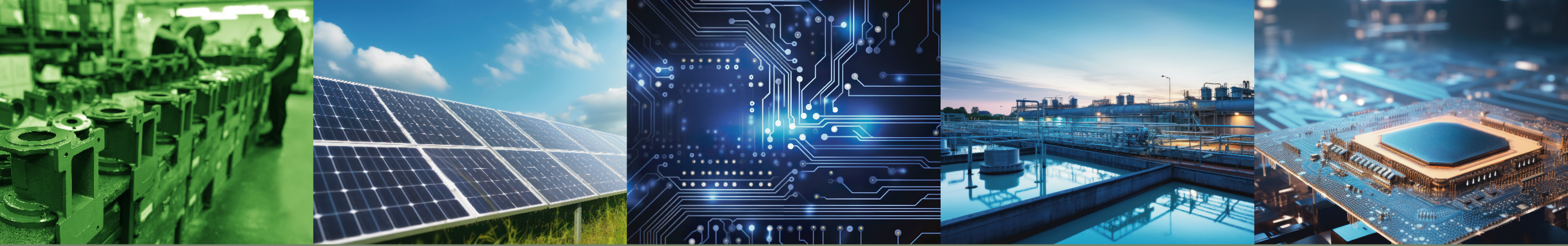
Pan World

SEALLESS MAGNETIC DRIVE PUMPS

LEADER IN LEAK-FREE TECHNOLOGY



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ABOUT PAN WORLD

Magnetic-Driven Pump Manufacturer Seeking Global Partners

Since 1992, Pan World has specialized in high-quality magnetic drive pumps, combining Japanese precision with Taiwan's efficient manufacturing. With headquarters in Japan and a production facility in Taiwan, we ensure stable, reliable products for worldwide markets.

Commitment to Quality

Quality is our priority. We source materials from Japan and assemble our pumps in Taiwan, adhering to international standards such as ISO 9001:2015, UL, JIS, and CE-EU. Our pumps are engineered to support various voltages and standardized pipe connections for global compatibility.

Fast and Reliable Delivery

Our optimized production system and inventory management enable us to fulfill orders swiftly—typically within 3 to 4 weeks—ensuring timely delivery for our customers.

Durable and Cost-Effective Solutions

Specializing in chemical-resistant applications, we offer a wide range of corrosion-resistant materials to provide durable, high-performance solutions. Our efficient design ensures competitive pricing without compromising quality.

Flexible and Customer-Oriented Service

With in-house engineering and production capabilities, we adapt quickly to market demands and customer requirements, delivering dependable products and responsive support to build long-term global partnerships.

PX Series (Glass fiber-reinforced PP)

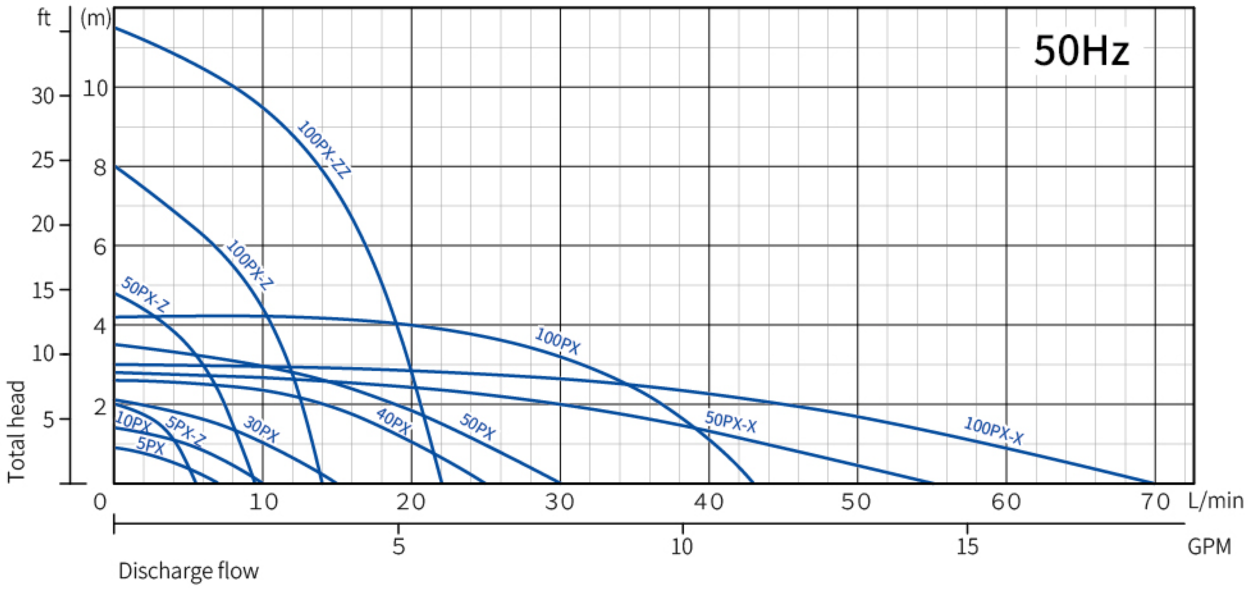
Compact Magnetic Drive Pump for OEM Applications

- Designed for OEM and general applications with 15 models available.
- Equipped with durable ceramic bearings and spindles.
- Offers hose, threaded, or union connection options.

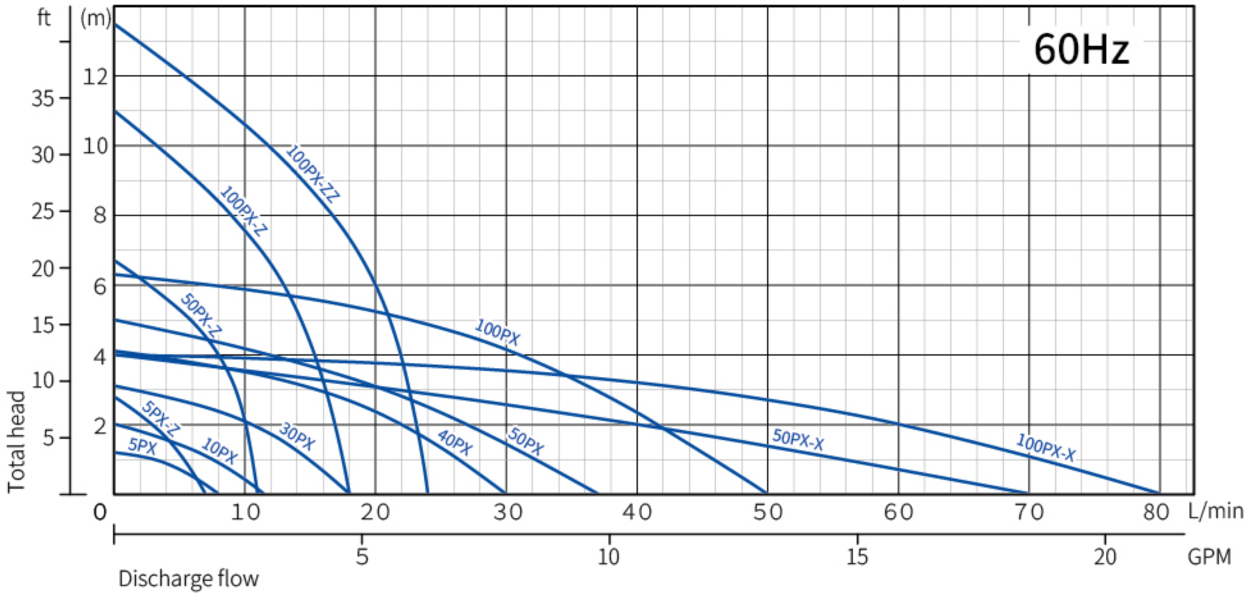
Materials in Contact : Glass fiber-reinforced PP
Max Flow : 80 L/min
Max Head : 13.5 m
Liquid Temp. : 0°C~60°C
Motor Power : 2.5 W to 65 W

Pump performance curve

Nominal speed : 2,860 r.p.m



Nominal speed : 3,400 r.p.m



PX-N Series (Natural)
PX-F Series (Carbon fiber-reinforced ETFE)

Compact Magnetic Drive Pump for Semiconductor Applications

- PVDF natural wetted-end with ceramic or SiC bearings and spindles.
- 15 models tailored for semiconductor use with standard connection options including hose, threaded, or union types.

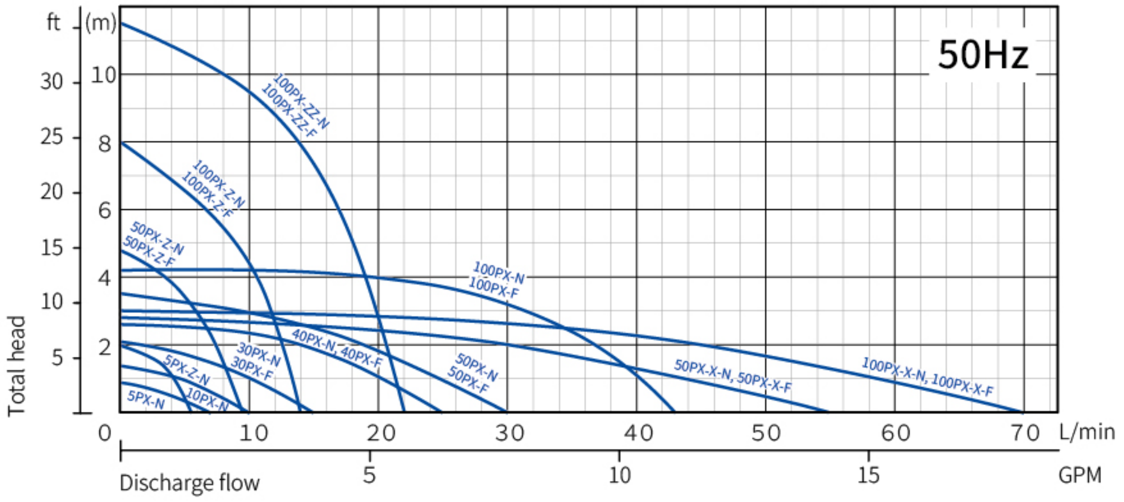
Compact Magnetic Drive Pump for Hazardous Chemical Transfer

- ETFE wetted-end for handling of hazardous chemicals.
- 9 models with hose, threaded, or union connections.

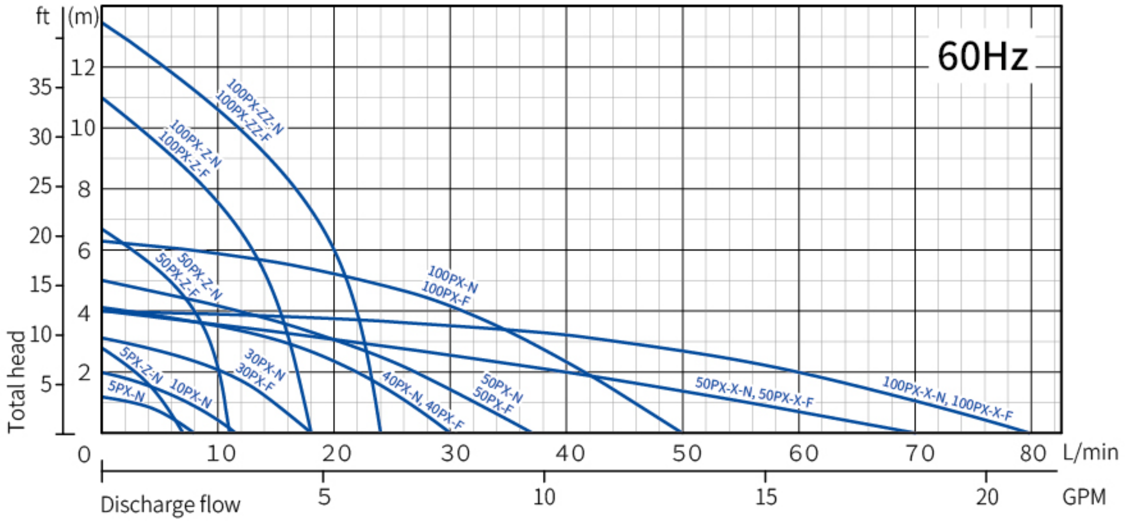
Model	PX-N	PX-F
Materials in Contact	: PVDF natural	ETFE
Max Flow	: 80 L/min	80 L/min
Max Head	: 13.5 m	13.5 m
Liquid Temp.	: 0°C~80°C	0°C~90°C
Motor Power	: 2.5 W to 65 W	10 W to 65 W

Pump performance curve

Nominal speed : 2,860 r.p.m



Nominal speed : 3,400 r.p.m



PX / PX-N / PX-F Series

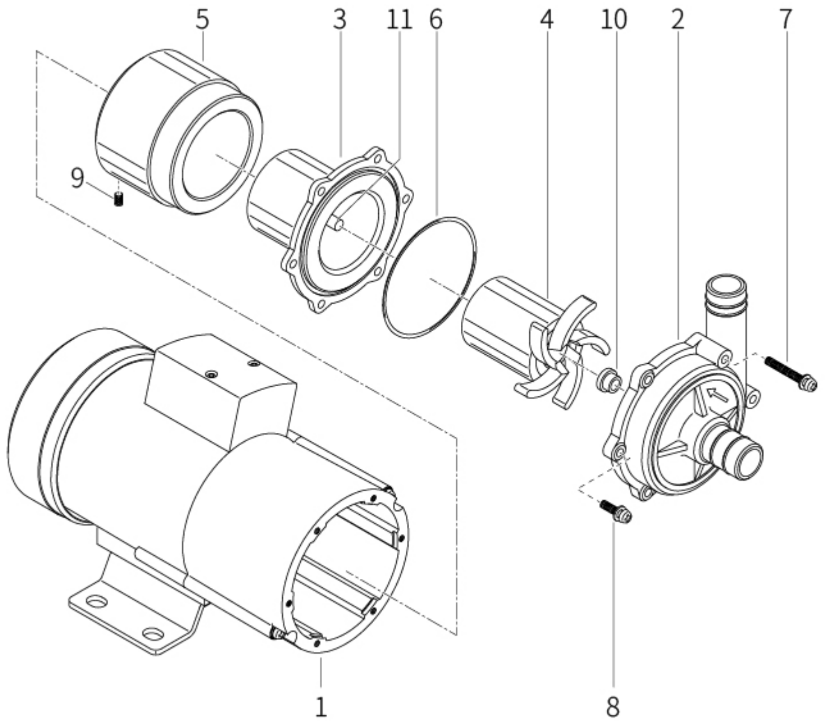
Specification table

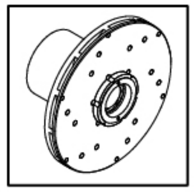
Model	Connection method			Performance (m-L/min)				Motor
	Hose (mm)	Thread (")	Union (A)	Max total head-max discharge		Specified head-specified discharge		Output x Input (W)
	In x Outlet	In x Outlet	In x Outlet	50Hz	60Hz	50Hz	60Hz	
NH-1PX / PX-N	14 X 14	G1/2x1/2	-----	0.9 - 7.0	1.2 - 8.0	0.7 - 2.6	0.8 - 4.5	2.5 - 17 / 18
NH-1PX-Z / PX-Z-N	14 X 14	G1/2x1/2	-----	2.0 - 5.5	2.8 - 7.0	1.5 - 3.0	1.5 - 4.3	5 - 20 / 21
NH-3PX / PX-N	14 X 14	G1/2x1/2	-----	1.4 - 10.0	2.0 - 11.5	1.0 - 4.8	1.0 - 7.5	5 - 19 / 20
NH-5PX / PX-N	14 X 14	G1/2x1/2	-----	0.9 - 7.0	1.2 - 8.0	0.7 - 2.6	0.8 - 4.5	2.5 - 17 / 18
NH-5PX-Z / PX-Z-N	14 X 14	G1/2x1/2	-----	2.0 - 5.5	2.8 - 7.0	1.5 - 3.0	1.5 - 4.3	5 - 20 / 21
NH-10PX / PX-N	14 X 14	G1/2x1/2	-----	1.4 - 10.0	2.0 - 11.5	1.0 - 4.8	1.0 - 7.5	5 - 19 / 20
NH-30PX / PX-N / PX-F	14 X 14	G3/4x3/4	16 X 16	2.1 - 15.0	3.1 - 18.0	1.5 - 7.0	1.5 - 13.0	10 - 29 / 30
NH-40PX / PX-N / PX-F	18 x 18	G3/4x3/4	16 X 16	2.6 - 25.0	4.1 - 30.0	2.0 - 14.0	2.0 - 22.0	20 - 40 / 45
NH-50PX-Z / PX-Z-N / PX-Z-F	18 x 18	G3/4x3/4	16 X 16	4.8 - 9.5	6.7 - 11.0	4.0 - 3.5	4.0 - 8.0	20 - 40 / 55
NH-50PX / PX-N / PX-F	20 X 20	G3/4x3/4	16 X 16	3.5 - 30.0	5.0 - 37.0	2.5 - 15.0	2.5 - 24.0	45 - 65 / 90
NH-50PX-X / PX-X-N / PX-X-F	26 X 26	G1x1	20 X 20	2.8 - 55.0	4.0 - 70.0	2.0 - 30.0	2.0 - 40.0	45 - 65 / 80
NH-100PX-Z / PX-Z-N / PX-Z-F	18 X 18	G3/4x3/4	16 X 16	8.0 - 14.0	11.0 - 18.0	5.0 - 9.0	6.0 - 13.0	45 - 80 / 95
NH-100PX / PX-N / PX-F	20 X 20	G3/4x3/4	16 X 16	4.2 - 43.0	6.3 - 50.0	4.0 - 20.0	4.0 - 31.0	65 - 90 / 120
NH-100PX-X / PX-X-N / PX-X-F	26 x 26	G1x1	20 X 20	3.0 - 70.0	4.0 - 80.0	2.0 - 45.0	2.0 - 60.0	65 - 120 / 165
NH-100PX-ZZ / PX-ZZ-N / PX-ZZ-F	20 x 20	G3/4x3/4	16 X 16	11.5 - 22.0	13.5 - 24.0	9.5 - 10.0	6.0 - 20.0	65 - 140 / 200

Z: Closed impeller

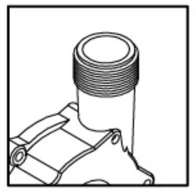
Note: NPT thread is available.

Parts List




Closed impeller


Hose


Thread

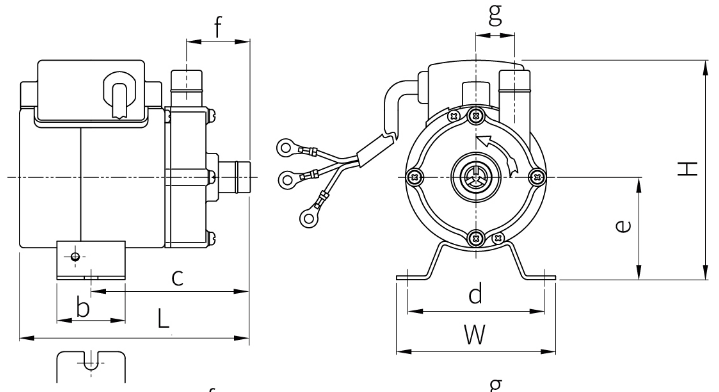
Position	Description
1	Motor
2	Front casing
3	Rear casing
4	Impeller vane
5	Outer drive ring
6	O. Ring

Position	Description
7	Screw, cross recess head w/t plain washer (x2)
8	Screw, cross recess head w/t plain washer (x4)
9	Set screw (x2)
10	Front thrust pad
11	Spindle

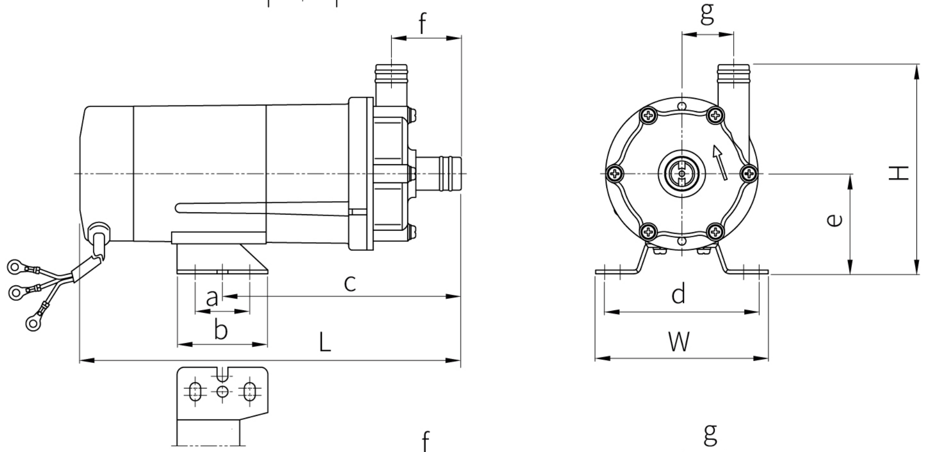
PX / PX-N / PX-F Series

Installation dimension

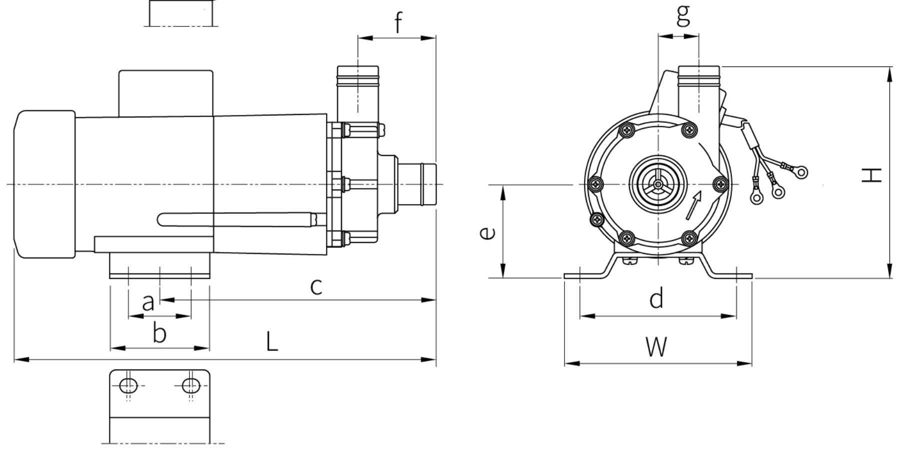
NH-1PX / PX-N
NH-1PX-Z / PX-Z-N
NH-3PX / PX-N
NH-5PX / PX-N
NH-5PX-Z / PX-Z-N
NH-10PX / PX-N



NH-30PX
NH-30PX-N / PX-F
NH-40PX
NH-40PX-N / PX-F
NH-50PX-Z
NH-50PX-Z-N / PX-Z-F



NH-50PX
NH-50PX-N / PX-F
NH-50PX-X
NH-50PX-X-N / PX-X-F
NH-100PX-Z
NH-100PX-Z-N / PX-Z-F
NH-100PX
NH-100PX-N / PX-F
NH-100PX-X
NH-100PX-X-N / PX-X-F
NH-100PX-ZZ
NH-100PX-ZZ-N / PX-ZZ-F



Model	W	H	L	a	b	c	d	e	f	g
NH-1PX / PX-N	70	95	101.5	-	30	70	60	45	28	17
NH-1PX-Z / PX-Z-N	70	95	101.5	-	30	70	60	45	28	17
NH-3PX / PX-N	70	95	101.5	-	30	70	60	45	28	17
NH-5PX / PX-N	74	92	145	-	30	73	60	45	31	17
NH-5PX-Z / PX-Z-N	74	92	145	-	30	73	60	45	31	17
NH-10PX / PX-N	74	92	145	-	30	73	60	45	31	17
NH-30PX / PX-N / PX-F	95	115	197.5	30	50	117	85	55	39	21.5
NH-40PX / PX-N / PX-F	95	115	210	30	50	131.5	85	55	38.5	28.5
NH-50PX-Z / PX-Z-N / PX-Z-F	95	125	226	30	50	134	85	55	39.5	38.5
NH-50PX / PX-N / PX-F	120	130	247	40	64	169	100	60	48	31
NH-50PX-X / PX-X-N / PX-X-F	120	135	254.5	40	64	176.5	100	60	50	26
NH-100PX-Z / PX-Z-N / PX-Z-F	120	130	236	40	64	152	100	60	39.5	38.5
NH-100PX / PX-N / PX-F	120	130	262	40	64	169	100	60	48	31
NH-100PX-X / PX-X-N / PX-X-F	120	135	269.5	40	64	176.5	100	60	50	26
NH-100PX-ZZ / PX-ZZ-N / PX-ZZ-F	120	150	243.5	40	64	160	100	60	38.5	44.5

Note : Over all size & construction may be changed without notice.

Unit : mm

PX-D Series (Glass-filled Polypropylene)
PX-D-N Series (PVDF Natural)
PX-D-F Series (Carbon Fiber-filled ETFE)

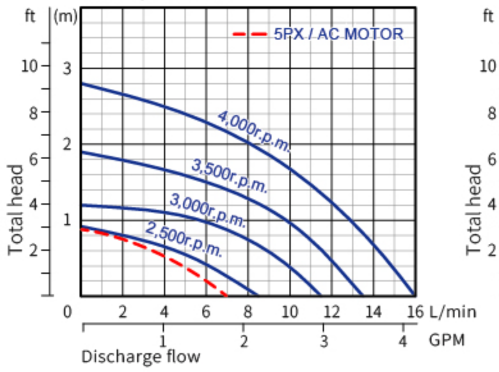
Magnetic Drive Pump with computer-controlled DC brushless motor, available in fixed-speed and variable-speed options.

- Features a DC brushless motor with variable speed control.
- Available in PP, PVDF, and ETFE materials.
- Accepts 1-10V input for constant flow and pressure control.
- More efficient than AC motors and space-saving.

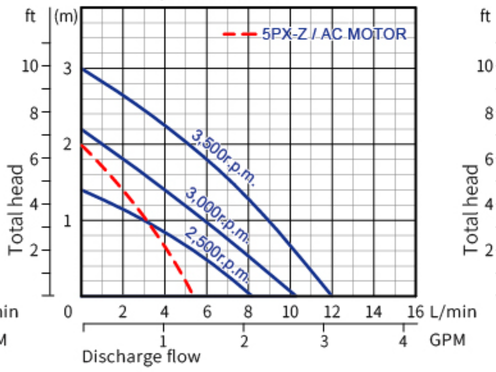
Model	PX-D	PX-D-N	PX-D-F
Materials in Contact	: Glass-filled Polypropylene	PVDF natural	Carbon Fiber-filled ETFE
Max Flow	: 30 L/min	30 L/min	30 L/min
Max Head	: 5 m	5 m	5 m
Liquid Temp.	: 0°C~60°C	0°C~80°C	0°C~90°C
Motor Power	: DC12V, DC24V	DC12V, DC24V	DC12V, DC24V

Pump performance curve

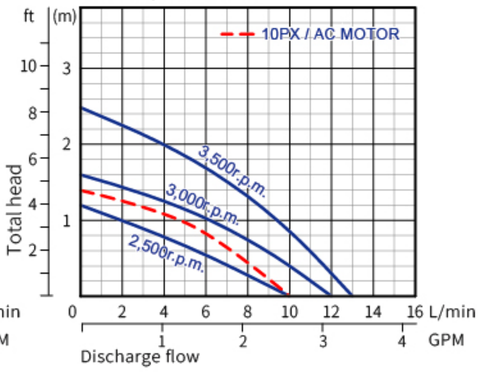
5PX-D / 5PX-D-N



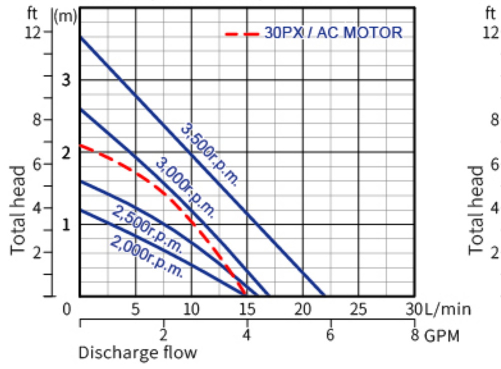
5PX-Z-D / 5PX-Z-D-N



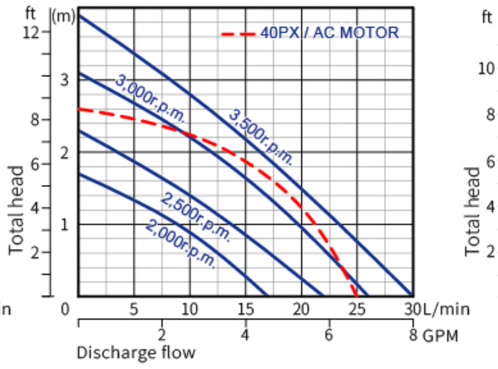
10PX-D / 10PX-D-N



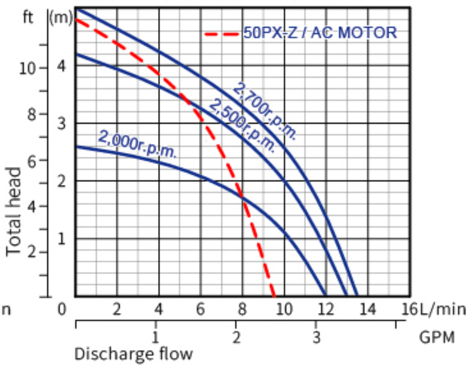
30PX-D / 30PX-D-N / 30PX-D-F



40PX-D / 40PX-D-N / 40PX-D-F



50PX-Z-D / 50PX-Z-D-N / 50PX-Z-D-F



Note: Broken line indicates pump performance of PX Series with AC motor.

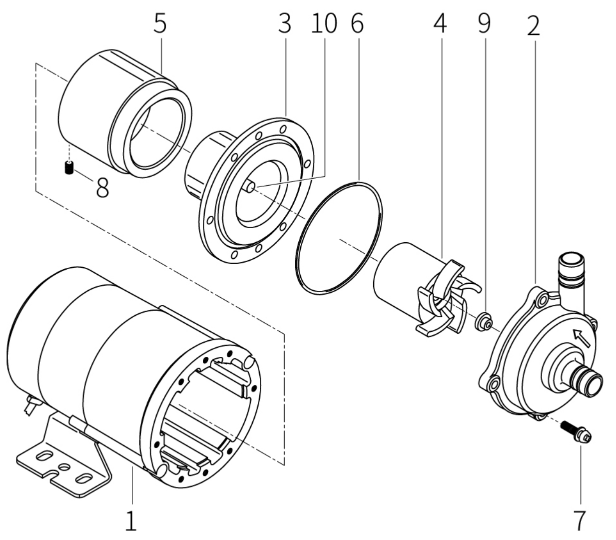
Specification table

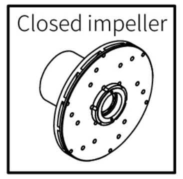
Model	Connection method			Performance (m-L/min)				
Wetted end	Hose (mm)	Thread (”)	Union (A)	Max total head-max discharge				
Polypropylene / PVDF / ETFE	In x Outlet	In x Outlet	In x Outlet	2,000r.p.m	2,500r.p.m	3,000r.p.m	3,500r.p.m	4,000r.p.m
NH-5PX-D / PX-D-N	14 X 14	G1/2x1/2	-----	-----	0.9 - 8.5	1.2 - 11.5	1.9 - 13.5	2.8 - 16.0
NH-10PX-D / PX-D-N	14 X 14	G1/2x1/2	-----	-----	1.2 - 10.0	1.6 - 12.0	2.5 - 13.0	-----
NH-5PX-Z-D / PX-Z-D-N	14 X 14	G1/2x1/2	-----	-----	1.4 - 8.0	2.2 - 10.0	3.0 - 12.0	-----
NH-30PX-D / PX-D-N / PX-D-F	14 X 14	G3/4x3/4	16 X 16	1.2 - 15.0	1.6 - 16.0	2.6 - 17.0	3.6 - 22.0	-----
NH-40PX-D / PX-D-N / PX-D-F	18 x 18	G3/4x3/4	16 X 16	1.7 - 17.0	2.3 - 22.0	3.1 - 26.0	3.9 - 30.0	-----
NH-50PX-Z-D / PX-Z-D-N / PX-Z-D-F	18 x 18	G3/4x3/4	16 X 16	2.6 - 12.0	4.2 - 13.0	5.0 - 13.5	-----	-----

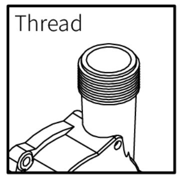
Z: Closed impeller

Note: NPT thread is available.

Parts List

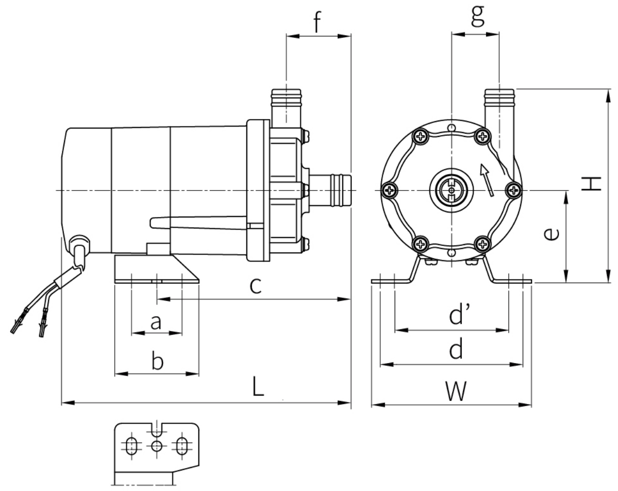






Position	Description
1	Motor
2	Front casing
3	Rear casing
4	Impeller vane
5	Outer drive ring
6	O. Ring
7	Screw, cross recess head w/t plain washer (x4)
8	Set screw (x2)
9	Front thrust pad
10	Spindle

Installation dimension



Note :
Over all size & construction may be changed without notice.

Model	W	H	L	a	b	c	d	d’	e	f	g
NH-5PX-D NH-5PX-D-N	74	92	104.5	-	30	72	60	-	45	31	17
NH-10PX-D NH-10PX-D-N	74	92	104.5	-	30	72	60	-	45	31	17
NH-5PX-Z-D NH-5PX-Z-D-N	74	92	104.5	-	30	72	60	-	45	31	17
NH-30PX-D NH-30PX-D-N NH-30PX-D-F	95	115	169.5	30	50	113	85	68	55	39	21.5
NH-40PX-D NH-40PX-D-N NH-40PX-D-F	95	115	172	30	50	115.5	85	68	55	38.5	28.5
NH-50PX-Z-D NH-50PX-Z-D-N NH-50PX-Z-D-F	95	125	188	30	50	131.5	85	68	55	39.5	38.5

Unit : mm

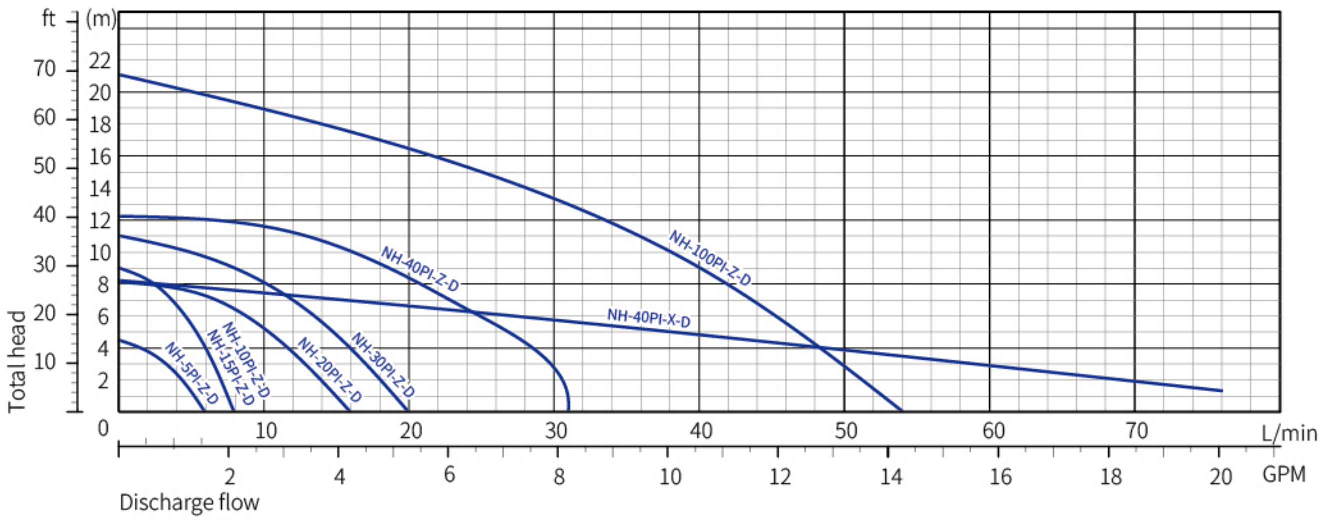
PI-Z-D Series

Magnetic Drive Pump with computer-controlled DC brushless motor, available in fixed-speed and variable-speed options.

- Equipped with a DC brushless motor, printed circuit board, and variable speed controller.
- Accepts external 1-10V for maintaining constant flow and pressure.
- Offers double the motor efficiency compared to AC motors with a compact design.

Materials in Contact	: Glass fiber-reinforced PP
Max Flow	: 76 L/min
Max Head	: 21.1 m
Liquid Temp.	: 0°C~60°C
Motor Power	: DC12V, DC24V

Pump performance curve

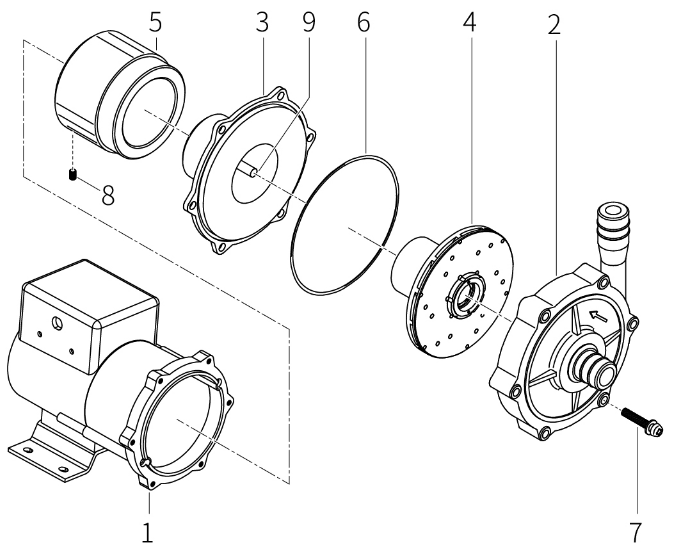


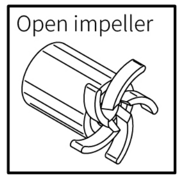
Specification table

Model	Connection method		Max flow L/min(GPM)	Max head m(ft)	Motor		
	Hose (mm)	Thread (")			Power(V)	Output × Input(W)	Speed(r.p.m)
	In x Outlet	In x Outlet					
NH-5PI-Z-D	14 X 8	--	6 (1.6)	4.5 (14.8)	DC24V, DC12V	8 × 13	3,700
NH-10PI-Z-D	14 X 8	--	8 (2.2)	9 (29)	DC24V	18 × 30	5,500
NH-15PI-Z-D	18 x 8	G3/4 x G3/4	8 (2.2)	9 (29)	DC24V	20 × 45	3,200
NH-20PI-Z-D	18 X 18	G3/4 x G3/4	16 (4.2)	8.2 (27)	DC24V	30 × 55	3,000
NH-30PI-Z-D	18 X 18	G3/4 x G3/4	20 (5.4)	11 (36)	DC24V	45 × 65	3,300
NH-40PI-Z-D	20 X 20	G3/4 x G3/4	31 (8.2)	12.4 (40.7)	DC24V, DC12V	72 × 85	3,500
NH-40PI-X-D	26 x 26	G1 x G1	76 (20.1)	8.2 (26.9)	DC24V	72 × 85	3,500
NH-100PI-Z-D	20 x 16	--	54 (14.3)	21.1 (69.2)	DC24V	220 × 331	3,500

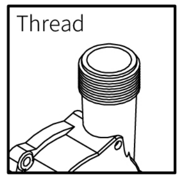
Z: Closed impeller

Parts List




Open impeller

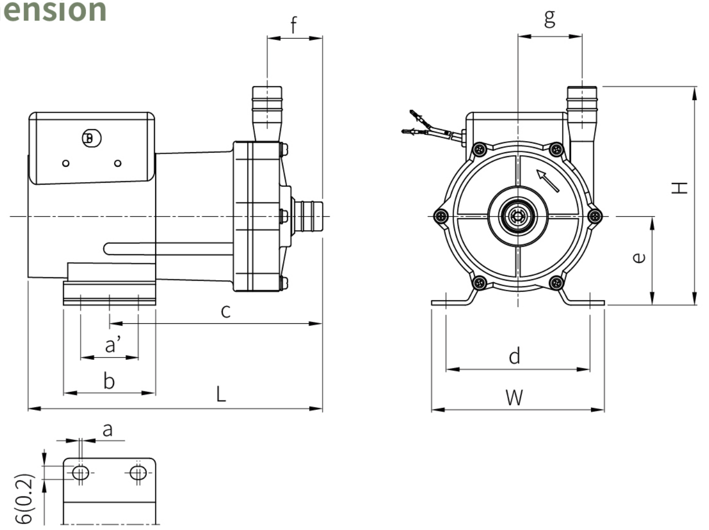

Hose


Thread

Position	Description
1	Motor
2	Front casing
3	Rear casing
4	Impeller ass'y
5	Outer drive ring

Position	Description
6	O. Ring
7	Screw, cross recess head w/t plain washer (x6)
8	Set screw (x2)
9	Spindle

Installation dimension



Model	W	H	L	a	a'	b	c	d	e	f	g
NH-5PI-Z-D	74 (2.91)	90 (3.54)	100 (3.94)	0 (0)	-	30 (1.2)	67.5 (2.66)	60 (2.36)	45 (1.77)	26.5 (1.04)	21 (0.83)
NH-10PI-Z-D	74 (2.91)	90 (3.54)	100 (3.94)	0 (0)	-	30 (1.2)	67.5 (2.66)	60 (2.36)	45 (1.77)	26.5 (1.04)	21 (0.83)
NH-15PI-Z-D	112 (4.41)	119 (4.69)	118 (4.65)	2 (0.08)	-	30 (1.2)	75 (2.95)	97 (3.82)	49 (1.93)	31 (1.22)	36 (1.42)
NH-20PI-Z-D	112 (4.41)	119 (4.69)	118 (4.65)	2 (0.08)	-	30 (1.2)	75 (2.95)	97 (3.82)	49 (1.93)	31 (1.22)	36 (1.42)
NH-30PI-Z-D	112 (4.41)	119 (4.69)	123 (4.84)	2 (0.08)	-	30 (1.2)	75 (2.95)	97 (3.82)	49 (1.93)	31 (1.22)	36 (1.42)
NH-40PI-Z-D	120 (4.72)	150 (5.91)	204.5 (8.05)	2 (0.08)	40 (1.57)	64 (2.52)	148 (5.83)	100 (3.94)	60 (2.36)	38.5 (1.52)	44.5 (1.75)
NH-40PI-X-D	120 (4.72)	140.5 (5.53)	221 (8.7)	2 (0.08)	40 (1.57)	64 (2.52)	164.5 (6.48)	100 (3.94)	60 (2.36)	50 (1.97)	30 (1.18)
NH-100PI-Z-D	90 (3.54)	152 (5.98)	242.2 (9.54)	4 (0.16)	32 (1.26)	70 (2.76)	-	73 (2.87)	62 (2.44)	41 (1.61)	52.3 (2.06)

Note : Over all size & construction may be changed without notice.

Unit : mm (inch)

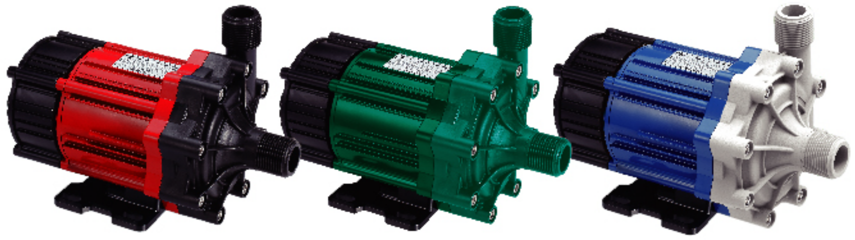
NEW PRODUCT

PS-D Series (Glass filled polypropylene)

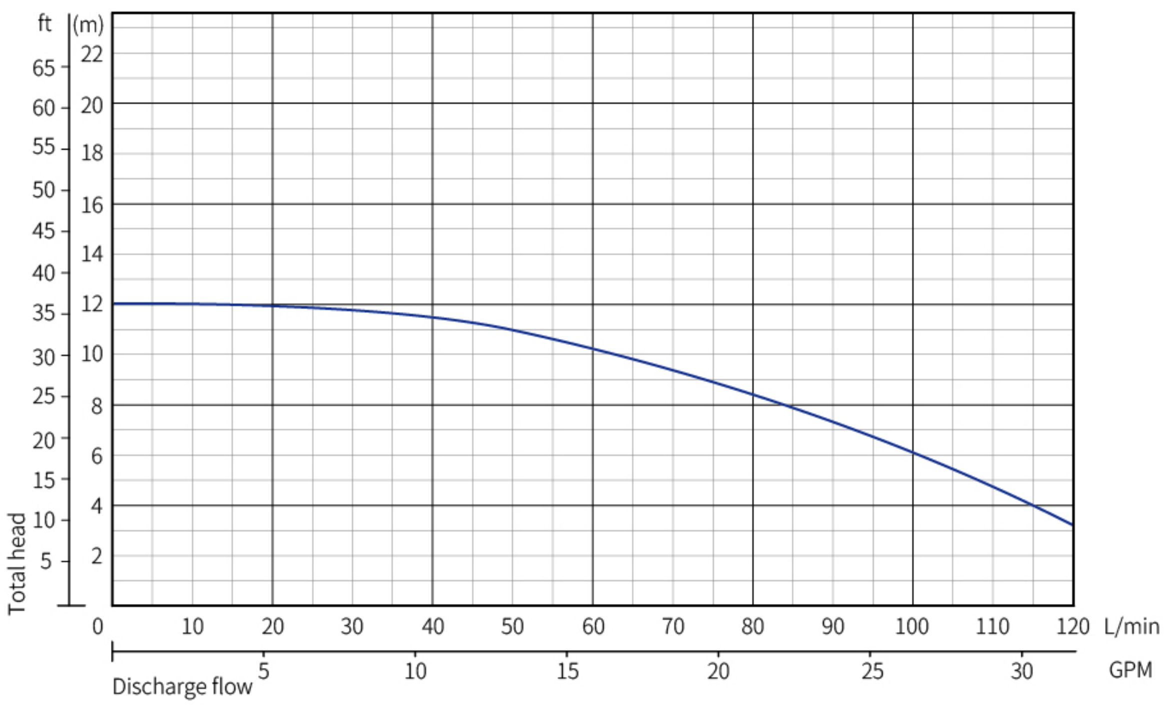
High Performance Pump with Brushless DC motor

- Motor efficiency is better than AC type and more energy saving.
- Max up to 120 L/min & 12 m.
- Able to handle many types of chemical and temperature up to 60°C.
- With external 1-10 V variable speed control.
- Available in hose, thread connections.
- Customized specification available.

Materials in Contact	: Glass filled polypropylene
Max Flow	: 120 L/min
Max Head	: 12 m
Liquid Temp.	: 0°C~60°C
Motor Power	: DC 48V



Pump performance curve

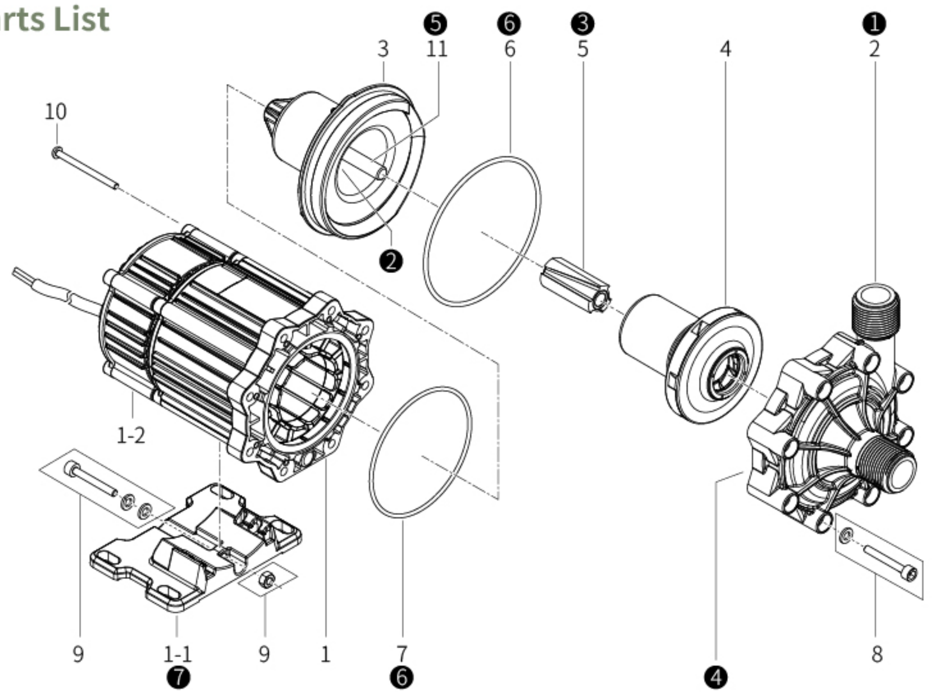


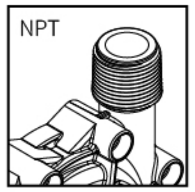
Specification table

Model	Connection method			Performance (m-L/min)		Motor	
Wetted end	Hose (mm)	Thread (")	Union (A)	Max total head-max discharge	Specified head-specified discharge	Power(V)	Speed(r.p.m)
Polypropylene	In x Outlet	In x Outlet	In x Outlet				
NH-250PS-D	26 X 26	G1 x G1	20 X 20	12 - 120	10.9 - 50.0	DC 48V	3260

Note: NPT thread is available.

Parts List



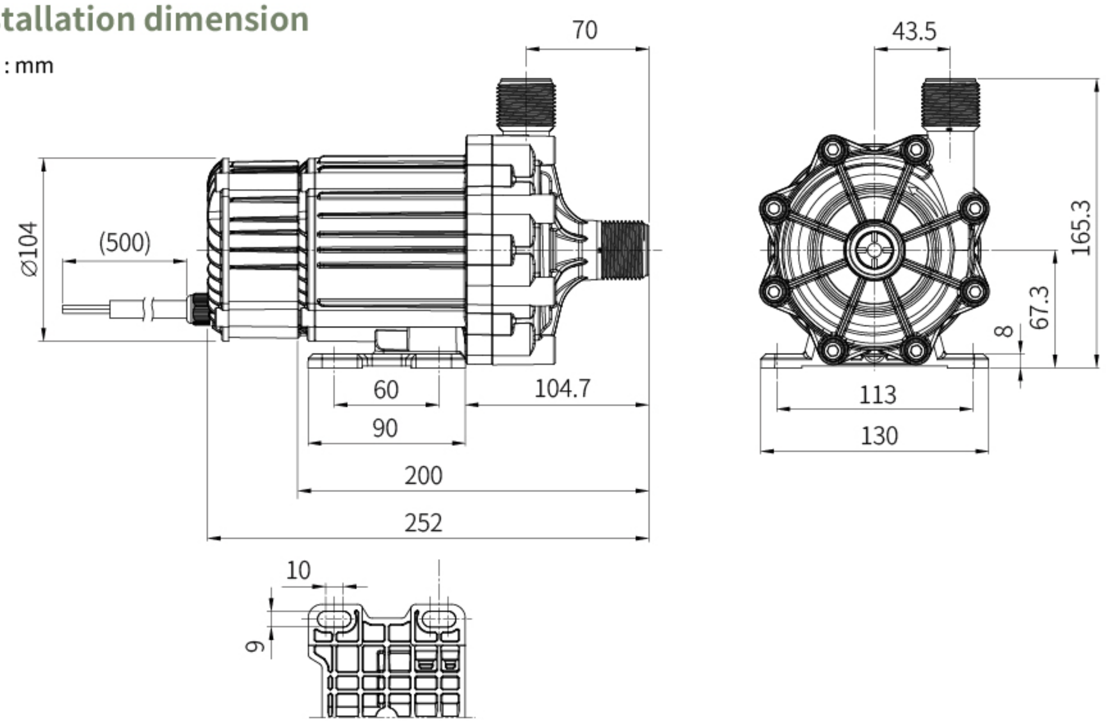


Position	Description
1	Motor
1-1	Foot
1-2	Capacitor
2	Front casing
3	Rear casing
4	Impeller ass'y
5	Bearing ass'y
6	O. Ring
7	O. Ring
8	Hexagon socket bolt w/t plain washer M6x40(x8)
9	Hexagon socket bolt w/t plain washer w/t nut M6x40
10	Screw,cross recoss head M4x60 (x4)
11	Spindle

Part name	250PS-D
❶ **Casing**	PPG
❷ **Holder**	Ceramic
❸ **Bearing**	Rulon
❹ **Thrust pad**	Ceramic
❺ **Spindle**	
❻ **O Ring**	FKM
❼ **Foot**	PPG

Installation dimension

Unit : mm



PS Series (PPG)

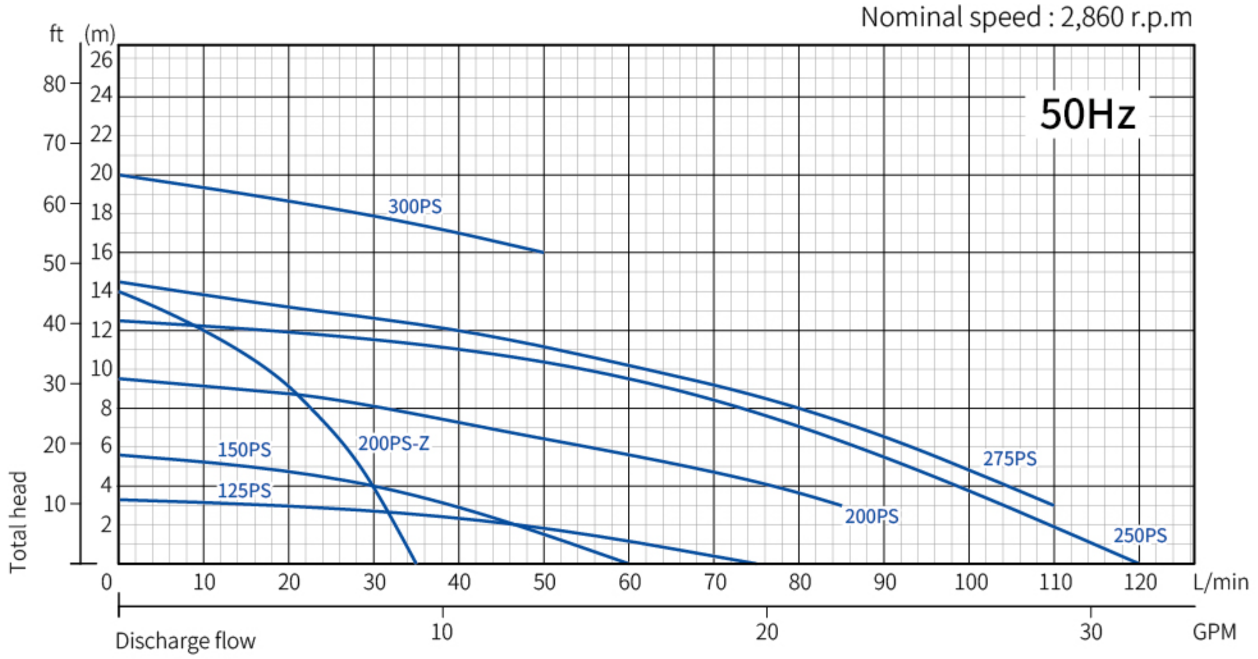
General Purpose Magnetic Drive Pumps

- Ideal for OEM and general applications.
- Available in 13 models with hose, threaded, or flange connection options.
- Constructed with cost-effective PP wetted-end material.

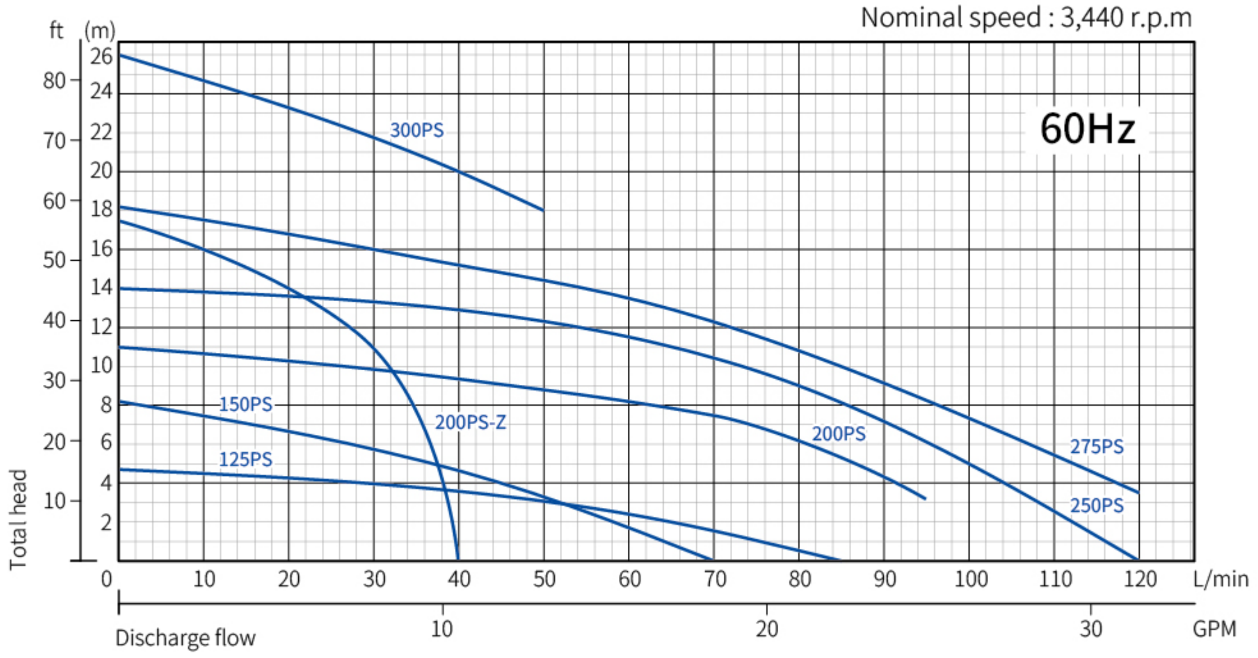
Materials in Contact : PPG
Max Flow : 120 L/min
Max Head : 26 m
Liquid Temp. : 0°C~70°C
Motor Power : 65 W to 330 W, JEM-0.2 kW

Pump performance curve

Nominal speed : 2,860 r.p.m



Nominal speed : 3,440 r.p.m



PS-F Series (ETFE)

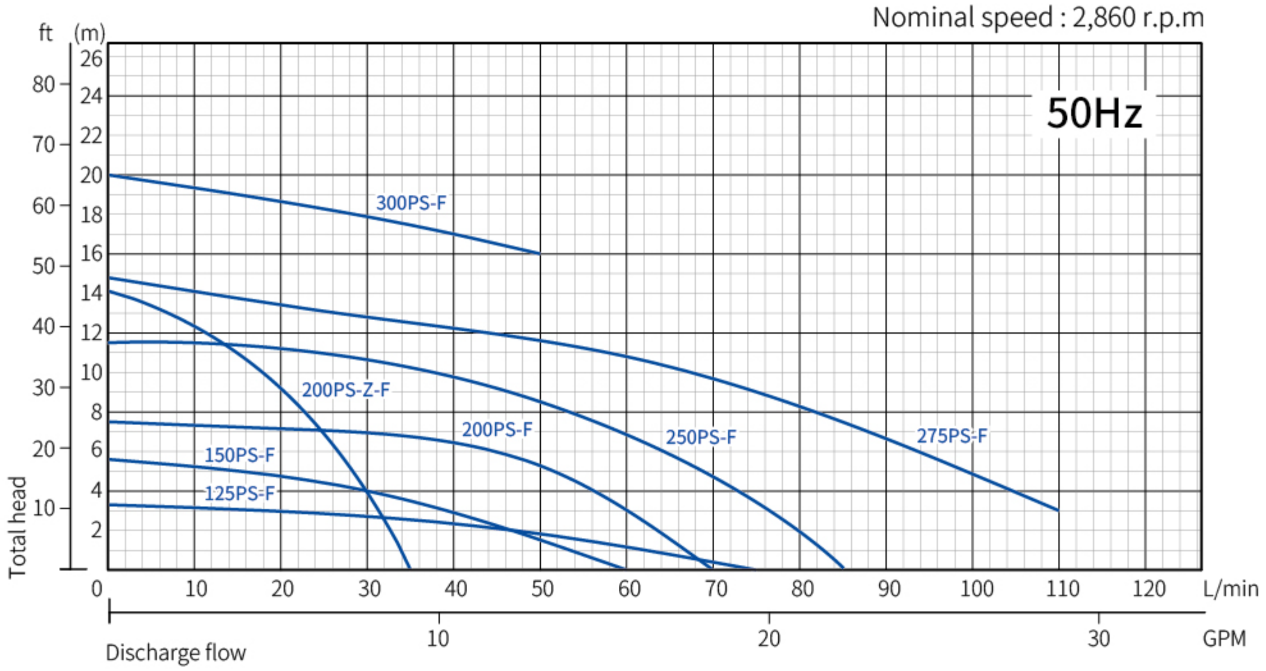
Magnetic Drive Pumps for Hazardous Chemical Transfer

- Designed with ETFE wetted-end material for designed for hazardous chemical transfer, with 13 models available.
- Offers 13 models with hose, threaded, or flange connection options.

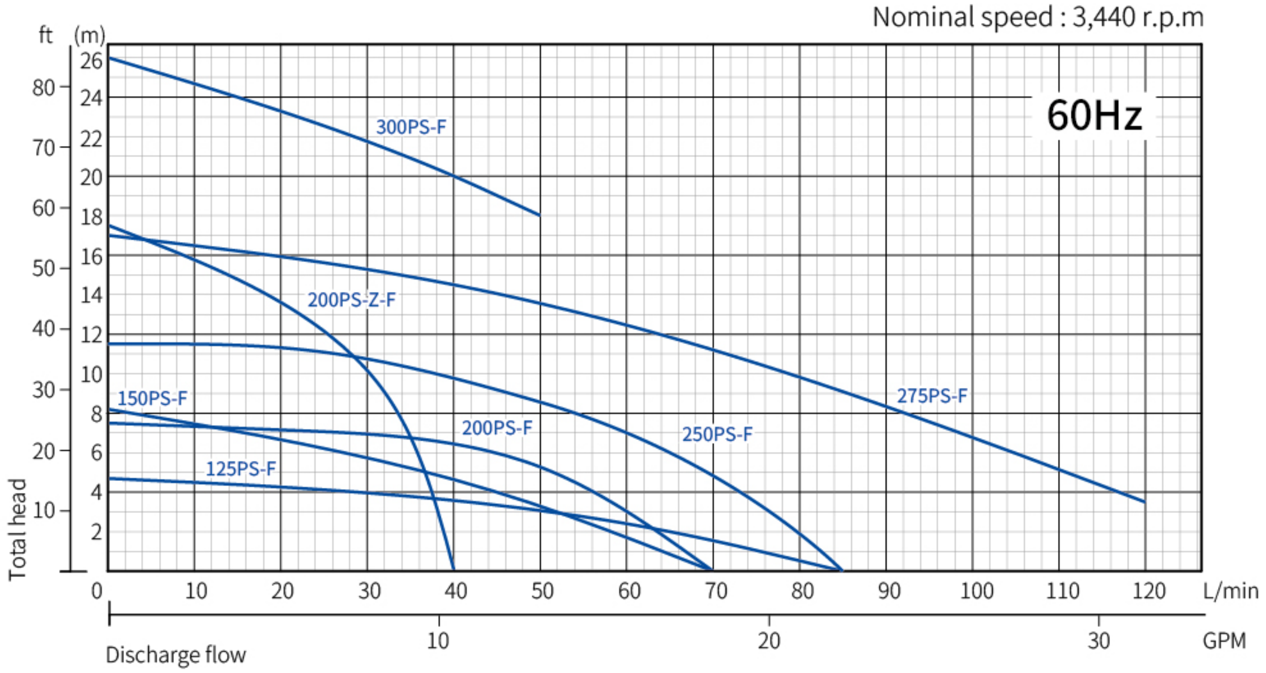
Materials in Contact : ETFE
Max Flow : 120 L/min
Max Head : 26 m
Liquid Temp. : 0°C~90°C
Motor Power : 65 W to 330 W, JEM-0.2 kW

Pump performance curve

Nominal speed : 2,860 r.p.m



Nominal speed : 3,440 r.p.m



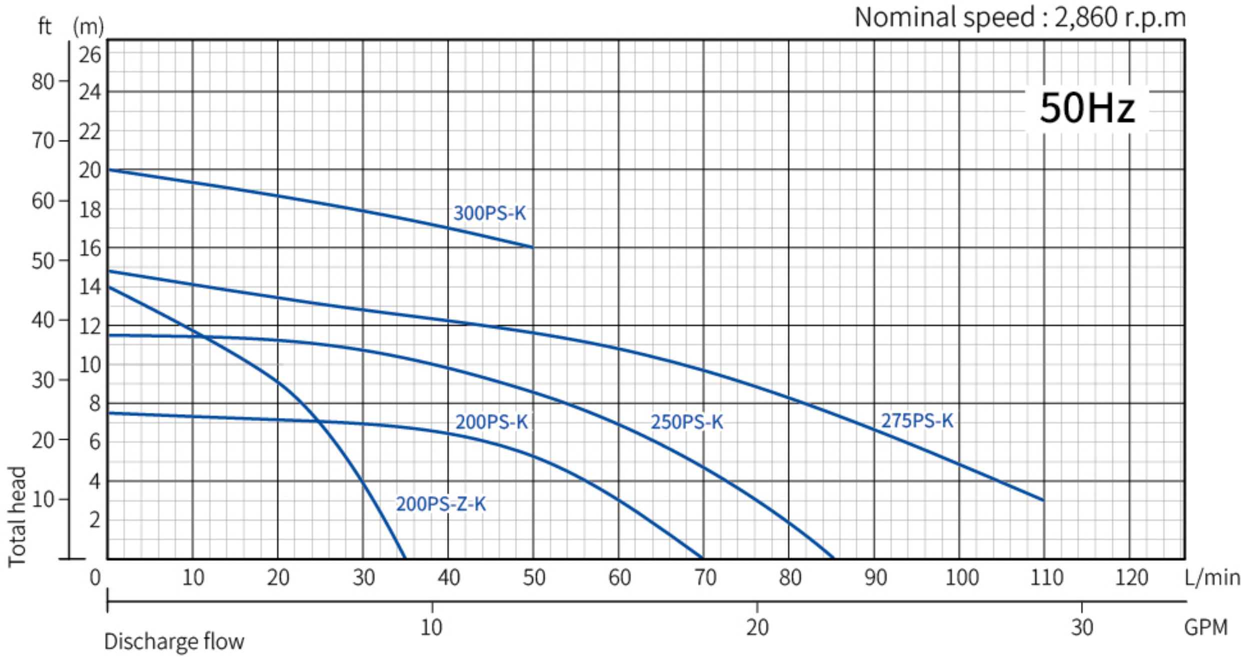
PS-K Series (Fluorine Resin)

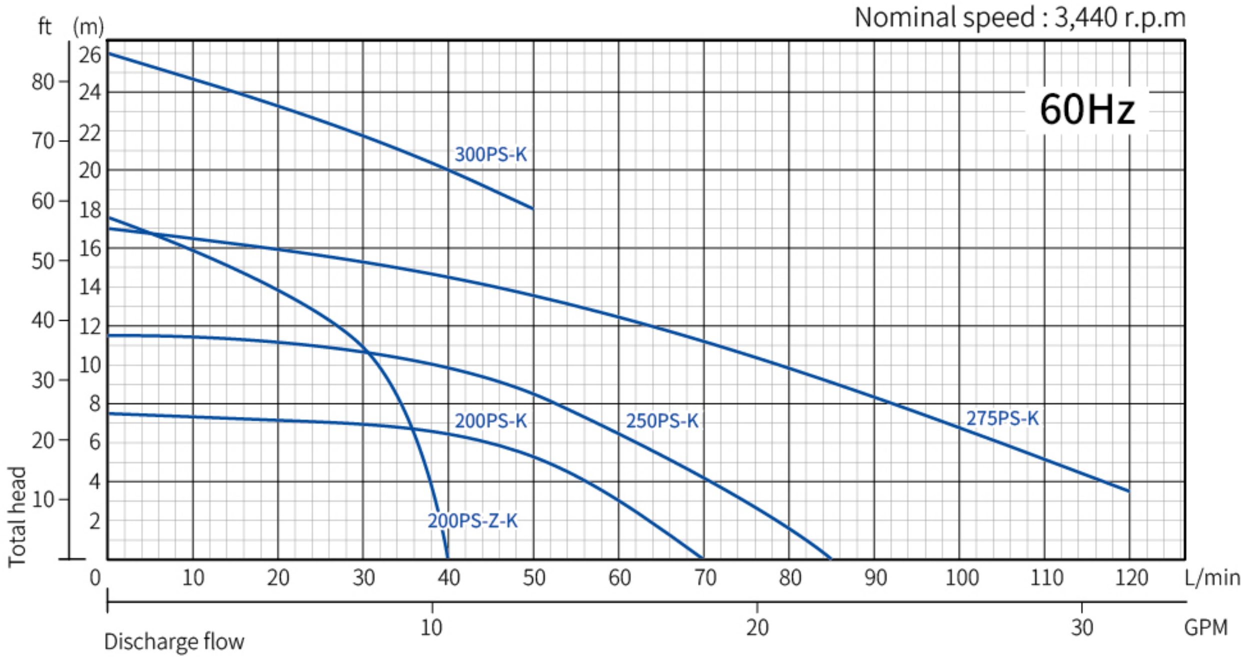
Magnetic Drive Pumps with Fluorine Resin Construction

- Constructed with precision injection-molded fluorine resin for enhanced chemical resistance.
- Capable of handling a wide variety of chemicals.
- Available with hose, threaded, or flange connections for flexible installation.

Materials in Contact : PVDF
Max Flow : 120 L/min
Max Head : 26 m
Liquid Temp. : 0°C~80°C
Motor Power : 180 W to 330 W, JEM-0.2 kW

Pump performance curve





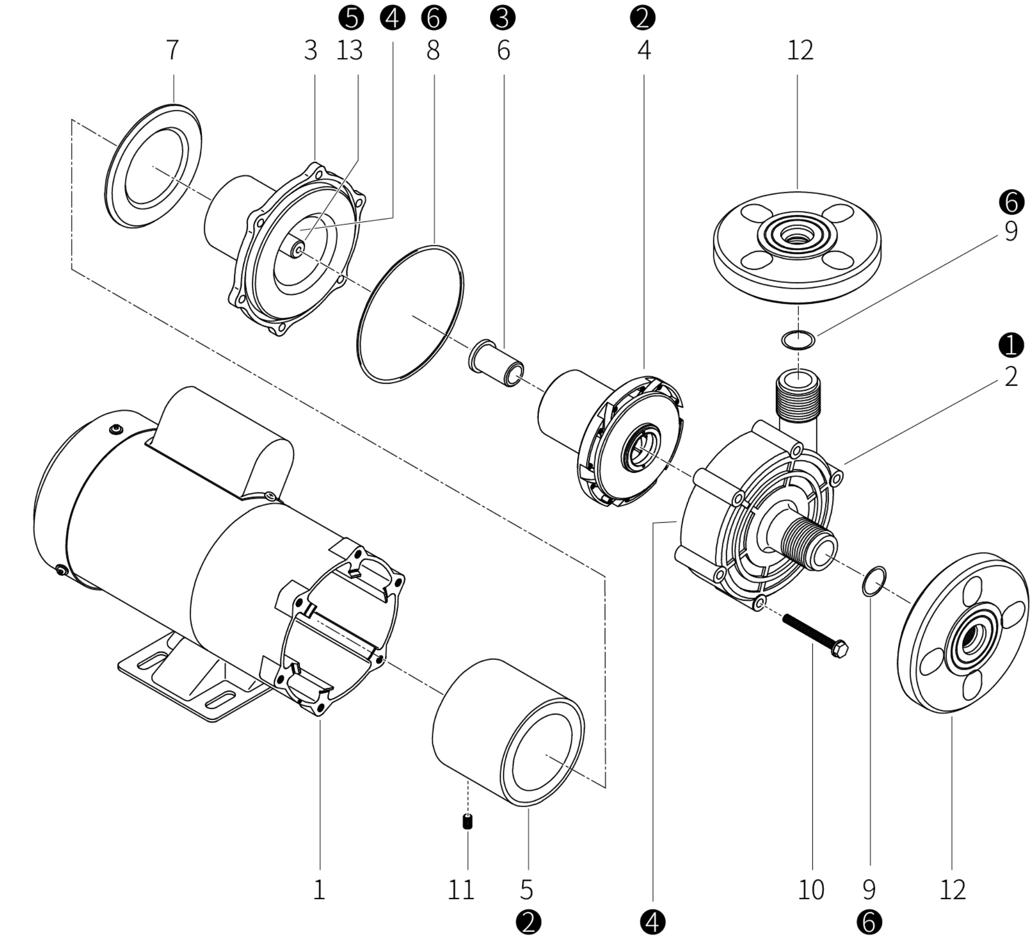
PS / PS-F / PS-K Series

Specification table

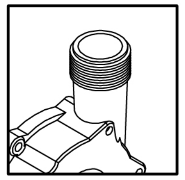
Model	Connection method				Performance (m-L/min)				Motor
	Hose (mm)	Thread (")	Union (A)	Flange (A)	Max total head -max discharge		Specified dead -specified discharge		Output x Input (W)
	In x Outlet	In x Outlet	In x Outlet	In x Outlet	50Hz	60Hz	50Hz	60Hz	
NH-125PS / PS-F	26 x 26	NPT1×1,G1X1	20 X 20	-----	3.3 - 75	4.7 - 85	2 - 47	2 - 65	65 - 90/130
NH-150PS / PS-F	26 x 26	NPT1×1,G1X1	20 X 20	25 X 25	5.6 - 60	8.2 - 70	4 - 30	4 - 45	90 - 130/180
NH-150PS-3J / PS-F-3J	26 x 26	NPT1×1,G1X1	20 X 20	25 X 25	5.6 - 60	8.2 - 70	4 - 30	4 - 45	90 - 130/180
NH-200PS-Z / PS-Z-F / PS-Z-K	26 x 26	NPT1×1,G1X1	20 X 20	25 X 25	14 - 35	17.5 - 40	9 - 20	11 - 30	180 - 290
NH-200PS-Z-3J / PS-Z-F-3J / PS-Z-K-3J	26 x 26	NPT1×1,G1X1	20 X 20	25 X 25	14 - 35	17.5 - 40	9 - 20	11 - 30	180 - 290
NH-200PS	26 x 26	NPT1×1,G1X1	20 X 20	25 X 25	9.5 - 85	11 - 95	6.5 - 50	7.5 - 70	180 - 290
NH-200PS-F / PS-K	26 x 26	NPT1×1,G1X1	20 X 20	25 X 25	7.5 - 70	7.5 - 70	5.5 - 50	5.5 - 50	180 - 290
NH-200PS-3J	26 x 26	NPT1×1,G1X1	20 X 20	25 X 25	9.5 - 85	11 - 95	6.5 - 50	7.5 - 70	180 - 290
NH-200PS-F-3J / PS-K-3J	26 x 26	NPT1×1,G1X1	20 X 20	25 X 25	7.5 - 70	7.5 - 70	5.5 - 50	5.5 - 50	180 - 290
NH-250PS	26 x 26	NPT1×1,G1X1	20 X 20	25 X 25	12.5 - 120	14 - 120	9 - 65	9 - 80	250 - 390
NH-250PS-F / PS-K	26 x 26	NPT1×1,G1X1	20 X 20	25 X 25	11.5 - 85	11.5 - 85	8.5 - 50	8.5 - 50	250 - 390
NH-250PS-3J	26 x 26	NPT1×1,G1X1	20 X 20	25 X 25	12.5 - 120	14 - 120	9 - 65	9 - 80	250 - 390
NH-250PS-F-3J / PS-K-3J	26 x 26	NPT1×1,G1X1	20 X 20	25 X 25	11.5 - 85	11.5 - 85	8.5 - 50	8.5 - 50	250 - 390
NH-250PS-3E	26 x 26	NPT1×1,G1X1	20 X 20	25 X 25	13.4 - 120	14.5 - 120	9 - 50	9 - 50	JEM - 0.2kW
NH-250PS-F-3E / PS-K-3E	26 x 26	NPT1×1,G1X1	20 X 20	25 X 25	13.4 - 120	14 - 120	9 - 50	9 - 80	JEM - 0.2kW
NH-275PS	26 x 26	NPT1×1,G1X1	20 X 20	25 X 25	14.5 - 110	18 - 120	10 - 60	13.5 - 60	250 - 390
NH-275PS-F / PS-K	26 x 26	NPT1×1,G1X1	20 X 20	25 X 25	14.8 - 110	17 - 120	11 - 60	11 - 70	250 - 390
NH-275PS-3J	26 x 26	NPT1×1,G1X1	20 X 20	25 X 25	14.5 - 110	18 - 120	10 - 60	13.5 - 60	250 - 390
NH-275PS-F-3J / PS-K-3J	26 x 26	NPT1×1,G1X1	20 X 20	25 X 25	14.8 - 110	17 - 120	11 - 60	11 - 70	250 - 390
NH-300PS / PS-F / PS-K	26 x 20	NPT1×3/4,G1×3/4	20 X 16	-----	20 - 50	26 - 50	16 - 50	21 - 50	330 - 460
NH-300PS-3J / PS-F-3J / PS-K-3J	26 x 20	NPT1×3/4,G1×3/4	20 X 16	-----	20 - 50	26 - 50	16 - 50	21 - 50	330 - 460

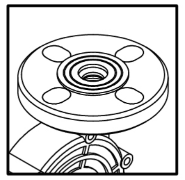
PS / PS-F / PS-K Series

■ Parts List




Hose


Thread

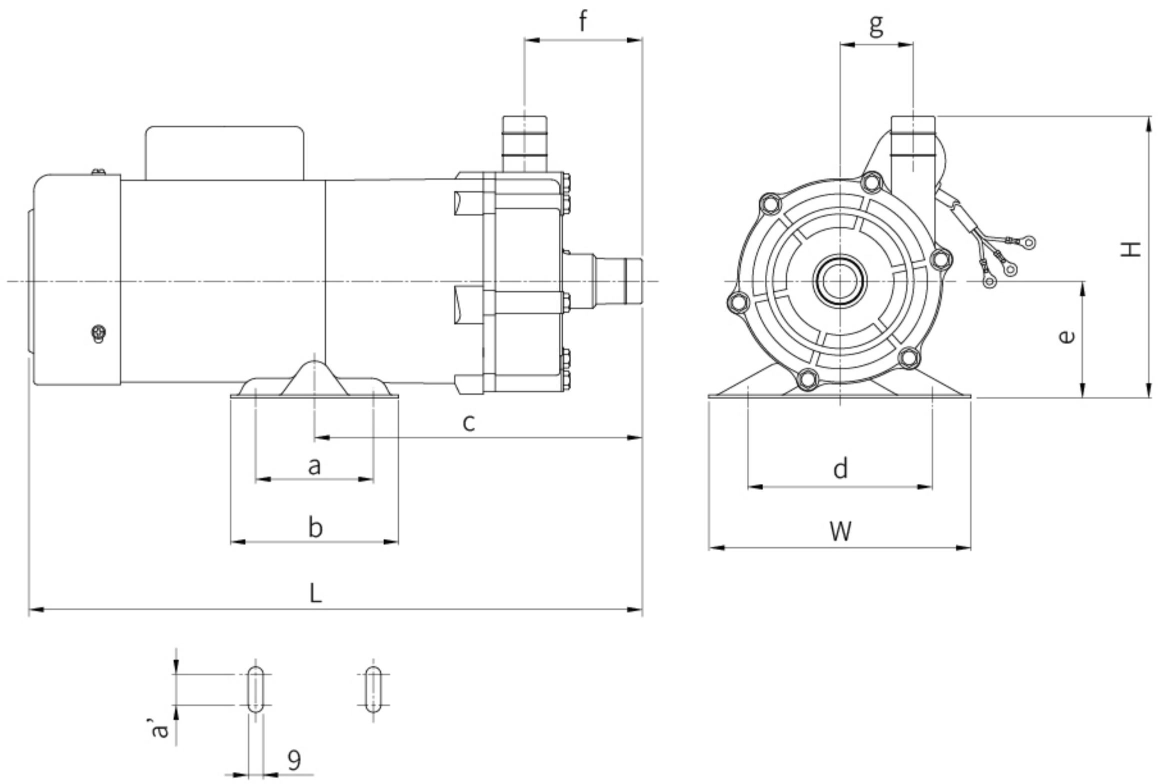

Flange

Position	Description
1	Motor
2	Front casing
3	Rear casing
4	Impeller ass'y
5	Outer drive ring
6	Bearing
7	Back up ring

Position	Description
8	O. Ring
9	O. Ring (x2)
10	Hexagon head bolt w/t plain washer (x6)
11	Set screw (x2)
12	Flange (x2)
13	Spindle

Part name	PS series			PS-F series				PS-K series			
	CV	RV	AV	FV	RV	AV	Si	FV	RV	AV	Si
❶ Casing	PPG			ETFE				PVDF			
❷ Magnet	Ferrite										
❸ Bearing	H.D. Carbon	Rulon	Ceramic	H.D. Carbon	Rulon	Ceramic	Sic	H.D. Carbon	Rulon	Ceramic	Sic
❹ Thrust pad	Ceramic							Ceramic			
❺ Spindle											
❻ O Ring	FKM										

■ Installation dimension



Model	W	H	L	a	a'	b	c	d	e	f	g
NH-125PS / PS-F	120	140	246	43	11	62	175	100	59.5	50	26
NH-150PS / PS-F	120	164	300	40	2	64	199	100	66	70	43.5
NH-150PS-3J / PS-F-3J	120	164	300	40	2	64	199	100	66	70	43.5
NH-200PS-Z / PS-Z-F / PS-Z-K	156	165	355	70	18	100	205	110	66	70	43.5
NH-200PS / PS-F / PS-K	156	165	355	70	18	100	205	110	66	70	43.5
NH-200PS-Z-3J / PS-Z-F-3J / PS-Z-K-3J	156	165	345	70	18	100	205	110	66	70	43.5
NH-200PS-3J / PS-F-3J / PS-K-3J	156	165	345	70	18	100	205	110	66	70	43.5
NH-250PS / PS-F / PS-K	156	165	365	70	18	100	195	110	66	70	43.5
NH-250PS-3J / PS-F-3J / PS-K-3J	156	165	355	70	18	100	195	110	66	70	43.5
NH-275PS / PS-F / PS-K	156	165	365	70	18	100	195	110	66	70	43.5
NH-275PS-3J / PS-F-3J / PS-K-3J	156	165	355	70	18	100	195	110	66	70	43.5
NH-300PS / PS-F / PS-K	160	175	385	80	-	110	200	140	75	55	59
NH-300PS-3J / PS-F-3J / PS-K-3J	160	175	375	80	-	110	200	140	75	55	59

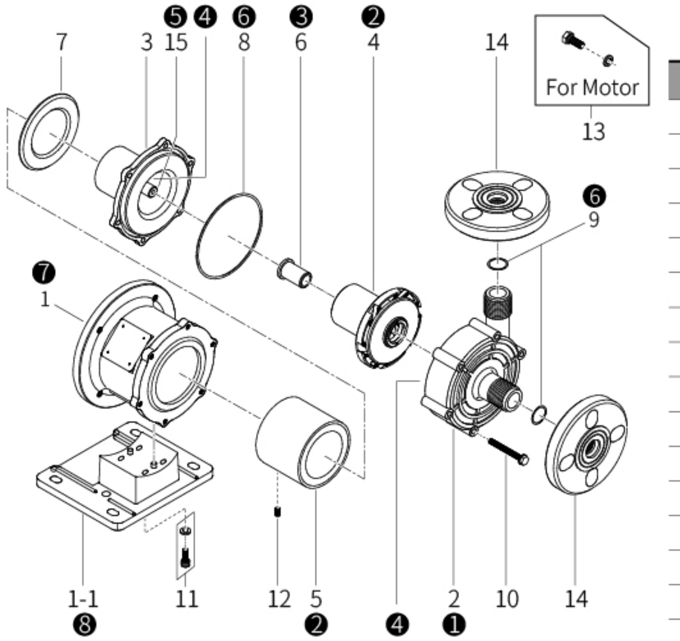
Note : Over all size & construction may be changed without notice.

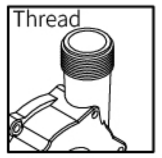
Unit : mm

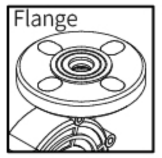
PS / PS-F / PS-K Series

Parts List

For 250PS-3E / PS-F-3E / PS-K-3E





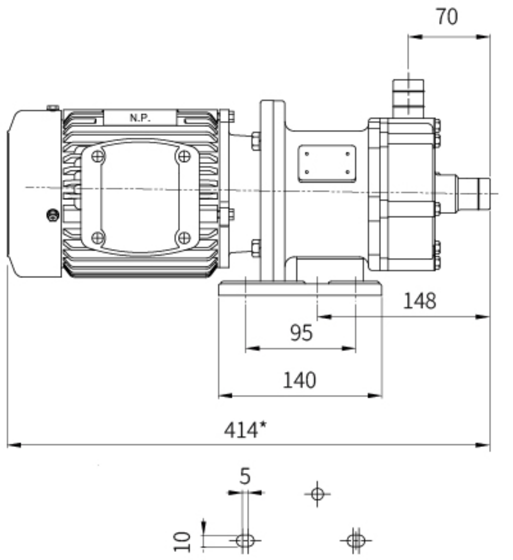


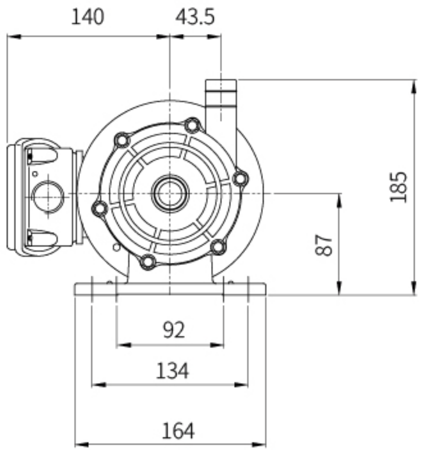
Position	Description
1	Bracket
1-1	Foot
2	Front casing
3	Rear casing
4	Impeller ass'y
5	Outer drive ring
6	Bearing
7	Back up ring
8	O. Ring
9	O. Ring (x2)
10	Hexagon head bolt w/t plain washer (x6)
11	Hexagon socket bolt w/t plain washer (x4)
12	Set screw (x2)
13	Hexagon head bolt w/t spring washer (x4)
14	Flange (x2)
15	Spindle

Part name	250PS-3E			250PS-F-3E				250PS-K-3E			
	CV	RV	AV	FV	RV	AV	Si	FV	RV	AV	Si
❶ Casing	PPG			ETFE				PVDF			
❷ Magnet	Ferrite										
❸ Bearing	H.D. Carbon	Rulon	Ceramic	H.D. Carbon	Rulon	Ceramic	Sic	H.D. Carbon	Rulon	Ceramic	Sic
❹ Thrust pad	Ceramic							Ceramic			
❺ Spindle											
❻ O Ring	FKM										
❼ Bracket	FC-200										
❽ Foot	PPG										

Installation dimension

Unit : mm





Note : Over all size & construction may be changed without notice.
* Depending on type of motor used.

PS-N Series (Glass fiber reinforced PP)
PS-N-K Series (Fluorine Resin)

Self-Priming Magnetic Drive Pump

- Precision injection parts from glass fiber-reinforced PP or Fluorine Resin.
- Advanced design for effective gas and liquid separation.
- Maximum suction lift head up to 2 m.

Model	PS-N	PS-N-K
Materials in Contact	: Glass fiber-reinforced PP	Fluorine Resin
Max Flow	: 100 L/min	100 L/min
Max Head	: 12.5 m	12 m
Liquid Temp.	: 0°C~70°C	0°C~80°C
Motor Power	: 0.25 kW	0.25 kW

Type indication

N H - 2 5 0 P S - N - V - F - L

250 ①, PS-N ②, V ③, F ④, L ⑤

① Model

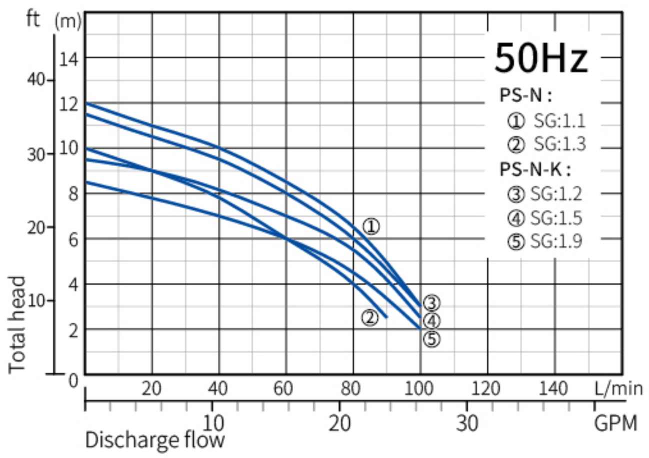
② Series
PS-N : GFRPP
PS-N-K : Fluorine Resin

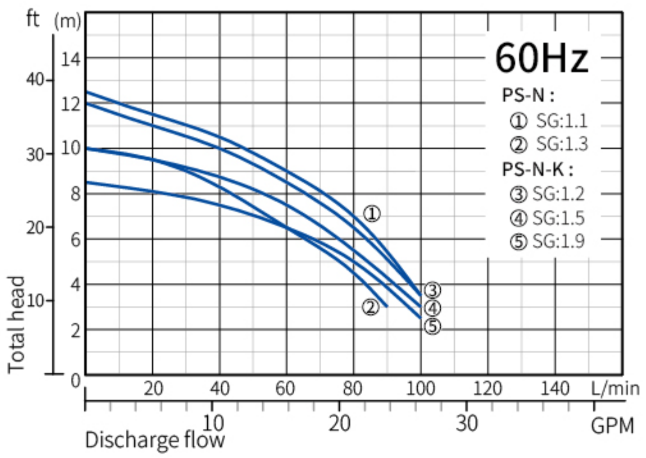
③ O. Ring
V : FKM
E : EPDM

④ Connection method
F : Flange
G : BS Thread
N : NPT Thread

⑤ Impeller size
PS-N : L S.G=1.1
M S.G=1.3
PS-N-K : L S.G=1.2
M S.G=1.5
H S.G=1.9

Pump performance curve





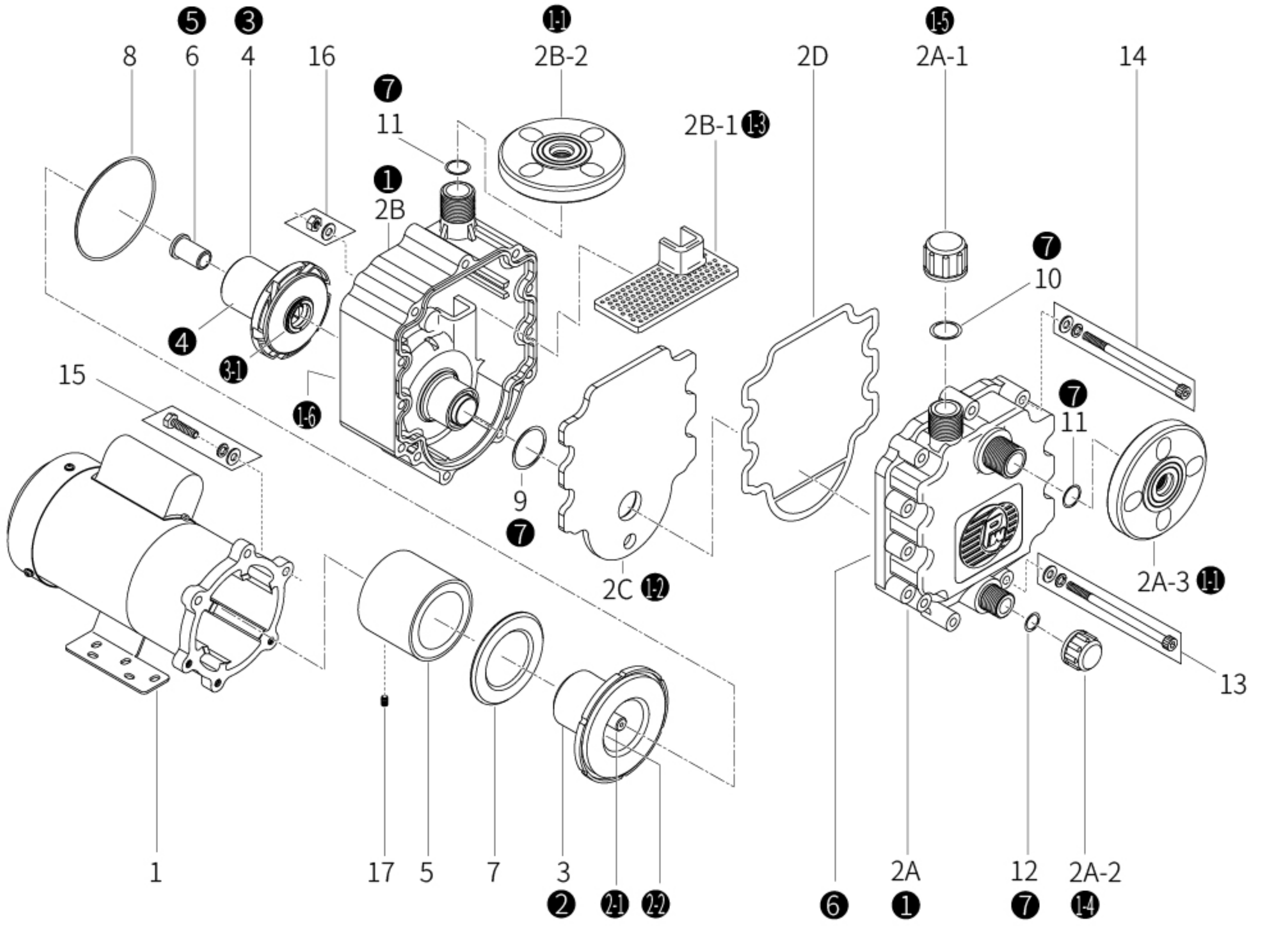
Specification table

Model	Connection method		S.G.	Performance (m-L/min)				Max Self Priming Lift head at S.G 1.0 (m)	Motor (kW)
	Flange (mm)	Thread (")		Max capacity - max discharge		Capacity-discharge head at specified point			
	In x Outlet	In x Outlet		50Hz	60Hz	50Hz	60Hz		
NH-250PS-N	25 x 25	1 x 1	1.1	12.0 - 100	12.5 - 100	8.5 - 60	9.0 - 60	2	0.25
			1.3	10.0 - 90	10.0 - 90	6.0 - 60	6.5 - 60		
NH-250PS-N-K	25 x 25	1 x 1	1.2	11.5 - 100	12.0 - 100	8.0 - 60	8.5 - 60	2	0.25
			1.5	9.5 - 100	10.0 - 100	7.0 - 60	7.5 - 60		
			1.9	8.5 - 100	8.5 - 100	6.0 - 60	6.5 - 60		

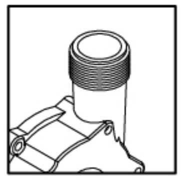
Note : 1. Max self-priming lift head is shown when horizontal pipe length of section inlet is max 0.5m.
2. Max self-priming lift head is S.G. at 1.0

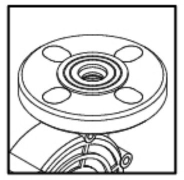
PS-N / PS-N-K Series

Parts List



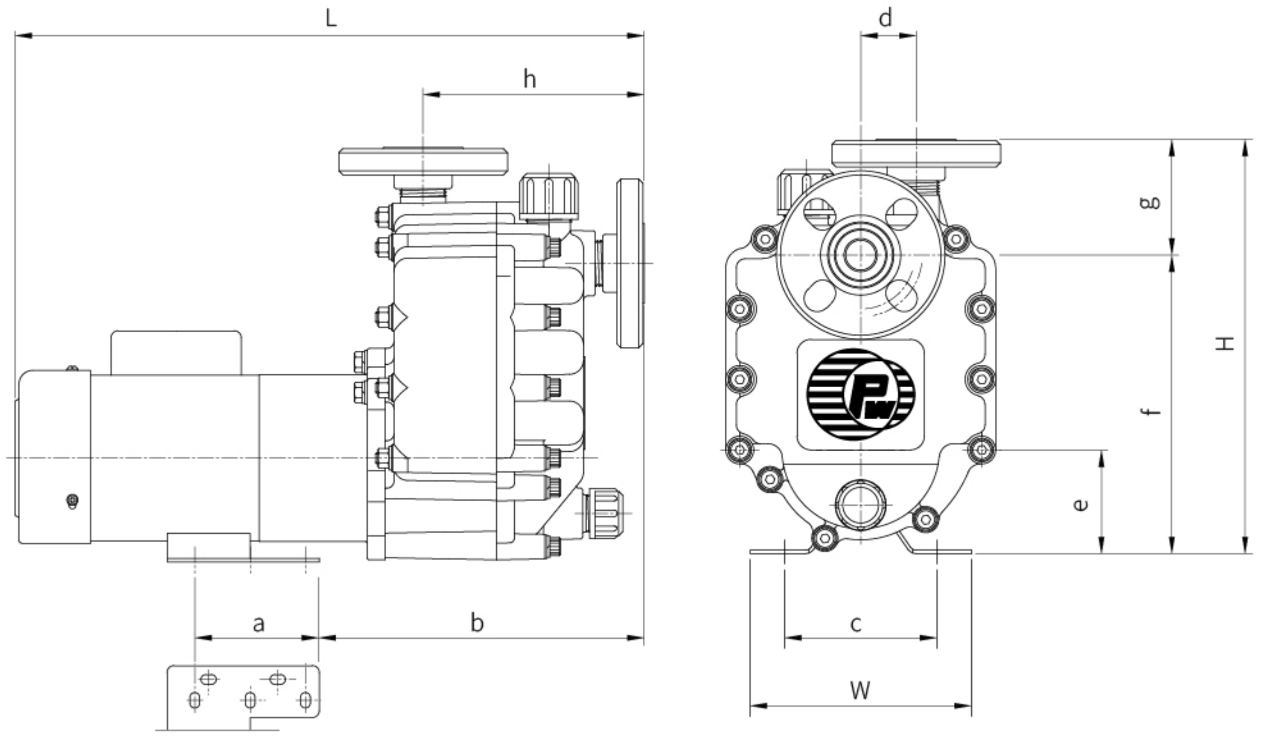
Position	Description
1	Motor
2	Self-priming chamber
2A	Front casing chamber
2A-1	Filler cap
2A-2	Drain cap
2A-3	Flange
2B	Rear casing chamber
2B-1	Filter
2B-2	Flange
2C	Telescopic piece
2D	Gasket
3	Rear casing
4	Impeller ass'y
5	Outer drive ring
6	Bearing
7	Back up ring
8	O. Ring
9	O. Ring
10	O. Ring
11	O. Ring (x2)
12	O. Ring
13	Hexagon socket bolt w/t spring washer (x3) w/t plain washer
14	Hexagon socket bolt w/t spring washer (x9) w/t plain washer
15	Hexagon head bolt w/t spring washer (x3) w/t plain washer
16	NUT w/t plain washer (x9)
17	Set screw (x2)


Thread


Flange

Part name	NH-250PS-N		NH-250PS-N-K	
	V	E	RV	RE
❶ Self-priming chambers	GFRPP		Fluorine Resin	
(1-1) Flange				
(1-2) Telescopic piece				
(1-3) Filter				
(1-4) Drain cap				
(1-5) Filler cap				
(1-6) Thrust pad	99.5% Alumina ceramic			
❷ Rear casing	GFRPP		ETFE	
(2-1) Spindle	99.5% Alumina ceramic			
(2-2) Rear thrust pad				
❸ Impeller	GFRPP		ETFE	
(3-1) Mouth ring	Rulon®			
❹ Magnet capsule	GFRPP		ETFE	
❺ Bearing	Rulon®			
❻ Gasket	FKM	EPDM	FKM	EPDM
❼ O Ring				

Installation dimension



Model	W	H	L	a	b	c	d	e	f	g	h
NH-250PS-N / PS-N-K	160	300	455	80	245	110	40	75	216	84	160
NH-250PS-N-3J / PS-N-K-3J	160	300	445	80	245	110	40	75	216	84	160

Remark : PS-N(-K)/PS-N(-K)-3J   The size in above table is shown with original motor.

Unit : mm

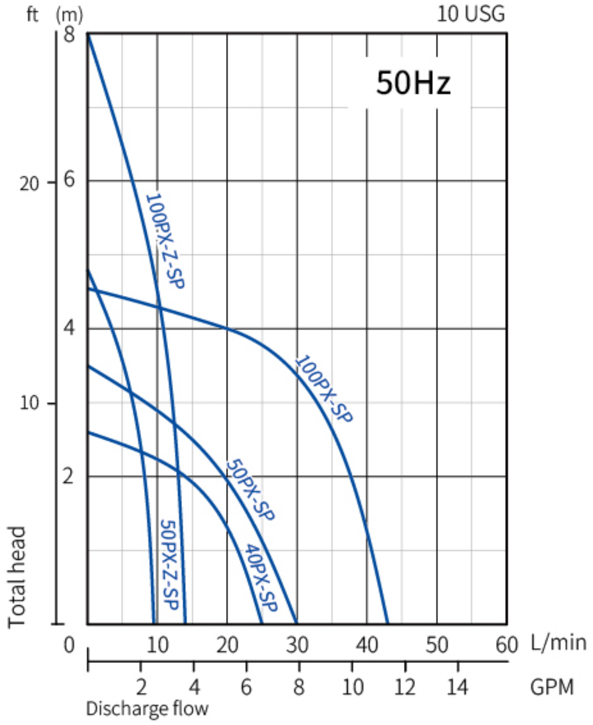
PX-SP Series (Glass fiber-reinforced PP)

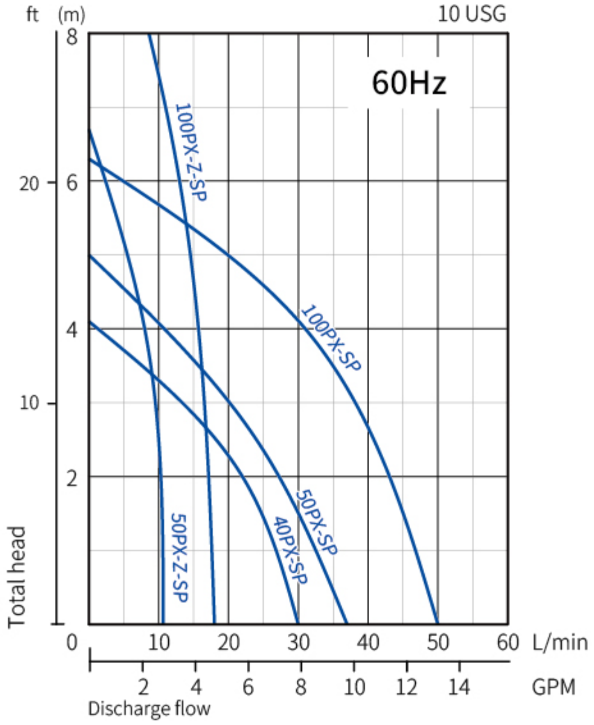
Compact Magnetic Drive Pump with Self-Priming Chamber

- Designed for applications requiring a negative suction lift head.
- Available in 6 models with durable ceramic bearings and spindles.
- Standard hose, threaded, or union type connections.
- Achieves 1.2 m suction lift at S.G. 1.0.
- Suitable for top mounting on drum containers as a drum pump alternative.

Materials in Contact	: Glass fiber-reinforced PP
Max Flow	: 50 L/min
Max Head	: 11 m
Liquid Temp.	: 0°C~60°C
Motor Power	: 20 W to 65 W

Pump performance curve





Specification table

Model	Connection method			Performance (m-L/min)				Max Suction Lift Head (m)	Motor
	Hose (mm)	Thread (")	Union (A)	Max total head-max discharge		Specified head-specified discharge			Output x Input (W)
	In x Outlet	In x Outlet	In x Outlet	50Hz	60Hz	50Hz	60Hz		
NH-40PX-SP	18 x 18	G3/4 x 3/4	16 x 16	2.6 - 25.0	4.1 - 30.0	2.0 - 14.0	2.0 - 22.0	1.2	20 - 40 / 45
NH-50PX-Z-SP	18 x 18	G3/4 x 3/4	16 x 16	4.8 - 9.5	6.7 - 11.0	4.0 - 3.5	4.0 - 8.0	1.2	20 - 40 / 55
NH-50PX-SP	20 x 20	G3/4 x 3/4	16 x 16	3.5 - 30.0	5.0 - 37.0	2.5 - 15.0	2.5 - 24.0	1.2	45 - 65 / 90
NH-100PX-Z-SP	18 x 18	G3/4 x 3/4	16 x 16	8.0 - 14.0	11.0 - 18.0	5.0 - 9.0	6.0 - 13.0	1.2	45 - 80 / 95
NH-100PX-SP	20 x 20	G3/4 x 3/4	16 x 16	4.6 - 43.0	6.3 - 50.0	4.0 - 20.0	4.0 - 31.0	1.2	65 - 90 / 120

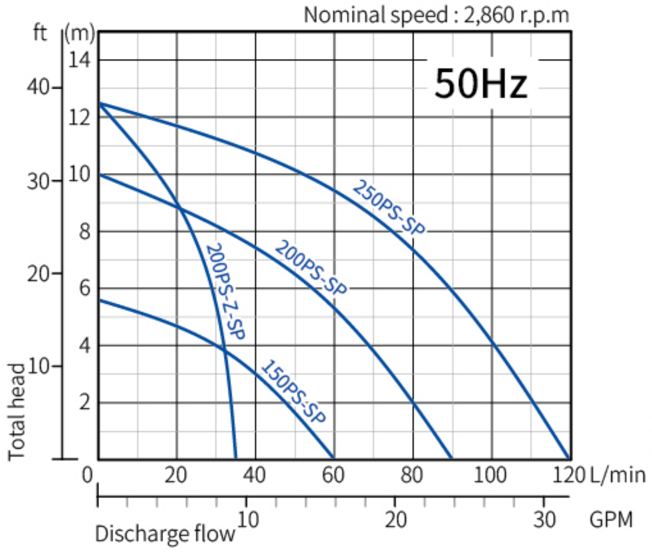
PS-SP Series (Glass fiber-reinforced PP)

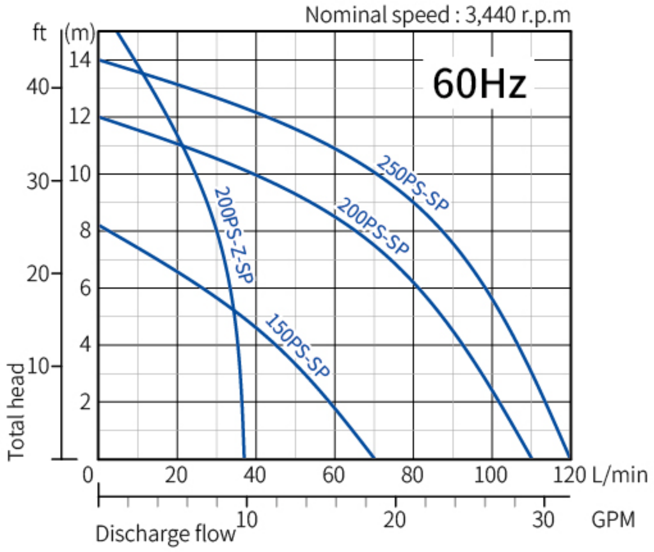
Compact Magnetic Drive Pump with Self-Priming Chamber

- Designed for negative suction lift head applications, available in 7 models.
- Features durable ceramic bearings and spindles, along with SiC as wetted end components.
- Offers hose, threaded, flange, or union type connections.
- Achieves a suction lift of 2.2 m at S.G. 1.0, suitable for top mounting on drum containers.

Materials in Contact	: Glass Fiber-reinforced PP
Max Flow	: 120 L/min
Max Head	: 16 m
Liquid Temp.	: 0°C~70°C
Motor Power	: 90 W to 250 W, JEM-0.2kW

Pump performance curve





Specification table

Model	Connection method				Performance (m-L/min)				Max Suction Lift Head (m)	Motor	Net Weight (kg)
	Hose (mm)	Thread (")	Union (A)	Flange (A)	Max total head-max discharge		Specified head-specified discharge			Output x Input (W)	
	In x Outlet	In x Outlet	In x Outlet	In x Outlet	50Hz	60Hz	50Hz	60Hz			
NH-150PS-SP	26 x 26	NPT1x1,G1x1	20 x 20	25 x 25	5.6 - 60	8.2 - 70	4 - 30	4 - 45	2.2	90-130/180	6
NH-200PS-Z-SP	26 x 26	NPT1x1,G1x1	20 x 20	25 x 25	12.5 - 35	16 - 37	9 - 20	8 - 30	2.2	180-290	8
NH-200PS-SP	26 x 26	NPT1x1,G1x1	20 x 20	25 x 25	10 - 90	12 - 110	6.5 - 50	7.5 - 70	2.2	180-290	8
NH-200PS-SP-3J	26 x 26	NPT1x1,G1x1	20 x 20	25 x 25	10 - 90	12 - 110	6.5 - 50	7.5 - 70	2.2	180-290	8
NH-250PS-SP	26 x 26	NPT1x1,G1x1	20 x 20	25 x 25	12.5 - 120	14 - 120	9 - 65	9 - 80	2.2	250-390	8
NH-250PS-SP-3J	26 x 26	NPT1x1,G1x1	20 x 20	25 x 25	12.5 - 120	14 - 120	9 - 65	9 - 80	2.2	250-390	10
NH-250PS-SP-3E	26 x 26	NPT1x1,G1x1	20 x 20	25 x 25	12.5 - 120	14 - 120	9 - 65	9 - 80	2.2	JEM-0.2kW	15

PW Series (PPG)

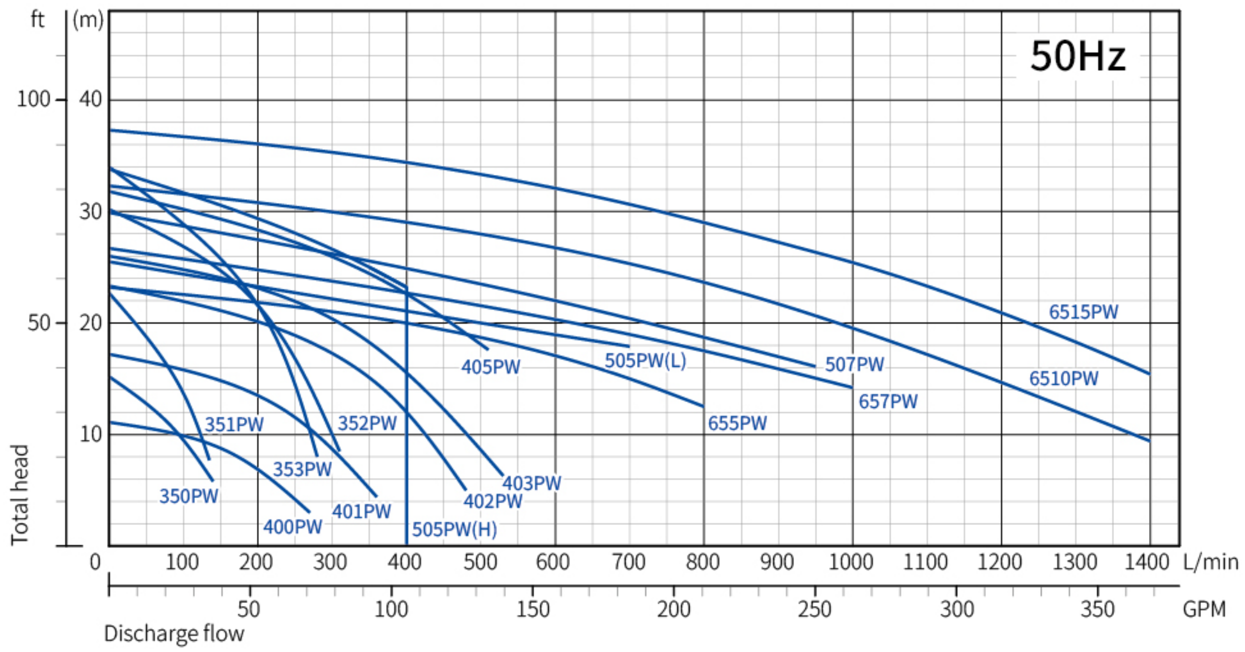
General Purpose Magnetic Drive Pumps

- 16 models capable of handling a wide range of chemicals.
- Compatible with IEC and NEMA standard motors.
- Available with flange, G thread, or NPT thread connections.

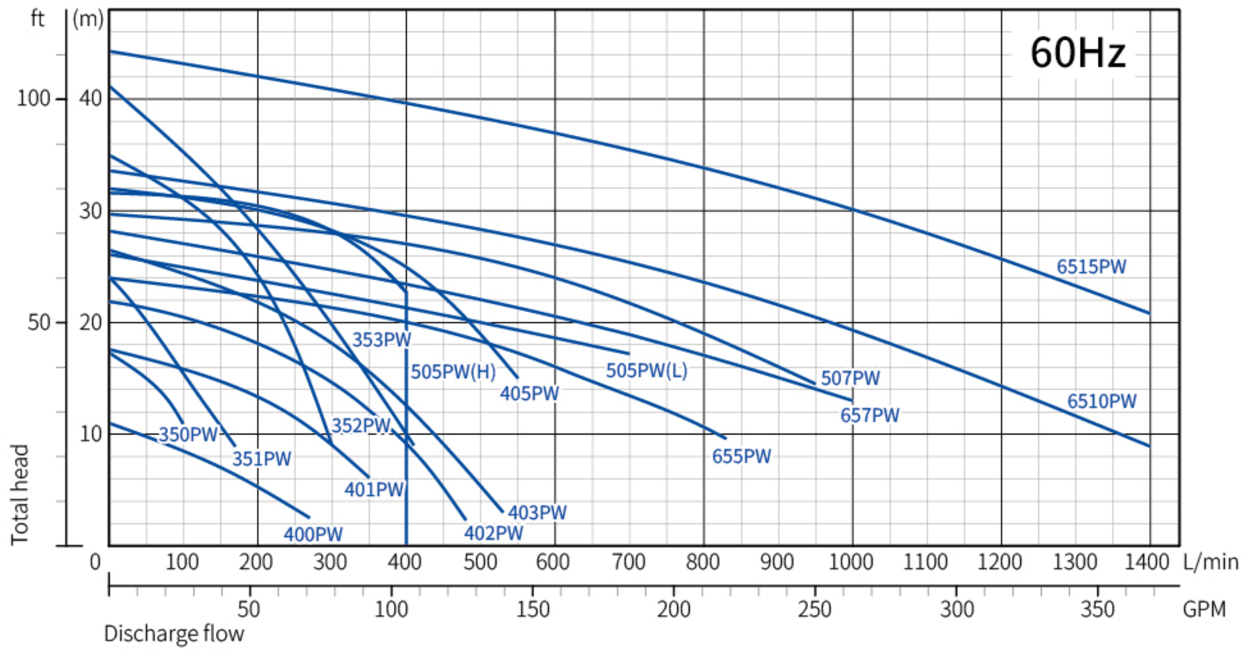
Materials in Contact	: PPG
Max Flow	: 1,400 L/min
Max Head	: 44 m
Liquid Temp.	: 0℃~70℃
Specific Gravity Limit	: Up to approx. 1.5
Motor Power	: 0.37 kW to 11 kW

Pump performance curve

Nominal speed : 2,860 r.p.m



Nominal speed : 3,440 r.p.m



Type indication

N H - 4 0 0 P W - C V - L - 0 4 C

① ② ③ ④ ⑤ ⑥ ⑦

① Model

② Series

③ Bearing
C : Carbon
R : Rulon
A : Oxide Alumina ceramic

④ O. Ring
V : FKM
N : NBR
E : EPDM

⑤ Impeller size

S	S.G=1.0
L	S.G=1.1
M	S.G=1.3
H	S.G=1.5

⑥ Motor output

04	: 0.37	kW
07	: 0.75	kW
15	: 1.5	kW
22	: 2.2	kW
37	: 3.7	kW
55	: 5.5	kW
75	: 7.5	kW
110	: 11	kW

⑦ Required motor
Without Indoor use
With B Explosion proof
C Weather proof

Specification table

Model	Flange size		Pump performance at specified point (m-L/min)			Applicable Motor output (kW)	Net weight w/t motor (kg)
	Inlet(mm)	Outlet(mm)	Specific Gravity	50Hz	60Hz		
NH-350PW	25	25	1.0	11.0 - 80	13.0 - 80	0.37	16
			1.3	12.0 - 60	14.0 - 40		
			1.5	11.0 - 40	11.0 - 50		
NH-351PW	25	25	1.0	13.7 - 100	17.3 - 100	0.75	30
			1.3	14.5 - 80	17.0 - 80		
			1.5	12.4 - 80	14.5 - 70		
NH-352PW	32	32	1.0	23.0 - 180	29.0 - 140	1.5	43
			1.3	22.0 - 100	26.0 - 100		
			1.5	21.0 - 100	25.0 - 100		
NH-353PW	32	32	1.0	23.0 - 180	32.0 - 150	2.2	51
			1.3	24.0 - 150	31.0 - 120		
			1.5	22.0 - 150	29.0 - 120		
NH-400PW	40	40	1.1	8.4 - 160	6.7 - 160	0.37	21
			1.3	7.0 - 155	7.0 - 140		
			1.5	6.1 - 130	5.9 - 130		
NH-401PW	40	40	1.1	12.0 - 240	11.5 - 250	0.75	30
			1.3	9.8 - 185	9.3 - 200		
			1.5	9.1 - 165	7.5 - 200		
NH-402PW	50	40	1.1	14.0 - 320	14.0 - 300	1.5	45
			1.3	14.0 - 280	13.9 - 265		
			1.5	12.0 - 280	14.5 - 220		
NH-403PW	50	40	1.1	20.0 - 310	19.0 - 280	2.2	47
			1.3	16.0 - 340	18.6 - 240		
			1.5	15.5 - 340	14.7 - 340		
NH-405PW	50	40	1.1	23.0 - 390	24.0 - 420	3.7	70
			1.3	21.1 - 400	24.0 - 390		
			1.5	19.0 - 390	20.0 - 390		
NH-505PW(L)	65	50	1.0	22.0 - 500	22.0 - 500	3.7	72
			1.1	20.0 - 500	22.0 - 500		
			1.3	19.0 - 500	19.0 - 500		
			1.5	16.0 - 500	16.0 - 500		
NH-505PW(H)	65	50	1.0	25.0 - 350	28.0 - 350	3.7	72
			1.1	25.0 - 350	26.0 - 350		
			1.3	22.0 - 350	24.0 - 350		
			1.5	20.0 - 350	19.7 - 350		
NH-507PW	65	50	1.0	24.0 - 600	27.0 - 600	5.5	99
			1.1	22.0 - 600	24.0 - 600		
			1.3	21.9 - 600	21.0 - 600		
			1.5	19.0 - 600	19.0 - 600		
NH-655PW	80	65	1.1	15.0 - 700	15.5 - 600	3.7	110
			1.3	12.0 - 650	-		
			1.5	10.2 - 570	-		
NH-657PW	80	65	1.1	17.5 - 800	18.0 - 750	5.5	120
			1.3	17.6 - 630	16.5 - 630		
			1.5	15.3 - 620	13.3 - 760		
NH-6510PW	80	65	1.1	23.4 - 780	23.4 - 800	7.5	130
			1.3	22.7 - 640	19.6 - 770		
			1.5	17.5 - 800	18.1 - 670		
NH-6515PW	80	65	1.1	25.5 - 1040	29.5 - 1030	11	140
			1.3	25.5 - 1040	31.5 - 650		
			1.5	25.2 - 880	24.6 - 850		

PW-F Series (ETFE)

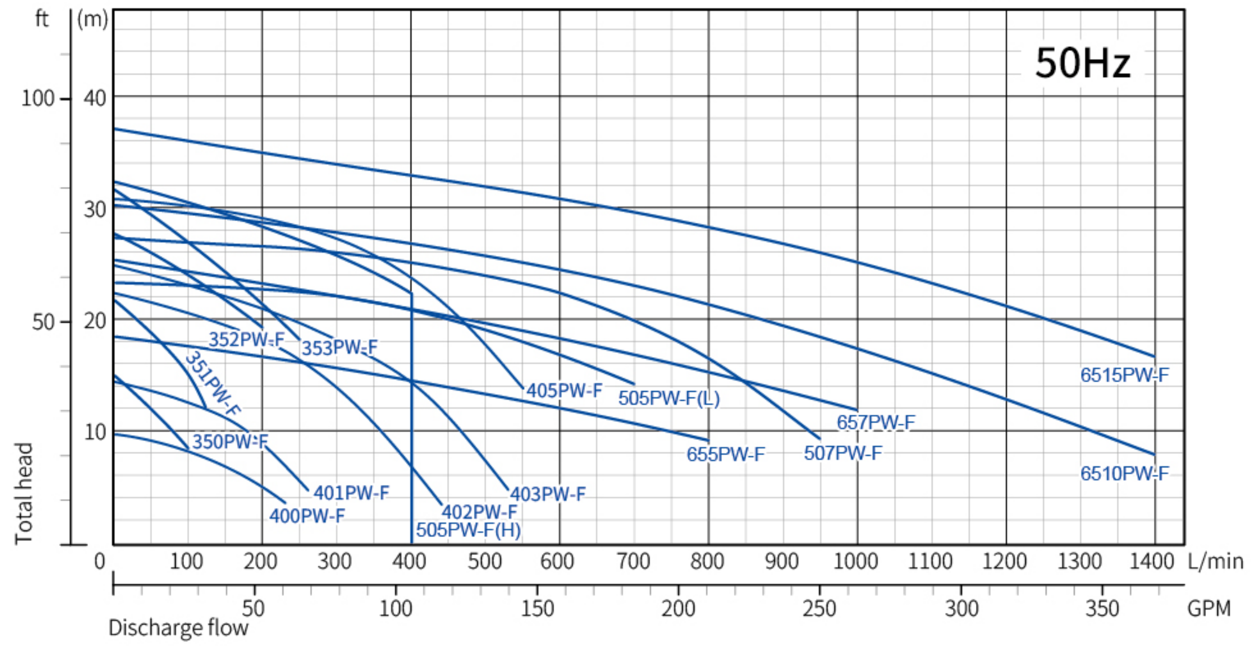
Magnetic Drive Pumps for Hazardous Chemical Transfer

- 16 models suitable for nearly all types of chemicals.
- Compatible with IEC and NEMA standard motors.
- Available with flange, G thread, or NPT thread connections.

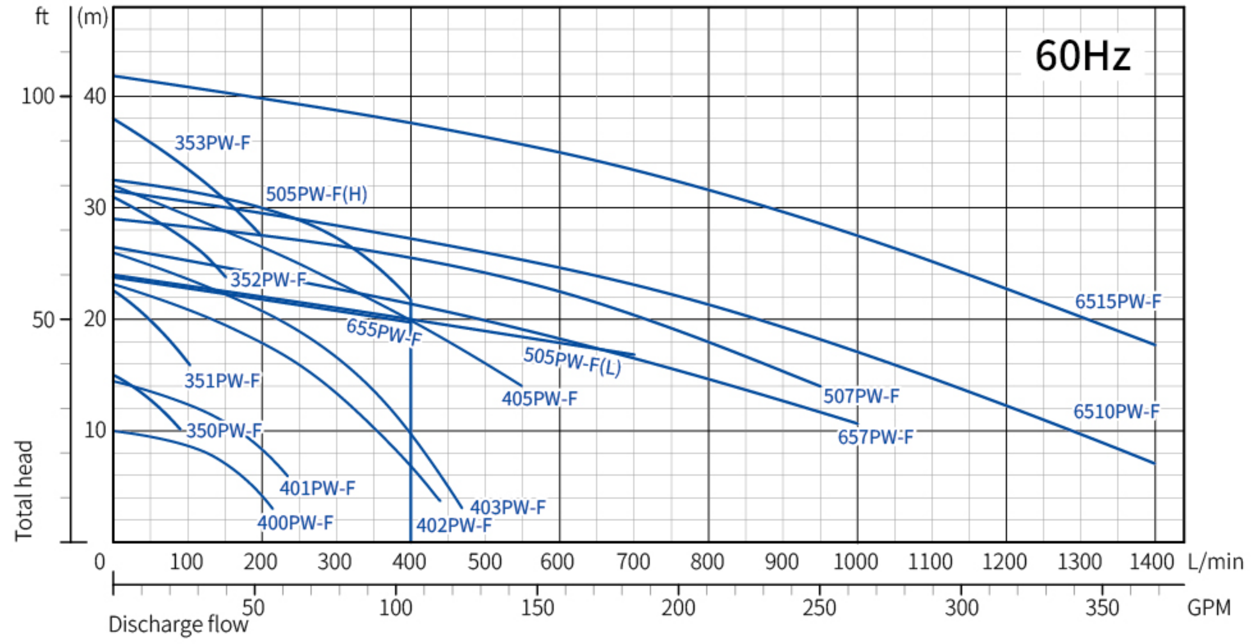
Materials in Contact : ETFE
Max Flow : 1,400 L/min
Max Head : 42 m
Liquid Temp. : 0°C~90°C
Specific Gravity Limit : Up to approx. 1.9
Motor Power : 0.37 kW to 11 kW

Pump performance curve

Nominal speed : 2,860 r.p.m



Nominal speed : 3,440 r.p.m



Type indication

NH-400PW-F-FV-L-04C

400 ① PW-F ② F ③ V ④ L ⑤ 04 ⑥ C ⑦

① Model
② Series

③ Bearing
F : High density Carbon bearing - Ceramic spindle
R : Rulon bearing - Ceramic spindle
A : Ceramic bearing - Sic/Ceramic spindle
Si : Sic bearing - Sic spindle

④ O. Ring
V : FKM
N : NBR
E : EPDM

⑤ Impeller size
S S.G=1.0
L S.G=1.2
M S.G=1.5
H S.G=1.9

⑥ Mptor output
04 : 0.37 kW
07 : 0.75 kW
15 : 1.5 kW
22 : 2.2 kW
37 : 3.7 kW
55 : 5.5 kW
75 : 7.5 kW
110 : 11 kW

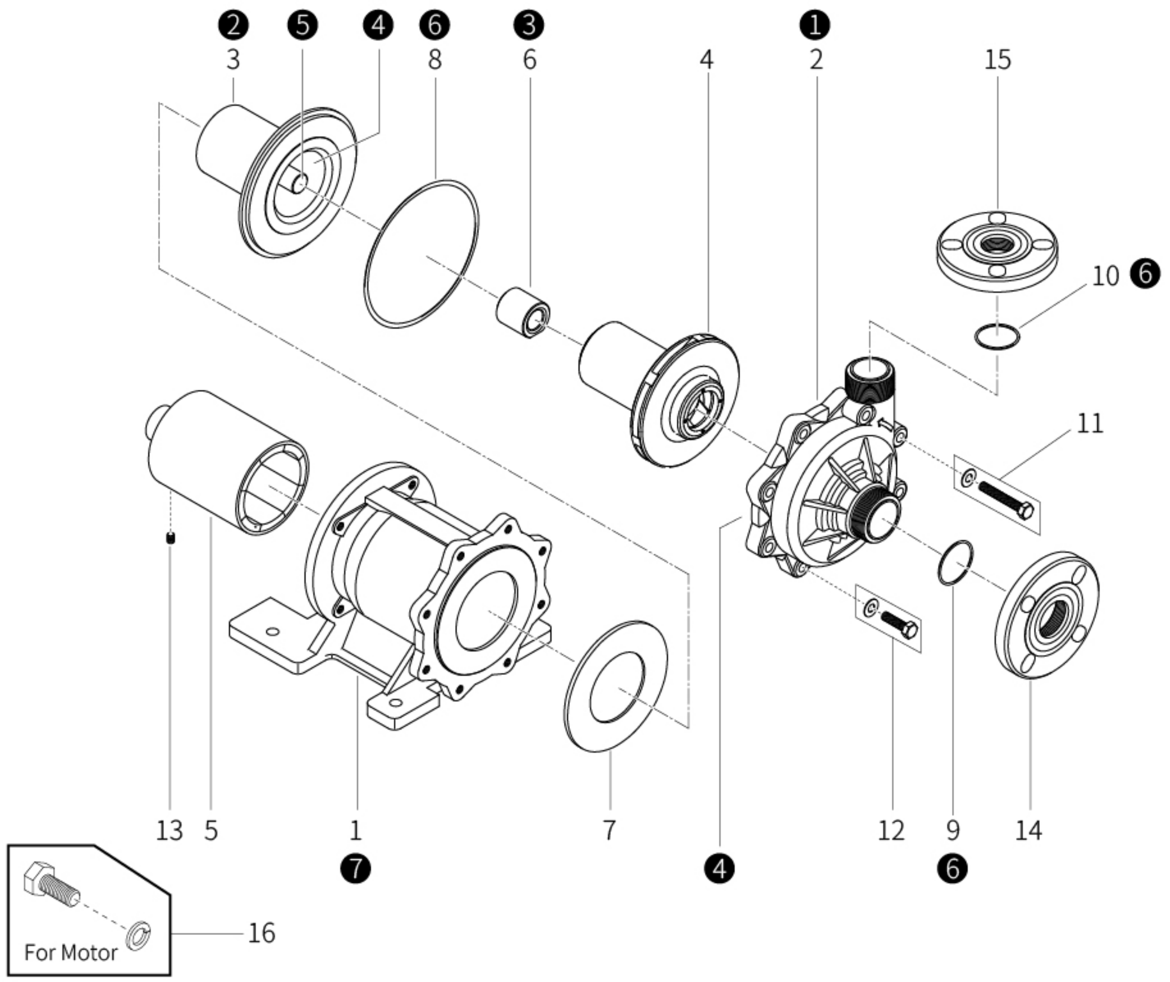
⑦ Required motor
Without Indoor use
With B Explosion proof
C Weather proof

Specification table

Model	Flange size		Pump performance at specified point (m-L/min)			Applicable Motor output (kW)	Net weight w/t motor (kg)
	Inlet(mm)	Outlet(mm)	Specific Gravity	50Hz	60Hz		
NH-350PW-F	25	25	1.2	10.0 - 80	11.0 - 80	0.37	16
			1.5	11.0 - 40	11.0 - 50		
			1.9	6.0 - 50	7.0 - 60		
NH-351PW-F	25	25	1.2	15.0 - 100	17.0 - 80	0.75	30
			1.5	12.4 - 80	14.5 - 70		
			1.9	12.0 - 80	14.5 - 20		
NH-352PW-F	32	32	1.2	23.0 - 100	27.0 - 100	1.5	44
			1.5	21.0 - 100	25.0 - 100		
			1.9	18.0 - 100	21.0 - 100		
NH-353PW-F	32	32	1.2	24.0 - 150	32.0 - 120	2.2	51
			1.5	22.0 - 150	29.0 - 120		
			1.9	19.0 - 150	25.0 - 120		
NH-400PW-F	40	40	1.2	7.4 - 135	8.0 - 110	0.37	21
			1.5	6.5 - 135	5.2 - 135		
			1.9	4.7 - 120	3.9 - 120		
NH-401PW-F	40	40	1.2	10.0 - 180	9.5 - 180	0.75	30
			1.5	8.5 - 160	8.8 - 160		
			1.9	6.0 - 175	5.2 - 175		
NH-402PW-F	50	40	1.2	16.0 - 260	15.5 - 260	1.5	45
			1.5	13.0 - 240	13.5 - 240		
			1.9	10.0 - 280	7.9 - 280		
NH-403PW-F	50	40	1.2	17.0 - 330	15.0 - 330	2.2	47
			1.5	15.0 - 310	16.3 - 310		
			1.9	14.0 - 280	13.0 - 280		
NH-405PW-F	50	40	1.2	24.5 - 390	20.5 - 390	3.7	70
			1.5	20.5 - 310	20.3 - 350		
			1.9	15.2 - 220	19.3 - 290		
NH-505PW-F(L)	65	50	1.2	19.0 - 500	20.0 - 500	3.7	72
			1.5	16.0 - 500	16.0 - 500		
			1.9	13.0 - 500	11.0 - 500		
NH-505PW-F(H)	65	50	1.2	24.3 - 350	25.0 - 350	3.7	72
			1.5	20.0 - 350	19.7 - 350		
			1.9	20.0 - 350	17.0 - 350		
NH-507PW-F	65	50	1.2	21.5 - 600	22.5 - 600	5.5	99
			1.5	19.0 - 600	19.5 - 600		
			1.9	16.0 - 600	15.0 - 600		
NH-655PW-F	80	65	1.2	12.2 - 600	19.8 - 400	3.7	110
			1.5	11.0 - 540	-		
			1.9	-	-		
NH-657PW-F	80	65	1.2	17.0 - 700	18.0 - 620	5.5	120
			1.5	15.3 - 625	13.5 - 750		
			1.9	11.3 - 660	-		
NH-6510PW-F	80	65	1.2	22.2 - 760	20.7 - 830	7.5	130
			1.5	18.9 - 720	18.0 - 680		
			1.9	15.5 - 660	15.0 - 720		
NH-6515PW-F	80	65	1.2	26.8 - 1080	24.0 - 1110	11	140
			1.5	26.0 - 815	26.0 - 800		
			1.9	24.1 - 600	20.5 - 835		

PW / PW-F Series

Parts List



Position	Description
1	Bracket
2	Front casing
3	Rear casing
4	Impeller ass'y
5	Outer drive ring
6	Bearing ass'y
7	Back up ring
8	O. Ring

Position	Description
9	O. Ring
10	O. Ring
11	Hexagon head bolt w/t plain washer (x3)
12	Hexagon head bolt w/t plain washer (x5)
13	Set screw (x2)
14	Flange
15	Flange
16	Hexagon head bolt w/t spring washer (x4)

Part name	PW series					PW-F series				
	CV	RV	AV	CN	AN	FV	RV	AV	FN	Si
❶ Casing	PPG					ETFE				
❷ Holder										
❸ Bearing	H.D. Carbon	Rulon	Ceramic	H.D. Carbon	Ceramic	H.D. Carbon	Rulon	Ceramic	H.D. Carbon	Sic
❹ Thrust pad	Ceramic									
❺ Spindle										
❻ O Ring	FKM			NBR		FKM			NBR	FKM
❼ Bracket	Grey cast iron									

PW-K Series (Fluorine Resin)

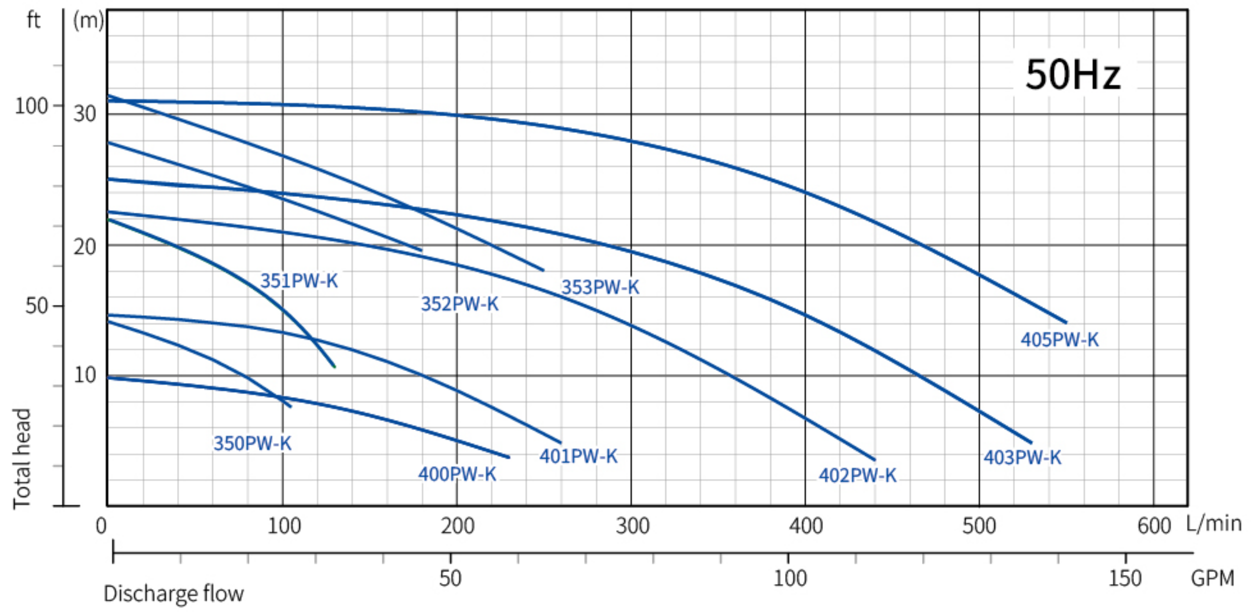
Sealless Magnetic Drive Pump

- Constructed from precision-injection molded fluorine resin for reliable chemical resistance.
- Capable of accommodating a wide variety of chemicals.
- Adaptable with standard IEC and NEMA motors.

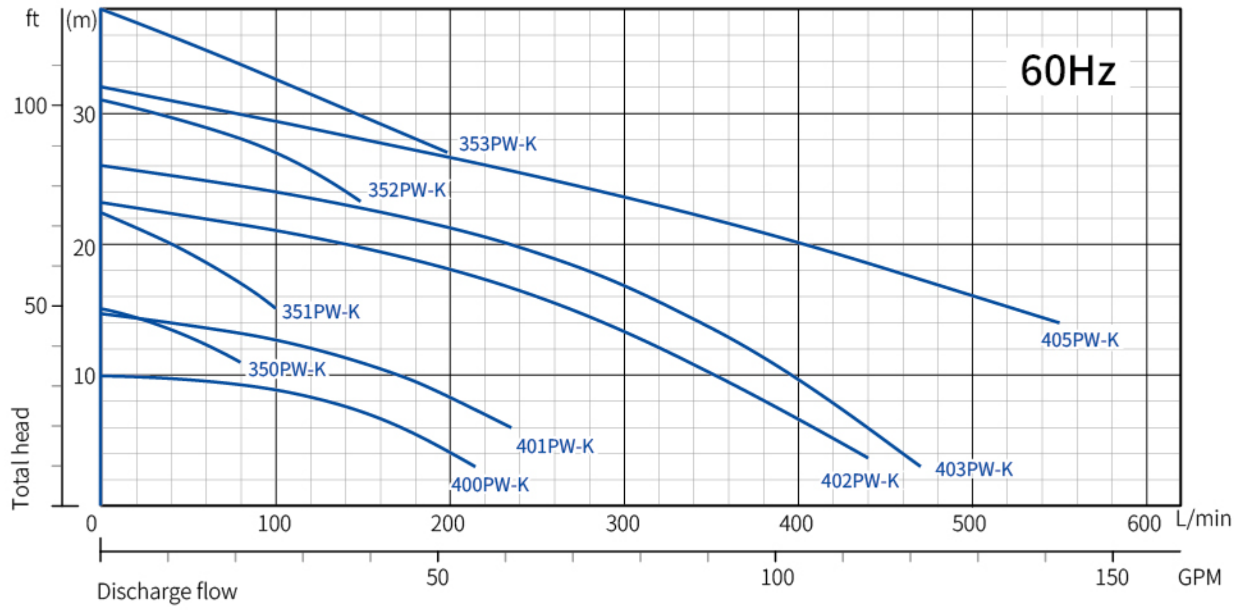
Materials in Contact	: PVDF
Max Flow	: 550 L/min
Max Head	: 36.5 m
Liquid Temp.	: 0°C~80°C
Specific Gravity Limit	: Up to approx. 1.9
Motor Power	: 0.37 kW to 3.7 kW

Pump performance curve

Nominal speed : 2,860 r.p.m



Nominal speed : 3,440 r.p.m



PW-K Series

Type indication

NH-400PW-K-FV-L-04C

① ② ③ ④ ⑤ ⑥ ⑦ ⑧

① Bore
40mm
Discharge bore

② Motor output
0 : 0.37kW
1 : 0.75kW
2 : 1.5kW
3 : 2.2kW
5 : 3.7kW

③ Series

④ Bearing
F : High density Carbon bearing - Ceramic spindle
R : Rulon bearing - Ceramic spindle
A : Ceramic bearing - Sic/Ceramic spindle
Si : Sic bearing - Sic spindle

⑤ O. Ring
V : FKM
N : NBR
E : EPDM

⑥ Impeller size
S S.G=1.0
L S.G=1.2
M S.G=1.5
H S.G=1.9

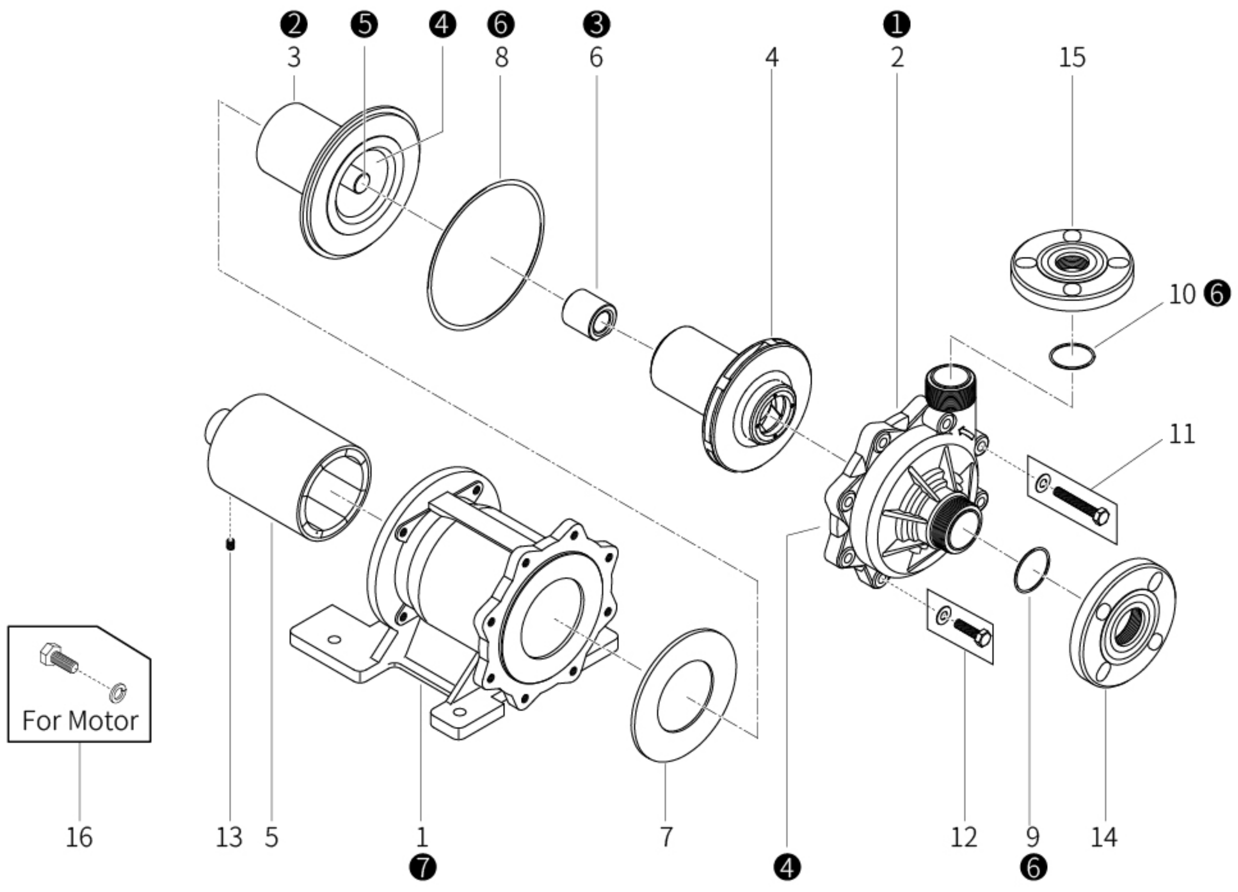
⑦ Motor output
04 : 0.37kW
07 : 0.75kW
15 : 1.5kW
22 : 2.2kW
37 : 3.7kW

⑧ Required motor
Without Indoor use
With B Explosion proof
C Weather proof

Specification table

Model	Flange size		Pump performance at specified point (m-L/min)			Applicable Motor output (kW)
	Inlet(mm)	Outlet(mm)	Specific Gravity	50Hz	60Hz	
NH-350PW-K	25	25	1.2	10.0 - 80	11.0 - 80	0.37
			1.5	11.0 - 40	11.0 - 50	
			1.9	6.0 - 50	7.0 - 60	
NH-351PW-K	25	25	1.2	15.0 - 100	17.0 - 80	0.75
			1.5	12.4 - 80	14.5 - 70	
			1.9	12.0 - 80	14.5 - 20	
NH-352PW-K	32	32	1.2	23.0 - 100	27.0 - 100	1.5
			1.5	21.0 - 100	25.0 - 100	
			1.9	18.0 - 100	21.0 - 100	
NH-353PW-K	32	32	1.2	24.0 - 150	32.0 - 120	2.2
			1.5	22.0 - 150	29.0 - 120	
			1.9	19.0 - 150	25.0 - 120	
NH-400PW-K	40	40	1.2	7.4 - 135	8.0 - 110	0.37
			1.5	6.5 - 135	5.2 - 135	
			1.9	4.7 - 120	3.9 - 120	
NH-401PW-K	40	40	1.2	10.0 - 180	9.5 - 180	0.75
			1.5	8.5 - 160	8.8 - 160	
			1.9	6.0 - 175	5.2 - 175	
NH-402PW-K	50	40	1.2	16.0 - 260	15.5 - 260	1.5
			1.5	13.0 - 240	13.5 - 240	
			1.9	10.0 - 280	7.9 - 280	
NH-403PW-K	50	40	1.2	17.0 - 330	15.0 - 330	2.2
			1.5	15.0 - 310	16.3 - 310	
			1.9	14.0 - 280	13.0 - 280	
NH-405PW-K	50	40	1.2	24.5 - 390	20.5 - 390	3.7
			1.5	20.5 - 310	20.3 - 350	
			1.9	15.2 - 220	19.3 - 290	

Parts List



Position	Description
1	Bracket
2	Front casing
3	Rear casing
4	Impeller ass'y
5	Outer drive ring
6	Bearing ass'y
7	Back up ring
8	O. Ring
9	O. Ring
10	O. Ring
11	Hexagon head bolt w/t plain washer (x3)
12	Hexagon head bolt w/t plain washer (x5)
13	Set screw (x2)
14	Flange
15	Flange
16	Hexagon head bolt w/t spring washer (x4)

Part name	PW-K series				
	FV	RV	AV	FN	Si
❶ Casing	Fluorine Resin				
❷ Holder	ETFE				
❸ Bearing	H.D. Carbon	Rulon	Ceramic	H.D. Carbon	Sic
❹ Thrust pad	Ceramic				
❺ Spindle					
❻ O Ring	FKM			NBR	FKM
❼ Bracket	Grey cast iron				

PWE Series (PPG)

General Purpose Magnetic Drive Pumps with Glass-filled Polypropylene Bracket

- Glass-filled polypropylene bracket is ideal for harsh chemical environments.
- Handles a wide range of corrosive chemical.
- 60% lighter than iron bracket for easier handling and installation.
- Compact design for installation in limited spaces.
- Compatible with standard motors and pipe connections worldwide.

Materials in Contact : PPG
Max Flow : 530 L/min
Max Head : 33 m
Liquid Temp. : 0°C~70°C
Specific Gravity Limit : Up to approx. 1.5
Motor Power : 1.5 kW to 2.2 kW

Type indication

N H - 4 0 2 P W E - C V - L - 1 5 C

① ② ③ ④ ⑤ ⑥ ⑦ ⑧

① **Bore**
40mm
Discharge bore

② **Motor output**
2 : 1.5kW
3 : 2.2kW

③ **Series**

④ **Bearing**
C : Carbon
R : Rulon
A : Oxide Alumina ceramic

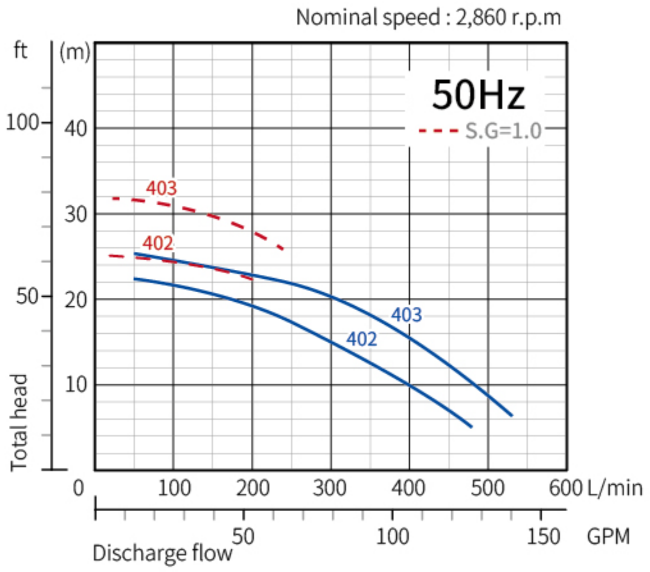
⑤ **O. Ring**
V : FKM
N : NBR
E : EPDM

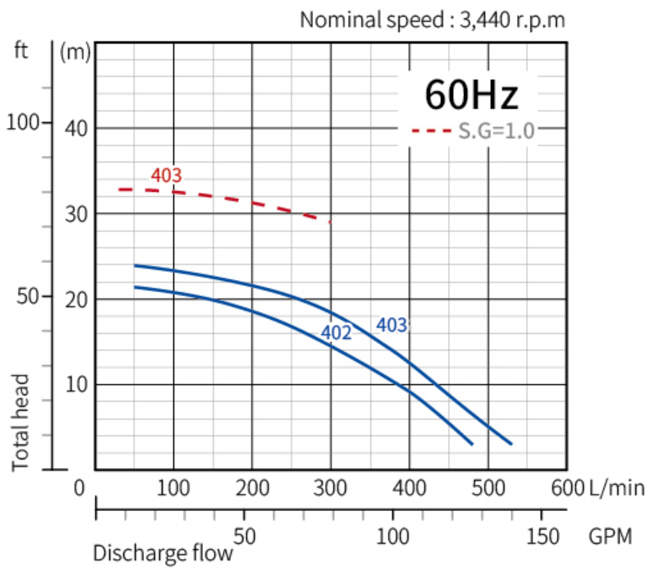
⑥ **Impeller size**
S S.G=1.0
L S.G=1.1
M S.G=1.3
H S.G=1.5

⑦ **Motor output**
15 : 1.5 kW
22 : 2.2 kW

⑧ **Required motor**
Without Indoor use
With B Explosion proof
C Weather proof

Pump performance curve





Specification table

Model	Flange size		Pump performance at specified point (m-L/min)			Applicable Motor output (kW)	Net weight w/t aluminum motor (kg)
	Inlet(mm)	Outlet(mm)	Specific Gravity	50Hz	60Hz		
NH-402PWE	50	40	1.0	22.4 - 200	-	1.5	24
			1.1	14.0 - 320	14.0 - 300		
			1.3	14.0 - 280	13.9 - 265		
			1.5	12.0 - 280	14.5 - 220		
NH-403PWE	50	40	1.0	26.0 - 240	29.0- 300	2.2	27
			1.1	20.0 - 310	19.0 - 280		
			1.3	16.0 - 340	18.6 - 240		
			1.5	15.5 - 340	14.7 - 340		

PWE-F Series (ETFE)

Magnetic Drive Pumps with Glass-filled Polypropylene Bracket for Hazardous Chemical Transfer

- Glass-filled polypropylene bracket is ideal for harsh chemical environments.
- Capable of handling nearly all types of chemicals.
- 50% lighter than iron bracket for easier handling.
- Compact design for limited space installations.
- Compatible with standard motors and pipe connections worldwide.

Materials in Contact : ETFE
Max Flow : 530 L/min
Max Head : 32 m
Liquid Temp. : 0°C~90°C
Specific Gravity Limit : Up to approx. 1.9
Motor Power : 1.5 kW to 2.2 kW

Type indication for PWE

N H - 4 0 2 P W E - F - F V - L - 1 5 C

① ② ③ ④ ⑤ ⑥ ⑦ ⑧

① **Bore**
40mm
Discharge bore

② **Motor output**
2 : 1.5kW
3 : 2.2kW

③ **Series**

④ **Bearing**
F : High density Carbon bearing - Ceramic spindle
R : Rulon bearing - Ceramic spindle
A : Ceramic bearing - Sic/Ceramic spindle
Si : Sic bearing - Sic spindle

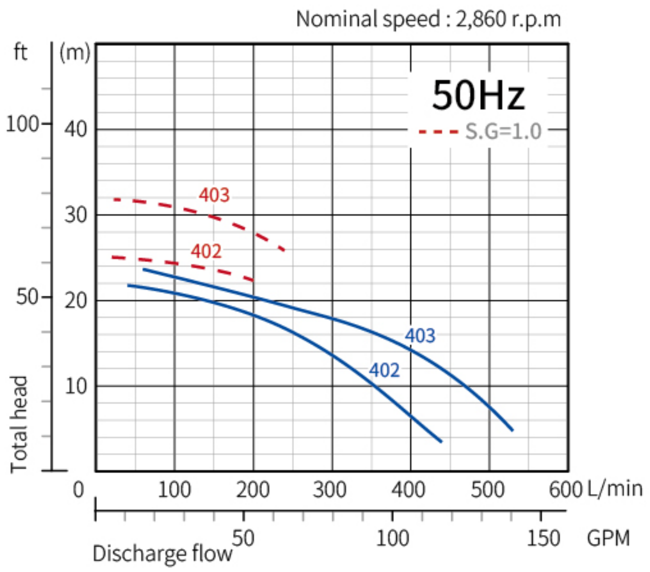
⑤ **O. Ring**
V : FKM
N : NBR
E : EPDM

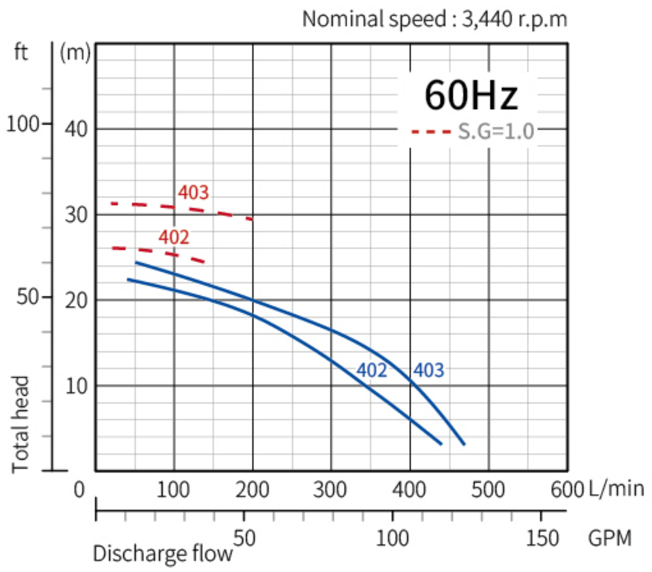
⑥ **Impeller size**
S S.G=1.0
L S.G=1.2
M S.G=1.5
H S.G=1.9

⑦ **Motor output**
15 : 1.5 kW
22 : 2.2 kW

⑧ **Required motor**
Without Indoor use
With B Explosion proof
C Weather proof

Pump performance curve



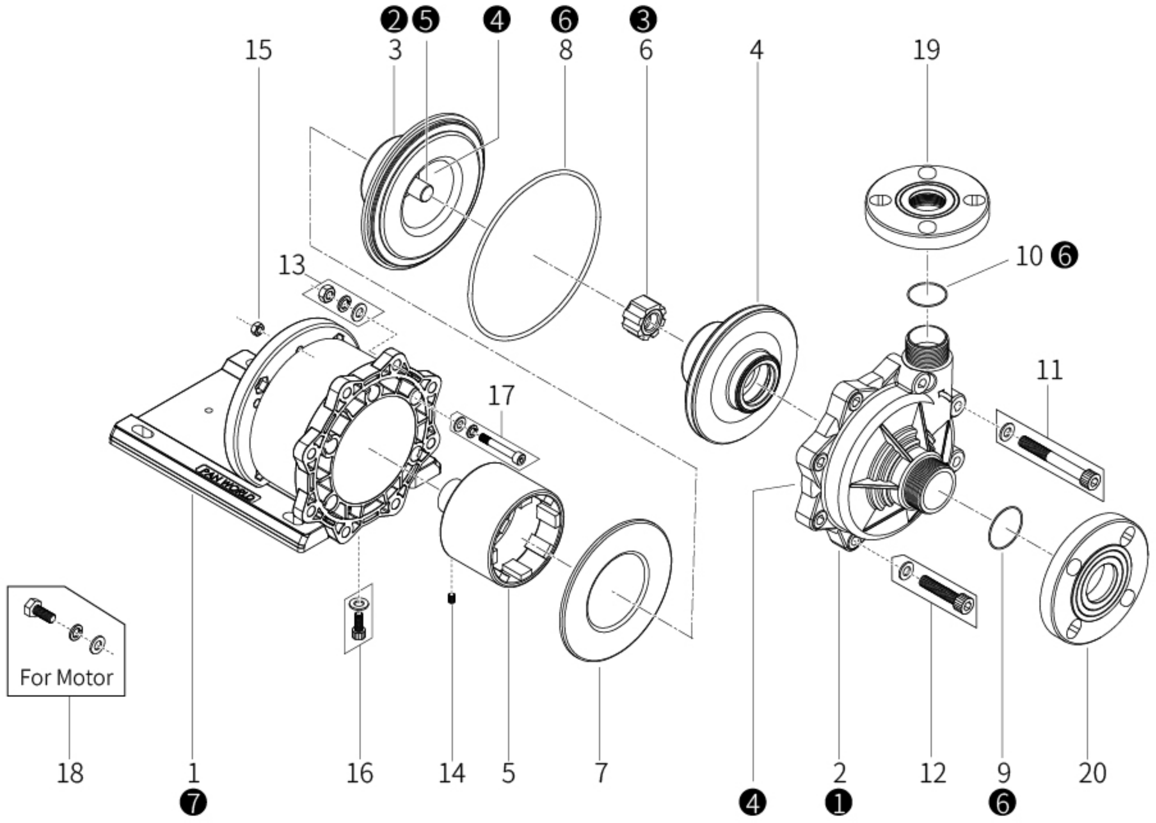


Specification table

Model	Flange size		Pump performance at specified point (m-L/min)			Applicable Motor output (kW)	Net weight w/t aluminum motor (kg)
	Inlet(mm)	Outlet(mm)	Specific Gravity	50Hz	60Hz		
NH-402PWE-F	50	40	1.0	22.4 - 200	24.0 - 150	1.5	26
			1.2	16.0 - 260	15.5 - 260		
			1.5	13.0 - 240	13.5 - 240		
			1.9	10.0 - 280	7.9 - 280		
NH-403PWE-F	50	40	1.0	26.0 - 240	29.8 - 200	2.2	30
			1.2	17.0 - 330	15.0 - 330		
			1.5	15.0 - 310	16.3 - 310		
			1.9	14.0 - 280	13.0 - 280		

PWE / PWE-F Series

Parts List

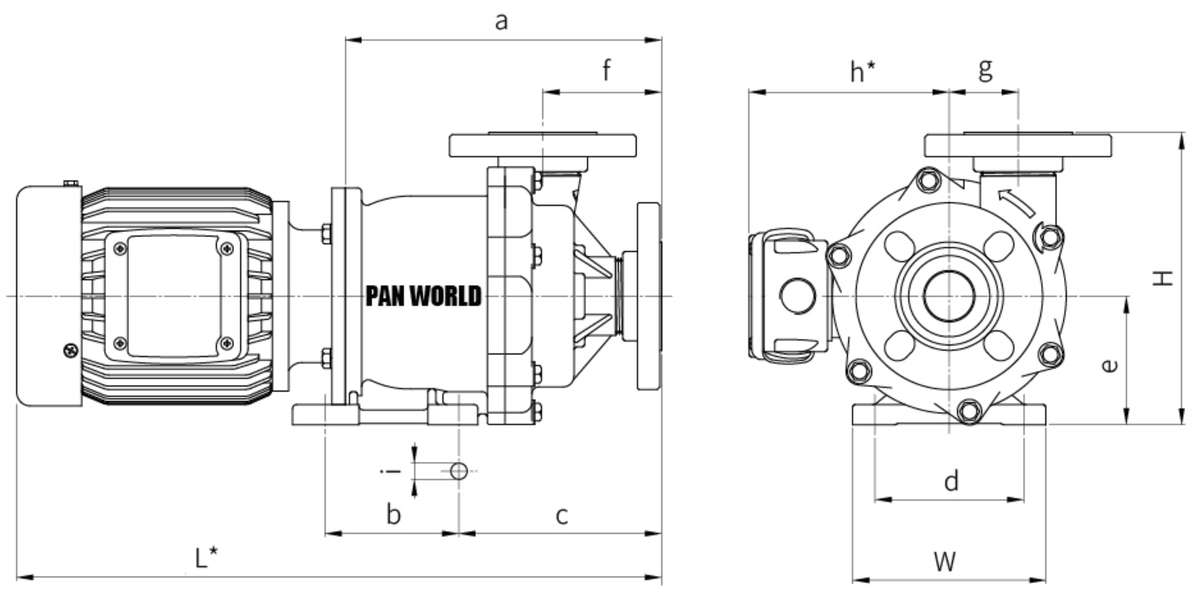


Position	Description
1	Bracket
2	Front casing
3	Rear casing
4	Impeller ass'y
5	Outer drive ring
6	Bearing ass'y
7	Back up ring
8	O. Ring
9	O. Ring
10	O. Ring
11	Hexagon socket bolt w/t plain washer M10x80 (x3)
12	Hexagon socket bolt w/t plain washer M10x55 (x5)

Position	Description
13	NUT w/t spring washer M10 (x8) w/t plain washer
14	Set screw M8x8 (x2)
15	NUT w/t plain washer M8 (x5)
16	Hexagon socket bolt w/t plain washer M10x20 (x4)
17	Hexagon socket bolt w/t spring washer M8x55 (x5) w/t plain washer
18	Hexagon head bolt w/t spring washer M10x30 (x4) w/t plain washer
19	Flange (40mm)
20	Flange (50mm)

Part name	PWE series					PWE-F series				
	CV	RV	AV	CN	AN	FV	RV	AV	FN	Si
❶ **Casing**	PPG					ETFE				
❷ **Holder**										
❸ **Bearing**	H.D. Carbon	Rulon	Ceramic	H.D. Carbon	Ceramic	H.D. Carbon	Rulon	Ceramic	H.D. Carbon	Sic
❹ **Thrust pad**	Ceramic									
❺ **Spindle**										
❻ **O Ring**	FKM			NBR		FKM			NBR	FKM
❼ **Bracket**	PP+GF									

Installation dimension



Model	W	H	L*	a	b	c	d	e	f	g	h*	i
NH-350PW / PW-F / PW-K	157	257	472	232.5	130	161	130	115	88	77.5	138.5	12
NH-351PW / PW-F / PW-K	160	257	470	240	130	170	130	115	88	77.5	145	12
NH-352PW / PW-F / PW-K	160	242	505.5	222.5	132	155	130	120	78	57	149	12
NH-353PW / PW-F / PW-K	160	242	505.5	222.5	132	155	130	120	78	57	149	12
NH-400PW / PW-F / PW-K	140	216	476	233	98	150	110	95	87	51	146	12
NH-401PW / PW-F / PW-K	160	254	489	256	130	184	130	115	102.5	57.5	152	12
NH-402PW / PW-F / PW-K	260	255	588	305	200	158	208	115	89	65	170	14
NH-403PW / PW-F / PW-K	260	255	588	305	200	158	208	115	89	65	170	14
NH-405PW / PW-F / PW-K	260	270	692	326	200	158	208	130	89	65	203	14
NH-505PW / PW-F	260	319	650.5	287.5	300	123.2	220	162	89.5	60	208	14
NH-507PW / PW-F	260	319	676.5	311.5	300	123.2	220	162	89.5	60	252	14
NH-655PW / PW-F	260	360	726	360	270	240	210	175	118	85	203	14
NH-657PW / PW-F	260	360	720	380	270	240	210	175	118	85	252	14
NH-6510PW / PW-F	260	360	754	380	270	240	210	175	118	85	252	14
NH-6515PW / PW-F	350	385	912.5	408.5	270	240	300	200	118	85	288	14
NH-402PWE / PWE-F	220	255	512.8	239	221	145	178	115	89	65	-	14
NH-403PWE / PWE-F	220	255	512.8	239	221	145	178	115	89	65	-	14

Remarks : 1. This size in the table is shown with JIS motor.
PWE, PWE-F in the table is shown with Aluminum JIS motor.
2. Over all size & construction may be changed without notice.
3. * Depending on type of motor used.

Unit : mm

PWH Series (PPG)

High Lift Head, Heavy Duty Magnetic Drive Pumps

- Constructed with durable PPG wetted-end material for reliable chemical handling.
- Adaptable with standard IEC and NEMA motors.
- Available with flange connections.

Materials in Contact	: PPG
Max Flow	: 900 L/min
Max Head	: 48 m
Liquid Temp.	: 0°C~70°C
Specific Gravity Limit	: Up to approx. 1.5
Motor Power	: 2.2 kW to 7.5 kW

Type indication

N H - 5 5 3 P W H - C V - L - 2 2 C

①: 553 ②: PWH ③: C ④: V ⑤: L ⑥: 22 ⑦: C

① Model

② Series

③ Bearing
- C : Carbon
- R : Rulon
- A : Oxide Alumina ceramic

④ O. Ring
- V : FKM
- N : NBR
- E : EPDM

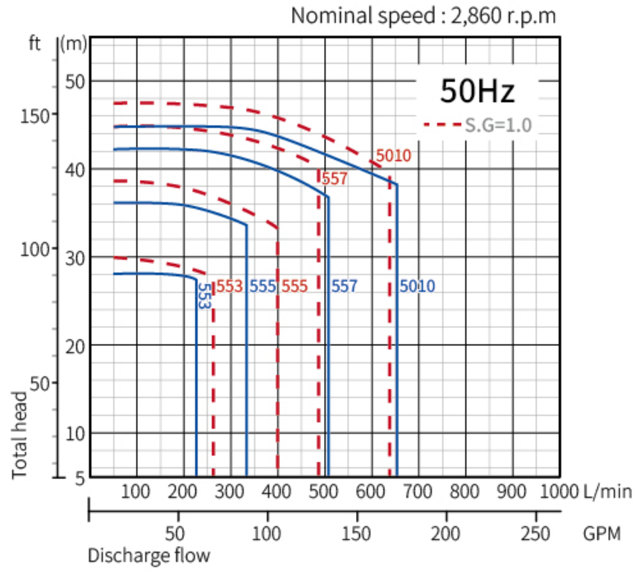
⑤ Impeller size
- S S.G=1.0
- L S.G=1.1
- M S.G=1.3
- H S.G=1.5

⑥ Motor output
- 22 : 2.2 kW
- 37 : 3.7 kW
- 55 : 5.5 kW
- 75 : 7.5 kW

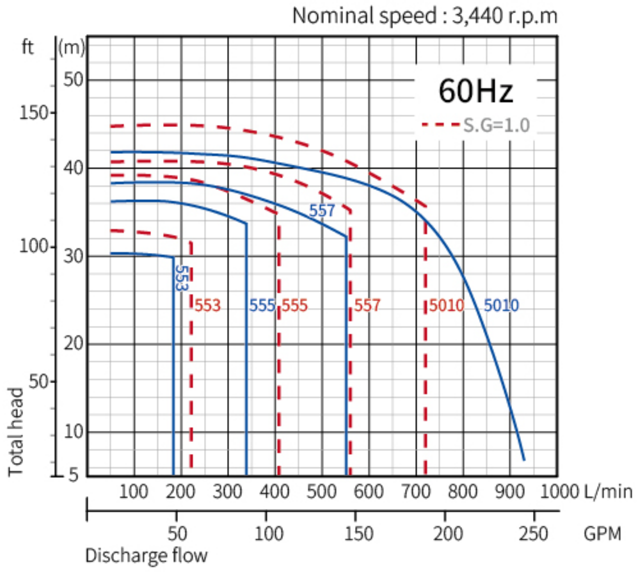
⑦ Required motor
- Without Indoor use
- With B Explosion proof
- C Weather proof

Pump performance curve

Nominal speed : 2,860 r.p.m



Nominal speed : 3,440 r.p.m



Specification table

Model	Flange size		Pump performance at specified point (m-L/min)			Applicable Motor output (kW)	Net weight w/t motor (kg)
	Inlet(mm)	Outlet(mm)	Specific Gravity	50Hz	60Hz		
NH-553PWH	65	50	1.0	29.0 - 200	32.0 - 200	2.2	74
			1.1	27.9 - 200	30.0 - 150		
			1.3	23.9 - 200	27.0 - 150		
			1.5	21.4 - 200	24.5 - 130		
NH-555PWH	65	50	1.0	32.0 - 400	35.0 - 400	3.7	87
			1.1	34.0 - 300	34.5 - 300		
			1.3	31.0 - 300	30.5 - 300		
			1.5	28.0 - 300	28.0 - 300		
NH-557PWH	65	50	1.0	40.0 - 500	36.5 - 500	5.5	120
			1.1	37.1 - 500	33.6 - 500		
			1.3	33.2 - 500	29.6 - 500		
			1.5	29.6 - 500	26.1 - 500		
NH-5010PWH	65	50	1.0	41.2 - 600	36.6 - 700	7.5	132
			1.1	39.0 - 600	35.1 - 700		
			1.3	35.0 - 600	30.7 - 700		
			1.5	32.0 - 600	29.0 - 600		

PWH-F Series (ETFE)

High Lift Head, Heavy Duty Magnetic Drive Pumps

- Built with carbon-fiber reinforced ETFE wetted-end material for enhanced chemical resistance.
- Designed for handling a wide range of chemicals.
- Adaptable with standard IEC and NEMA motors.
- Available with flange connections.

Materials in Contact	: ETFE
Max Flow	: 900 L/min
Max Head	: 48 m
Liquid Temp.	: 0°C~90°C
Specific Gravity Limit	: Up to approx. 1.9
Motor Power	: 2.2 kW to 7.5 kW

Type indication

N H - 5 5 3 P W H - F - F V - L - 2 2 C

①: 553 ②: PWH-F ③: F ④: V ⑤: L ⑥: 22 ⑦: C

① Model

② Series

③ Bearing
- F : High density Carbon bearing - Ceramic spindle
- R : Rulon bearing - Ceramic spindle
- A : Ceramic bearing - Sic/Ceramic spindle
- Si : Sic bearing - Sic spindle

④ O. Ring
- V : FKM
- N : NBR
- E : EPDM

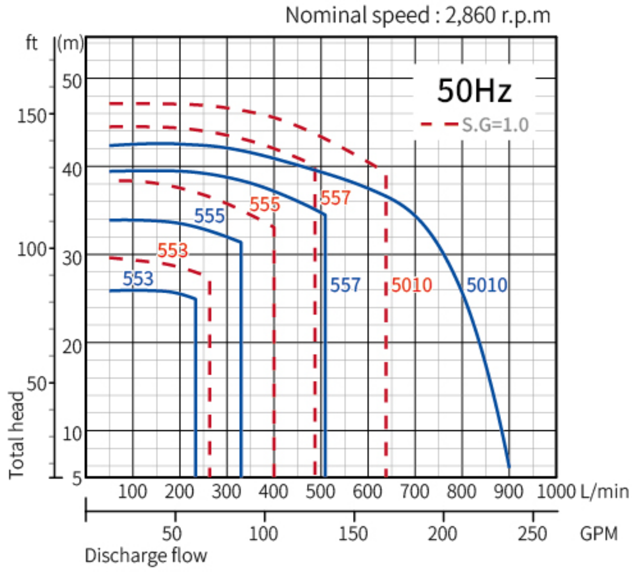
⑤ Impeller size
- S S.G=1.0
- L S.G=1.2
- M S.G=1.5
- H S.G=1.9

⑥ Motor output
- 22 : 2.2 kW
- 37 : 3.7 kW
- 55 : 5.5 kW
- 75 : 7.5 kW

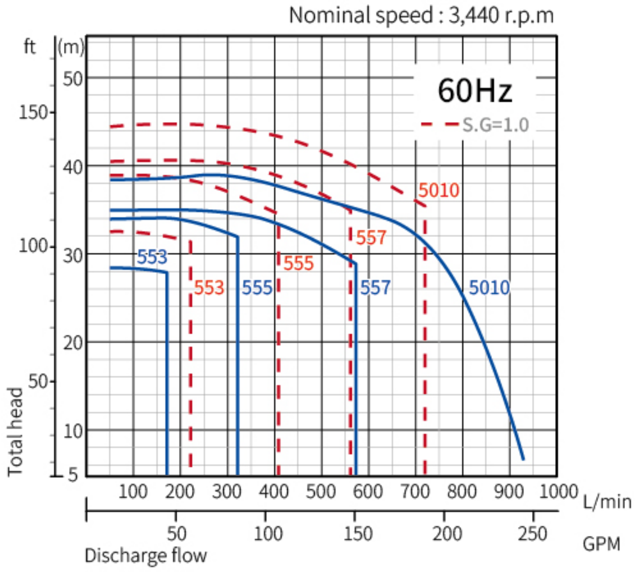
⑦ Required motor
- Without Indoor use
- With B Explosion proof
- C Weather proof

Pump performance curve

Nominal speed : 2,860 r.p.m



Nominal speed : 3,440 r.p.m

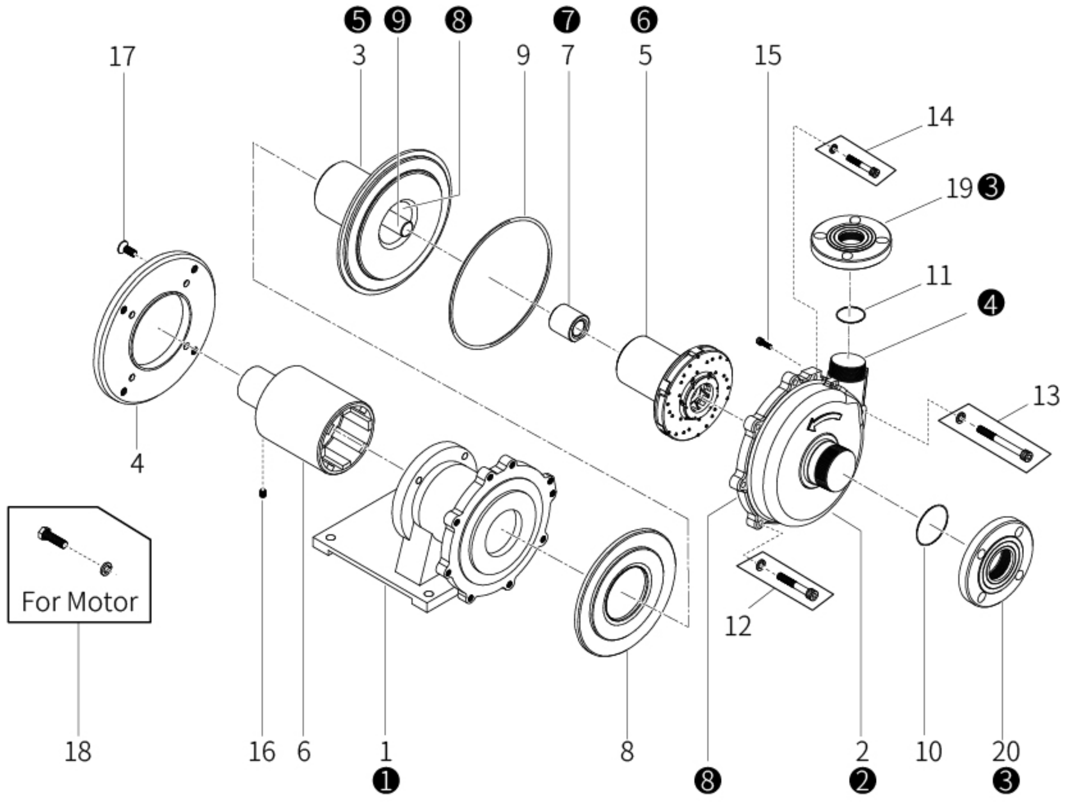


Specification table

Model	Flange size		Pump performance at specified point (m-L/min)			Applicable Motor output (kW)	Net weight w/t motor (kg)
	Inlet(mm)	Outlet(mm)	Specific Gravity	50Hz	60Hz		
NH-553PWH-F	65	50	1.0	29.0 - 200	32.0 - 200	2.2	77
			1.2	25.9 - 200	28.0 - 150		
			1.5	21.4 - 200	24.5 - 130		
			1.9	17.5 - 250	19.5 - 150		
NH-555PWH-F	65	50	1.0	32.0 - 400	35.0 - 400	3.7	89
			1.2	32.0 - 300	32.5 - 300		
			1.5	28.0 - 300	28.0 - 300		
			1.9	22.0 - 350	23.0 - 300		
NH-557PWH-F	65	50	1.0	40.0 - 500	36.5 - 500	5.5	121
			1.2	35.1 - 500	31.1 - 500		
			1.5	29.6 - 500	26.1 - 500		
			1.9	25.1 - 500	21.6 - 500		
NH-5010PWH-F	65	50	1.0	41.2 - 600	36.6 - 700	7.5	133
			1.2	37.0 - 600	32.6 - 700		
			1.5	32.0 - 600	29.0 - 600		
			1.9	27.5 - 600	24.0 - 600		

PWH / PWH-F Series

■ Parts List

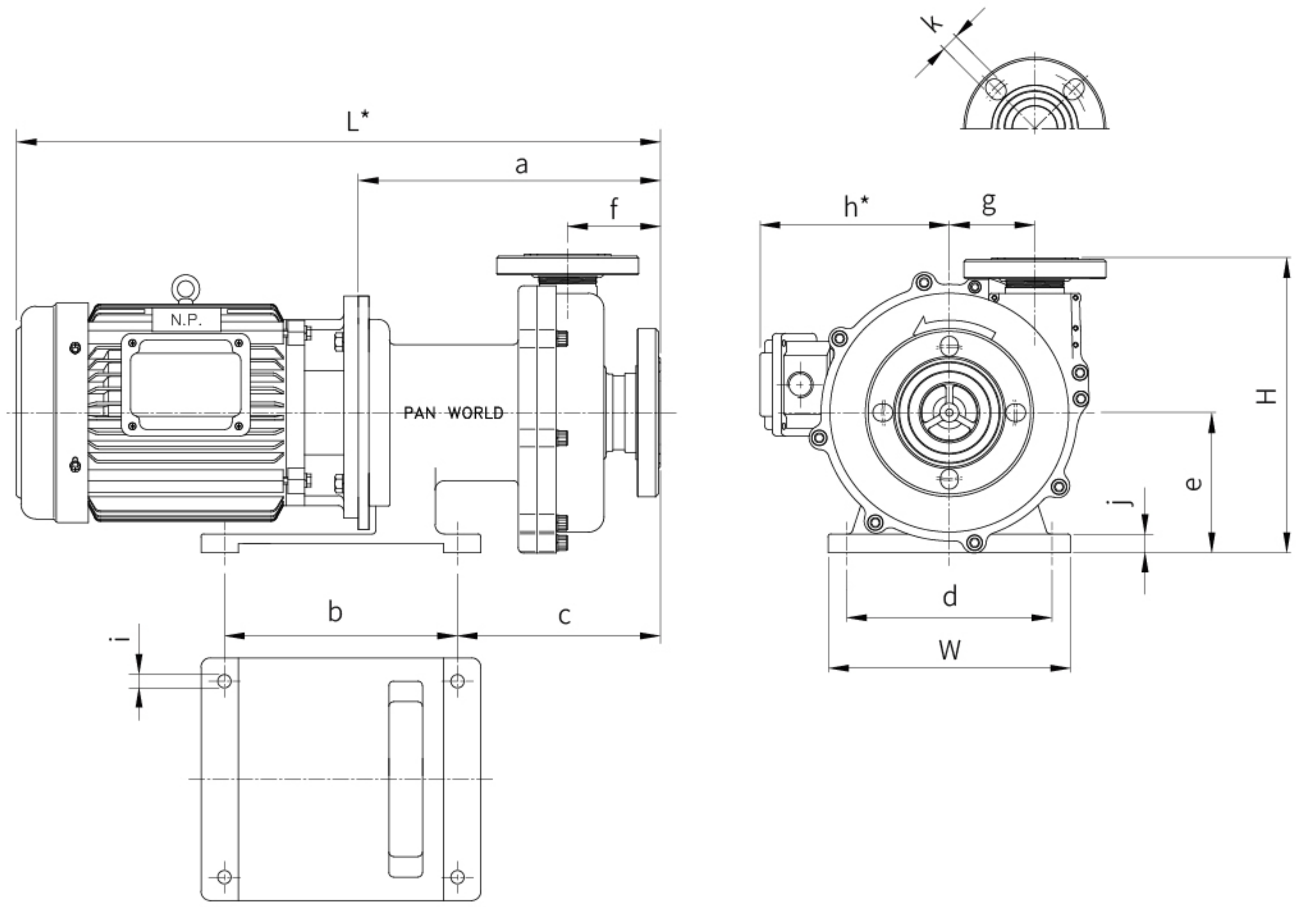


Position	Description
1	Bracket
2	Front casing + cover AB
3	Rear casing
4	Transition flange
5	Impeller ass'y
6	Outer drive ring
7	Bearing ass'y
8	Back up ring
9	O. Ring
10	O. Ring

Position	Description
11	O. Ring
12	Hexagon socket bolt w/t spring washer M10x40 (x6)
13	Hexagon socket bolt w/t spring washer M10x60 (x2)
14	Hexagon socket bolt w/t spring washer M8x40 (x1)
15	Hexagon socket bolt M6x16 (x4)
16	Set screw M8x10 (x2)
17	Counter sunk head bolt M10x20 (x4)
18	Hexagon head bolt w/t spring washer M12x30 (x4)
19	Flange (50mm)
20	Flange (65mm)

Part name	PWH series				PWH-F series			
	CV	RV	AV	Si	FV	RV	AV	Si
❶ Bracket	FC-200							
❷ Cover A & B								
❸ Flange	PPG				ETFE			
❹ Front casing								
❺ Rear casing								
❻ Impeller Ass'y								
❼ Bearing	H.D. Carbon	Rulon	Ceramic	Sic	H.D. Carbon	Rulon	Ceramic	Sic
❽ Thrust pad	Ceramic				Ceramic			
❾ Spindle								

■ Installation dimension



Model	W	H	L*	a	b	c	d	e	f	g	h*	i	j	k
NH-553PWH / PWH-F	260	316	596	313	250	218	210	150	100	91.7	170	14	20	19
NH-555PWH / PWH-F	260	316	690	325	250	218	210	150	100	91.7	203	14	20	19
NH-557PWH / PWH-F	260	366	710	345	270	218	210	200	100	91.7	(246)	14	20	19
NH-5010PWH / PWH-F	260	366	719	345	270	218	210	200	100	91.7	(246)	14	20	19

Unit : mm

Remarks :
1. This size in the table is shown with JIS motor.
2. Over all size & construction may be changed without notice.
3. * Depending on type of motor used.

PW-C Series (ETFE-Lined Metal Profile)

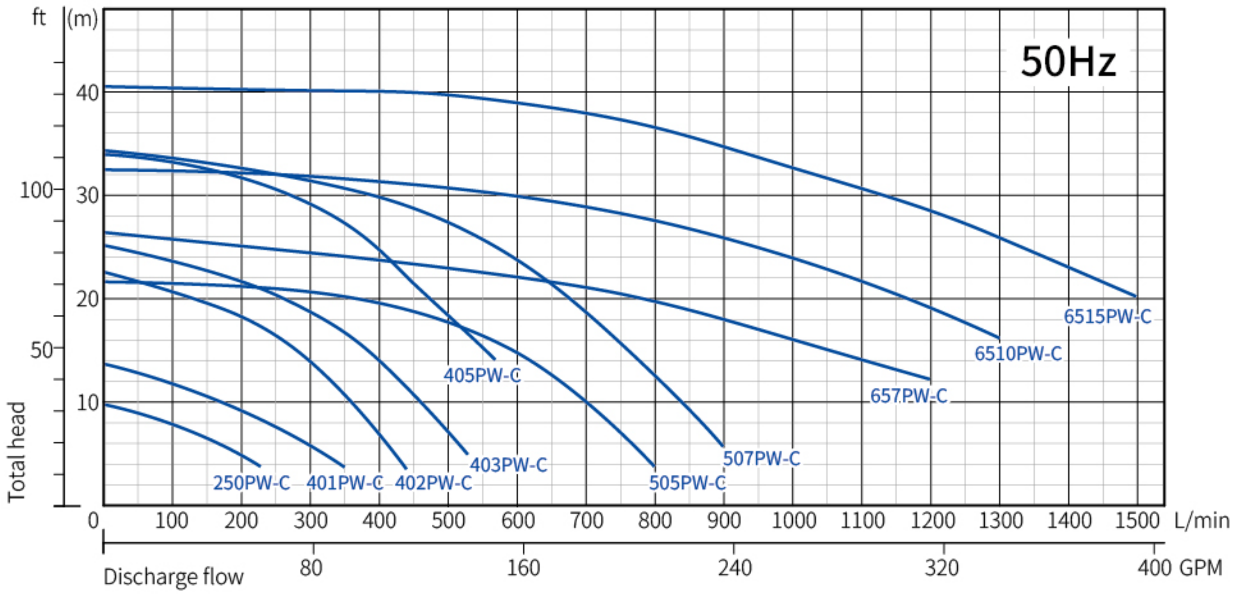
Heavy Duty Magnetic Drive Pumps for the Chemical Industry

- Built with ETFE-lined pumps and a cast iron exterior for enhanced durability and reinforcement.
- 11 models available for handling a wide range of chemicals.
- Adaptable with standard IEC and NEMA motors.

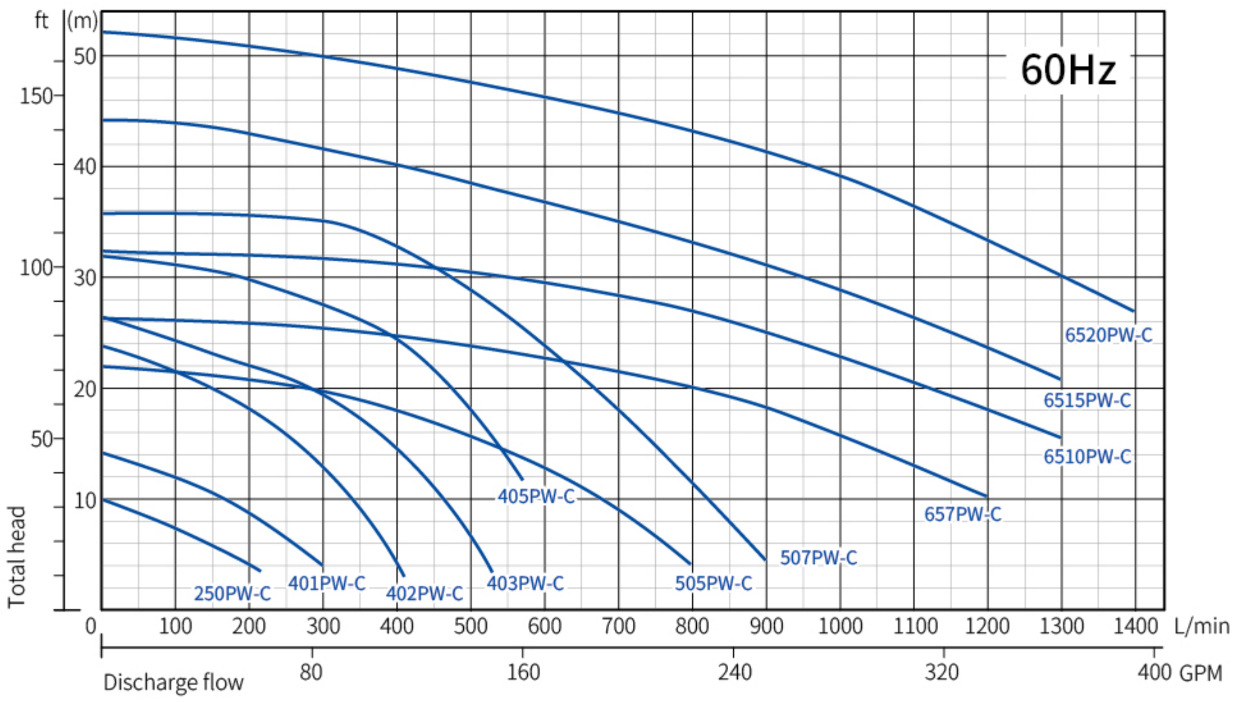
Materials in Contact	: ETFE
Max Flow	: 1,500 L/min
Max Head	: 42 m
Liquid Temp.	: 0°C~90°C
Motor Power	: 0.37 kW to 15 kW

Pump performance curve

Nominal speed : 2,860 r.p.m



Nominal speed : 3,440 r.p.m



Type indication

NH-400PW-C-FV-L-04C

400 ① PW-C ② F ③ V ④ L ⑤ 04 ⑥ C ⑦

① Model

② Series

③ Bearing

F : High density carbon bearing - Ceramic spindle
R : Rulon bearing - Ceramic spindle
A : Ceramic bearing - Sic/Ceramic spindle
Si : Sic bearing - Sic spindle

④ O. Ring

V : FKM
N : NBR
E : EPDM

⑤ Impeller

S : S.G=1.0
L : S.G=1.2
M : S.G=1.5
H : S.G=1.9

⑥ Motor output

04 : 0.37 kW
07 : 0.75 kW
15 : 1.5 kW
22 : 2.2 kW
37 : 3.7 kW
55 : 5.5 kW
75 : 7.5 kW
110 : 11 kW
150 : 15 kW

⑦ Required motor

Without Indoor use
With B Explosion proof
C Weather proof

Specification table

Model	Connection method		Pump performance at specified point (m-L/min)			Motor output (kW)	Net weight (kg)
	Inlet(mm)	Outlet(mm)	Specific Gravity	50Hz	60Hz		
NH-250PW-C	25	25	1.2	7.0 - 135	6.0 - 145	0.37	30
			1.5	5.8 - 140	5.0 - 140		
			1.9	4.7 - 115	3.9 - 115		
NH-401PW-C	40	40	1.2	9.3 - 200	9.5 - 180	0.75	40
			1.5	7.6 - 190	8.7 - 160		
			1.9	7.7 - 170	6.2 - 140		
NH-402PW-C	50	40	1.2	16.0 - 260	13.1 - 260	1.5	50
			1.5	14.0 - 260	13.2 - 260		
			1.9	11.0 - 240	10.9 - 220		
NH-403PW-C	50	40	1.2	18.0 - 320	17.4 - 320	2.2	58
			1.5	15.0 - 300	13.8 - 320		
			1.9	13.5 - 260	13.5 - 260		
NH-405PW-C	50	40	1.2	25.0 - 380	23.0 - 400	3.7	72
			1.5	22.5 - 350	20.3 - 350		
			1.9	20.0 - 290	15.2 - 400		
NH-505PW-C	65	50	1.2	16.7 - 550	15.5 - 520	3.7	80
			1.5	13.0 - 450	13.0 - 390		
			1.9	10.0 - 400	10.0 - 360		
NH-507PW-C	65	50	1.2	25.7 - 550	27.1 - 500	5.5	112
			1.5	17.3 - 450	15.1 - 500		
			1.9	14.4 - 400	13.7 - 400		
NH-657PW-C	80	50	1.2	19.2 - 800	20.4 - 800	5.5	124
			1.5	15.4 - 650	14.2 - 700		
			1.9	12.5 - 550	10.8 - 600		
NH-6510PW-C	80	50	1.2	24.7 - 950	25.0 - 950	7.5	149
			1.5	20.0 - 800	19.0 - 800		
			1.9	17.0 - 710	15.7 - 710		
NH-6515PW-C	80	50	1.2	32.0 - 1100	28.8 - 900	11	185
			1.5	24.5 - 900	25.0 - 900		
			1.9	20.0 - 800	20.5 - 800		
NH-6520PW-C	80	50	1.2	---	39.0 - 1050	15	185
			1.5	---	24.0 - 1100		
			1.9	---	24.0 - 950		

PWX-C Series (ETFE-Lined Metal Profile)

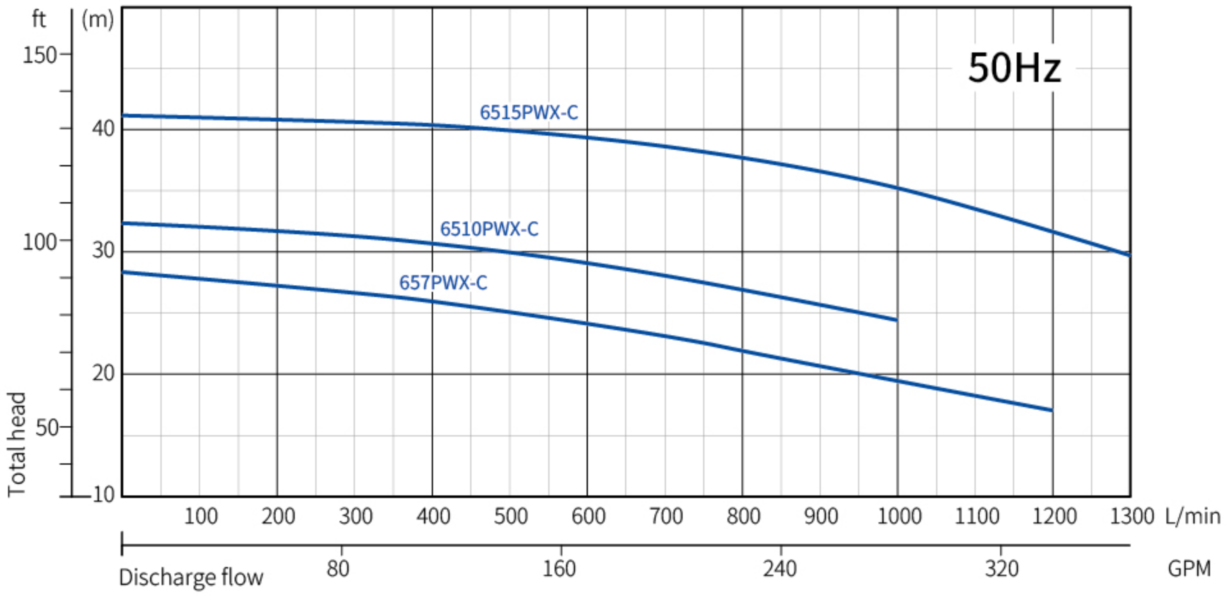
Heavy Duty Magnetic Drive Pumps for the Chemical Industry

- ETFE-lined pumps with a cast iron exterior for enhanced reinforcement and durability.
- Available in 3 models, capable of handling a wide range of chemicals.
- Adaptable to IEC standard motors and available with flange connections.

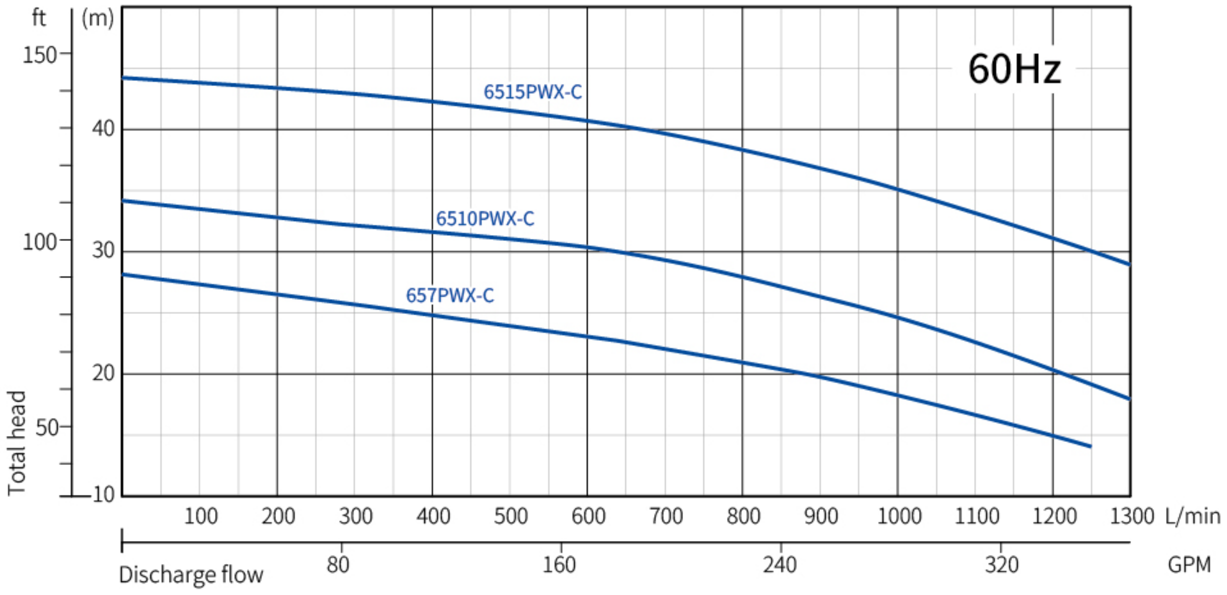
Materials in Contact	: ETFE
Max Flow	: 1,300 L/min
Max Head	: 44 m
Liquid Temp.	: 0°C~90°C
Motor Power	: 5.5 kW to 11 kW

Pump performance curve

Nominal speed : 2,860 r.p.m



Nominal speed : 3,440 r.p.m



Type indication

N H - 6 5 7 P W X - C - F V - L - 5 5 C

657 ①, PWX-C ②, F ③, V ④, L ⑤, 55 ⑥, C ⑦

① **Model**

② **Series**

③ **Bearing**

F : High density carbon bearing - Ceramic spindle
R : Rulon bearing - Ceramic spindle
A : Ceramic bearing - Sic/Ceramic spindle
Si : Sic bearing - Sic spindle

④ **O. Ring**

V : FKM
N : NBR
E : EPDM

⑤ **Impeller**

L : S.G=1.2
M : S.G=1.5
H : S.G=1.9

⑥ **Motor output**

55 : 5.5 kW
75 : 7.5 kW
110 : 11 kW

⑦ **Required motor**

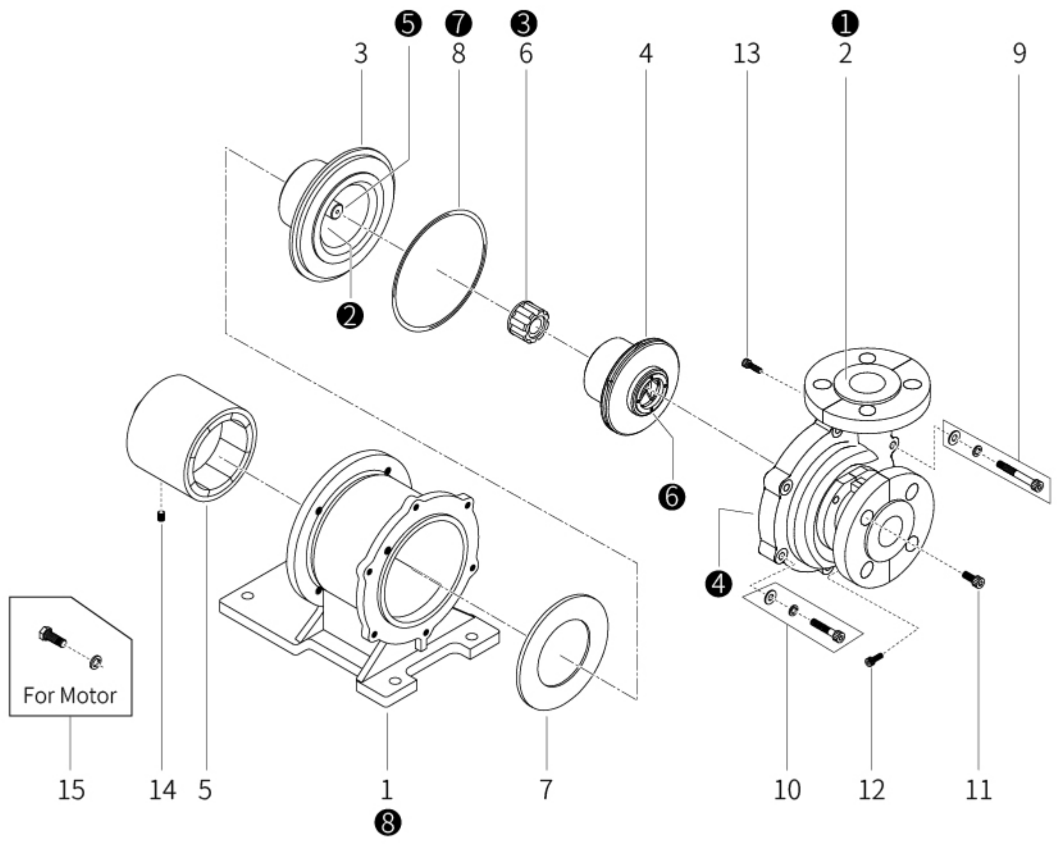
Without Indoor use
With B Explosion proof
C Weather proof

Specification table

Model	Connection method		Pump performance at specified point (m-L/min)			Motor output (kW)	Net weight (kg)
	Inlet(mm)	Outlet(mm)	Specific Gravity	50Hz	60Hz		
NH-657PWX-C	80	50	1.2	23.5 - 650	21.6 - 800	5.5	124
			1.5	20.3 - 650	18.5 - 700		
			1.9	17.5 - 550	---		
NH-6510PWX-C	80	50	1.2	25.0 - 950	25.0 - 950	7.5	149
			1.5	22.7 - 800	22.6 - 800		
			1.9	18.2 - 800	18.1 - 800		
NH-6515PWX-C	80	50	1.2	34.5 - 1100	36.0 - 900	11	185
			1.5	27.0 - 900	30.0 - 900		
			1.9	24.8 - 800	26.0 - 800		

PW-C / PWX-C Series

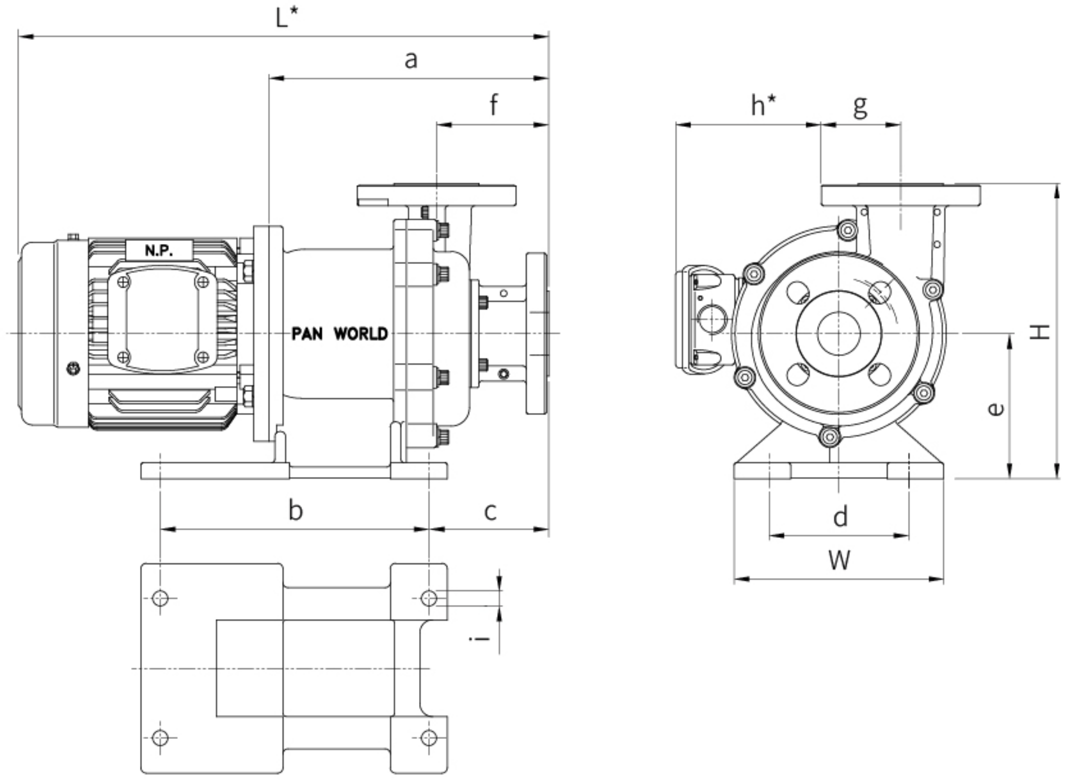
Parts List



Position	Description
1	Bracket
2	Casing
3	Rear casing
4	Impeller ass'y
5	Outer drive ring
6	Bearing ass'y
7	Back up ring
8	O.Ring
9	Hexagon socket bolt w/t spring washer w/t plain washer
10	Hexagon socket bolt w/t spring washer (x5) w/t plain washer
11	Hexagon socket bolt (x4)
12	Hexagon socket bolt (x2)
13	Hexagon socket bolt (x3)
14	Set screw (x2)
15	Hexagon head bolt w/t spring washer (x4)

Part name	PW-C / PWX-C series			
	FV	RV	AV	Si
❶ **Casing**	Carbon fiber reinforced tetra fluorthylene			
❷ **Holder**				
❸ **Bearing**	H.D. Carbon	Rulon	Ceramic	Sic Ceramic
❹ **Thrust pad**	High purity Ceramic			
❺ **Spindle**				
❻ **Mouth ring**	Rulon			
❼ **O Ring**	FKM			
❽ **Bracket / Cover**	Grey cast iron			

Installation dimension



Model	W	H	L*	a	b	c	d	e	f	g	h*	i
NH-250PW-C	155	237	477	234	146	95	110	115	88	51	146	14
NH-401PW-C	195	275	493	260	250	111	130	135	104.5	57.5	152	14
NH-402PW-C	200	295	574	291	275	106	140	155	87	65	170	14
NH-403PW-C	200	295	574	291	275	106	140	155	87	65	170	14
NH-405PW-C	200	295	678.5	312.5	275	106	140	155	87	65	203	14
NH-505PW-C	260	325	715	349	305	130	210	175	110	62	203	14
NH-507PW-C	260	325	709	369	305	130	210	175	110	62	252	14
NH-657PW-C / PWX-C	280	360	718	378	320	193	220	175	118	0	252	14
NH-6510PW-C / PWX-C	280	360	752	378	320	193	220	175	118	0	252	14
NH-6515PW-C / PWX-C	350	385	912	408	320	193	300	200	118	0	288	14
NH-6520PW-C	350	385	912	408	320	193	300	200	118	0	288	14

Unit : mm

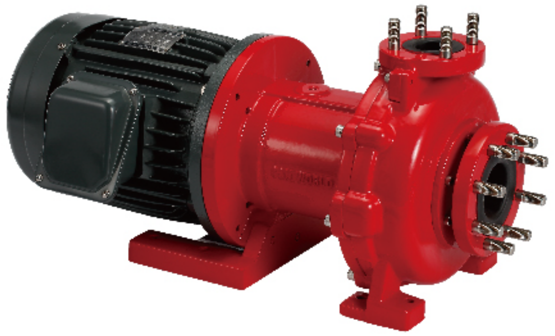
Remarks: :
1. JIS, ISO, NEMA or explosion motor is available.
2. NH-657, 6510, 6515, 6520 PW-C are top centre discharge.
3. * Depending on type of motor used.
4. Over all size & part construction will be changed without notice.

PW-XJ Series (ETFE-Lined Metal Profile)

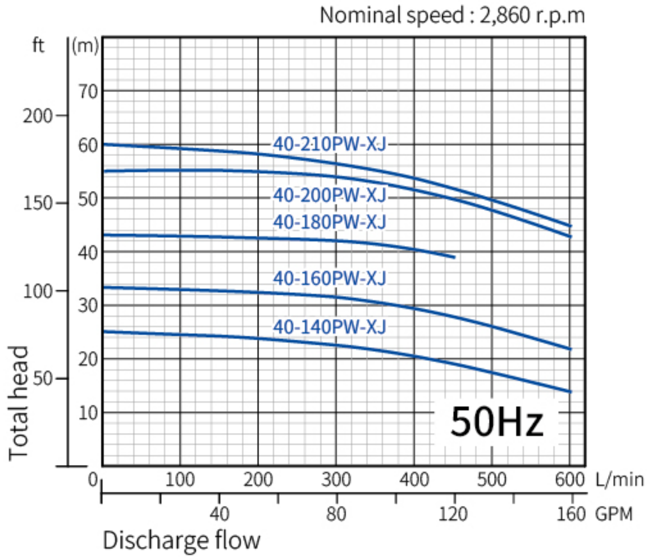
ISO Standard Magnetic Drive Pumps for the Chemical Industry

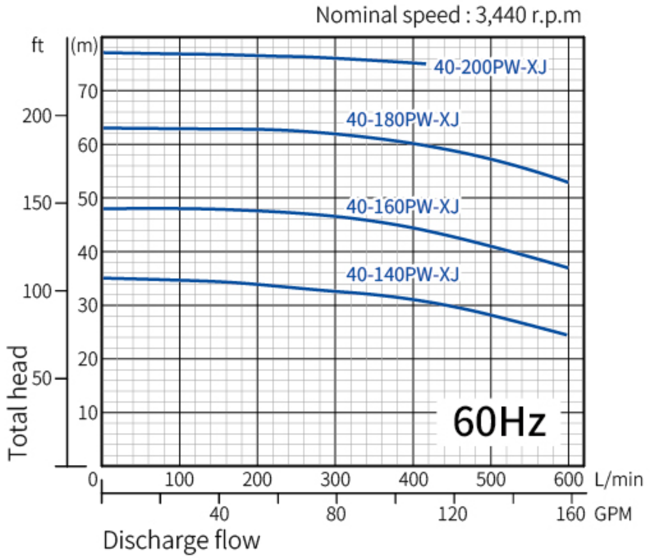
- ETFE-lined pumps with a cast iron exterior for enhanced reinforcement and durability.
- Available in 5 models, capable of handling a wide range of chemicals.
- Adaptable to IEC, JIS, CNS, and NEMA-C standard motors.
- Features ISO-16 Bar standard flanges for secure connections.

Materials in Contact : ETFE
Max Flow : 600 L/min
Max Head : 77 m
Liquid Temp. : 0°C~90°C
Motor Power : 5.5 kW to 11 kW



Pump performance curve





Type indication

NH-40-200PW-XJ-FV-S-110-C

① 40 ② 200 ③ PW-XJ ④ F ⑤ V ⑥ S ⑦ 110 ⑧ C

① Nominal bore of discharge bore size

② Nominal impeller diameter

③ Series name

④ Combination of abrasion parts

⑤ O. Ring
V : FKM
N : NBR
E : EPDM
A : AFLAS

⑥ Impeller Diameter
No mark : standard diameter
with S : optional diameter

⑦ Motor output
55 : 5.5 kW
75 : 7.5 kW
110 : 11 kW

⑧ Required motor
Without Indoor use
With B Explosion proof
C Weather proof

Specification table

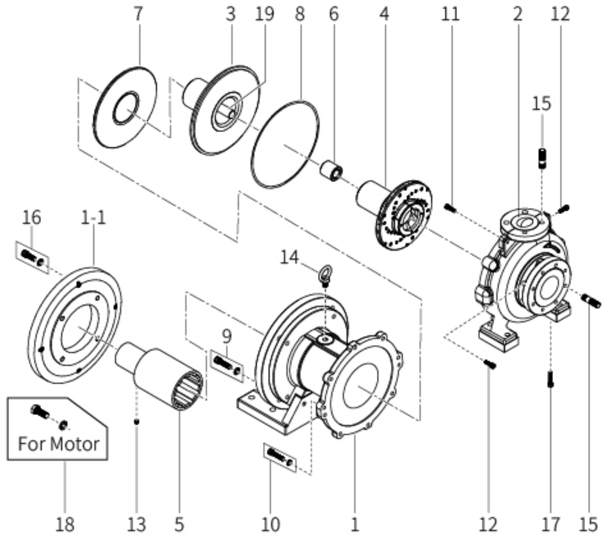
Model	Flange size inlet x outlet	Max point , m - L/min		Duty point , m - L/min		Power kW requirement
		50Hz	60Hz	50Hz	60Hz	
NH-40-140PW-XJ	ISO-16 Bar 65A x 40A	25 - 600	36 - 600	20 - 417	31 - 417	3.5 / 5.0
NH-40-160PW-XJ		34 - 600	48 - 600	29 - 417	44 - 417	4.9 / 7.5
NH-40-180PW-XJ		44 - 600	63 - 600	40 - 417	60 - 417	7.5 / 11.0
NH-40-200PW-XJ		55 - 600	77 - 600	51 - 417	75 - 417	9.3 / 13.5
NH-40-210PW-XJ		60 - 600	---	53 - 417	---	10.5 / ---

Allowable S.G. and required motor output

Model	S.G : 1.0	S.G : 1.2	S.G : 1.5	S.G : 1.9
NH-40-140PW-XJ-□□-□-55-□	5.5 kW	5.5 kW	7.5 kW	11 kW
NH-40-160PW-XJ-□□-□-75-□	7.5 kW	7.5 kW	11 kW	*11 kW
NH-40-180PW-XJ-□□-□-75-□	7.5 kW	11 kW	11 kW	*11 kW
NH-40-200PW-XJ-□□-□-110-□	11 kW	11 kW	*11 kW	*11 kW
NH-40-210PW-XJ-□□-□-110-□	11 kW	11 kW	*11 kW	*11 kW

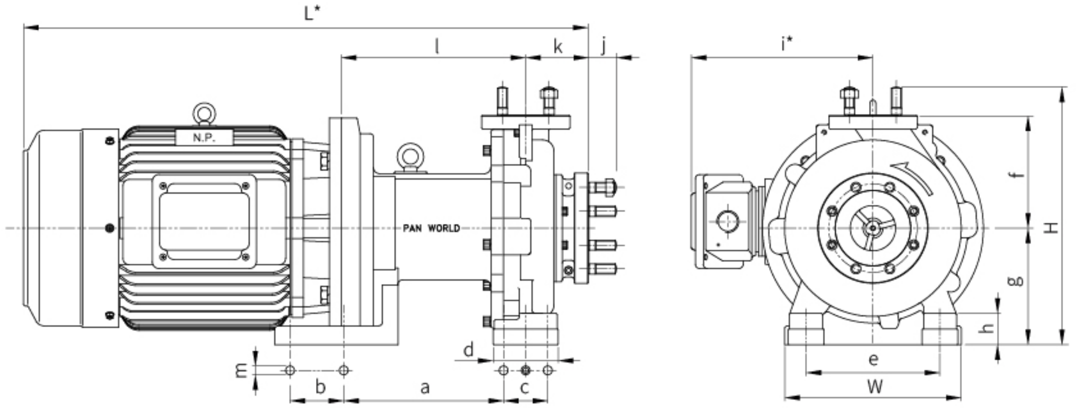
Note : 1. Pump mode with *mark requires trimming impeller diameter according to specific gravity, viscosity and applicable motor.
2. In case of pump performance curve at 60Hz according each specific, diameter of impaller should be trimmed.

Parts List



Position	Description
1	Bracket
1-1	Transition flange
2	Casing
3	Rear casing
4	Impeller ass'y
5	Outer drive ring
6	Bearing ass'y
7	Back up ring
8	O. Ring
9	Hexagon socket bolt w/t spring washer (x3)
10	Hexagon socket bolt w/t spring washer (x8)
11	Hexagon socket bolt M8x25 (x2)
12	Hexagon socket bolt M8x20 (x6)
13	Set screw (x2)
14	Eye bolt
15	Stud bolt (x12)
16	Hexagon socket bolt w/t spring washer (x4)
17	Hexagon socket bolt M8x30 (x2)
18	Hexagon head bolt w/t spring washer (x4)
19	Spindle

Installation dimension



Model	W	H	L*	a	b	c	d	e	f	g	h	i*	j	k	l	m
NH-40-140PW-XJ (5.5kW)	280	385	702.5	253	85	70	100	212	180	160	25	252	45	100	262.5	14
NH-40-160PW-XJ (7.5kW)	280	385	736.5	253	85	70	100	212	180	160	25	252	45	100	262.5	14
NH-40-180PW-XJ (7.5kW)	280	385	736.5	253	85	70	100	212	180	160	25	252	45	100	262.5	14
NH-40-200PW-XJ (11kW)	280	410	896.5	253	85	70	100	212	180	185	50	288	45	100	292.5	14
NH-40-210PW-XJ (11kW)	280	410	896.5	253	85	70	100	212	180	185	50	288	45	100	292.5	14

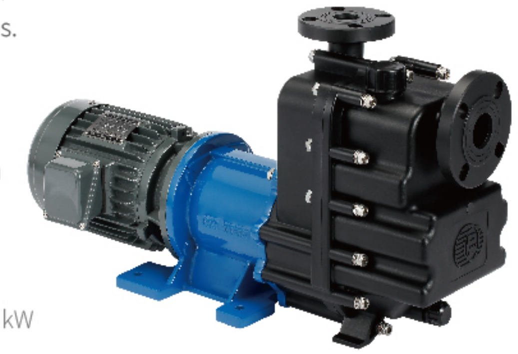
Remarks :
Unit : mm
1. Over all size & construction may be changed without notice.
2. Dimensions are based on S.G. 1.0.
3. * Depending on type of motor used.

PW-N Series (Glass fiber-reinforced PP)
PW-N-K Series (Fluorine Resin)

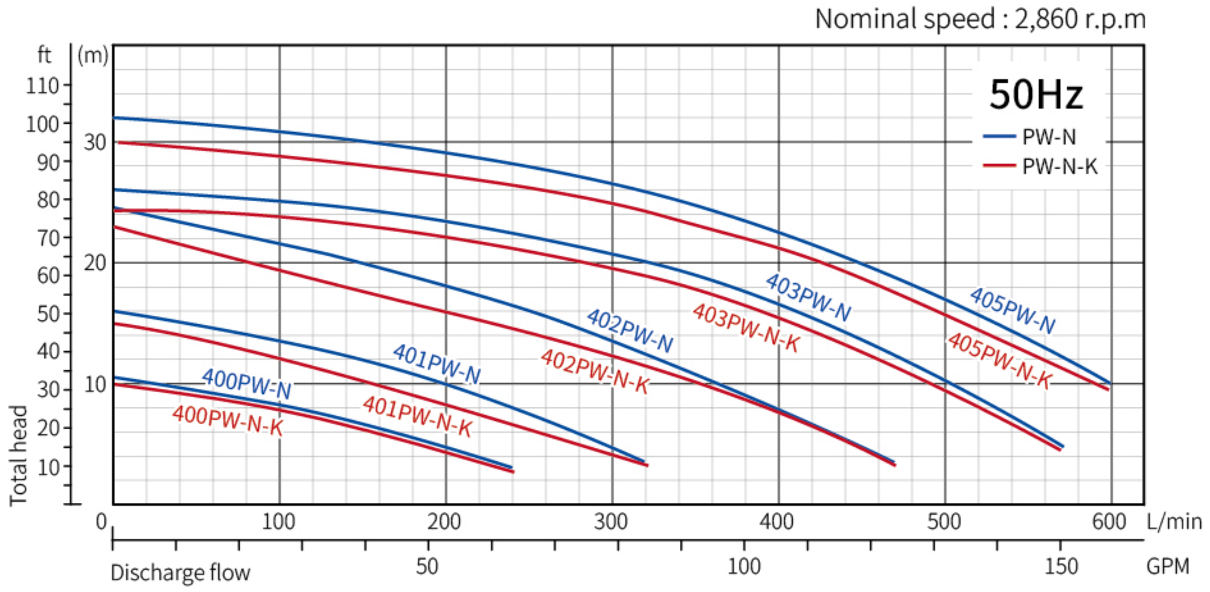
Self-Priming Magnetic Drive Pump

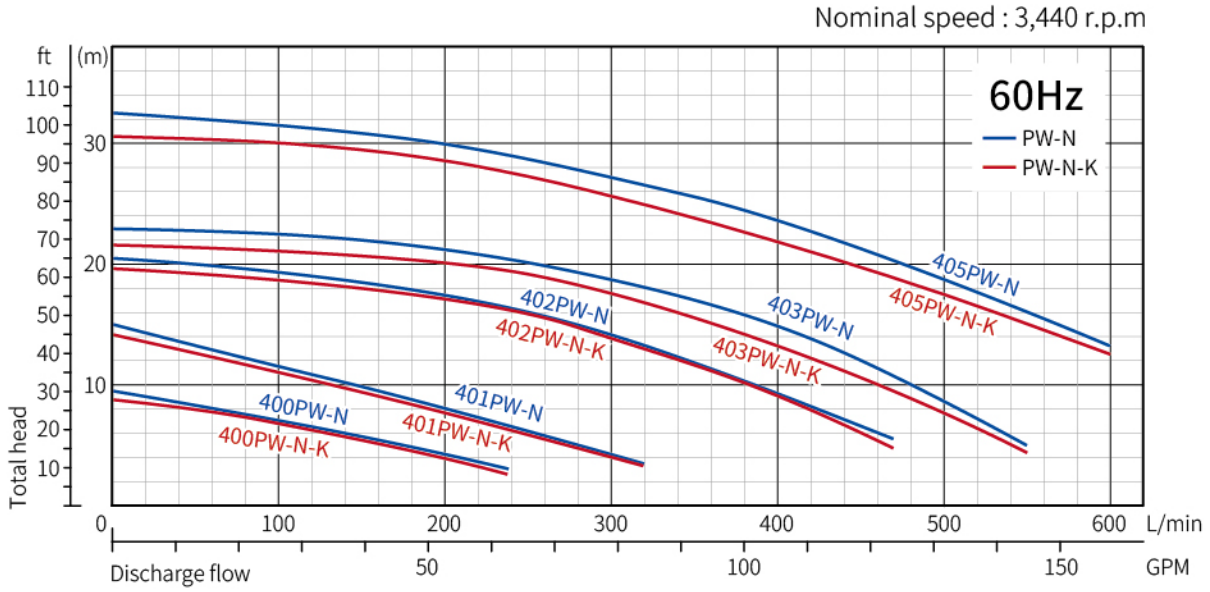
- Precision injection parts for enhanced durability from glass-fiber reinforced PP or Fluorine Resin.
- Advanced design ensures effective gas and liquid separation.
- 10 models available with a maximum suction lift head of up to 4 m.
- Compatible with worldwide standard motors and pipe connections.

Model	PW-N	PW-N-K
Materials in Contact	: Glass fiber-reinforced PP	Fluorine Resin
Max Flow	: 600 L/min	600 L/min
Max Head	: 32.5 m	30.5 m
Liquid Temp.	: 0°C~70°C	0°C~80°C
Motor Power	: 0.37 kW to 3.7 kW	0.37 kW to 3.7 kW



Pump performance curve





Type indication

NH-400PW-N-CV-F-L-5

40 ①, 0 ②, PW-N ③, C ④, V ⑤, F ⑥, L ⑦, 5 ⑧

① Bore
Discharge bore 40mm

② Motor output
0 : 0.37 kW
1 : 0.75 kW
2 : 1.5 kW
3 : 2.2 kW
5 : 3.7 kW

③ Series
PW-N : GFRPP
PW-N-K : Fluorine Resin

④ Bearing
PW-N : C : Carbon
R : Rulon
PW-N-K : F : Carbon
R : Rulon

⑤ O. Ring
V : FKM
E : EPDM

⑥ Connection method
F : Flange
G : BS Thread
N : NPT Thread

⑦ Impeller
PW-N : L S.G=1.1
M S.G=1.3
PW-N-K : L S.G=1.2
M S.G=1.5
H S.G=1.9

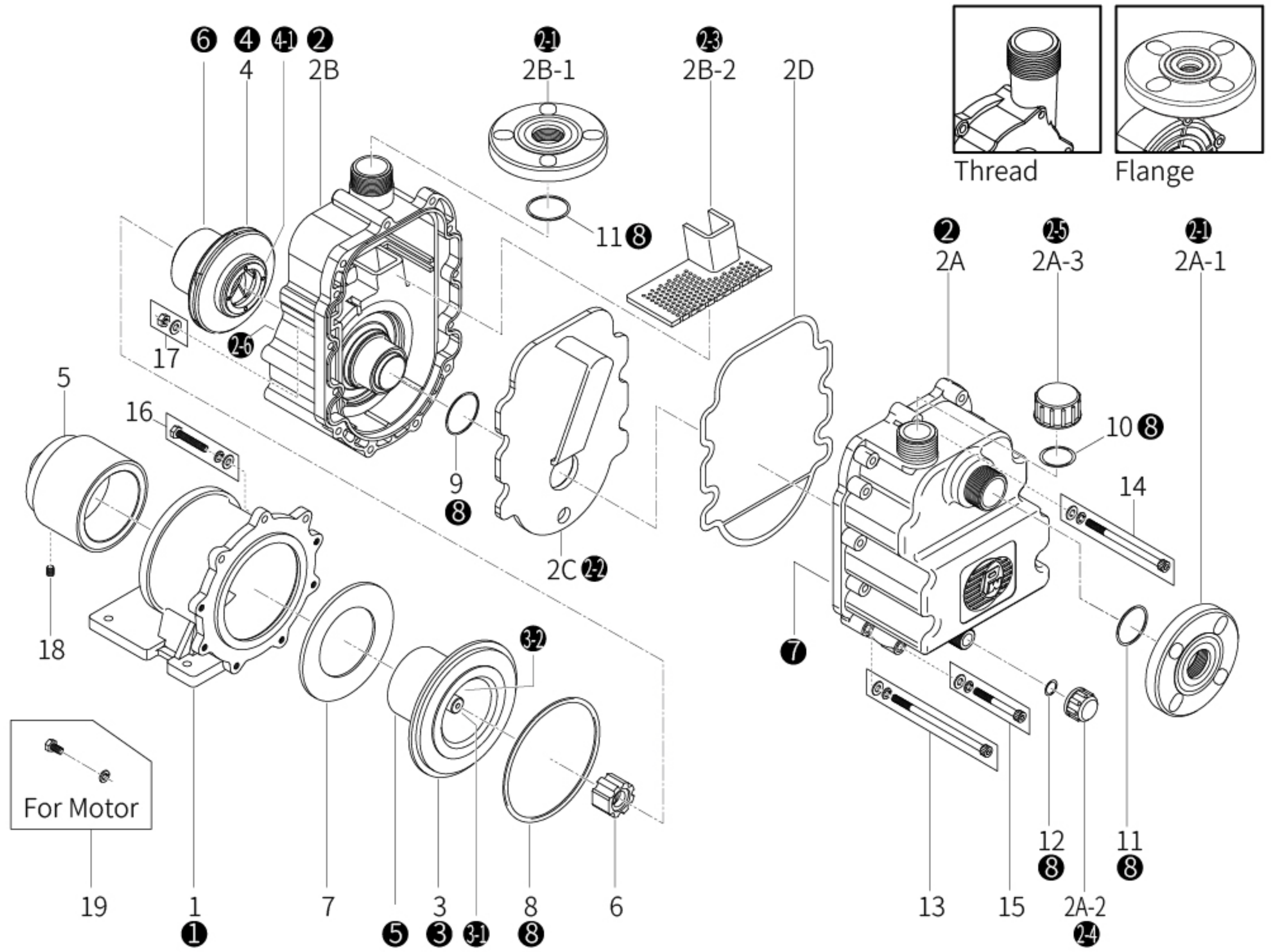
⑧ Frequency
5 : 50 Hz
6 : 60 Hz

Specification table

Model	Connection method		S.G.	Performance (m-L/min)				Max Self Priming Lift head at S.G 1.0 (m)	Motor (kW)
	Flange (mm)	B. Thread (”)		Max capacity - max discharge		Capacity-discharge head at specified point			
	In x Outlet	In x Outlet		50Hz	60Hz	50Hz	60Hz		
NH-400PW-N	40 x 40	1 $^{1}/_{2}$ x 1 $^{1}/_{2}$	1.1	10.5 - 240	9.5 - 240	7.0 - 140	6.0 - 140	3	0.37
			1.3	8.5 - 200	8.5 - 200	5.0 - 160	6.0 - 120		
NH-401PW-N	40 x 40	1 $^{1}/_{2}$ x 1 $^{1}/_{2}$	1.1	16.0 - 320	15.0 - 320	10.0 - 200	8.0 - 200	3.3	0.75
			1.3	14.0 - 290	12.5 - 290	10.0 - 160	9.0 - 160		
NH-402PW-N	50 x 40	2 x 1 $^{1}/_{2}$	1.1	24.5 - 470	20.5 - 470	16.0 - 250	16.0 - 250	4	1.5
			1.3	22.0 - 450	19.0 - 450	14.0 - 265	13.0 - 265		
NH-403PW-N	50 x 40	2 x 1 $^{1}/_{2}$	1.1	26.0 - 570	23.0 - 570	21.0 - 280	19.0 - 290	4	2.2
			1.3	23.0 - 550	21.0 - 550	18.0 - 240	18.0 - 240		
NH-405PW-N	50 x 40	2 x 1 $^{1}/_{2}$	1.1	32.0 - 600	32.5 - 600	25.0 - 330	26.0 - 330	4	3.7
			1.3	32.0 - 600	31.0 - 570	25.0 - 330	23.0 - 320		
NH-400PW-N-K	40 x 40	1 $^{1}/_{2}$ x 1 $^{1}/_{2}$	1.2	10.0 - 240	9.0 - 240	6.5 - 140	6.0 - 140	3	0.37
			1.5	8.5 - 240	7.5 - 240	5.5 - 140	5.5 - 140		
			1.9	7.5 - 240	6.5 - 240	5.0 - 140	5.5 - 120		
NH-401PW-N-K	40 x 40	1 $^{1}/_{2}$ x 1 $^{1}/_{2}$	1.2	15.0 - 320	14.0 - 320	10.5 - 170	10.0 - 180	3.3	0.75
			1.5	13.0 - 320	12.0 - 320	9.5 - 160	8.0 - 190		
			1.9	11.0 - 320	10.5 - 320	8.0 - 160	6.5 - 220		
NH-402PW-N-K	50 x 40	2 x 1 $^{1}/_{2}$	1.2	23.0 - 470	19.5 - 470	17.0 - 210	17.5 - 200	4	1.5
			1.5	20.0 - 470	16.5 - 470	13.5 - 250	13.0 - 230		
			1.9	20.0 - 470	14.0 - 470	12.0 - 230	11.5 - 270		
NH-403PW-N-K	50 x 40	2 x 1 $^{1}/_{2}$	1.2	24.5 - 570	21.5 - 570	17.0 - 360	16.0 - 360	4	2.2
			1.5	21.0 - 570	18.5 - 570	15.0 - 340	13.0 - 380		
			1.9	18.0 - 570	16.0 - 570	12.5 - 360	12.0 - 340		
NH-405PW-N-K	50 x 40	2 x 1 $^{1}/_{2}$	1.2	30.0 - 600	30.5 - 600	24.0 - 330	24.5 - 330	4	3.7
			1.5	26.0 - 600	26.5 - 600	19.0 - 380	21.0 - 330		
			1.9	22.0 - 600	22.5 - 600	17.0 - 360	18.0 - 330		

PW-N / PW-N-K Series

Parts List

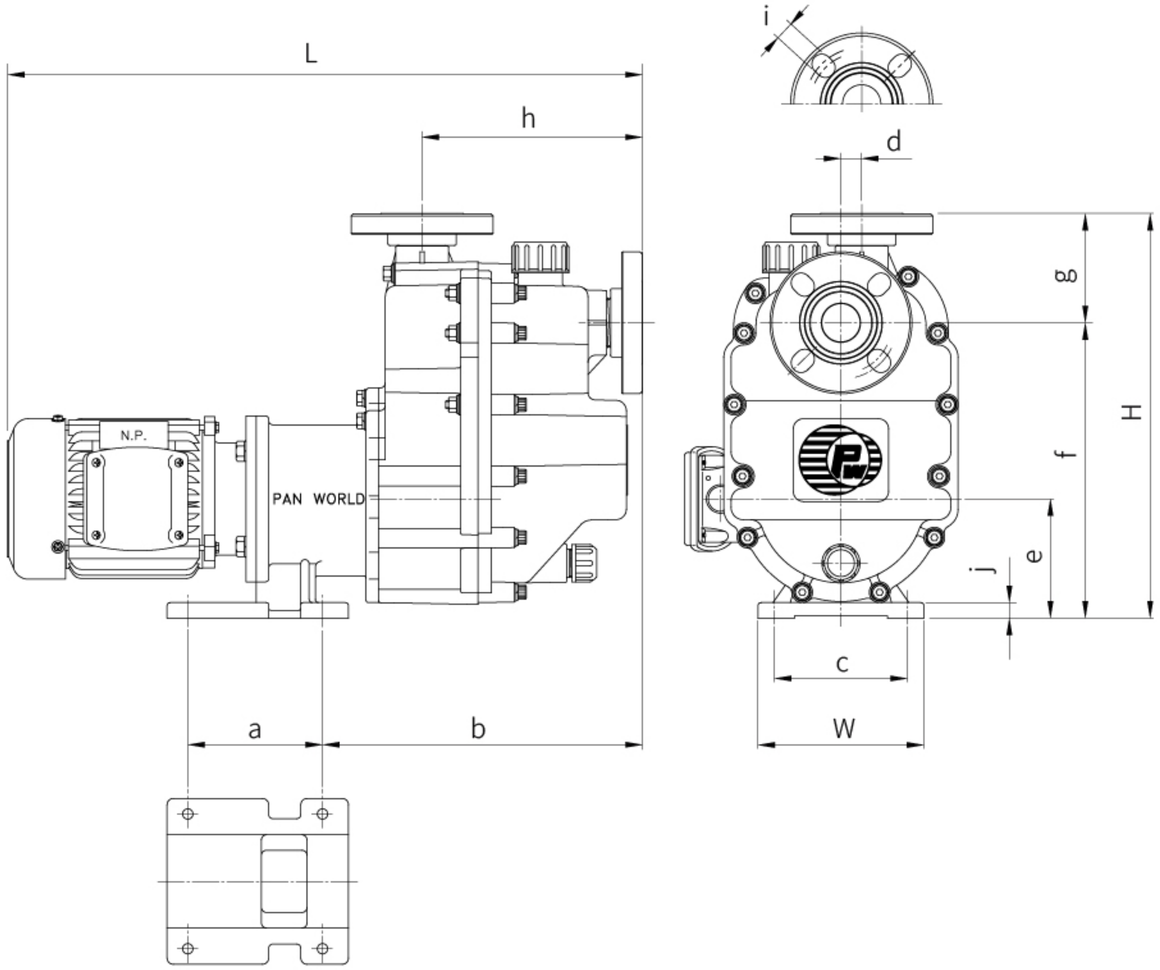


Position	Description
1	Bracket
2	Self-priming chamber
2A	Front casing chamber
2A-1	Flange
2A-2	Drain cap
2A-3	Filler cap
2B	Rear casing chamber
2B-1	Flange
2B-2	Filter
2C	Telescopic piece
2D	Gasket
3	Rear casing
4	Impeller ass'y
5	Outer drive ring
6	Bearing ass'y
7	Back up ring
8	O. Ring
9	O. Ring
10	O. Ring
11	O. Ring (x2)
12	O. Ring
13	Hexagon socket bolt w/t spring washer (x6) w/t plain washer
14	Hexagon socket bolt w/t spring washer w/t plain washer
15	Hexagon socket bolt w/t spring washer (x6) w/t plain washer

Position	Description
16	Hexagon head bolt w/t spring washer (x3) w/t plain washer
17	NUT w/t plain washer (x7)
18	Set screw (x2)
19	Hexagon head bolt w/t spring washer (x4)

Part name	PW-N		PW-N-K			
	CV	CE	RV	FV	RE	FE
❶ Bracket	FC-200					
❷ Self-priming chambers	GFRPP		Fluorine Resin			
(2-1) Flange						
(2-2) Telescopic piece						
(2-3) Filter						
(2-4) Drain cap						
(2-5) Filler cap						
(2-6) Thrust pad	99.5% Alumina ceramic					
❸ Rear casing	GFRPP		ETFE			
(3-1) Spindle	99.5% Alumina ceramic					
(3-2) Rear thrust pad						
❹ Impeller	GFRPP		ETFE			
(4-1) Mouth ring	Rulon LD					
❺ Magnet capsule	GFRPP		ETFE			
❻ Bearing	Carbon		Rulon LD	Carbon	Rulon LD	Carbon
❼ Gasket	FKM	EPDM	FKM		EPDM	
❽ O Ring						

Installation dimension



Model	W	H	L	a	b	c	d	e	f	g	h	i	j
NH-400PW-N / PW-N-K	160	390.5	612.5	130	308.5	130	20	115	285	105.5	212.5	19	15
NH-401PW-N / PW-N-K	160	390.5	614.5	130	308.5	130	20	115	285	105.5	212.5	19	15
NH-402PW-N / PW-N-K	260	420.5	793.5	200	333	208	30	115	315	105.5	250	19	15
NH-403PW-N / PW-N-K	260	420.5	793.5	200	333	208	30	115	315	105.5	250	19	15
NH-405PW-N / PW-N-K	260	435.5	863	200	333	208	30	130	330	105.5	250	19	30

Unit : mm

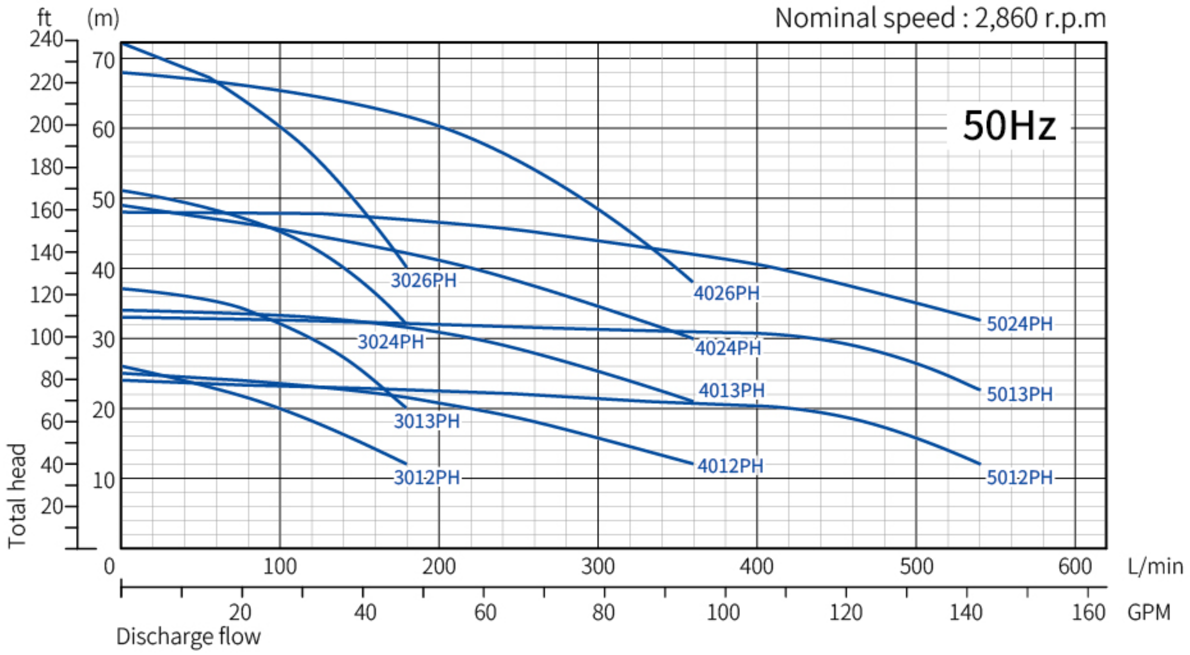
PH Series (Glass fiber-reinforced PPS)

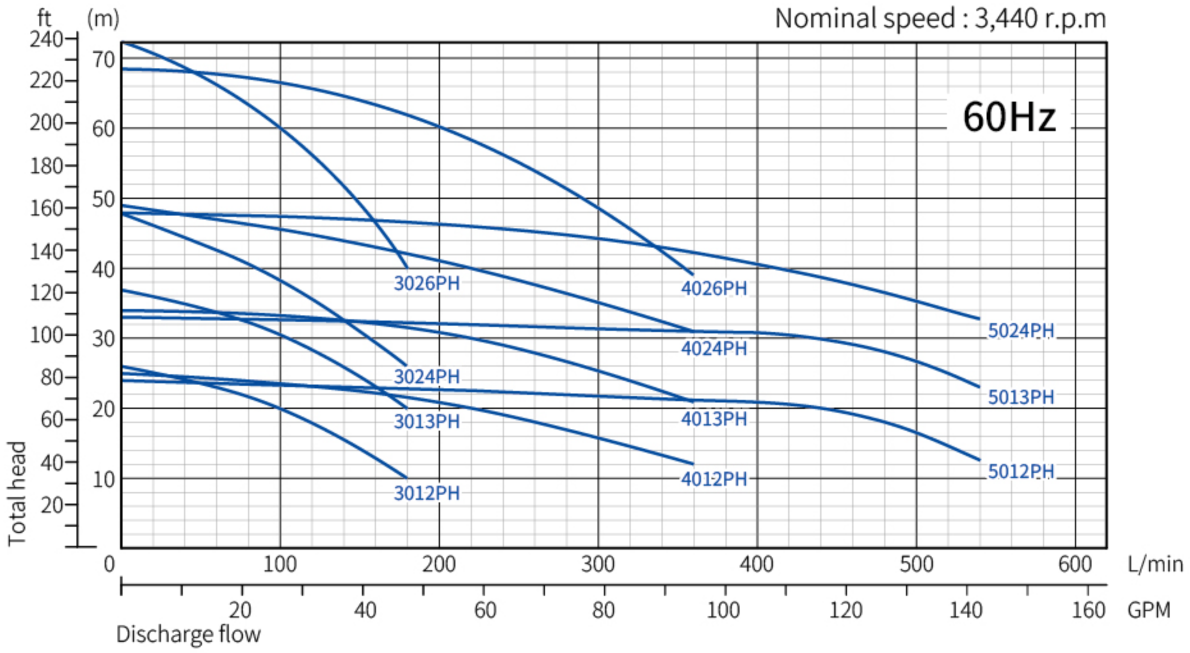
1.5-11kW, Max Spec. point: T.D.H. 70m at 540 L/min
Single Stage and Multi-Stage Compact Magnetic Drive Pump

- Offered in single-stage and 2-stage configurations with precision injection parts.
- Designed for P.C.B. machines, Filtration, and Etching systems.
- Compatible with IEC motors and NEMA-C face options.
- Suitable for various chemicals with BS thread, NPT thread, or flange connections.

Materials in Contact	: Glass fiber-reinforced PPS
Max Flow	: 540 L/min
Max Head	: 70 m
Liquid Temp.	: 0°C~70°C
Motor Power	: 1.5 kW to 11 kW

Pump performance curve





Type indication

N H - 3 0 1 2 P H - C V - G - 0 7 C - 0 5
① ② ③ ④ ⑤ ⑥ ⑦

① Model

② Series

③ Combination of abrasion parts
CV : Carbon bearing * Ceramic spindle * FKM O ring
S i : Sic bearing * Sic spindle * FKM O ring

④ Pipe connection
G : BS thread
N : NPT thread
F : Flange

⑤ Motor output
07 : 0.75 kW
15 : 1.5 kW
22 : 2.2 kW
37 : 3.7 kW
55 : 5.5 kW
75 : 7.5 kW
110 : 11 kW

⑥ Required motor
Without Indoor use
With B Explosion proof
C Weather proof

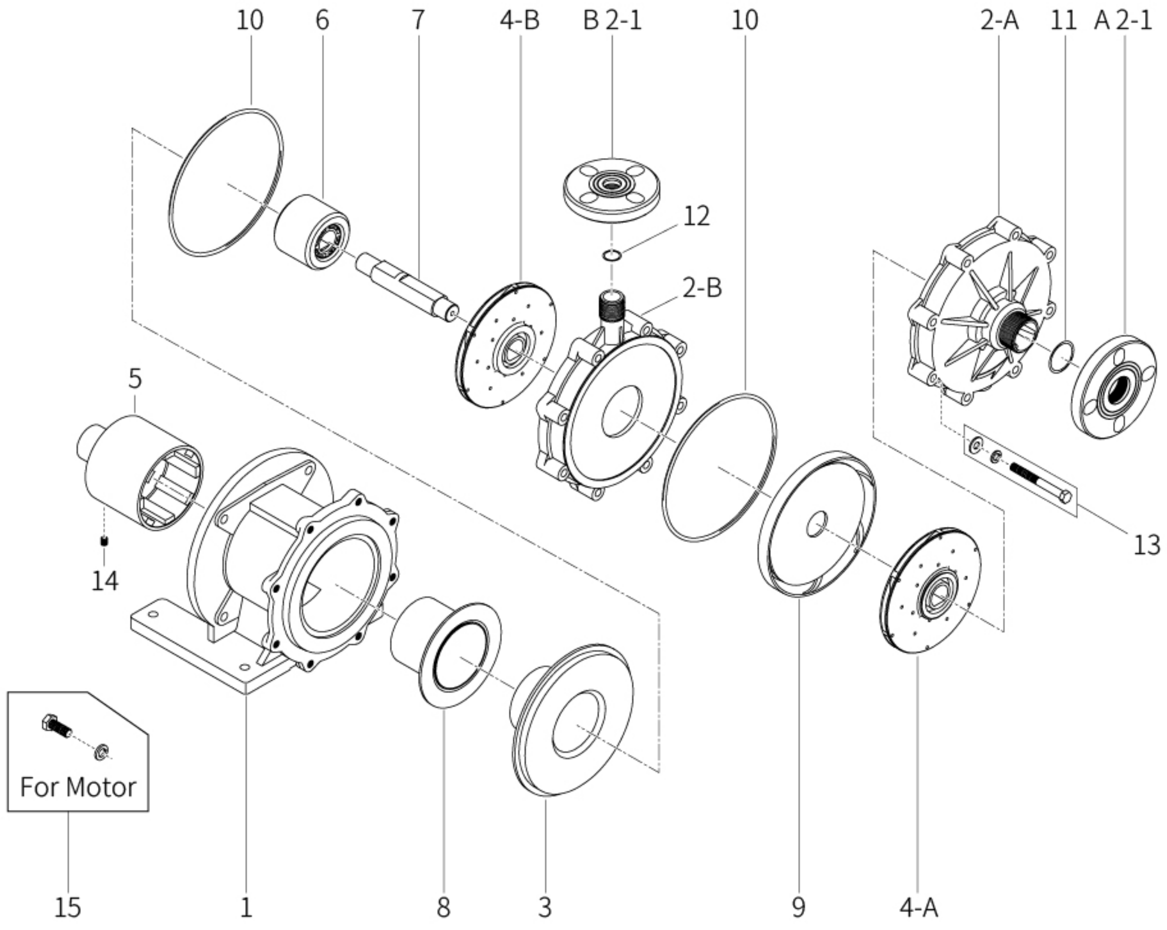
⑦ Frequency
5 : 50 Hz
6 : 60 Hz

Specification table

Model	Pipe connection	Pump performance		motor kW at L/min discharge flow	Applicable motor (kW)		
	Inlet × outlet (mm)	Max. point m-L/min	Specified point m-L/min		S.G. 1.0	S.G. 1.3	S.G. 1.5
NH-3012PH	40 x 25	26 - 180	20 - 100	at 100	1.5	1.5	2.2
NH-3013PH		36 - 180	30 - 100		2.2	2.2	3.7
NH-3024PH		51 - 180	40 - 100		3.7	3.7	5.5
NH-3026PH		70 - 180	60 - 100		3.7	5.5	5.5
NH-4012PH	50 x 40	25 - 360	20 - 220	at 220	2.2	3.7	5.5
NH-4013PH		34 - 360	30 - 220		3.7	5.5	7.5
NH-4024PH		49 - 360	40 - 220		5.5	7.5	11
NH-4026PH		68 - 360	60 - 220		7.5	11	11
NH-5012PH	65 x 50	24 - 540	20 - 450	at 450	3.7	5.5	7.5
NH-5013PH		33 - 540	30 - 450		5.5	7.5	11
NH-5024PH		48 - 540	40 - 450		7.5	11	11

PH Series

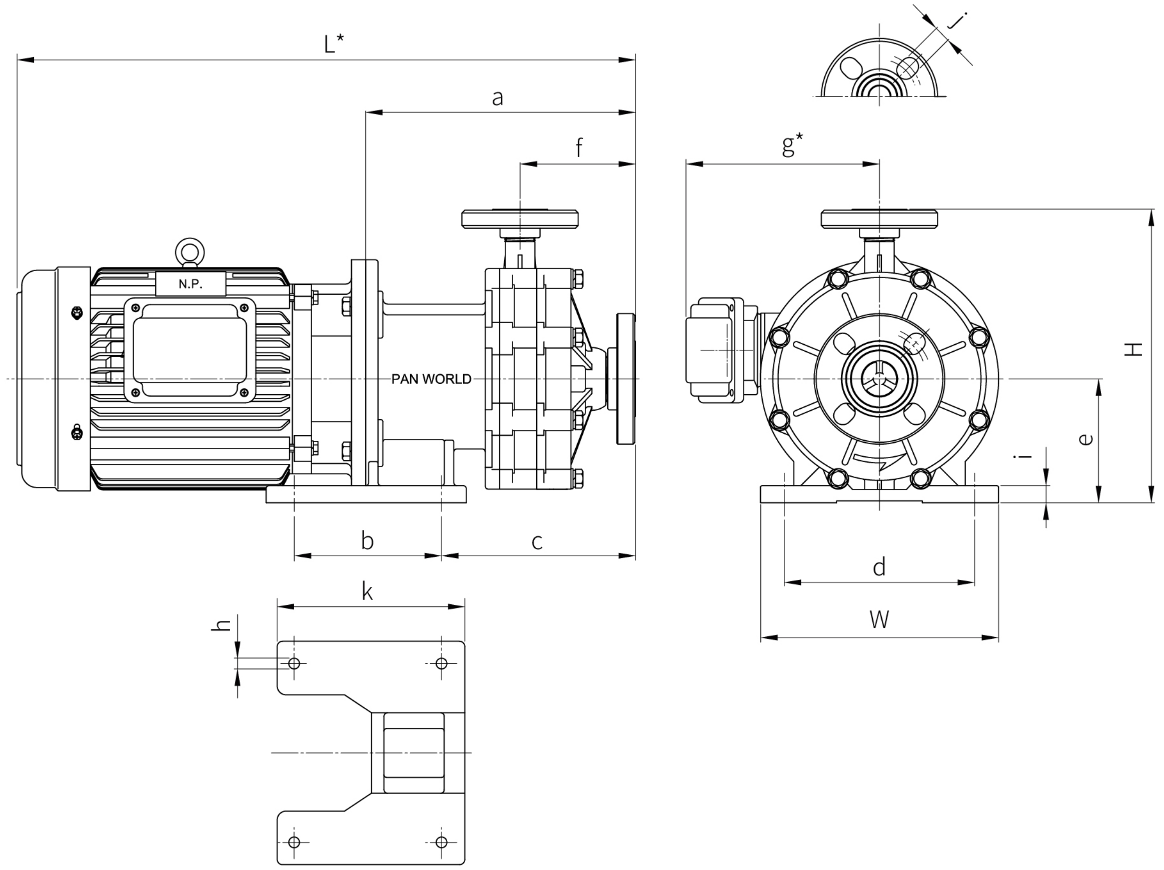
Parts List



Position	Description
1	Bracket
2-A	Front casing-1st
A 2-1	Flange
2-B	Casing-2nd
B 2-1	Flange
3	Rear casing
4-A	Impeller ass'y-1st
4-B	Impeller ass'y-2nd
5	Drive magnet
6	Magnet capsule

Position	Description
7	Spindle
8	Rear casing cover
9	Defuser
10	O. Ring (x2)
11	O. Ring
12	O. Ring
13	Hexagon head bolt w/t spring washer (x8) w/t plain washer
14	Set screw (x2)
15	Hexagon head bolt w/t spring washer (x4)

Installation dimension



Model	W	H	L*	a	b	c	d	e	f	g*	h	i	j	k
NH-3012PH (1.5kW)	250	303	522	239	165	171	200	125	88	170	12	16	19	210
NH-3013PH (2.2kW)	250	303	522	239	165	171	200	125	88	170	12	16	19	210
NH-3024PH (3.7kW)	250	308	649	283	165	204	200	130	121	203	12	18	19	210
NH-3026PH (3.7kW)	250	308	649	283	165	204	200	130	121	203	12	18	19	210
NH-4012PH (2.2kW)	250	301	560	277	165	185	200	125	90	170	12	16	19	210
NH-4013PH (3.7kW)	250	306	653	287	165	185	200	130	90	203	12	18	19	210
NH-4024PH (5.5kW)	280	356	691	351	195	227	220	180	132	252	14	20	19	250
NH-4026PH (7.5kW)	280	356	725	351	195	227	220	180	132	252	14	20	19	250
NH-5012PH (3.7kW)	250	305	655	289	165	186	200	130	92	203	12	18	19	210
NH-5013PH (5.5kW)	280	355	650	310	195	187	220	180	92	252	14	20	19	250
NH-5024PH (7.5kW)	280	355	726	352	195	229	220	180	134	252	14	20	19	250

Unit : mm

Remarks :
1. Over all size & construction may be changed without notice.
2. * Depending on type of motor used.

PA-S Series

Chemical Stirrers

- Available with ECTFE or SUS316 wetted-end material.
- Designed for tank top mounting with flange connections.
- Standard lengths of 490mm, 690mm, and 890mm.
- Driven by a 20W/1400rpm TELC motor.

Type indication

NH - PA-S - 3 - P - 4

① ② ③ ④

① Series name	② Model	③ Wetted end	④ Length
		P : ECTFE coated S : SUS-316	4 : 490 mm 6 : 690 mm 8 : 890 mm

PD Series

Pan World Dry Running Protector

- Compact design.
- Two integral current transformers.
- Wide range current adjustment
- Definite trip time characteristic.
- Manual (instantaneous)/Electric (remote) reset.
- Easy maintenance.

Type indication

NH - PD - 05 - 220

① ② ③

① Series	② Operation current	③ Supply voltage
	05 : 0.5-5A 30 : 3.0-30A	

Specification table

Model	PD-05	PD-30
Current range	0.5 - 5A	3.0 - 30A
Trip time setting	0.2 - 30 sec.	
Power supply	3 phase 220V AC	
Output relay	3A 250V AC	

Areas of Application

Series	PI-Z-D/PI-X-D PX/PX-D/PS	PI-Z-D-F/PI-X-D-F PX-N/PX-D-N/PX-F PX-D-F/PS-F/PS-K	PWE/PWH/PW PS-N/PW-N PS-N-K/PW-N-K	PWE-F/PWH-F PW-F/PW-K	PWX-C PW-C/PW-XJ	PH	PA-S
Classification	Magnetic pump	Magnetic pump	Magnetic pump	Magnetic pump	Magnetic pump	Magnetic pump	Mixer
Filtration	*		*			*	
P.C.B. machine			*			*	
Etching machine	*	*	*	*		*	
Chemical, Electric plating	*	*	*	*		*	*
Scrubber			*				
Waste water treatment			*	*	*	*	
Chemical transfer	*	*	*	*	*	*	*
Chemical refine process			*	*	*	*	
Pharmaceutical	*	*	*	*		*	*
Shadow mask machine			*	*	*	*	*
C.R.T.producing			*	*	*	*	
Metal degreasing				*	*		
Glass etching				*	*		
Paper industry			*	*	*	*	
Laboratory application	*	*	*				*
Vending machine	*						
Food process			*	*	*	*	
Deionizing equipment	*	*	*	*	*	*	*
Semi-conductor		*		*		*	
Ice machine	*						
Juice server	*						
Power station					*		
Salt industry			*				*
Battery industry	*	*	*	*	*	*	
Waste chemical transfer	*	*	*	*	*	*	*
Chemical controller	*						
MC/CNC machinery	*						

Pan World Group

Pan World Co., Ltd.
Headquarter (Japan)

TPW, Hong Yuan Co., Ltd.
Factory (Taiwan)

Jen Fu Technology Inc.
Taiwan Branch

Shinfu Mechanical (SuZhou) Co., Ltd.
SUZhou Branch (China)

Shenzhen Rongchao Industry Co., Ltd.
Shenzhen Branch (China)

Global Prospect Engineering & Trading Ltd.
Hong Kong Branch

Magnetic Panworld Pumps Trading
Philippines Branch

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