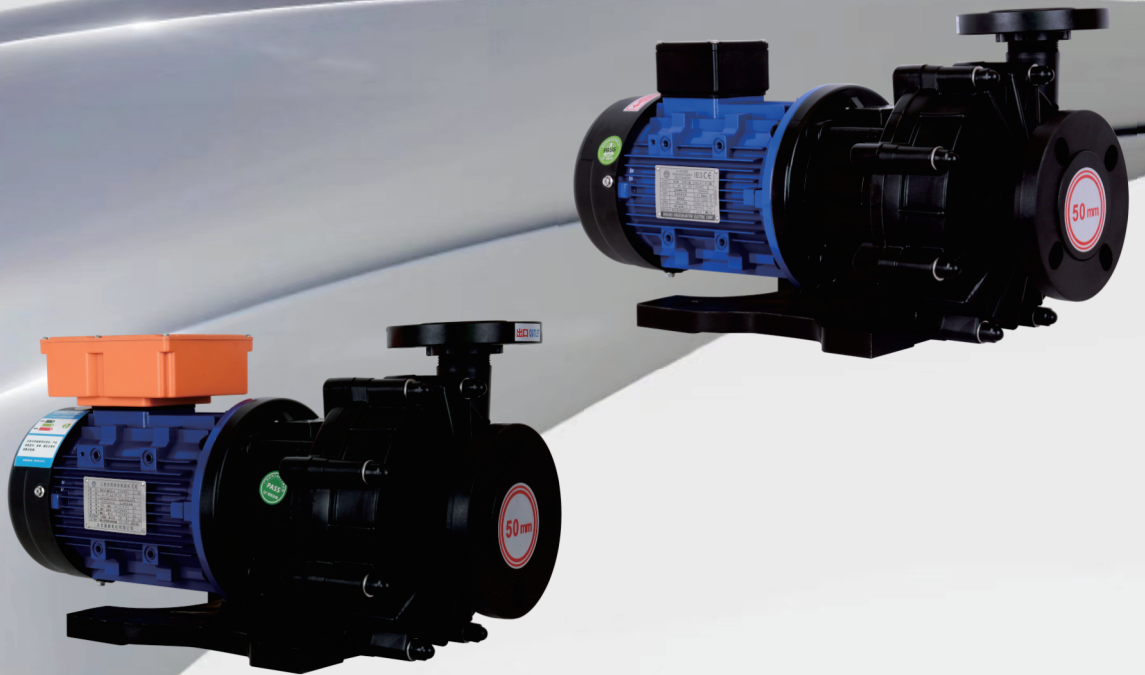




QHX Series Acid & Alkali Resistant Magnetic Drive Pump

Excellent corrosion resistance, high performance, high cost-effective,
customization, long service life



GUANGDONG QEEHUA INDUSTRY EQUIPMENT CO., LTD.



Workshop & Warehouse





High performance and high efficiency

QEEHUA PATENT

Inner magnet coating with Integrated injection molding technique ensures non-explosion!

Series Model — 50Hz — 60Hz

Main material	Model	Max. flow (L/min)										Max.head (m)				Parameters apply to specific gravity range			
		200	400	600	800	1000	1200	1400	1600	1800	2000	10	20	30	40				
PPH/PVDF/CFRETFE	QHX -250	92	100	15	16.5														
	QHX -251	117	122	20	24.5														
	QHX -252	115	117	31.5	34														
	QHX-253	122	118	35	41														
	QHX -440	230	223	12	11														
	QHX -441	262	282	17	17														
	QHX -422	183	183	27	27														
	QHX -423	222	220	36.5	36														
	QHX -542	372	378	21	24														
	QHX -542H	313	328	27	29														
	QHX -543	450	447	26.5	29														
	QHX -543H	318	352	35	38														
	QHX -545	510	525	35.5	36														
	QHX -552	503	447	20.5	21														
	QHX -553	563	585	25	28.5														
	QHX -555	573	635	37	37														
	QHX -652	550	540	15	15														
	QHX -653	640	622	19	19														
	QHX -655	830	802	28	29														
	QHX -663	928	888	15	16														
QHX -665	1100	1098	20	21															
QHX -667.5	11170	1157	27	27															
QHX -8610	1406	1372	32	30															
QHX -8615	1567	1526	40	40															
QHX-10010	1700	1857	32	30															
QHX-10015	1750	1983	38	39															

<1.2

● Medium Temperature: Room Temp.~10°C~+120°C, Specific Gravity: 1-2, Working Temperature: -5°C~+50°C, Maximum Altitude: 2000m, Maximum Working Pressure: 5Bar.
 Test Basis: The above performance data corresponds to water being transported at normal speed at 25°C. The performance error is ±5%. The performance of the pump varies with the specific gravity and temperature of the conveying fluid medium.

QHX Series Exploded View



① Inlet flange connector: PPH/PVDF/CFRETFE

② Inlet flange: GFRPP

③ Inlet seal o-ring: EPDM/FKM/FFKM

④ Outlet flange connector: PPH/PVDF/CFRETFE

⑤ Outlet flange: GFRPP

⑥ Outlet seal o-ring: EPDM/FKM/FFKM

⑦ Holding screw: SUS304/SUS316/Ti

* ⑧ Front Cover: The front cover adopts double convex ridge sealing structure design. It can choose hose connection type or thread connection type according to different needs.

* ⑨ Shaft: 99% ceramic /SSIC/ titanium material, strong acid and alkali resistance, liquid adhesion rate is low

* ⑩ Front & Rear Covers Seal O-ring

FKM is suitable for acid liquids and solvents, EPDM is suitable for alkali and weak acid liquids, optional FFKM is suitable for any strong acid and alkali liquids and solvents.

* ⑪ Impeller Assembly: Composed of impeller + Bearing + internal magnet (passive magnet), the inner magnet coating is integrated by injection molding to ensure no penetration, no magnetic explosion, and long service life. The impeller is scientifically designed, and the deflection is less than 0.2mm to ensure the stability of flow and head output. It can also avoid the problem of leakage because the impeller deflection is too large, causing the shaft and bearing to wear through the rear cover.

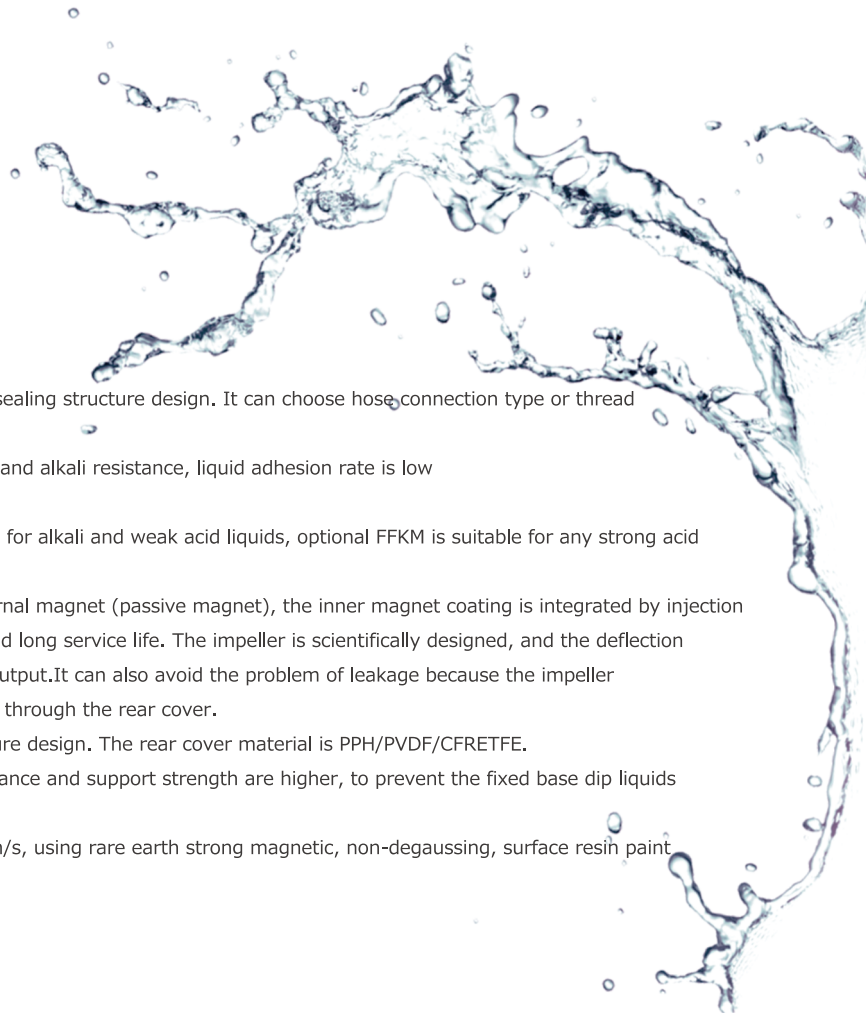
⑫ Rear Cover Assembly: Double convex ridge sealing structure design. The rear cover material is PPH/PVDF/CFRETFE.

⑬ Frame: PP + glass fiber injection molding, corrosion resistance and support strength are higher, to prevent the fixed base dip liquids from being corroded.

⑭ Drive Magnet: Drive magnet vibration is lower than 2.0mm/s, using rare earth strong magnetic, non-degaussing, surface resin paint process to ensure strong corrosion resistance.

⑮ Motor

• Note: Items marked with “*” are Wearing Parts.



I QHX 1/2HP-15HP

Energy-saving Acid And Alkali Resistant Magnetic Pump

Product Feature

Non-explosive magnetic patent: The first inner magnet coating with integrated injection molding technique in China, to avoid inner magnet cracking caused by liquid infiltration. The pump can be equipped with intelligent three defense devices to achieve anti-dry running, anti-overload, anti-phase loss, and improve product durability.



Specification Sheet

Model	Inlet & Outlet (mm)	Max.Flow				Max.Head(m)		Reference S.G Range	Power		Weight (kg)
		50Hz		60Hz		50Hz	60Hz		HP	KW	
		(L/min)	(m ³ /h)	(L/min)	(m ³ /h)						
QHX -250	25/25	92	5.5	100	6	15	17	< 1.2	0.5	0.37	14.2
QHX -251	25/25	117	7	122	7.3	20	24.5	< 1.2	1	0.75	20.7
QHX -252	25/25	115	6.9	117	7	31.5	34	< 1.2	2	1.5	26.7
QHX-253	25/25	122	7.3	118	7.1	35	41	< 1.2	3	2.2	29.6
QHX -440	40/40	230	13.8	223	13.4	12	11	< 1.2	0.5	0.37	14.8
QHX -441	40/40	262	15.7	282	16.9	17	17	< 1.2	1	0.75	19.2
QHX -422	40/25	183	11	183	11	27	27	< 1.2	2	1.5	27.9
QHX -423	40/25	222	13.3	220	13.2	36.5	36	< 1.2	3	2.2	31
QHX -542	50/40	372	22.3	378	22.7	21	24	< 1.2	2	1.5	28.2
QHX -542H	50/40	313	18.8	328	19.7	27	29	< 1.2	2	1.5	27.9
QHX -543	50/40	450	27	447	26.8	26.5	29	< 1.2	3	2.2	30.6
QHX -543H	50/40	318	19.1	352	21.1	35	38	< 1.2	3	2.2	30.6
QHX -545	50/40	510	30.6	525	31.5	35.5	36	< 1.2	5	4	46.1
QHX -552	50/50	503	30.2	477	28.6	20.5	21	< 1.2	2	1.5	27.7
QHX -553	50/50	563	33.8	585	35.1	25	28.5	< 1.2	3	2.2	30.5
QHX -555	50/50	573	34.4	635	38.1	37	37	< 1.2	5	4	46.1
QHX -652	65/50	550	33	540	32.4	15	15	< 1.2	2	1.5	29.6
QHX -653	65/50	642	38.5	622	37.3	19	19	< 1.2	3	2.2	32.2
QHX -655	65/50	830	49.8	802	48.1	28	29	< 1.2	5	4	46.5
QHX -663	65/65	928	55.7	888	53.3	15	16	< 1.2	3	2.2	33.5
QHX -665	65/65	1100	66	1098	65.9	20	21	< 1.2	5	4	47.3
QHX -667.5	65/65	1170	70.2	1157	69.4	27	27	< 1.2	7.5	5.5	62.3
QHX-8610	80/65	1406	84	1372	82	32	30	< 1.2	10	7.5	82.2
QHX-8615	80/65	1567	94	1526	91.6	40	40	< 1.2	15	11	95.2
QHX-10010	100/100	1700	102	1857	111.4	32	30	< 1.2	10	7.5	81
QHX-10015	100/100	1750	105	1983	119	38	39	< 1.2	15	11	94.5

Medium temperature: -10 °C~+120 °C, medium specific gravity: 1-2, working environment temperature: -5 °C~+50 °C, maximum operating altitude: 2000m, maximum working pressure: 5Bar. Test basis: The above performance data corresponds to the normal speed of transportation of clean water at 25 °C. The performance error is ± 5%. The performance of a pump varies with the specific gravity and temperature of the fluid medium being transported.

**QHX-250/251/252/253/440/441/422/423
542/542H/543/543H/545/552/553
555/652/653/655/662/663/665/667.5
8610/8615/10010/10015**

- Max. Flow: 92-1983L/min
- Max. Head: 11-40m

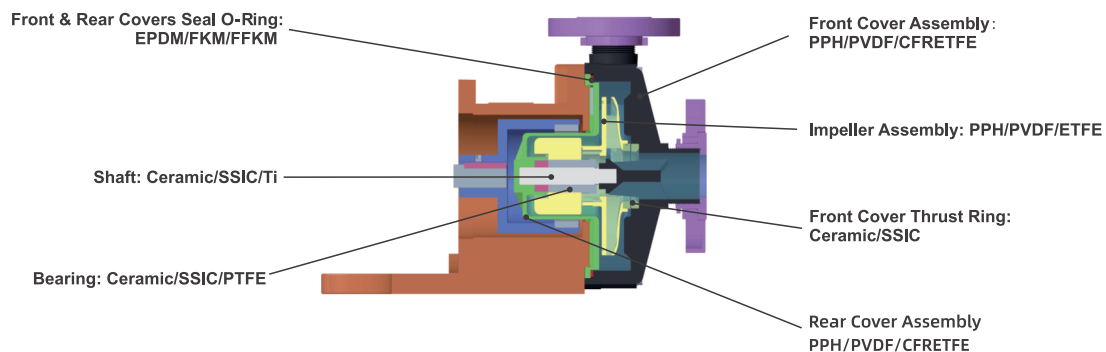


Model Description

QHX - F - 54 - 3 - C - C - V - 5 - V38 - A - F - G - A - H - A - S
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯

- ① Model No.: QHX
- ② Pump Material: F-PPH; P-PVDF; E-CFRETFE
- ③ Inlet And Outlet Caliber: 25-25*25mm; 42-40*25mm; 44-40*40mm; 54-50*40mm; 55-50*50mm; 65-65*50mm; 66-65*65mm; 86-80*65mm; 100-100*100mm
- ④ Power: 0-1/2HP; 1-1HP; 2-2HP; 3-3HP; 5-5HP; 7.5-7.5 HP; 10-10HP; 15-15HP
- ⑤ Pump Shaft Material: C-Ceramic; S-SSIC Silicon Carbide; T-Titanium Material
- ⑥ Bearing Material: C-Carbon; S-SSIC Silicon Carbide; P-PTFE
- ⑦ Sealing Material: E-EPDM; V-FKM; F-FFKM
- ⑧ Frequency: 5-50Hz; 6-60HZ
- ⑨ Voltage: V38-3Ø/380V; V41-3Ø/415V; V 44-3Ø/440V; V 48-3Ø/480V; V 66-3Ø/660V; V 32-3Ø/220V; V 22-1Ø/220V
- ⑩ 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
- ⑪ Inlet And Outlet Form: F-Flange; U-Union; S-Screw
- ⑫ Motor Brand: G-Kingdom; A-ABLE; ABB-ABB; W-Wanda; Q-Other
- ⑬ 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
- ⑭ Pump Type: H-high head; Codeless-universal
- ⑮ Motor Protection Level: A-IP54; B-IP55; C-IP56; D-IP65
- ⑯ S-Standard; N-Non-Standard

Structure Drawing And Material

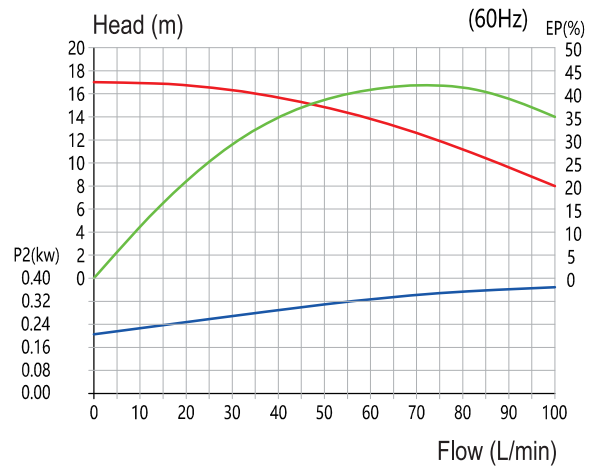
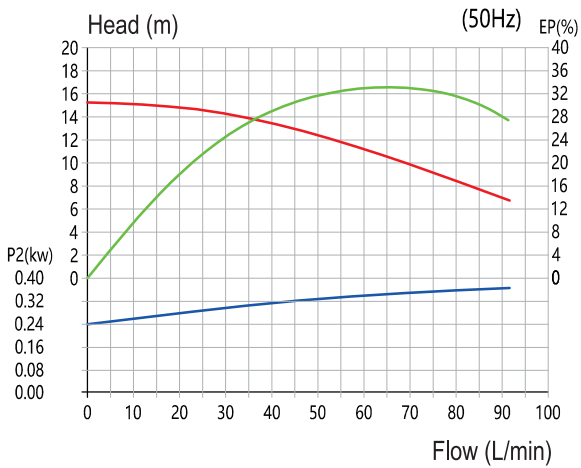




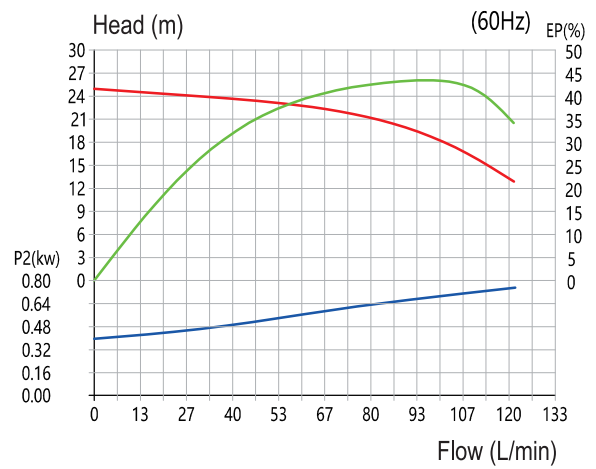
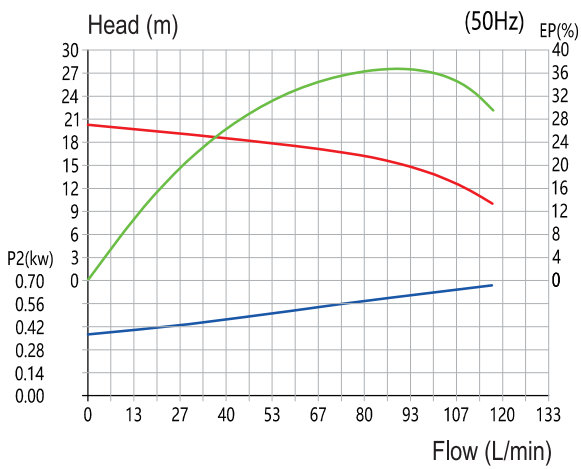
Performance Curve

Head&Flow Efficiency Shaft Power

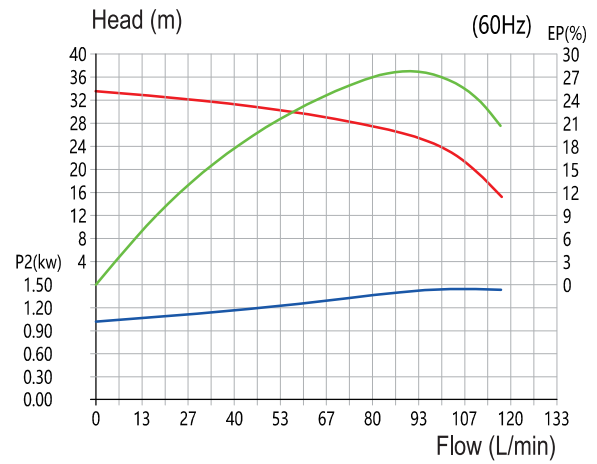
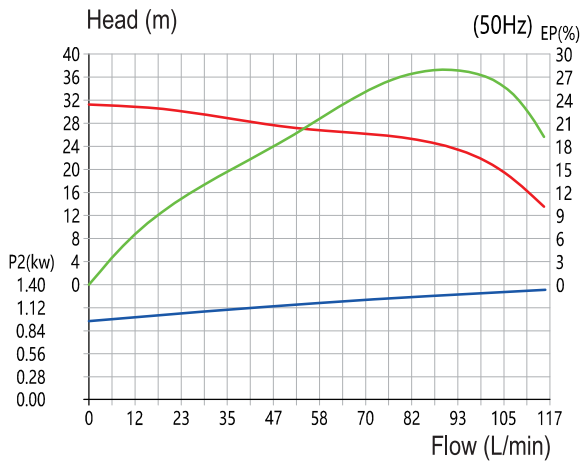
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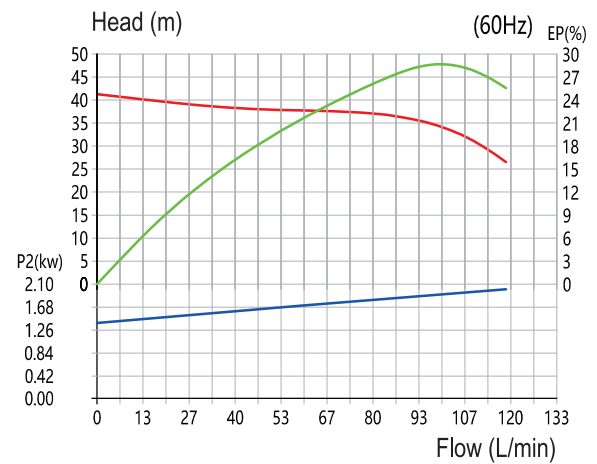
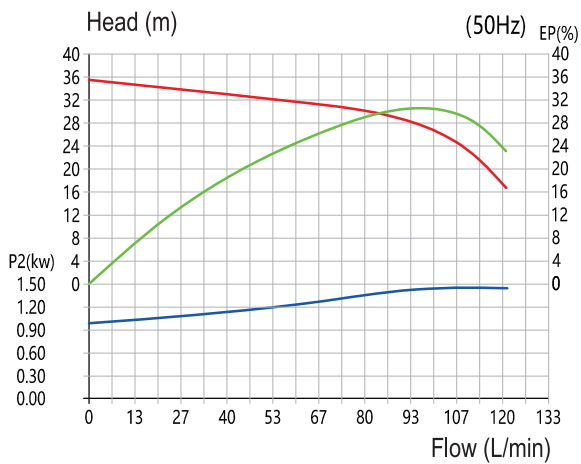
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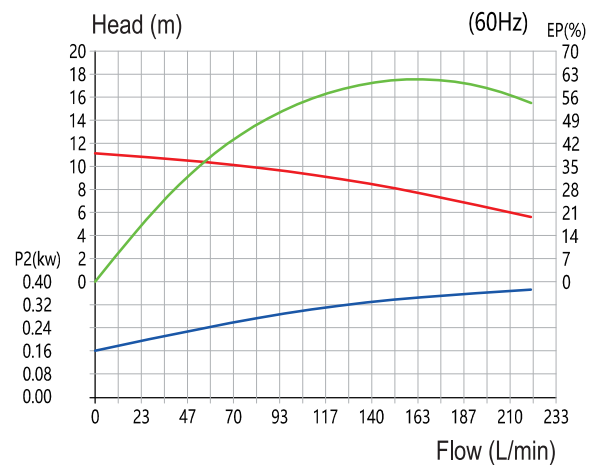
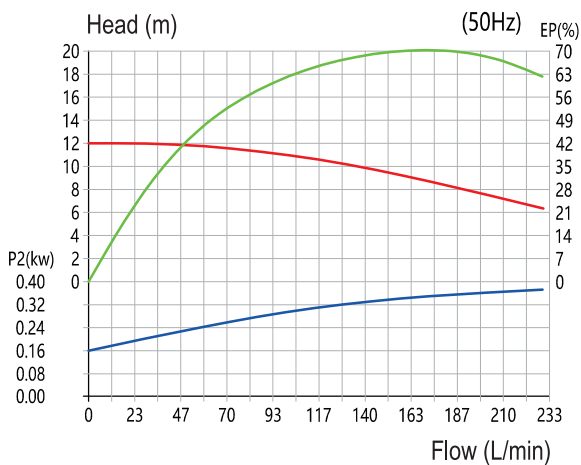
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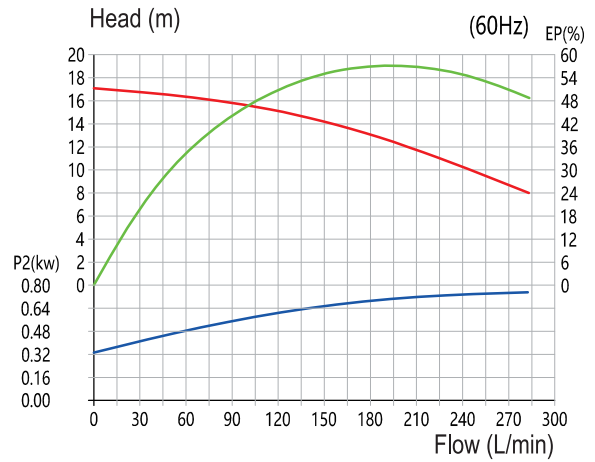
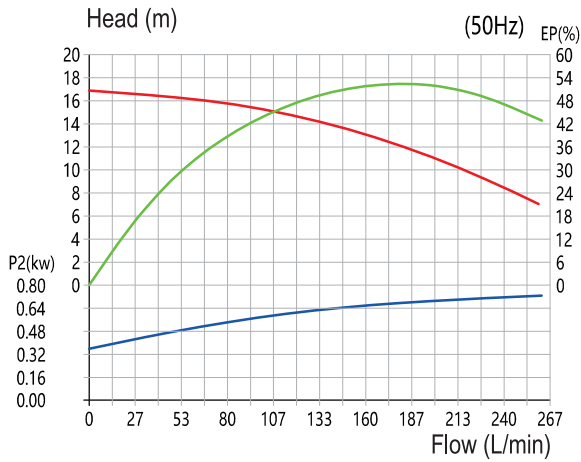
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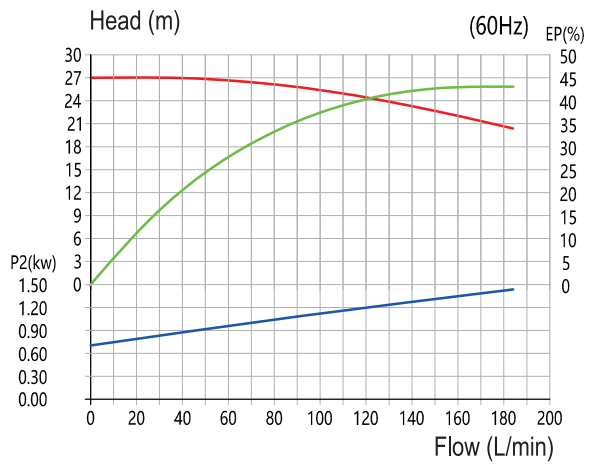
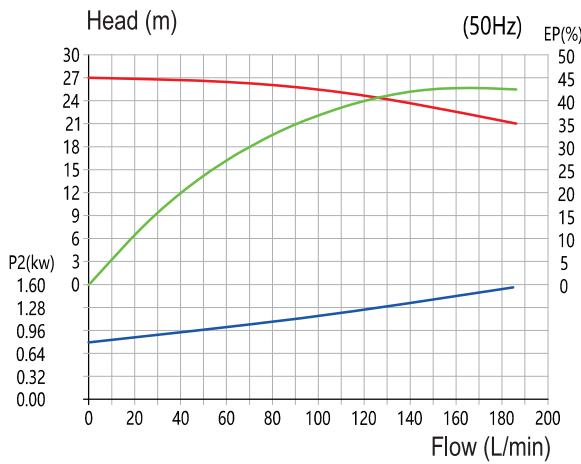
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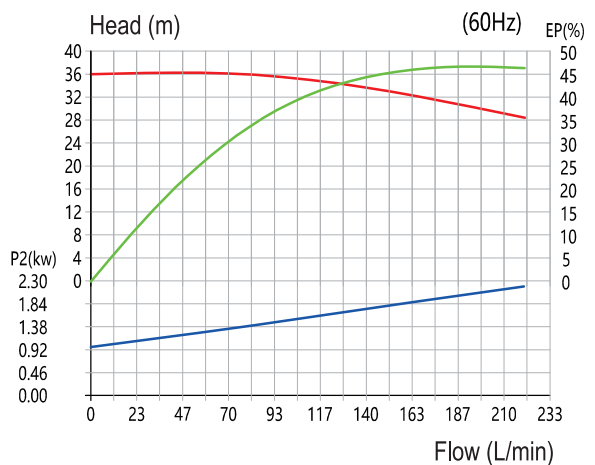
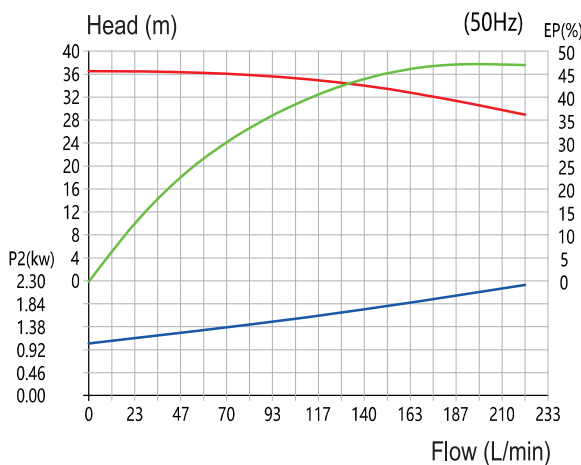
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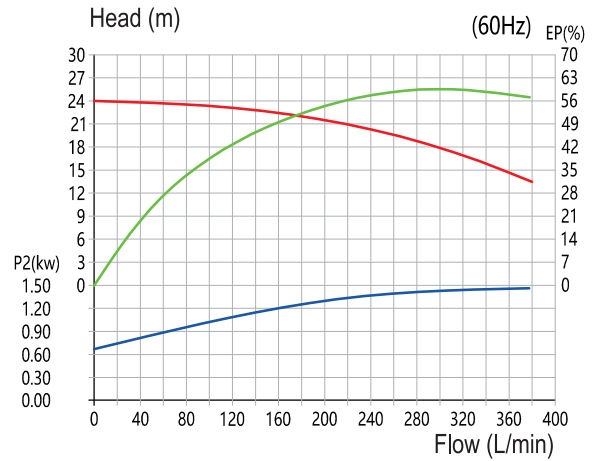
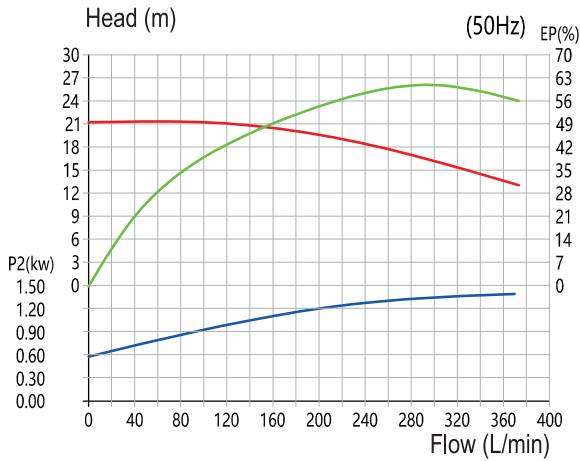
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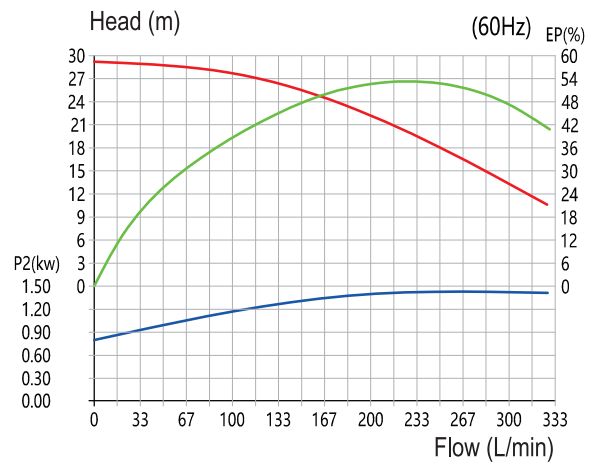
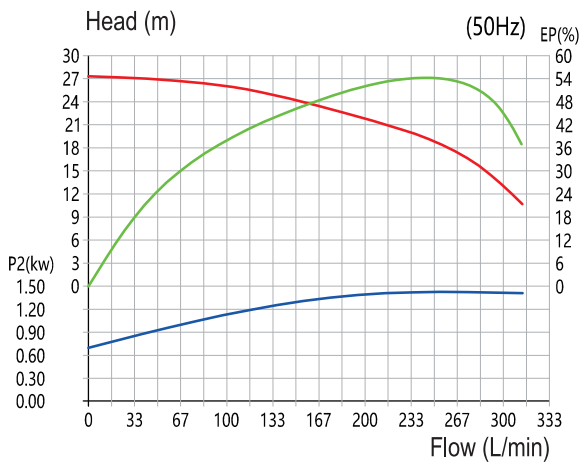
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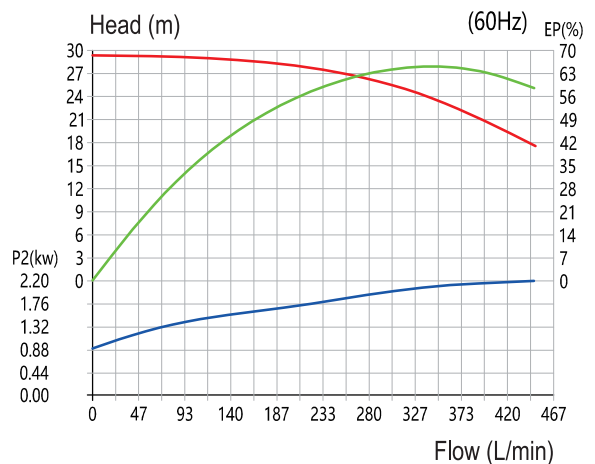
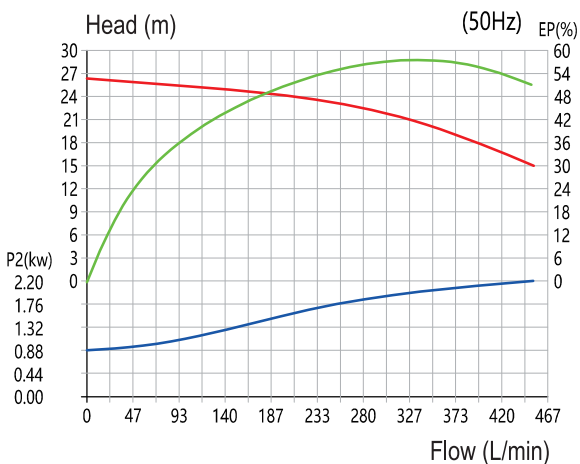
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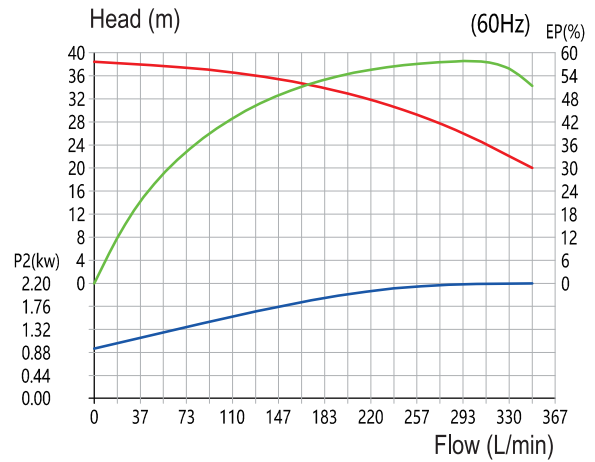
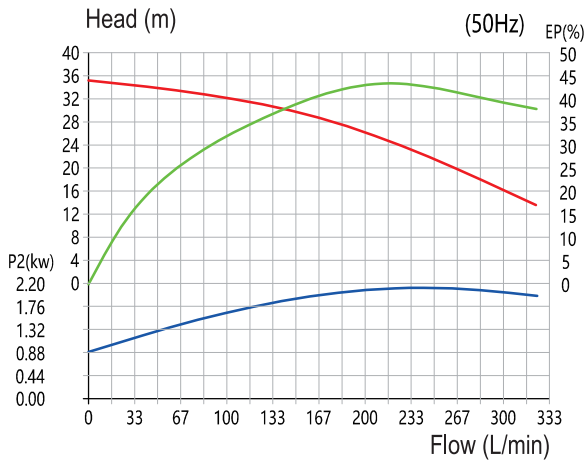
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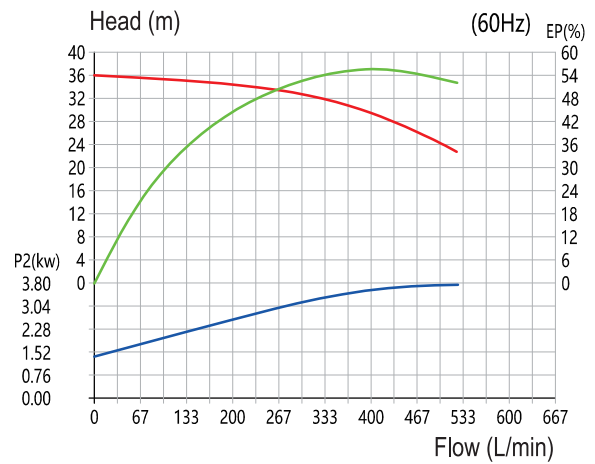
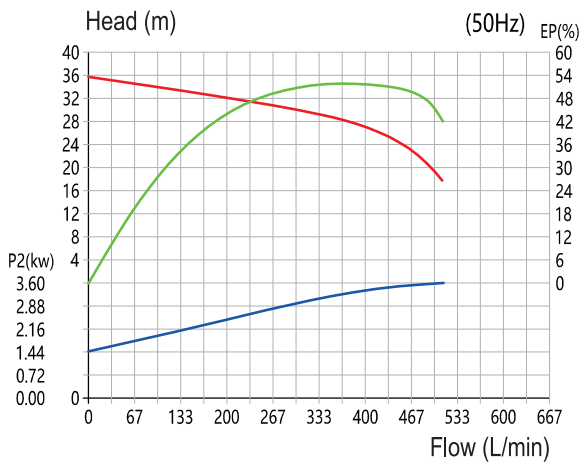
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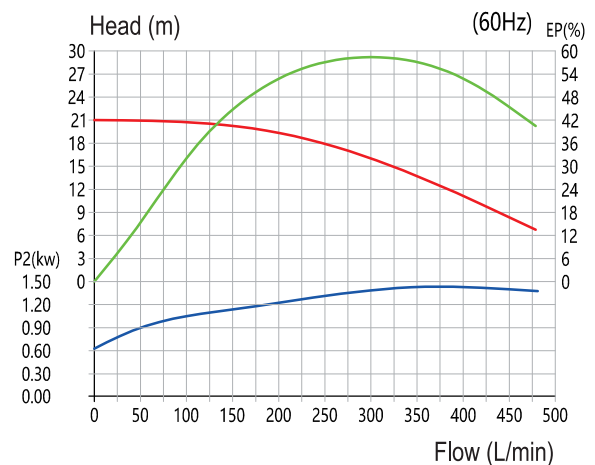
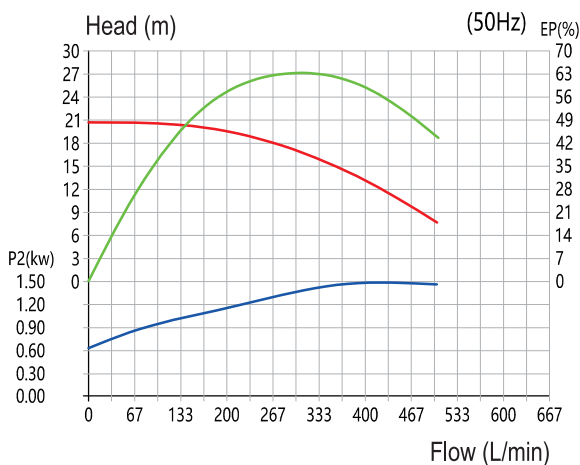
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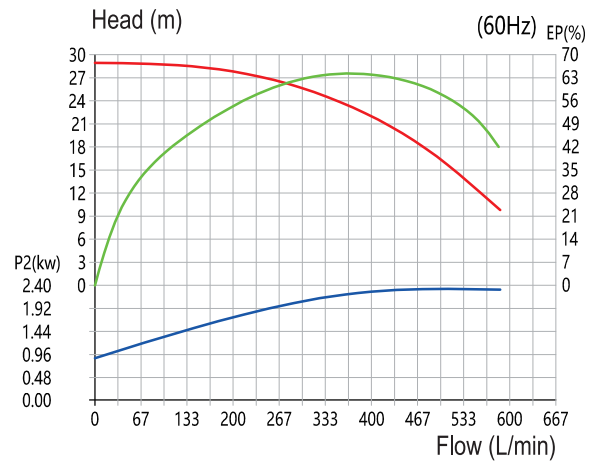
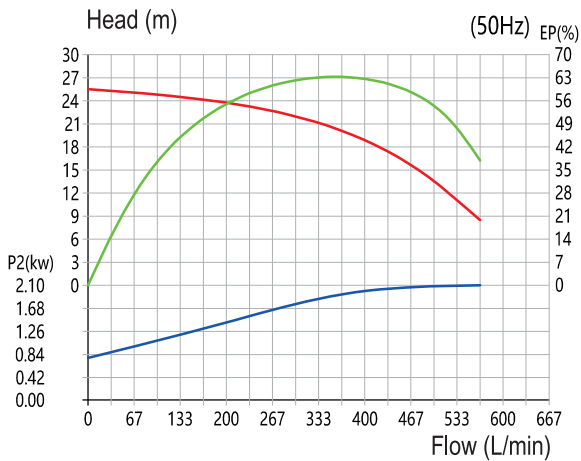
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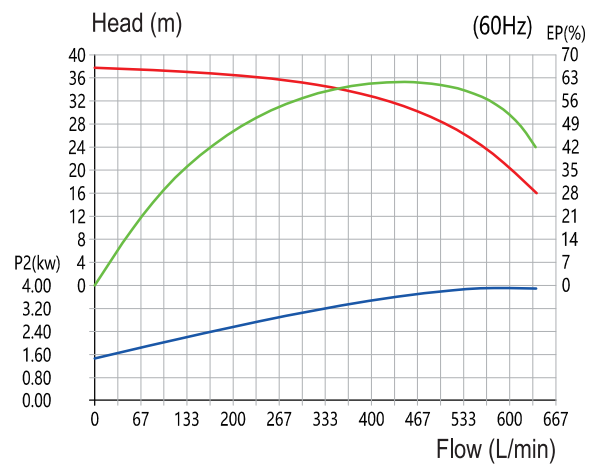
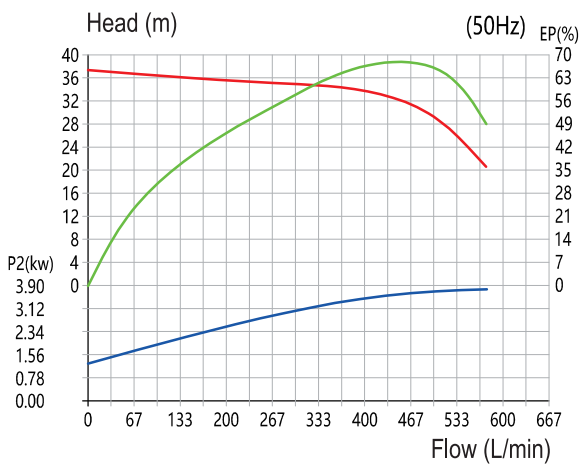
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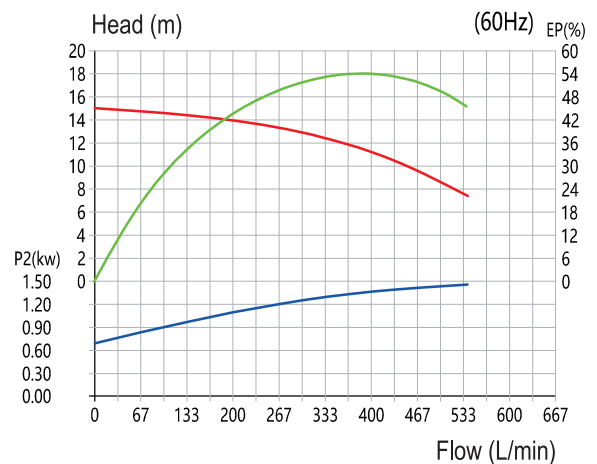
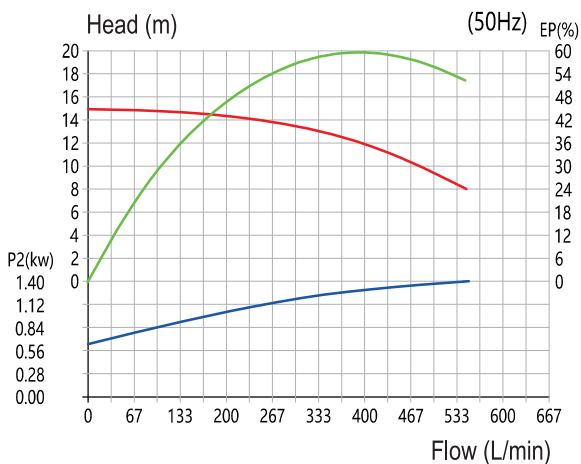
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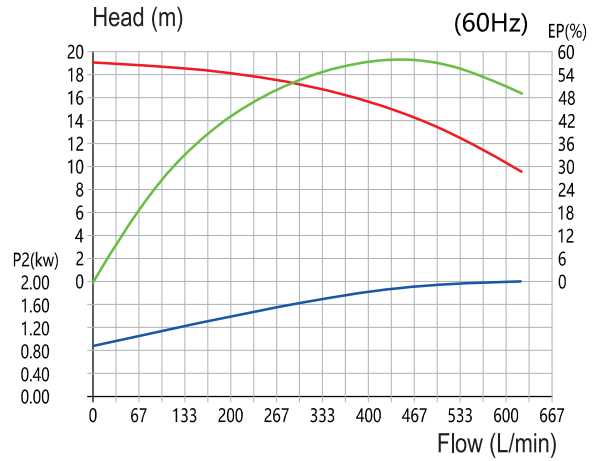
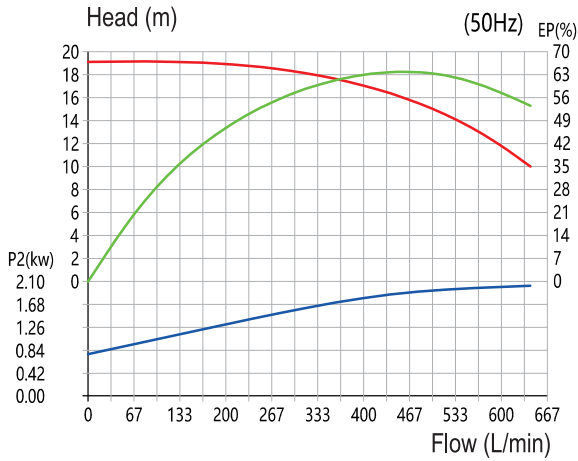
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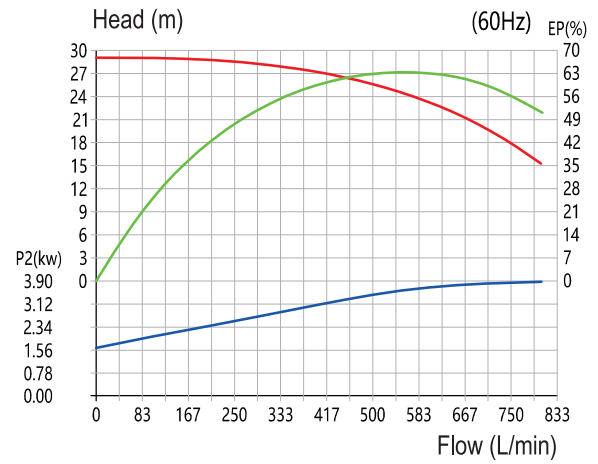
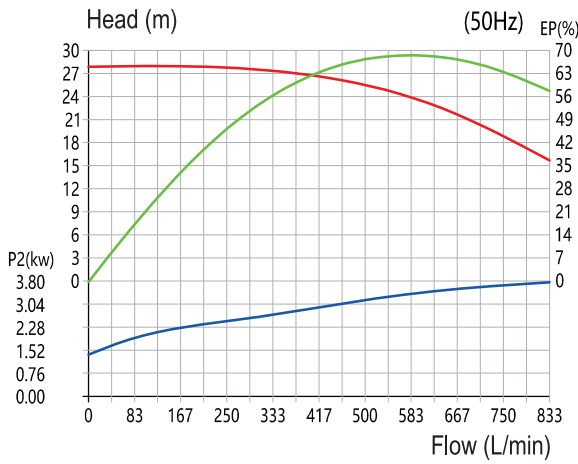
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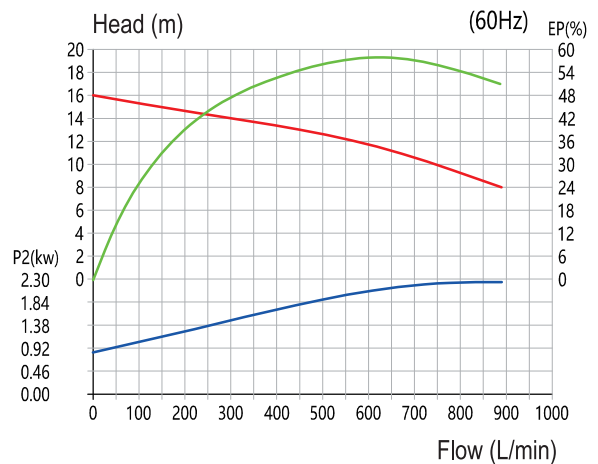
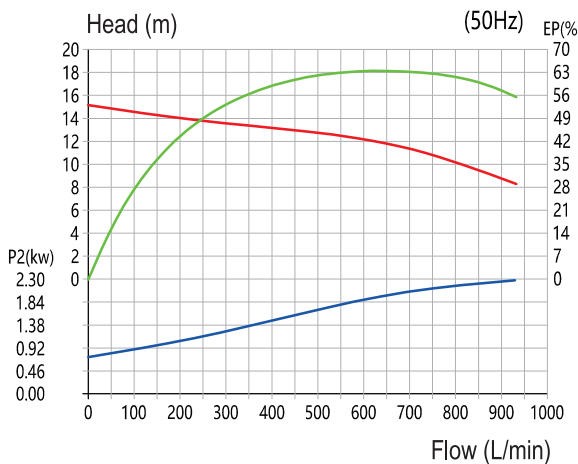
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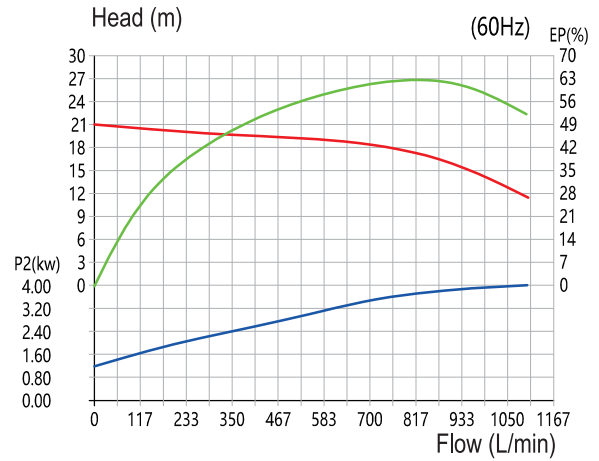
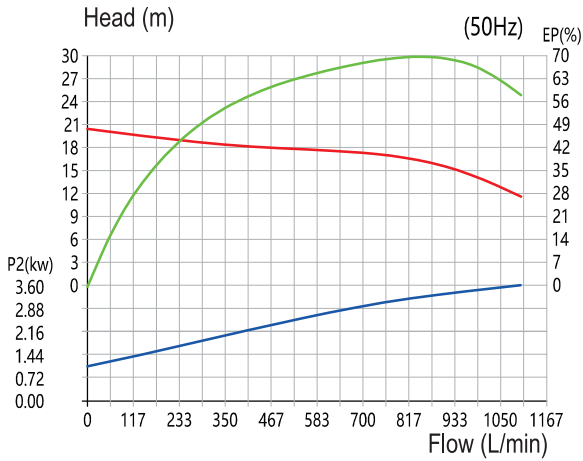
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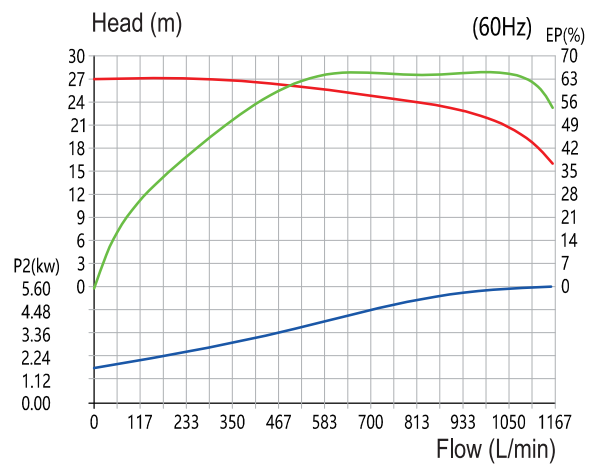
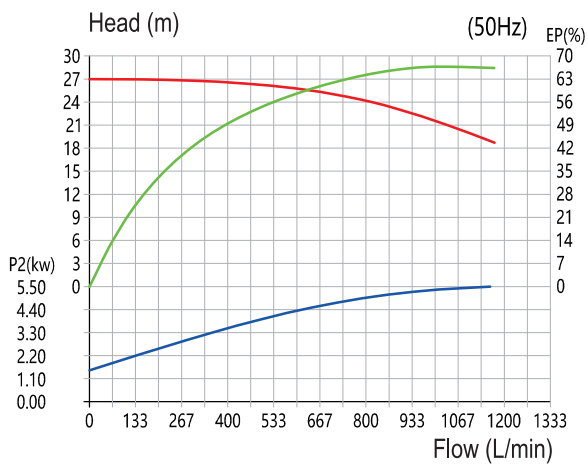
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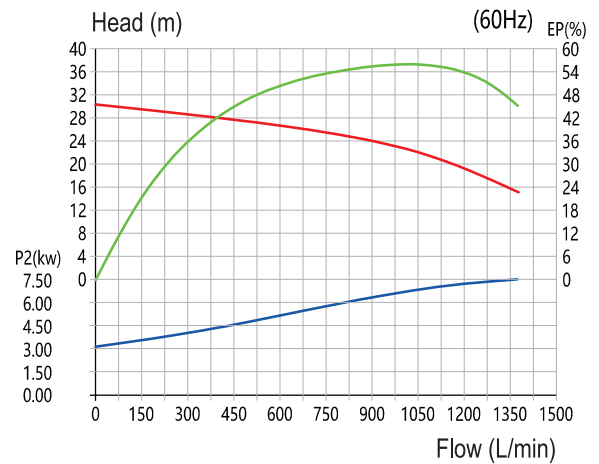
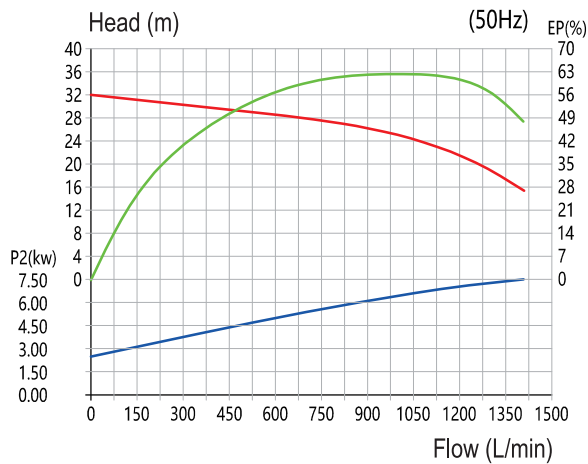
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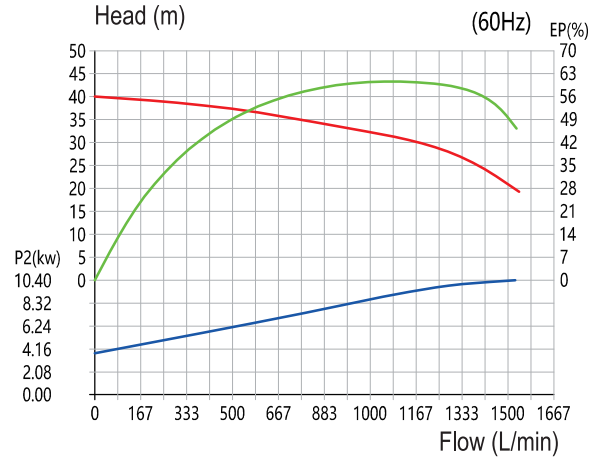
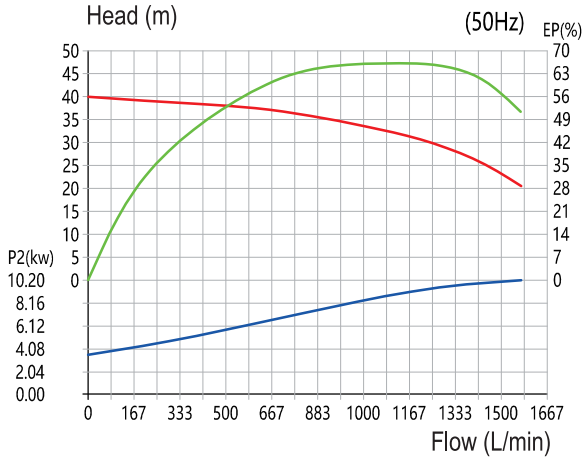
QHX-667.5



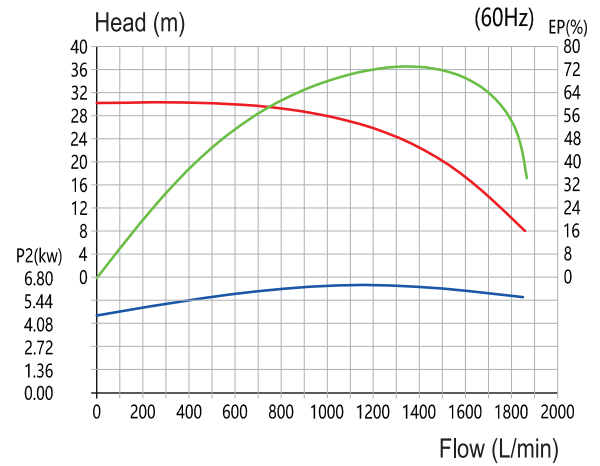
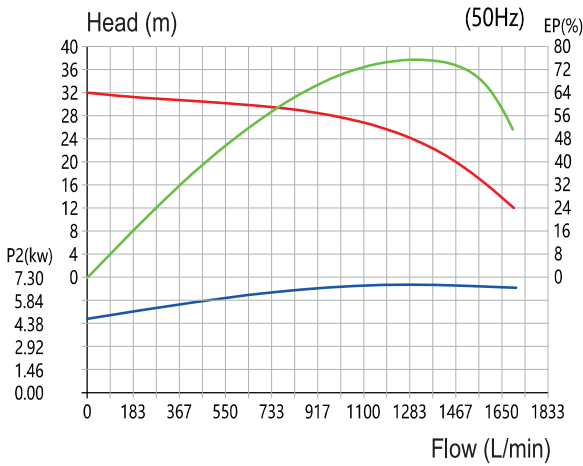
QHX-8610



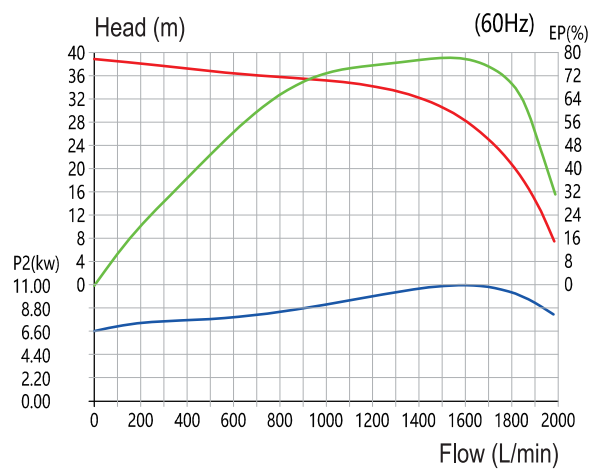
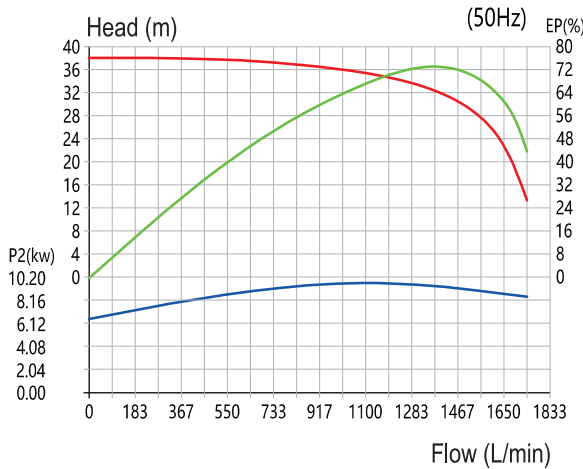
QHX-8615



QHX-10010

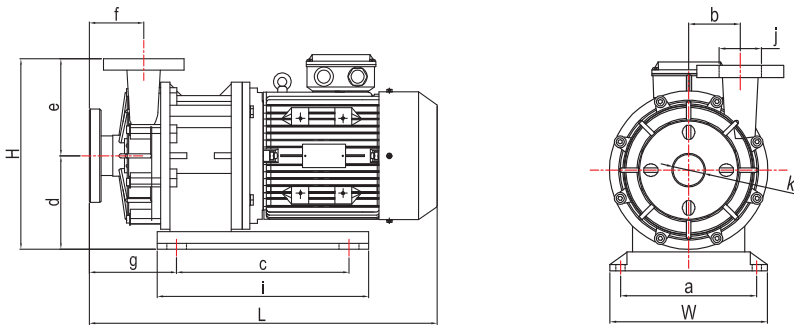


QHX-10015





Overall Dimensions

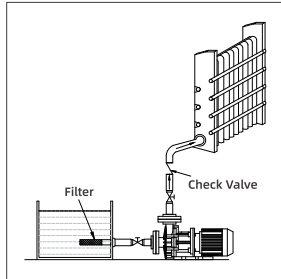


Model	H	W	a	b	c	d	e	f	g	i	j	k	L (Kingdom)
QHX-250	257	192	146	65	132	118	139	91	166	206	Ø21	Ø21	431
QHX-251	254	192	128	67	131	114	140	91	161	214	Ø21	Ø21	461
QHX-252	282	262	208	78	200	121	161	90	145	267	Ø21	Ø21	523
QHX-253	282	262	208	78	200	121	161	90	145	267	Ø21	Ø21	523
QHX-440	230	155	131	55	128	95	135	86	166	203	Ø36	Ø36	434
QHX-441	255	195	128	70	134	114	141	104	175	220	Ø36	Ø36	477
QHX-422	286	262	208	80	200	120	166	97	163	274	Ø21	Ø39	540
QHX-423	286	262	208	80	200	120	166	97	163	274	Ø21	Ø39	540
QHX-542	285	262	208	79	200	121	164	95	156	274	Ø36	Ø44	536
QHX-542H	285	262	208	79	200	121	164	95	156	274	Ø36	Ø44	536
QHX-543	285	262	208	79	200	121	164	95	156	274	Ø36	Ø44	536
QHX-543H	285	262	208	79	200	121	164	95	156	274	Ø36	Ø44	536
QHX-545	324	252	218	79	295	160	164	95	162	362	Ø36	Ø44	596
QHX-552	285	262	208	79	200	121	164	95	156	274	Ø36	Ø44	536
QHX-553	285	262	208	79	200	121	164	95	156	274	Ø36	Ø44	536
QHX-555	324	252	218	79	295	160	164	95	162	362	Ø36	Ø44	596
QHX-652	331	252	218	80	295	159	172	90	160	362	Ø44	Ø66	538
QHX-653	331	252	218	80	295	159	172	90	160	362	Ø44	Ø66	538
QHX-655	332	252	218	80	295	160	172	90	165	362	Ø44	Ø66	599
QHX-662	334	252	218	80	295	158	176	100	179	362	Ø66	Ø66	558
QHX-663	334	252	218	80	295	158	176	100	179	362	Ø66	Ø66	558
QHX-665	337	252	218	80	295	161	176	100	183	362	Ø66	Ø66	617
QHX-667.5	337	252	218	80	295	161	176	100	183	362	Ø66	Ø66	642
QHX-8610	408	318	280	-	370	196	212	115	214	495	Ø63	Ø81	775
QHX-8615	408	318	280	-	370	196	212	115	214	495	Ø63	Ø81	775
QHX-10010	469	320	282	-	367	221	248	106	216	495	Ø100	Ø100	766
QHX-10015	469	320	282	-	367	221	248	106	216	495	Ø100	Ø100	772

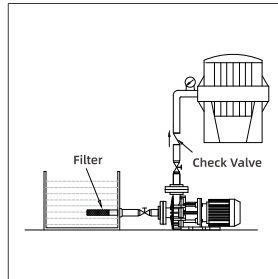
Note: This is the outline dimension drawing of PPH material.

Installation Instruction

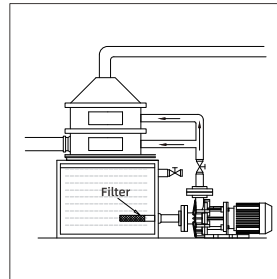
Used in heat exchangers



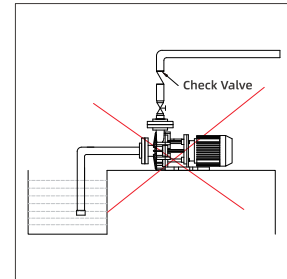
For reaction tank or filter compressor



Suitable for equipment line or scrubber



Warning: Incorrect use



Precautions For Safe Operation

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.)

Important Note!

- ① No dry running of the pump. The dry running 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.



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