



QB Series

Acid And Alkali Resistant Fluorine-Lined Magnetic Pump

Equipped with big-brand power frequency or permanent magnet motors, innovative pump head flow channel design

It is especially suitable for semiconductors, new energy and other harsh working conditions such as strong corrosion, high temperature, high pressure, etc., with higher safety, no demagnetization, corrosion resistance, zero leakage, low vibration and low noise.



With Innovative Pump Head Flow Channel Design;
Especially Suitable For Harsh Operating
Conditions Such As Strong Corrosion,
High Temperature, And High Pressure In Semiconductor,
New Energy, Etc.,



Series Model

50Hz 60Hz

Main Material	Model	Maximum Flow (L/min)									Maximum Head (m)					Reference S.G Range
		200	400	600	800	1000	1200	1400	1600	20	40	60	80	100		
PFA/F46	QB40-25-2	191 191									27 27					<1.2
	QB40-25-3	215 221									33 34					
	QB40-25-5	228 231									38 41					
	QB40-25-7.5	271 270									51 52					
	QB40-25-10	300 300									69 70					
	QB50-40-5	516 533									31 32					
	QB50-40-7.5	558 551									37 38					
	QB50-40-10	560 616									39 50					
	QB50-40-H-10	605 578									52 54					
	QB50-40-H-15	652 625									68 64					
	QB50-40-H-20	668 662									78 86					
	QB65-50-5	800 778									26 26					
	QB65-50-7.5	878 873									30 31					
	QB65-50-10	975 1006									36 39					
	QB80-65-10	1406 1416									31 31					
	QB80-65-15	1583 1573									38 39					

- Medium Temperature: -20°C to +150°C, Medium Specific Gravity: 1 - 2, Working Environment Temperature: -5°C to +50°C, Maximum Use Altitude: 2000M, Maximum Working Pressure: 7Bar.
- Test Basis: The above performance data corresponds to the transport of clean water at 25°C at normal speed. The performance error is ±5%. The performance of the pump varies with the specific gravity and temperature of the fluid medium being transported.
- Note: It is recommended that the actual operating conditions be within ±20% of the rated flow rate and rated head. If it exceeds ±20%, cavitation will easily occur and the pump will be easily damaged. The above-mentioned factory measured data are for reference only, as they are affected by the viscosity of the liquid and the actual use of the customer. The final performance parameters of the pump should be based on the actual measured data at the site where the equipment is used.

QB 2HP-15HP

Corrosion Resistant Fluorine-Lined Magnetic Pump

Product Features

The new generation of Qeehua fluorine-lined magnetic pump has greatly improved comprehensive performance; equipped with large brand power frequency or permanent magnet motors, with innovative pump head flow channel design; especially suitable for harsh operating conditions such as strong corrosion, high temperature, and high pressure in semiconductor, new energy, etc., this fluorine-lined magnetic pump has higher safety; no demagnetization, corrosion resistance, zero leakage, small vibration, and low noise.



Model Description

QB 40 - 25 - 2 - E - 5 - V38 - A - A - A - S
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪

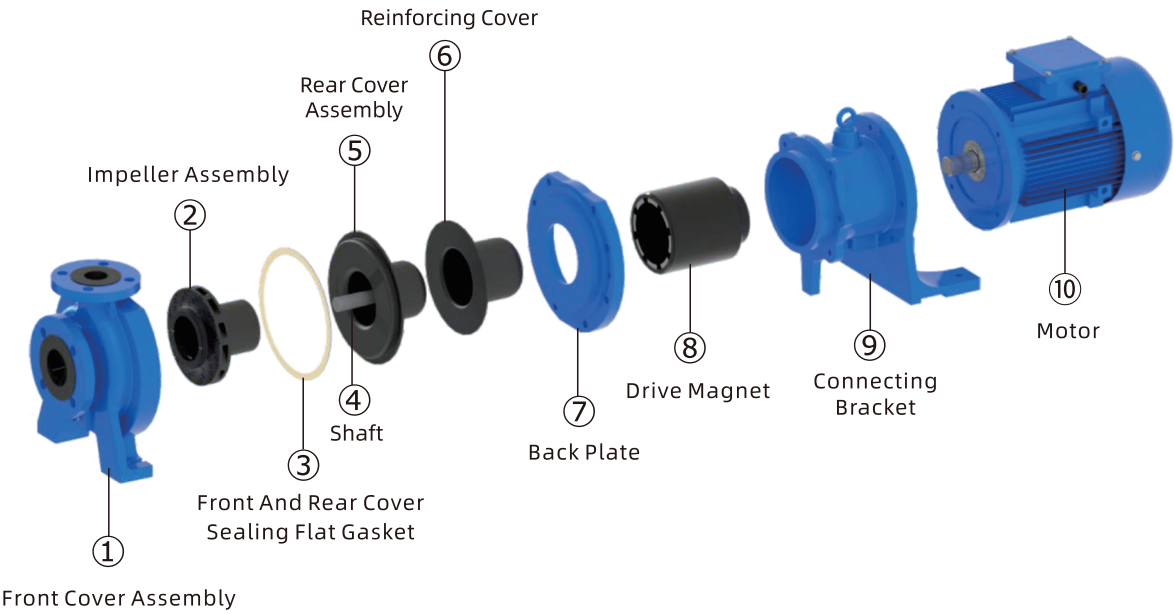
- ① Model No. : QB
- ② Inlet Diameter: 40mm; 50mm; 65mm; 80mm
- ③ Outlet Diameter: 25mm; 40mm; 50mm; 65mm
- ④ Power: 2HP; 3HP; 5HP; 7.5HP; 10HP; 15HP
- ⑤ Material Of Wet Parts: E - CFRETFE
- ⑥ Frequency: 5 - 50Hz; 6 - 60Hz
- ⑦ Voltage: V38 - 3 ϕ /380V; V41 - 3 ϕ /415V; V44 - 3 ϕ /440V; V48 - 3 ϕ /480V; V66 - 3 ϕ /660V; V32 - 3 ϕ /220V
- ⑧ Specific Gravity Of Liquid: A - 1.0 - 1.2; B - 1.3; C - 1.4; D - 1.5; E - 1.6; F - 1.7; G - 1.8; H - 1.9; I - 2.0
- ⑨ Motor Requirements: A-IE3 Normal Motor; B-IE4 Normal Motor; C-IE5 Normal Motor; D-Variable Frequency Motor; E-IE3, BT4 Ex-Proof Motor; F-IE4, BT4 Ex-Proof Motor; G-IE5, BT4 Ex-Proof Motor; H-IE3, CT4 Ex-Proof Motor; I-IE4, CT4 Ex-Proof Motor; J-IE5, CT4 Ex-Proof Motor; K-Permanent Magnet Variable Frequency Motor; L-BT4 Ex-Proof Variable Frequency Motor; M-CT4 Ex-Proof Variable Frequency Motor
- ⑩ Motor Protection Level: A - IP55; B - IP56; C - IP65
- ⑪ S-Standard; N- Nonstandard

Product Specifications

Model	Inlet & Outlet (mm)	Maximum Flow				Maximum Head (m)		Reference S.G Range	Power		Weight (Kg)
		50Hz		60Hz		50Hz	60Hz		HP	KW	
		(L/min)	(m³/h)	(L/min)	(m³/h)						
QB40-25-2	40/25	191	11.5	191	11.5	27	27	<1.2	2	1.5	53.2
QB40-25-3	40/25	215	12.9	221	13.3	33	34	<1.2	3	2.2	56.1
QB40-25-5	40/25	228	13.7	231	13.9	38	41	<1.2	5	4	98.8
QB40-25-7.5	40/25	271	16.3	270	16.2	51	52	<1.2	7.5	5.5	114
QB40-25-10	40/25	300	18	300	18	69	70	<1.2	10	7.5	119.8
QB50-40-5	50/40	516	31	533	32	31	32	<1.2	5	4	93.8
QB50-40-7.5	50/40	558	33.5	551	33.1	37	38	<1.2	7.5	5.5	111
QB50-40-10	50/40	560	33.6	616	37	39	50	<1.2	10	7.5	114.8
QB50-40-H-10	50/40	605	36.29	578	34.69	52	54	<1.2	10	7.5	128.3
QB50-40-H-15	50/40	652	39.10	625	37.47	68	64	<1.2	15	11	178.3
QB50-40-H-20	50/40	668	40.08	662	39.72	78	86	<1.2	20	15	198.5
QB65-50-5	65/50	800	48	778	46.7	26	26	<1.2	5	4	95.2
QB65-50-7.5	65/50	871	52.3	873	52.4	30	31	<1.2	7.5	5.5	113.5
QB65-50-10	65/50	975	58.5	1006	60.4	36	39	<1.2	10	7.5	116.2
QB80-65-10	80/65	1406	84.4	1416	85	31	31	<1.2	10	7.5	119.6
QB80-65-15	80/65	1583	95	1573	94.4	38	39	<1.2	15	11	140

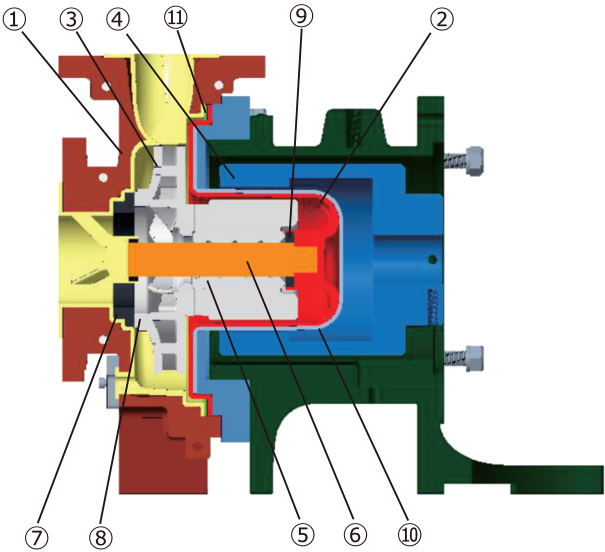
- Medium Temperature: -20°C to +150°C, Medium Specific Gravity: 1 - 2, Working Environment Temperature: -5°C to +50°C, Maximum Use Altitude: 2000M, Maximum Working Pressure: 7Bar.
- Test Basis: The above performance data corresponds to the transport of clean water at 25°C at normal speed. The performance error is $\pm 5\%$. The performance of the pump varies with the specific gravity and temperature of the fluid medium being transported.
- Note: It is recommended that the actual operating conditions be within $\pm 20\%$ of the rated flow rate and rated head. If it exceeds $\pm 20\%$, cavitation will easily occur and the pump will be easily damaged. The above-mentioned factory measured data are for reference only, as they are affected by the viscosity of the liquid and the actual use of the customer. The final performance parameters of the pump should be based on the actual measured data at the site where the equipment is used.

QB Series Exploded View



Material Description

	Name	Material
①	Front Cover Assembly	CFRETFE
②	Rear Cover	CFRETFE
③	Impeller	CFRETFE
④	Drive Magnet	CFRETFE
⑤	Bearing	SSIC
⑥	Shaft	SSIC
⑦	Front Thrust Ring	SSIC
⑧	Impeller Wear Ring	SSIC
⑨	Rear Thrust Ring	PTFE
⑩	Reinforcing Cover	PPS
⑪	Front And Rear Cover Sealing Flat Gasket	PTFE



QB40-25-2/QB40-25-3/QB40-25-5/QB40-25-7.5/QB40-25-10

QB50-40-5/QB50-40-7.5/QB50-40-10

QB65-50-5/QB65-50-7.5/QB65-50-10/QB80-65-10/QB80-65-15

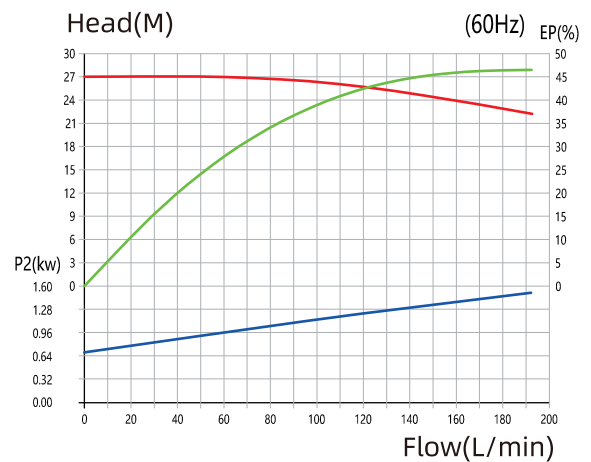
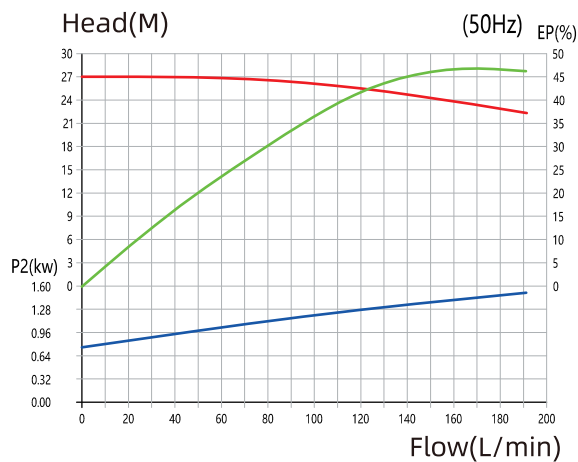
● Maximum Flow: 191-1583L/min

● Maximum Head: 26-70m

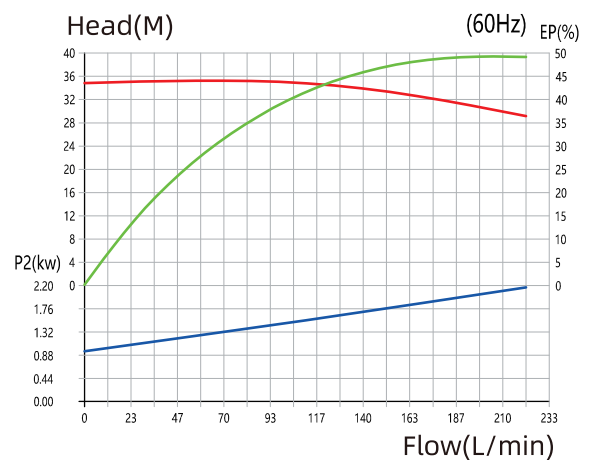
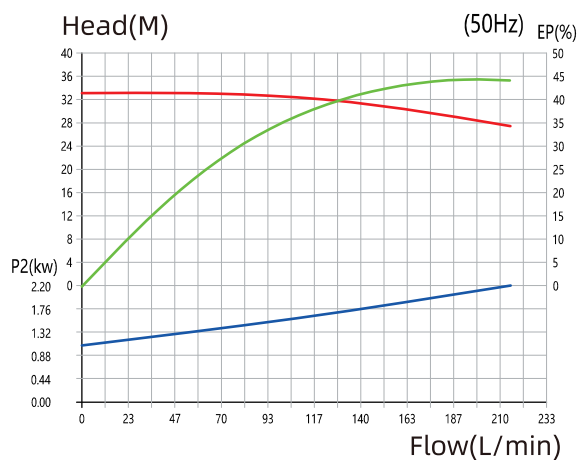


Performance Curve

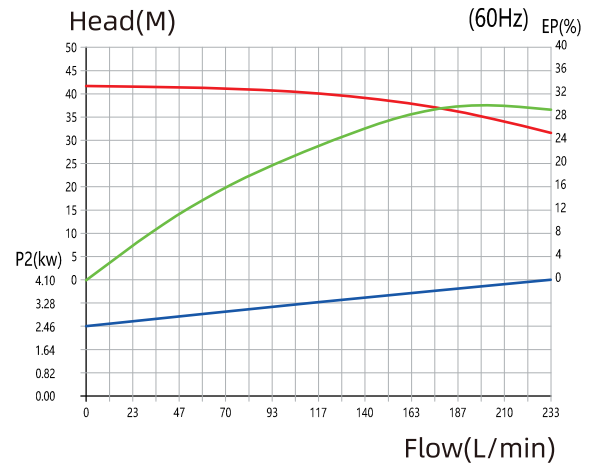
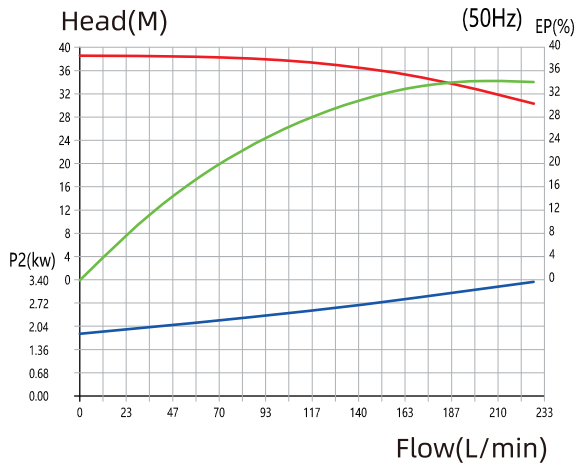
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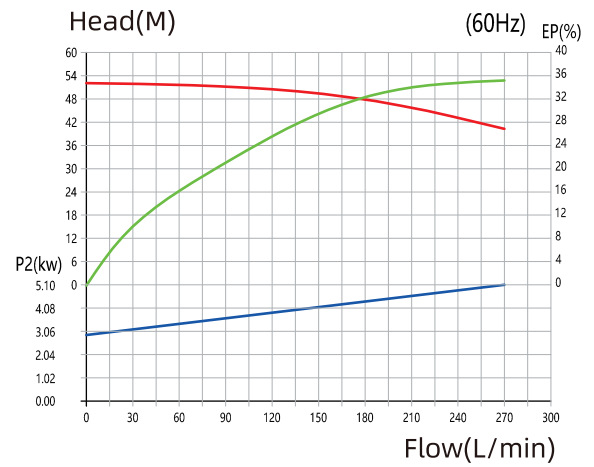
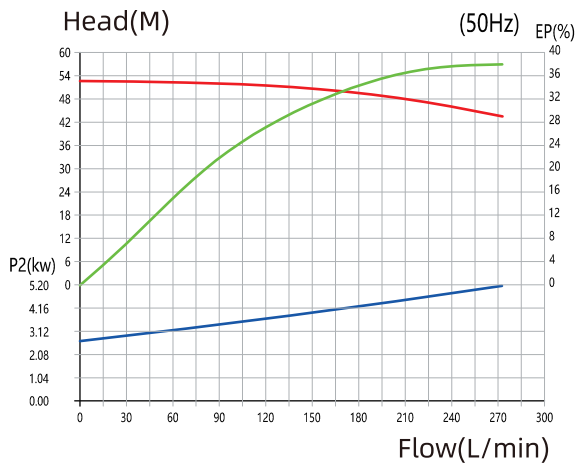
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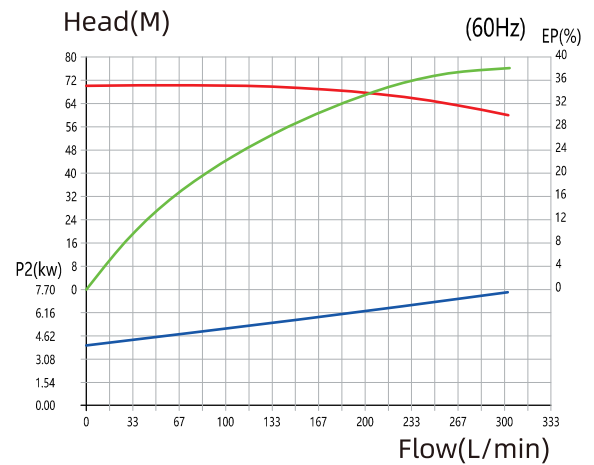
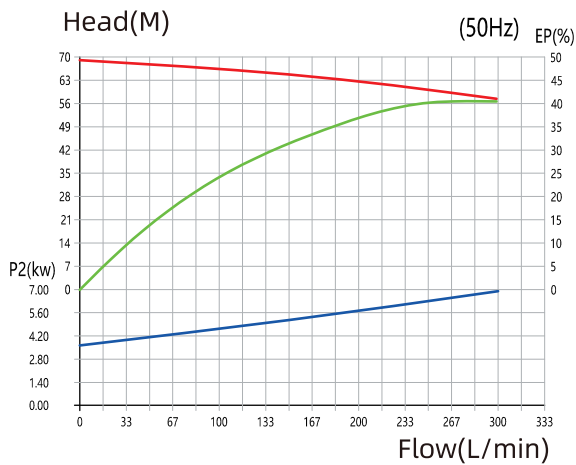
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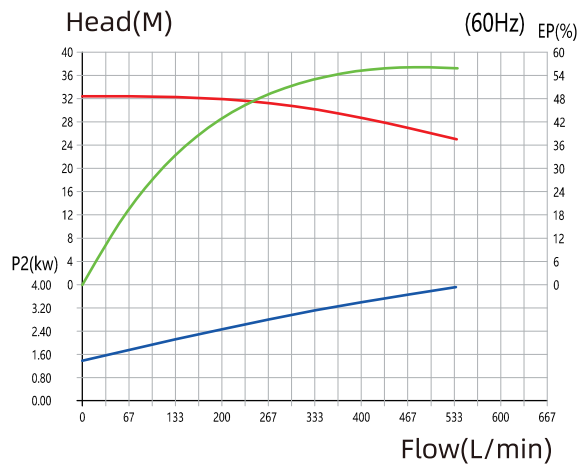
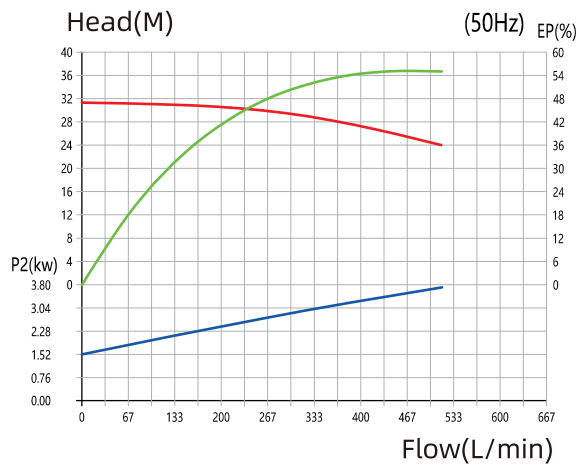
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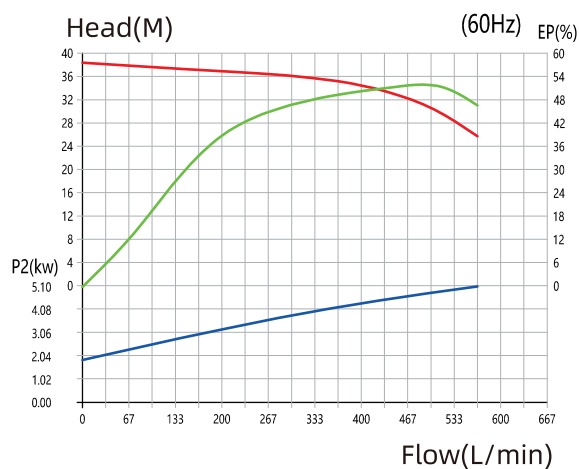
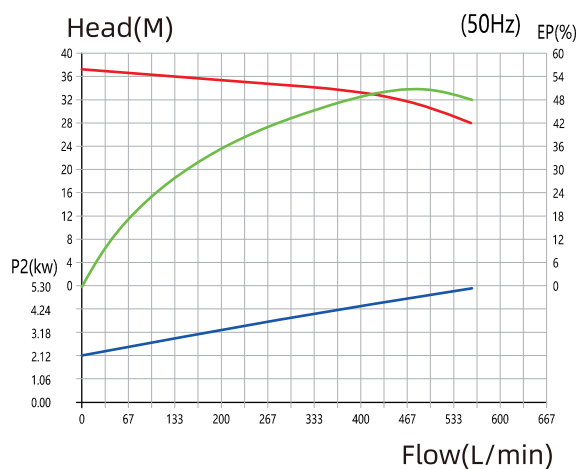
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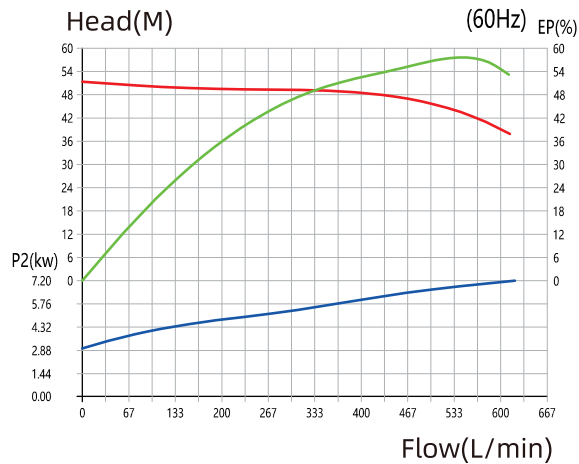
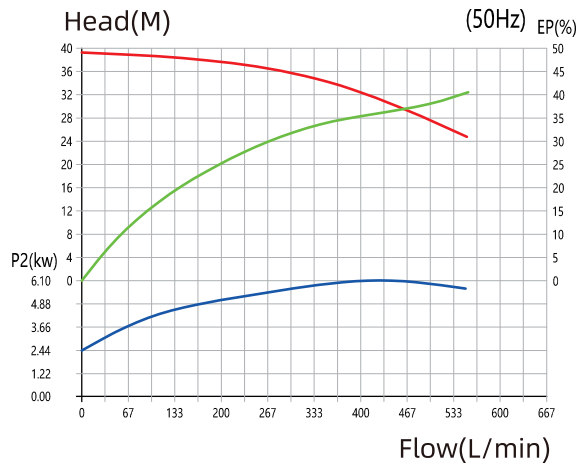
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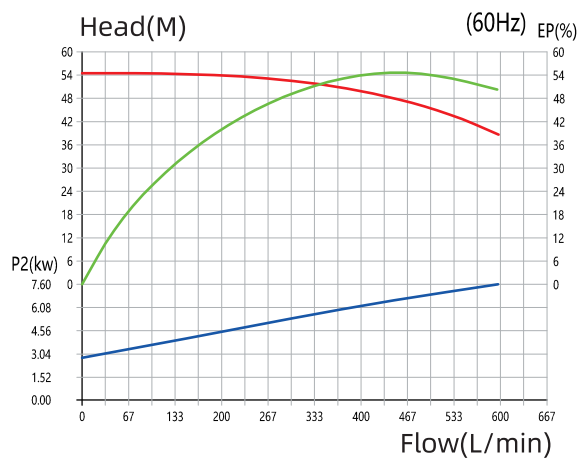
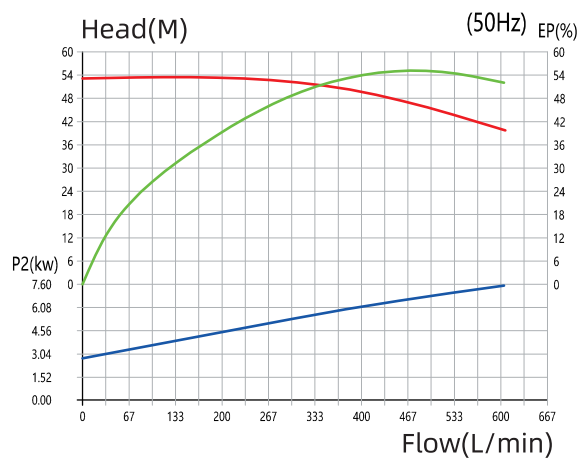
QB50-40-7.5



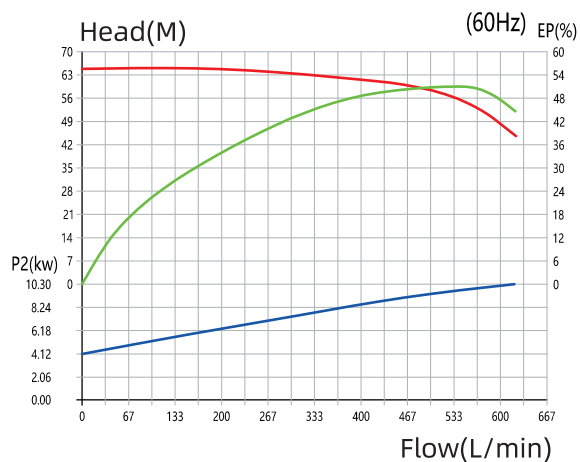
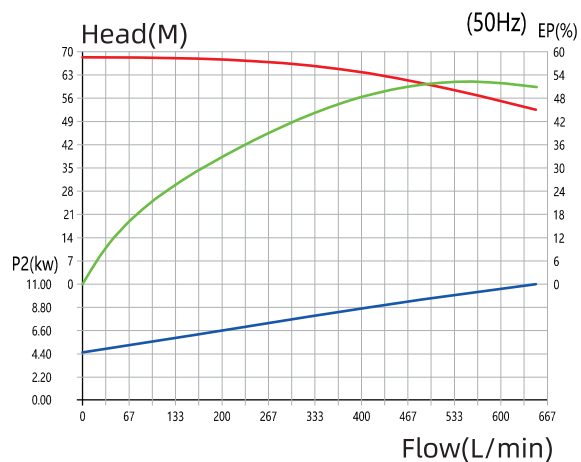
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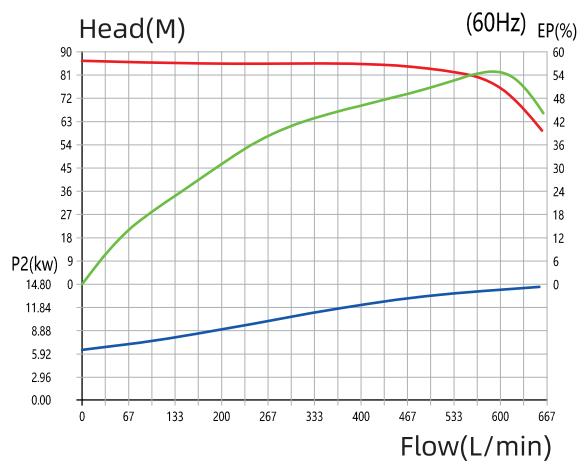
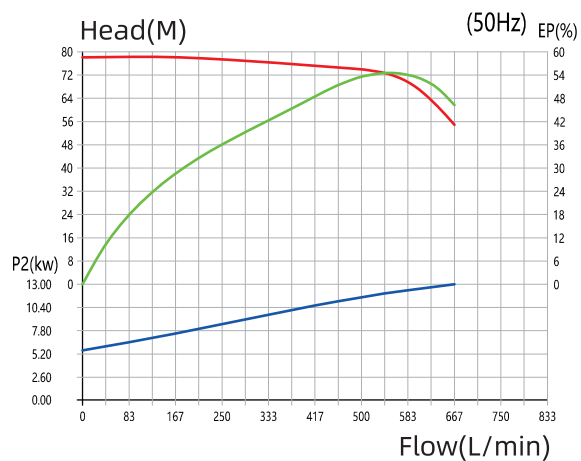
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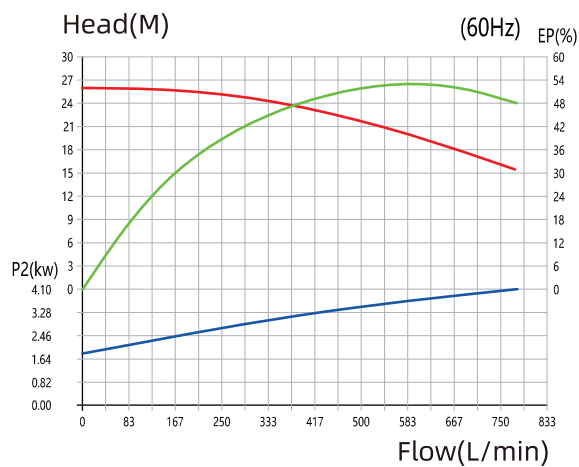
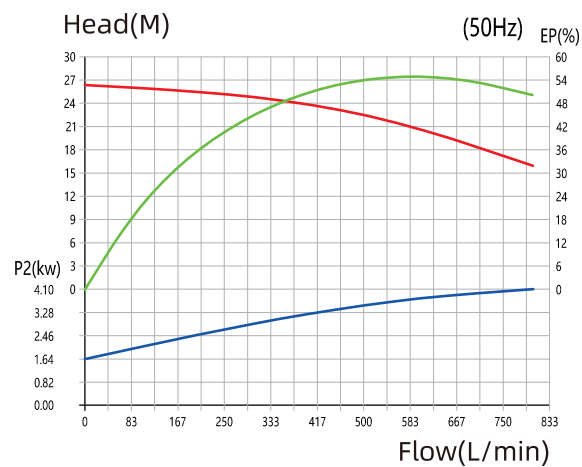
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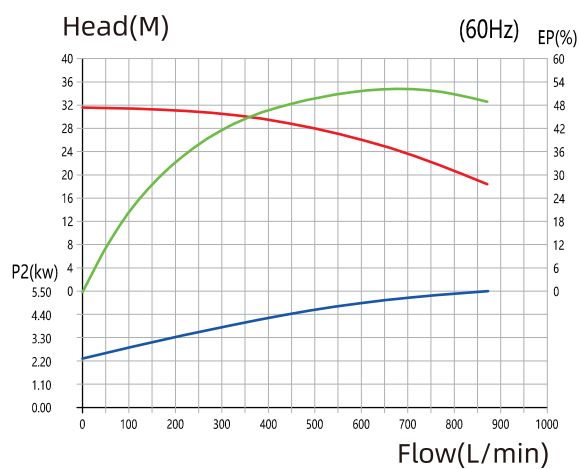
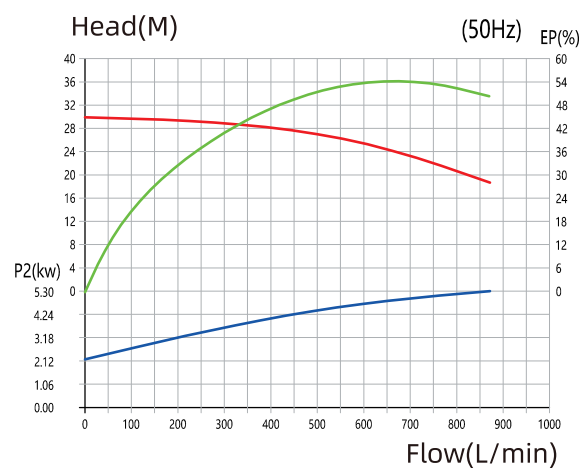
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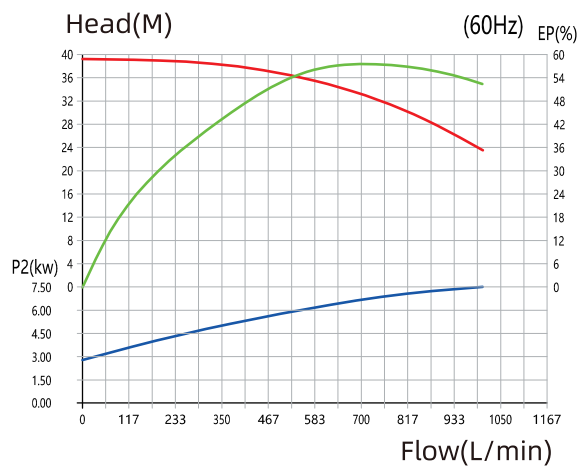
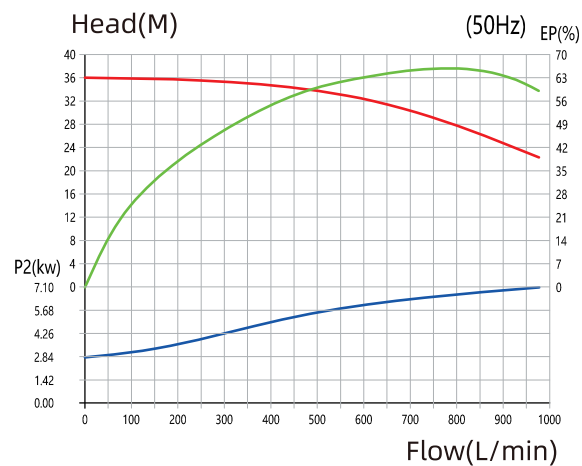
QB65-50-5



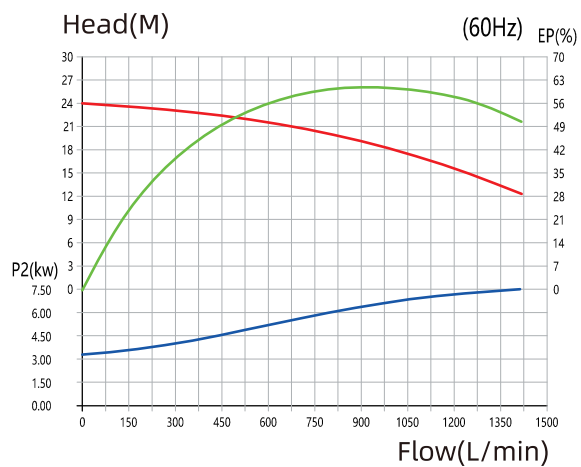
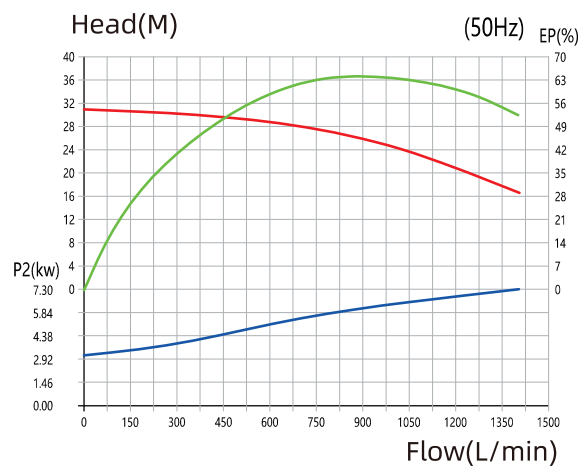
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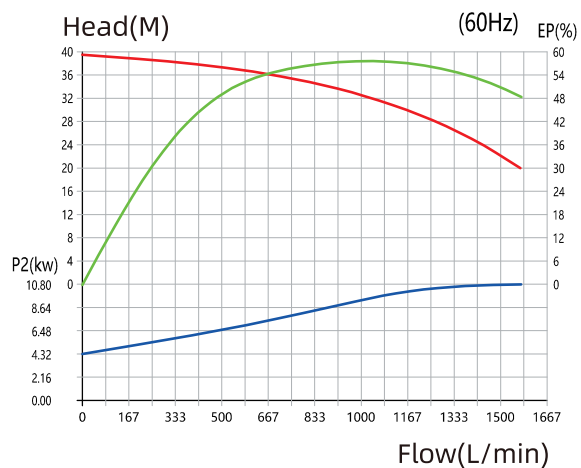
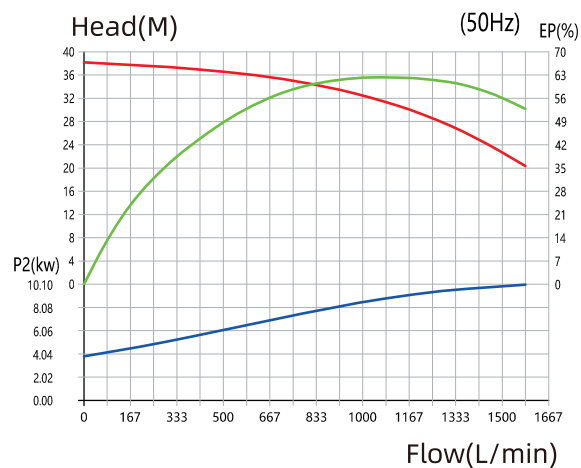
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QB80-65-10



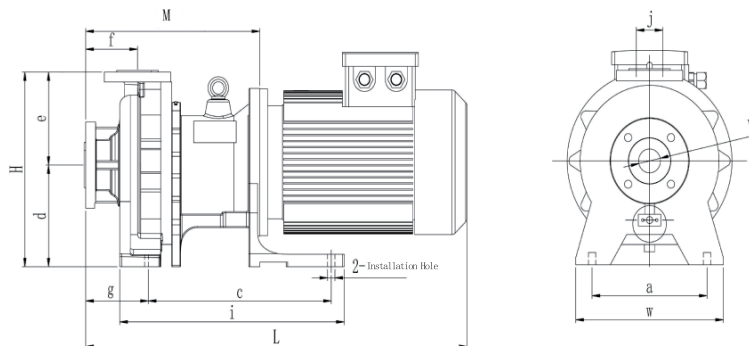
QB80-65-15



**No Demagnetization, Corrosion Resistance,
Zero Leakage, Low Vibration And Low Noise.**



Overall Dimensions

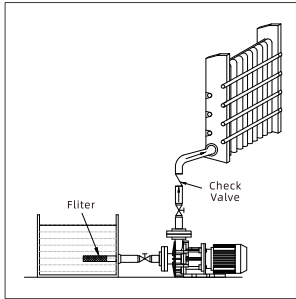


Model	Power	L	H	W	a	c	d	e	f	g	i	j	k	m	Length of The Motor	Installation Hole
QB-40-25	2HP	521.5	310	180	130	150	150	160	80	100	246	25	40	245.5	276	Ø15
	3HP	521.5	310	180	130	150	150	160	80	100	246	25	40	245.5	276	Ø15
QB-40-25	5HP	673	345	280	220	365	180	164	100	112	437	25	42	341	332	Ø14
	7.5HP	713	345	280	220	365	180	164	100	112	437	25	42	341	372	Ø14
	10HP	752	345	280	220	365	180	164	100	112	437	25	42	341	411	Ø14
QB-50-40	5HP	653	340	280	220	365	180	160	80	90	434	36	50	321	332	Ø14
	7.5HP	693	340	280	220	365	180	160	80	90	434	36	50	321	372	Ø14
	10HP	732	340	280	220	365	180	160	80	90	434	36	50	321	441	Ø14
QB-50-40-H	7.5HP	725	410	281	220	365	230.5	179.5	80	87	412	36	52	349.5	128.3	Ø14
	11HP	842	410	281	220	450	230.5	179.5	80	87	527	36	52	349.5	178.3	Ø14
	15HP	845	410	281	220	450	230.5	179.5	80	87	527	36	52	349.5	198.5	Ø14
QB-65-50	7.5HP	692.5	340	280	220	365	180	160	80	90	434	46	66	320.5	372	Ø14
	10HP	731.5	340	280	220	365	180	160	80	90	434	46	66	320.5	441	Ø14
QB-80-65	15HP	798	360	280	220	365	180	180	100	110	437	58	80	342	456	Ø14

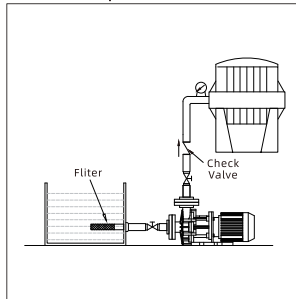
● Note: This is the overall dimensions of the PPH material.

Installation Diagram

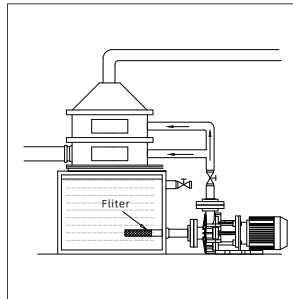
For Heat Exchangers



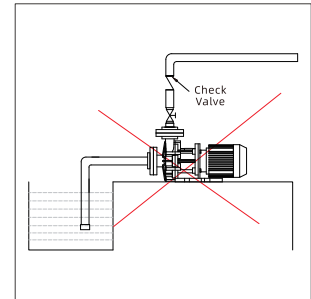
For Reaction Tanks Or
Filter Compressors



For Equipment Lines
Or Scrubbers



Warning Improper Use :



Safety Precautions

Safety Warning!

1. Working without cutting off the power supply will cause electric shock!
2. It is forbidden to start the pump without connecting the ground wire and leakage protector!
3. Electrician operations should be performed by professionals!
4. When operating the pump, please wear protective equipment to prevent serious damage from chemical liquids!
5. When working with toxic liquids, it may cause poisoning!
6. Use the pump strictly in accordance with the instructions and scope of use of the pump!
7. When the pump is running, the surface temperature of the motor and pump will be very high, do not touch it directly!
8. It is forbidden to modify the pump without authorization, otherwise it will cause serious accidents. The company is not responsible for any losses caused by users who modify the pump without permission or not in accordance with the operating instructions!
9. Magnetic drive pumps contain strong magnets, and their strong magnetic fields will cause obvious harm to people wearing electronic devices such as electronic pacemakers!

Important Tips!

1. It is forbidden to dry-run the pump. The dry running will cause friction and heat in the pump parts, which will damage the pump. (When the suction valve is completely closed, the pump is considered to be running dry).
2. During operation, if dangerous signals and abnormal conditions are found, the operation must be stopped immediately and restarted after the abnormality is eliminated.
3. Qualified operators must be arranged to operate the pump.
4. The pump is only allowed to be used at the specified voltage. Violation of this operation will cause damage to the pump or fire.
5. The place where the pump is used should have protective measures to prevent liquid splashing or leakage.
6. When working with toxic liquids, it may cause poisoning. Ensure that the operation site is fully ventilated.
7. It is forbidden to scratch, damage, squeeze or stretch the cable with force. Using damaged cables can easily cause fire or electric shock.
8. Do Not Cover the Pump Body.: Covering the pump body will impede heat dissipation, leading to heat accumulation that may cause fires or mechanical failures.
9. When someone is repairing the pump, be careful to avoid other operators turning on the power switch by mistake. It is best to place a warning sign next to the power switch to inform that someone is repairing the pump.
10. Some of the liquids flowing out of the pump are highly toxic and harmful chemical liquids, which must be directed to special containers for storage.



WWW.QEEHUAPUMP.COM



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2026.03.31