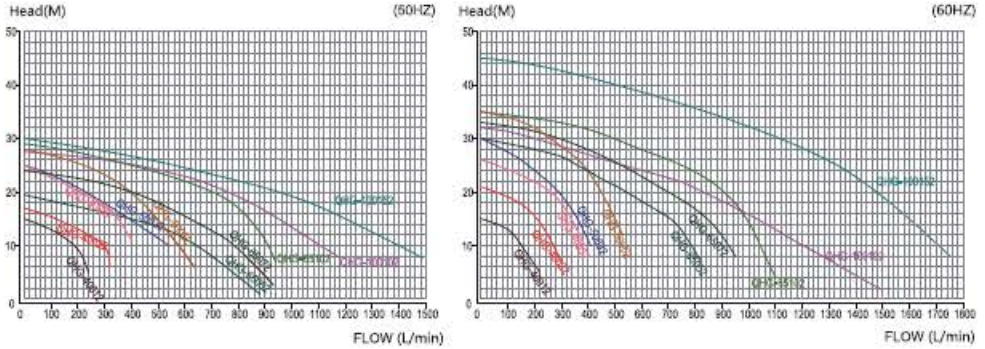
Model	Inlet and outlet diameter (mm)		Power		50HZ		60HZ		Weight (Kg)
	Inlet	Outlet	Phase	HP	Max.Head (M)	Max.Capacity (L/min)	Max.Head (M)	Max.Capacity (L/min)	
QHG-40012	50	40	3Ø	1	15	250	15	240	21
QHG-40022	50	40	3Ø	2	17	320	21	330	30
QHG-40032	50	40	3Ø	3	25	400	26	430	33
QHG-50032	65	50	3Ø	3	25	530	30	460	34
QHG-50052	65	50	3Ø	5	28	635	35	560	47
QHG-65052	80	65	3Ø	5	19.5	880	30	850	49
QHG-65072	80	65	3Ø	7.5	24	930	33	980	73
QHG-65102	80	65	3Ø	10	29	950	35	1100	80
QHG-100102	100	100	3Ø	10	27.5	1180	32	1500	81
QHG-100152	100	100	3Ø	15	30	1490	45	1750	110

Size specification

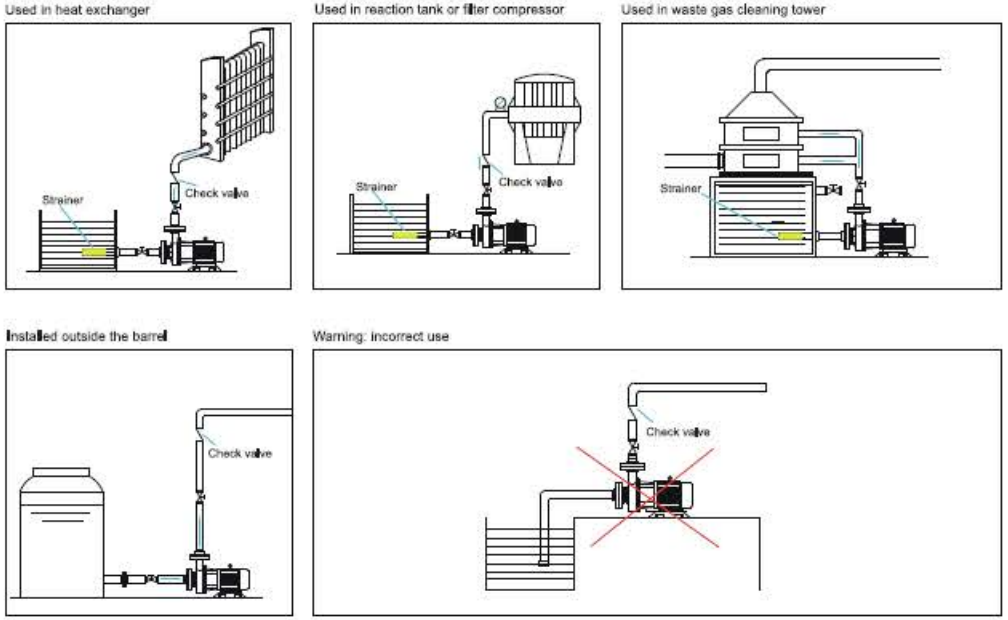


Model	A	B	C	D	E	F	G	H	I	J	K	L
QHG-40012	127	298	78	218	275	320	197	425	130	170	66	300
QHG-40022	140	307	78	240	275	320	197	472	140	170	66	315
QHG-40032	150	310	78	258	275	320	197	500	160	210	66	315
QHG-50032	147	344	80	260	275	320	207	502	160	200	66	325
QHG-50052	163	360	80	275	275	320	207	530	188	210	66	355
QHG-65052	163	362	75	275	275	320	195	520	188	200	66	370
QHG-65072	185	387	75	325	275	320	200	555	215	220	66	425
QHG-65102	185	387	75	325	275	320	208	570	220	228	66	450
QHG-100102	185	398	80	325	275	320	210	572	220	230	66	450
QHG-100152	185	398	80	325	330	375	210	572	220	203	66	450

Performance curve



Installation diagram



Attentions:

1. The pump shall be installed on a solid horizontal ground and kept stable. The pump inlet and outlet shall be equipped with valves for maintenance.
2. Try to avoid installing the machine in the outdoor area, Outdoor pump shall be covered with a protective cover. If the pump is equipped with an electronic controller, safeguard procedures shall be adopted.
3. The pump made of PVC material shall be protected from direct sunlight to prevent material embrittlement.
4. Before piping, different pipe fitting materials shall be selected according to the chemical liquid used, temperature conditions and delivery head to meet the actual requirements. For example, if the temperature is above 60 ° C, PP pipe fitting shall be selected for installation.
5. When piping, it shall be noted that there shall be no impurities or debris left in the pipe. If necessary, clean the pipe with clean water.
6. The flange joint shall be supplemented with gasket and locked to prevent air from being sucked into the pump.
7. If metal material is employed, shockproof joint shall be installed in the pipeline at the pump inlet and outlet to prevent the flange at the inlet and outlet from being broken.
8. When the pump conveying liquid exceeds a certain height, a check valve shall be installed at the outlet to prevent pump damage caused by back pressure.
9. The safety drain valve shall be installed between the pump outlet and the first on-off valve. It is better to install a pressure gauge to detect the pressure in the pipe.
10. Avoid suction of sundries and siphon effect, please add bottom valve (Ford valve).
11. Check valve shall be installed near the pump inlet and outlet as far as possible, and T-joint shall be employed when installing pressure gauge or safety
12. When piping, pay attention that the pipeline shall not be forcibly twisted. After installation, check whether the pump body is distorted due to excessive force or incorrect installation method.
13. After the machine is fixed, confirm whether it is firm, and rotate the motor fan to confirm whether the motor can rotate freely.
14. Before connecting the power cord, confirm whether the selected power supply matches the motor model, and connect the over-current protection switch.
15. If it is used for dangerous chemical liquid, the pump shall be covered with a protective cover.
16. Before starting the pump motor, fill it with liquid, check whether the inlet and outlet valves are open, and do not implement idling operation.
17. After installation, confirm whether the pipeline is firm again to avoid damage caused by vibration.
18. Before starting the power supply, check whether the inlet and outlet pipelines are correctly selected. For example: whether the inlet and outlet valves are opened, whether the pipeline flow path is correct, whether the liquid in the tank is normal and whether the pipeline is damaged, etc.
19. When operating liquid in dangerous environment, it is required to wear protective clothing, face shield and safety shoes and socks.
20. Check all kinds of protection switches. For example: whether the liquid switch, the liquid level controller in the tank and the power protection switch are in the normal operation position.
21. After starting the power supply, check whether the flow at the outlet is normal. If the flow is too small, stop the power supply immediately, and then check the inlet and outlet pipelines to address the problem.

Stainless steel centrifugal pump

[QHS series]

① Inlet flange
② Inlet gasket
③ Outlet flange
④ Outlet gasket
⑤ Front cover
⑥ O-Ring
⑦ Impeller nut
⑧ Impeller
⑨ Front shaft seal
⑩ Rear shaft seal
⑪ Connecting base
⑫ Frame
⑬ Motor

Product characteristics

1. The pump is applicable to general pure water industry, surface treatment, food industry and chemical industry.
2. The user can select SUS304 or SUS316 pump body material and shaft seal type according to chemical requirements.
3. The main body of the pump is made of high-quality materials by precision casting, with a firm and compact structure.

Product superiority

1. Unique technology, low noise, high efficiency, corrosion resistance, long service life;
2. Patented technology, CE, SGS quality certification of European Union, and government designated supplier;
3. High temperature resistance, suitable for many kinds of liquid, high cost performance;
4. 4-pole motor centrifugal pump to solve the problem of rapid temperature rise of liquid;
5. Equipped with anti-idling device, which can prevent the shaft seal from being damaged due to pump idling in case of lack of liquid;
6. Secondary energy efficiency, energy conservation and environmental protection (customized);
7. SUS304 or SUS316 material, with high temperature and corrosion resistance, etc.

Model description

QHS-50-3-S-6-V-5
① ② ③ ④ ⑤ ⑥ ⑦

① Model No. : QHS
② Diameter of - Screw type: 25-1" 40-1.5" 50-2" 65-2.5" 80-3" 100-4"
③ Horsepower: 1/2-1/2HP; 1-1 HP; 2-2HP; 3-3HP; 5-5HP;7.5-7.5HP; 10-10HP
④ Shaft seal material: S-SSIC
⑤ Pump material: 4-SUS304; 6-SUS316
⑥O-Ring material: E-EPDM; V-VITON(FKM); P-PTFE
⑦ Frequency: 5-50HZ; 6-60HZ

Product specification

Total head (H) = meter (M) water yield Q = liter / minute (L / MIN) or cubic meter / hour (M³/H)

Item	Model	Horse power HP	Inlet and outlet diameter	Pole P	10M		15M		20M		25M		30M		35M		40M	
					L/MIN	M³/H	L/MIN	M³/H	L/MIN	M³/H	L/MIN	M³/H	L/MIN	M³/H	L/MIN	M³/H	L/MIN	M³/H
01	QHS-25-1/2	0.5	25*25	2	115	6.9	80	4.8										
02	QHS-25-1	1	25*25	2	140	8.4	100	6										
03	QHS-40-1	1	40*40	2	190	11.4	120	7.2										
04	QHS-40-2	2	40*40	2	250	15	230	13.8	200	12	160	9.6						
05	QHS-50-2	2	50*50	2	340	20.4	300	18	260	15.6								
06	QHS-40-3	3	40*40	2	360	21.6	340	20.4	330	19.8	255	15.3	190	9.6				
07	QHS-50-3	3	50*50	2	420	25.2	390	23.4	350	21	270	16.2						
08	QHS-65-3	3	65*65	2	580	34.8	490	29.4	385	23.1								
09	QHS-50-5	5	50*50	2	550	33	500	30	460	27.6	425	25.5	390	23.4				
10	QHS-65-5	5	65*65	2	845	50.7	735	44.1	620	37.2	485	29.1						
11	QHS-80-5	5	80*80	2	890	53.4	810	48.6	760	45.6	650	39						
12	QHS-80-7.5	7.5	80*80	2	980	58.8	900	54	800	48	680	40.8	550	33				
13	QHS-100-7.5	7.5	100*100	2	1265	75.9	1133	68	1000	60								
14	QHS-80-10	10	80*80	2	1050	63	1000	60	880	52.8	760	45.6	670	40.2				
15	QHS-100-10	10	100*100	2	1450	87	1300	78	1090	65.4								
16	QHS-80-15	15	80*80	2	1180	70.8	1000	66	960	57.6	870	52.2	825	49.5	785	47.1		
17	QHS-100-15	15	100*100	2	2040	122.4	1820	109.2	1600	96	1410	84.6	1130	79.8	1220	73.2		
18	QHS-125-15	15	125*125	2	2460	147.6	2300	96	1870	112.2								
19	QHS-80-20	20	80*80	2	1605	96.3	1535	92.1	1470	88.2	1405	84.3	1330	79.8	1145	68.7	1050	63
20	QHS-100-20	20	100*100	2	2850	171	2530	151.8	2230	133.8	1950	111.7	1670	100.2	1430	85.8	1210	72.6
21	QHS-125-20	20	125*125	2	2710	162.6	2430	145.8	2230	133.8	1850	111						
22	QHS-150-20	20	150*150	2	2810	168.6	2560	153.6	2370	142.2	2050	123						
23	QHS-125-25	25	125*125	2	3150	189	2800	168	2420	145.2	1910	114.6	1450	87	1300	78	1150	69
24	QHS-150-25	25	150*150	2	3350	201	3000	180	2620	157.2	2110	126.6	1650	99				
25	QHS-125-30	30	125*125	2	5250	315	5000	300	4230	253.8	4000	240	3650	219	3350	201	3200	192
26	QHS-150-30	30	150*150	2	5980	358.8	5620	337.2	5210	312.6	4940	296.4	4340	260.4	3510	210.6		
27	QHS-125-40	40	125*125	2	5355	321.3	5015	300.9	4330	259.8	4100	246	3852	231.1	3410	204	3300	198
28	QHS-150-40	40	150*150	2	6210	372.6	6000	360	5825	349.5	5010	300.6	4475	268.5	3640	218.4	3450	207