



- *High Quality*
- *Cost-Effective*
- *Rapid Delivery*
- *Advanced Design*
- *Superior Reliability*
- *Excellent Performance*



Pan World Americas

Leaders in Sealless Pump Technology



PX Series (PPG, PVDF, or ETFE)

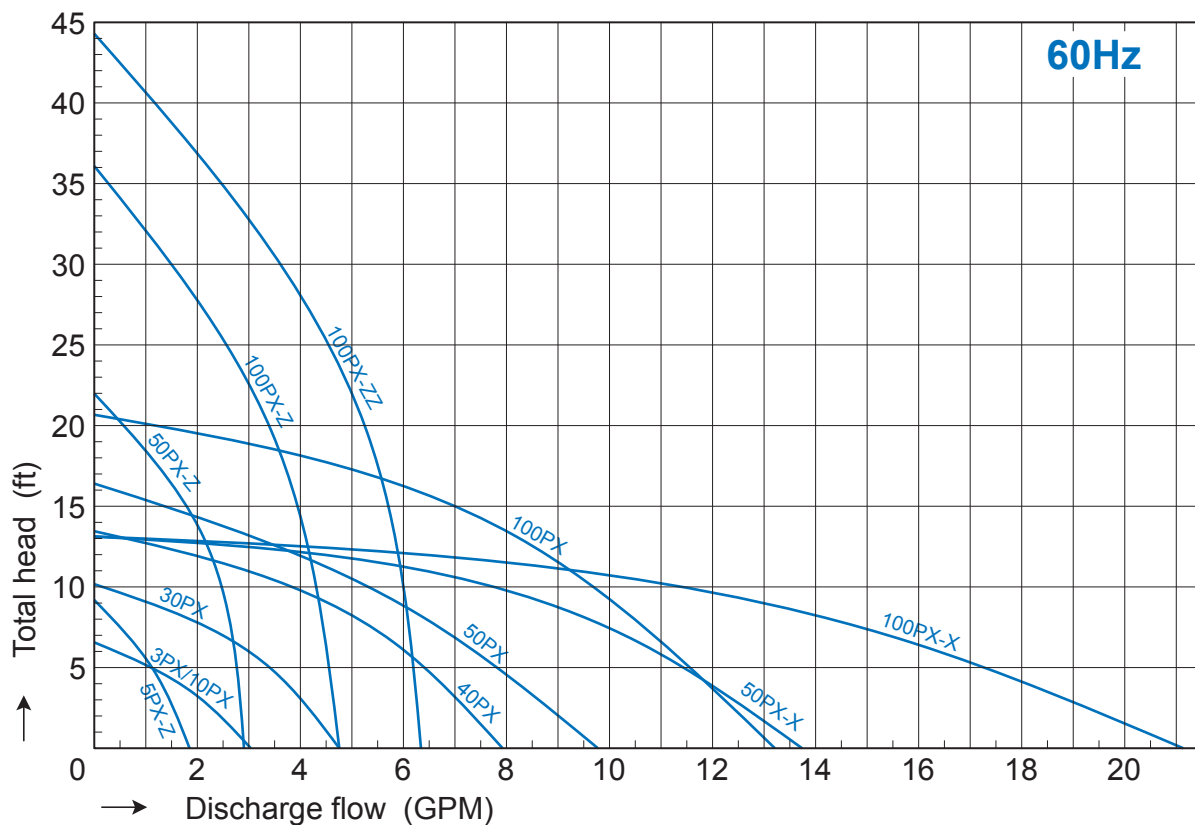
- Compact magnetic drive pumps for OEM, aquarium, and process applications.
- Offering ceramic or Sic bearing and spindles for wearing components.



Specification table

Model	Fitting size(")		Performance ft-GPM, 60Hz		Motor	Voltage (V)	Net weight (lb)
	Hose	NPT thread	Max total head- max discharge	Specified head- specified discharge	Output x Input(W)		
	InxOutlet	InxOutlet					
NH-3PX/3PX-N	9/16x9/16	1/2x1/2	6.6-3.0	3.3-2.0	5x20	100~120	2.2
NH-5PX-Z/5PX-Z-N	9/16x9/16	1/2x1/2	9.2-1.9	4.9-1.1	5x21	100~120	2.2
NH-10PX/10PX-N	9/16x9/16	1/2x1/2	6.6-3.0	3.3-2.0	5x20	100~120	2.2
NH-30PX/30PX-N/30PX-F	9/16x9/16	3/4x3/4	10.2-4.8	4.9-3.4	10x30	100~120	3.7
NH-40PX/40PX-N/40PX-F	11/16x11/16	3/4x3/4	13.5-7.9	6.6-5.8	20x45	100~120	4.4
NH-50PX-Z/50PX-Z-N/50PX-Z-F	11/16x11/16	3/4x3/4	22.0-2.9	13.1-2.1	20x55	100~120	4.8
NH-50PX/50PX-N/50PX-F	13/16x13/16	3/4x3/4	16.4-9.8	8.2-6.3	45x90	100~120	6.6
NH-50PX-X/50PX-X-N/50PX-X-F	1x1	1x1	13.0-13.2	6.6-10.6	45x90	100~120	6.6
NH-100PX-Z/100PX-Z-N/100PX-Z-F	11/16x11/16	3/4x3/4	36.1-4.8	19.7-3.4	45x95	100~120	6.6
NH-100PX/100PX-N/100PX-F	13/16x13/16	3/4x3/4	20.7-13.2	13.1-8.2	65x120	100~120	7.7
NH-100PX-X/100PX-X-N/100PX-X-F	1x1	1x1	13.1-21.1	6.6-15.9	65x165	100~120	7.7
NH-100PX-ZZ/100PX-ZZ-N/100PX-ZZ-F	13/16x13/16	3/4x3/4	44.3-6.3	19.7-5.3	65x200	100~120	7.7

Pump performance curve



Model identification

N H - 3 0 P X - N - H - 1

(5) (4) (3) (2) (1)

Model

Series

Supply voltage : 1 100-110V
2 220-240V

Pipe connection : H Hose
: T NPT thread

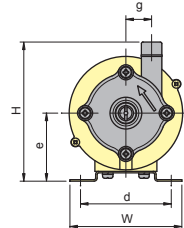
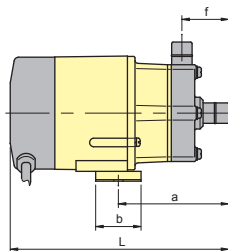
Material : Without PPG
N PVDF
F ETFE



Installation dimensions

■ NH-3PX, 5PX-Z, 10PX
NH-3PX-N, 5PX-Z-N, 10PX-N

Hose, NPT thread

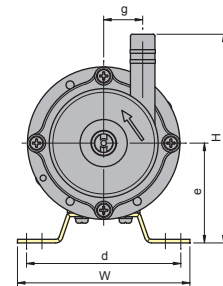
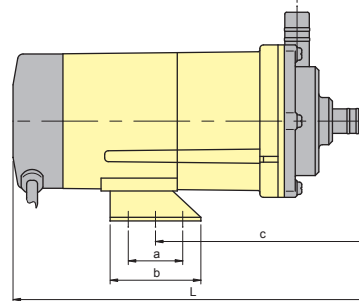


(inch)

Model	W	H	L	a	b	c	d	e	f	g
NH-3PX	2.8	3.6	4.0	1.2	2.8	2.4	1.8	1.1	0.7	
NH-5PX-Z	2.9	3.6	5.7	1.2	2.9	2.4	1.8	1.2	0.7	
NH-10PX	2.9	3.6	5.7	1.2	2.9	2.4	1.8	1.2	0.7	

■ NH-30PX, 40PX, 50PX-Z
NH-30PX-F, 40PX-F, 50PX-Z-F
NH-30PX-N, 40PX-N, 50PX-Z-N

Hose, NPT thread

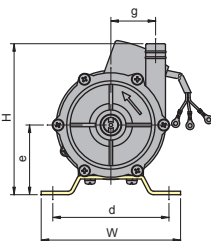
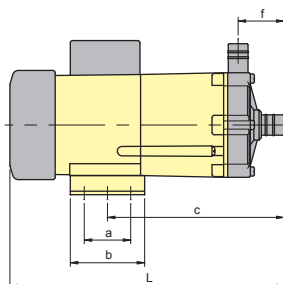


(inch)

Model	W	H	L	a	b	c	d	e	f	g
NH-30PX	3.7	4.5	7.8	1.2	2.0	4.6	3.3	2.2	1.5	0.8
NH-40PX	3.7	4.5	8.3	1.2	2.0	5.2	3.3	2.2	1.5	1.1
NH-50PX-Z	3.7	4.9	8.9	1.2	2.0	5.3	3.3	2.2	1.6	1.5

■ NH-50PX, 50PX-X, 100PX-Z, 100PX, 100PX-X, 100PX-ZZ,
NH-50PX-F, 50PX-X-F, 100PX-Z-F, 100PX-F, 100PX-X-F, 100PX-ZZ-F
NH-50PX-N, 50PX-X-N, 100PX-Z-N, 100PX-N, 100PX-X-N, 100PX-ZZ-N

Hose, NPT thread



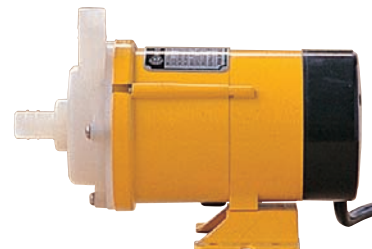
(inch)

Model	W	H	L	a	b	c	d	e	f	g
NH-50PX	4.7	5.1	9.7	1.6	2.5	6.7	3.9	2.4	1.9	1.2
NH-50PX-X	4.7	5.3	10.0	1.6	2.5	6.9	3.9	2.4	2.0	1.0
NH-100PX-Z	4.7	5.1	9.3	1.6	2.5	6.0	3.9	2.4	1.6	1.5
NH-100PX	4.7	5.1	10.3	1.6	2.5	6.7	3.9	2.4	1.9	1.2
NH-100PX-X	4.7	5.3	10.6	1.6	2.5	6.9	3.9	2.4	2.0	1.0
NH-100PX-ZZ	4.7	5.1	9.6	1.6	2.5	6.3	3.9	2.4	1.5	1.8

PX-D Series

Magnetic drive pump with brushless DC motor

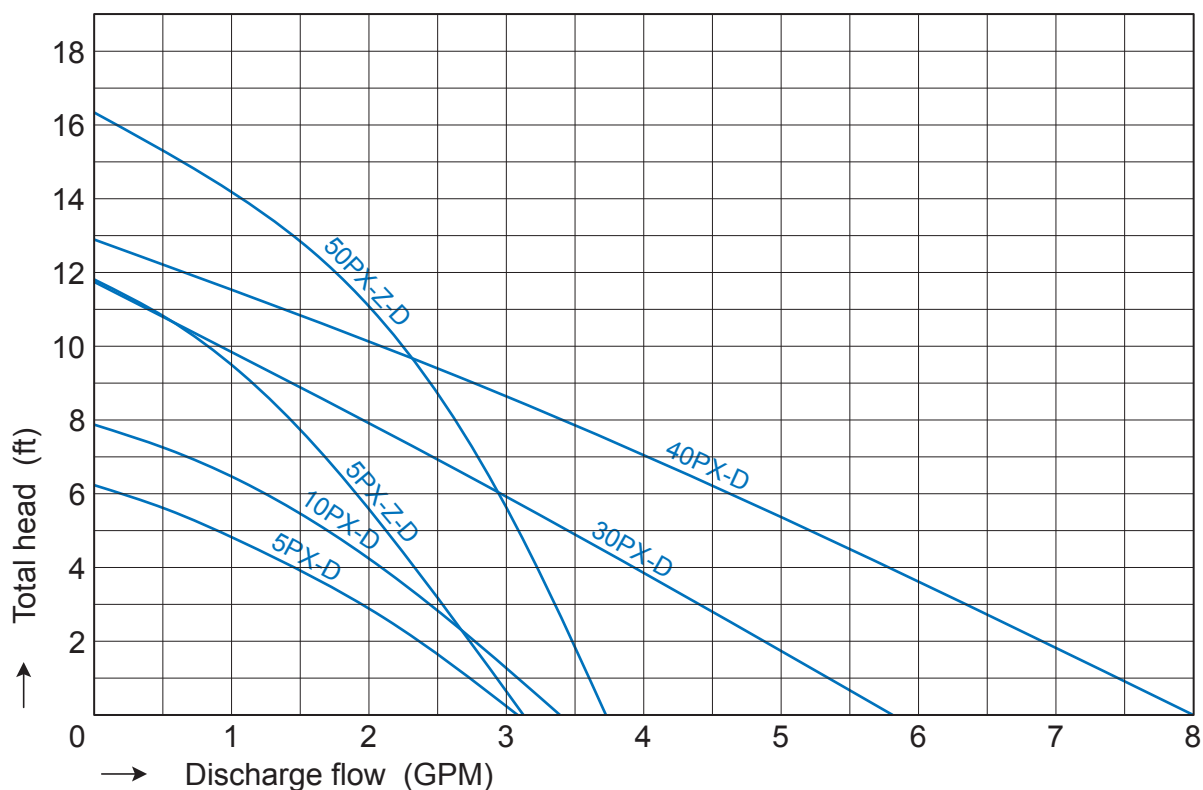
- Available in 12 and 24 VDC.
- Wetted end materials in PP, PVDF or ETFE to meet customer requirements.
- Outputs for variable speed control and speed monitoring.
- Motor efficiency is double that of conventional AC models.
- Rugged metal construction.



Specification table

Model	Fitting size (")		Maximum Performance Head -Discharge flow / Speed (ft - GPM / rpm)	Voltage (V)	Net weight (lb)
	Hose	NPT thread			
Wetted end	InxOutlet	InxOutlet			
Polypropylene/PVDF/ETFE					
NH-5PX-D / 5PX-D-N	9/16x9/16	1/2x1/2	6.2-3.0/4,000	12,24	1.3
NH-10PX-D / 10PX-D-N	9/16x9/16	1/2x1/2	7.9-3.4/3,700	12,24	1.3
NH-5PX-Z-D / 5PX-Z-D-N	9/16x9/16	1/2x1/2	11.5-3.0/3,700	12,24	1.3
NH-30PX-D / 30PX-D-N / 30PX-D-F	9/16x9/16	3/4x3/4	11.8-5.8/3,500	24	2.6
NH-40PX-D / 40PX-D-N / 40PX-D-F	11/16x11/16	3/4x3/4	12.8-7.9/3,500	24	2.7
NH-50PX-Z-D / 50PX-Z-D-N / 50PX-Z-D-F	11/16x11/16	3/4x3/4	16.4-3.6/3,000	24	3.2

Pump performance curve



PI-Z-D Series

Magnetic drive pump with brushless DC motor

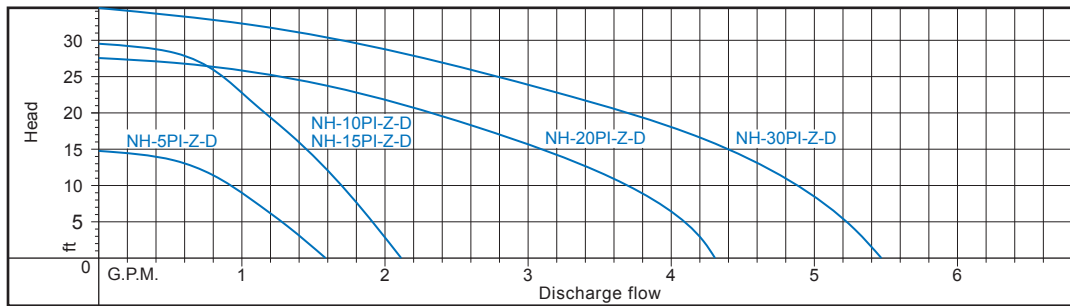
- Rare earth magnets for strong performance in compact package.
- Ideal for laser, medical, fuel cell and computer cooling applications.
- Life expectancy over 20,000 hours.



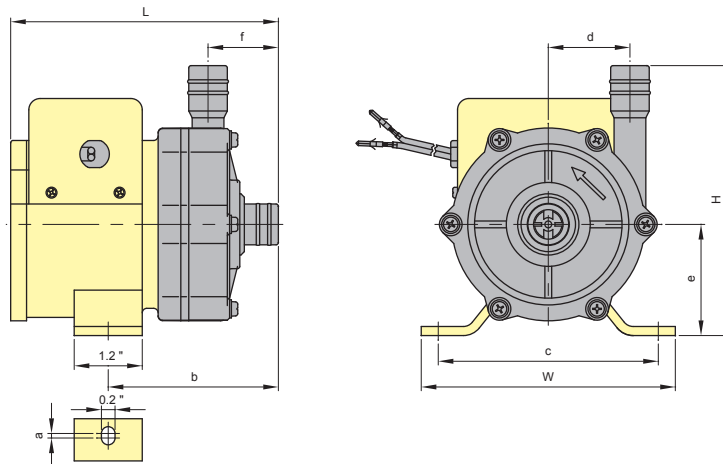
Specification table

Model	Fitting size (")	Max flow (GPM)	Max head (ft)	Motor		
	Outlet x Inlet			Power (V)	Output x Input (W)	Speed (rpm)
NH-5PI-Z-D	5/16 x 9/16	1.6	14.8	DC24V,DC12V	8 x 13	3700
NH-10PI-Z-D	5/16 x 9/16	2.2	29.0	DC24V	18 x 30	5500
NH-15PI-Z-D	5/16 x 11/16	2.2	29.0	DC24V	20 x 45	3200
NH-20PI-Z-D	11/16 x 11/16	4.2	27.0	DC24V	30 x 55	3000
NH-30PI-Z-D	11/16 x 11/16	5.4	36.0	DC24V	45 x 65	3300

Pump performance curve



Installation dimensions



(inch)

Model	W	H	L	a	b	c	d	e	f
NH-5PI-Z-D	2.9	3.5	3.9	0	2.7	2.4	0.8	1.8	1.0
NH-10PI-Z-D	2.9	3.5	3.9	0	2.7	2.4	0.8	1.8	1.0
NH-15PI-Z-D	4.4	4.7	4.7	0.1	3.0	3.8	1.4	1.9	1.2
NH-20PI-Z-D	4.4	4.7	4.7	0.1	3.0	3.8	1.4	1.9	1.2
NH-30PI-Z-D	4.4	4.7	4.8	0.1	3.0	3.8	1.4	1.9	1.2

PS Series

- PP wetted end materials for OEM, aquarium and general process applications.
- ETFE wetted end materials for hazardous chemical transfer.
- Heavy duty motor construction for long life.

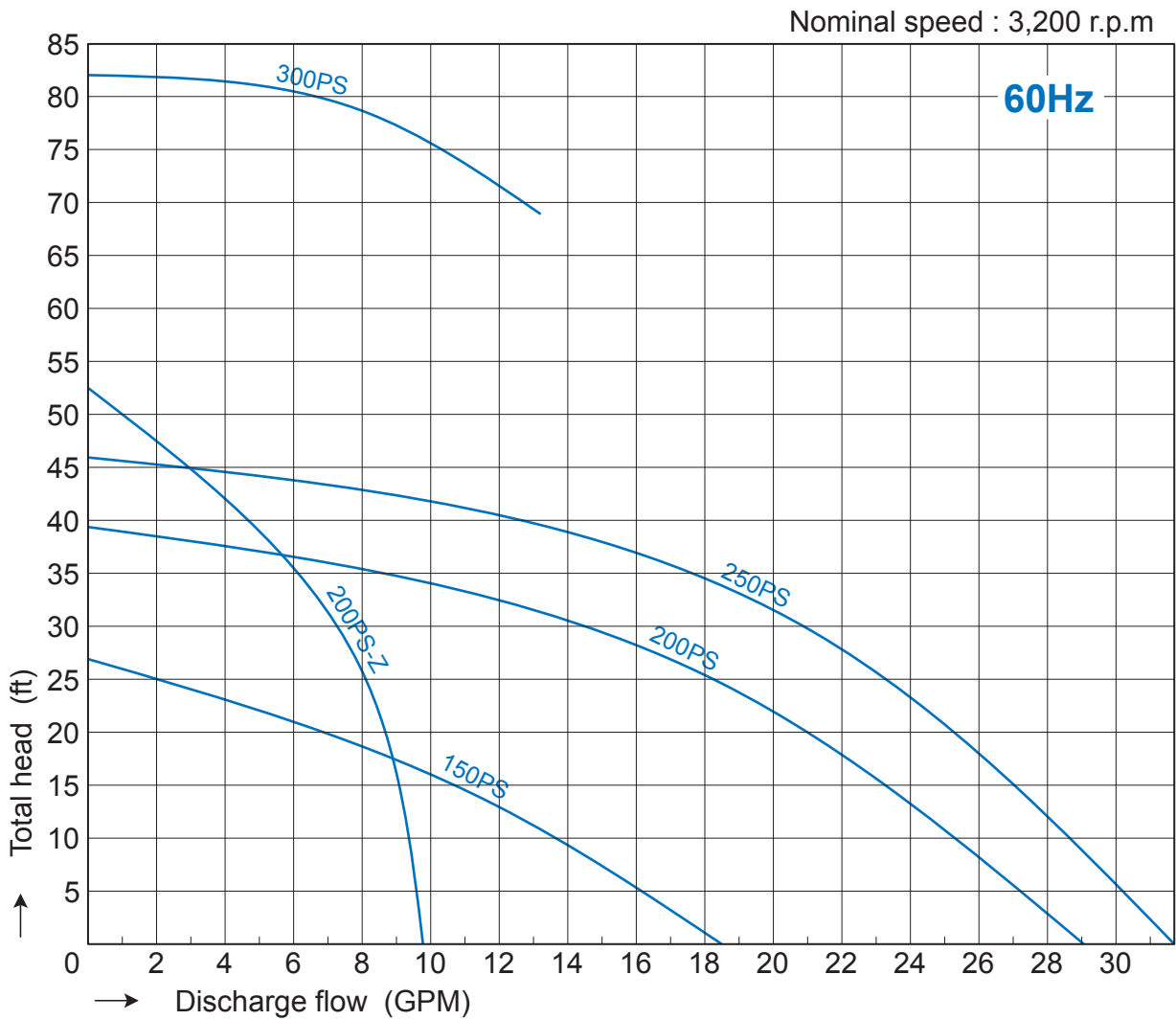


Specification table

Nominal speed 2,700/3,200 r.p.m

Model	Fitting size (")		Performance ft-GPM, 60HZ		Motor	Voltage (V)	Net weight (lb)
	Hose	NPT thread	Max total head-max discharge	Specified head-specified discharge	Output x Input(W)		
	InxOutlet	InxOutlet					
NH-150PS/150PS-F	1x1	1x1	27.0-18.5	13.0-11.9	90-170	100~120	13
NH-200PS-Z/200PS-Z-F	1x1	1x1	52.5-9.5	26.0-7.9	150-290	100~120	18
NH-200PS/200PS-F	1x1	1x1	39.0-29.0	24.5-18.5	150-290	100~120	18
NH-250PS/250PS-F	1x1	1x1	46.0-31.5	29.5-21.0	250-390	100~120	20
NH-300PS/300PS-F	1x13/16	1x3/4	82.0-13.0	68.9-13.0	330-460	100~120	26

Pump performance curve



Note:Performance curves are for water. Consult PWA for higher Specific gravity chemicals.

Model identification

N H - 2 0 0 P S - F - H - 1

Model

Series

Supply voltage : 1 100-110V
2 220-240V

Pipe connection : H Hose
: T NPT thread

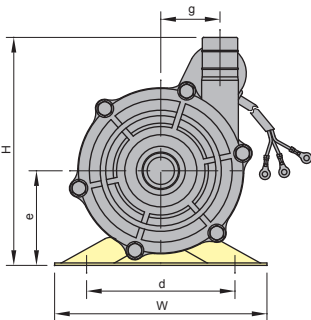
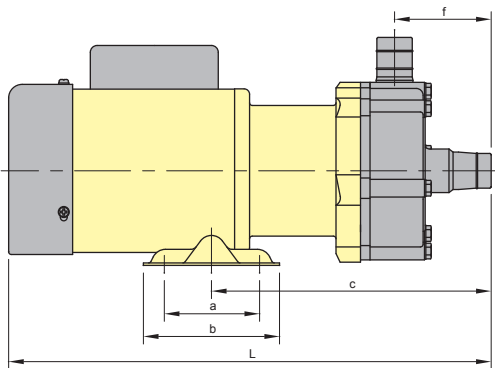
Material : Without PPG
N PVDF
F ETFE



Installation dimensions

■ NH-150PS, 200PS, 250PS, 300PS
NH-150PS-F, 200PS-F, 250PS-F, 300PS-F

Hose, NPT thread



(inch)

Model	W	H	L	a	b	c	d	e	f	g
NH-150PS	4.7	6.5	11.8	2.5	2.5	7.8	3.9	2.6	2.8	43.5
NH-200PS	6.1	6.5	14.0	2.8	3.9	8.5	4.3	2.6	2.8	43.5
NH-200PS-Z	6.1	6.5	14.0	2.8	3.9	8.5	4.3	2.6	2.8	43.5
NH-250PS	6.1	6.5	14.4	2.8	3.9	8.1	4.3	2.6	2.8	43.5
NH-300PS	6.1	6.5	14.4	2.8	3.9	8.1	4.3	2.6	2.8	43.5

PW Series (PPG)

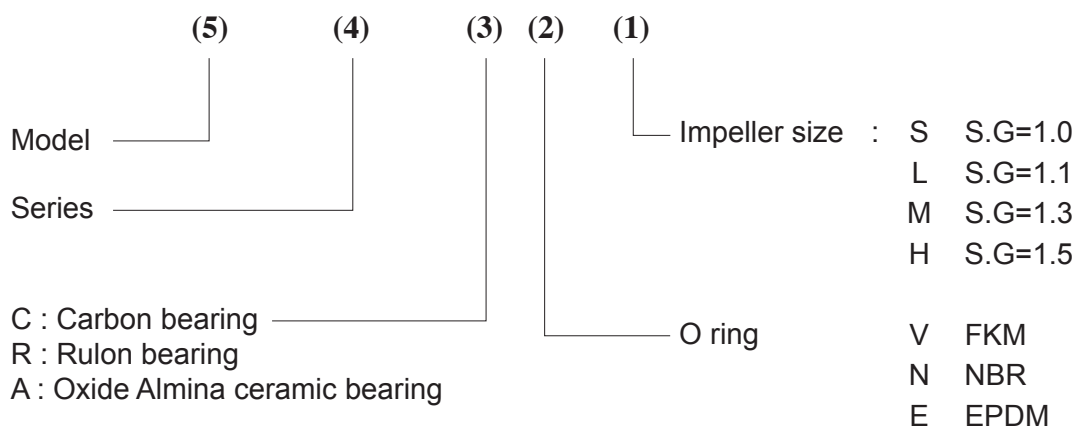
General purpose magnetic drive pumps

- PPG wetted end material.
- 9 models with flow rates up to 370 GPM and discharge head of 121 ft.
- Able to handle many types of chemical and temperature of up to 70 °C.



Model identification

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

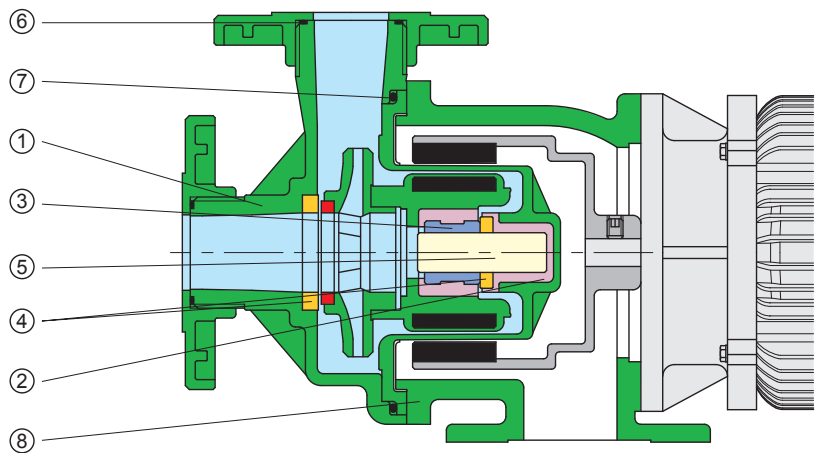


Specification table

Model	Fitting size(")		Pump performance at specified point (ft GPM)		NEMA-C motor	Net weight (lb)
	Outlet	Inlet	Specific Gravity	60Hz	Output(HP)-Frame size	
NH-400PW	1 1/2	1 1/2	1.1	22.0-42.0	1/2 - 56C	46
			1.3	25.5-37.0		
			1.5	19.5-34.0		
NH-401PW	1 1/2	1 1/2	1.1	37.5-66.0	1 - 56C	66
			1.3	30.0-52.5		
			1.5	24.5-52.5		
NH-402PW	1 1/2	2	1.1	46.0-79.0	2 - 143TC 145TC	99
			1.3	45.5-70.0		
			1.5	47.5-58.0		
NH-403PW	1 1/2	2	1.1	62.0-74.0	3 - 143TC 145TC	117
			1.3	55.5-74.0		
			1.5	48.0-89.5		
NH-405PW	1 1/2	2	1.1	78.5-111.0	5 - 182TC 184TC	141
			1.3	78.5-103.0		
			1.5	65.5-103.0		
*NH-655PW	2 1/2	3	1.1	51.0-158.5	5 - 182TC 184TC	242
			1.3	---		
			1.5	---		
*NH-657PW	2 1/2	3	1.1	59.0-198.0	7.5 - 213TC 215TC	264
			1.3	54.0-166.0		
			1.5	43.5-200.5		
*NH-6510PW	2 1/2	3	1.1	76.5-211.0	10 - 213TC 215TC	286
			1.3	64.0-203.5		
			1.5	59.5-177.0		
*NH-6515PW	2 1/2	3	1.1	96.5-272.0	15 - 254TC 256TC	308
			1.3	103.0-171.5		
			1.5	80.5-224.5		

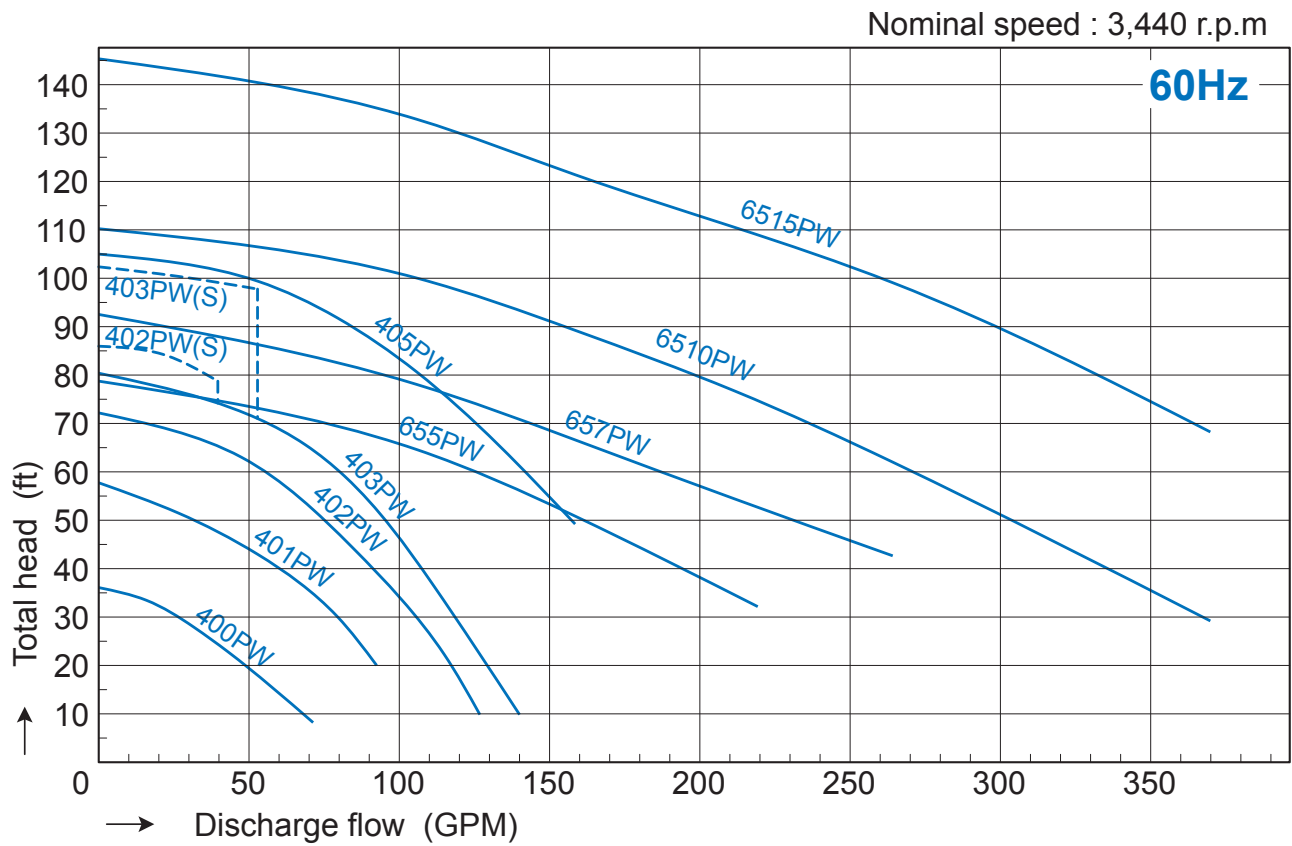
Note: * These models are with flanges only.

Parts List



Part name	PW Series				
	CV	RV	AV	CN	AN
1. Casing	PPG				
2. Holder	ETFE				
3. Bearing	H.D. Carbon	Rulon	Ceramic	H.D. Carbon	Ceramic
4. Thrust pad	Ceramic				
5. Spindle	Ceramic				
6. O ring	FKM			NBR	
7. O ring	FKM			NBR	
8. Bracket	Grey cast iron				

PW series performance curve



PW-F Series(ETFE)

Magnetic drive pumps for hazardous chemical transfer

- ETFE(carbon-fiber reinforced) wetted end material.
- 9 models with flow rates up to 140 GPM and discharge head of 138 ft.
- Able to handle almost all types of chemical and temperature up to 90 °C.



Model identification

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

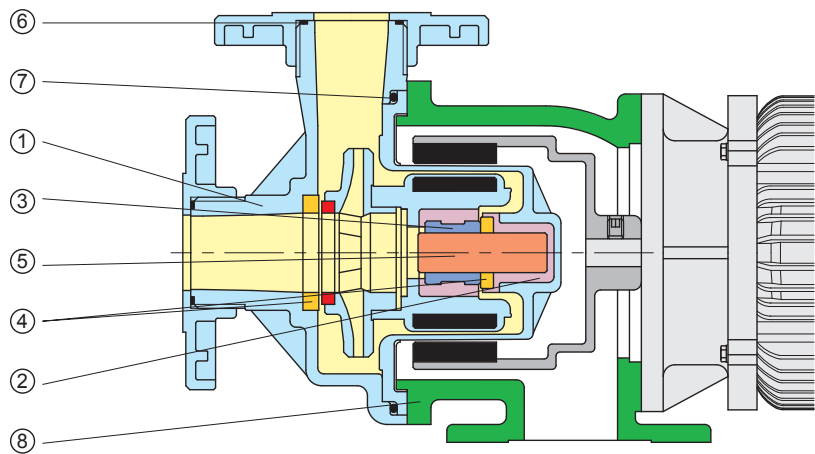
	(5)	(4)	(3)	(2)	(1)	
Model						Impeller size : S S.G=1.0
Series						L S.G=1.2
						M S.G=1.5
						H S.G=1.9
F : High density carbon bearing						
-Ceramic spindle						
R : Rulon bearing-Ceramic spindle						V FKM
A : Ceramic bearing-Ceramic spindle						N NBR
Si: Sic bearing-Sic spindle.						E EPDM
						O ring

Specification table

Model	Fitting size(")		Pump performance at specified point (ft at GPM)		NEMA-C motor Output(HP)-Frame size	Net weight (lb)
	Outlet	Inlet	Specific Gravity	60Hz		
NH-400PW-F	1 1/2	1 1/2	1.2	26.0-29.0	1/2 - 56C	46
			1.5	17.0-35.5		
			1.9	12.5-31.5		
NH-401PW-F	1 1/2	1 1/2	1.2	31.0-47.5	1 - 56C	66
			1.5	29.0-42.0		
			1.9	17.0-46.0		
NH-402PW-F	1 1/2	2	1.2	50.5-68.5	2 - 143TC 145TC	99
			1.5	44.0-63.5		
			1.9	26.0-74.0		
NH-403PW-F	1 1/2	2	1.2	49.0-87.0	3 - 143TC 145TC	117
			1.5	53.5-82.0		
			1.9	42.5-74.0		
NH-405PW-F	1 1/2	2	1.2	80.0-103.0	5 - 182TC 184TC	141
			1.5	66.5-92.5		
			1.9	63.0-76.5		
*NH-655PW-F	2 1/2	3	1.2	65.0-105.5	5 - 182TC 184TC	242
			1.5	---		
			1.9	---		
*NH-657PW-F	2 1/2	3	1.2	59.0-163.5	7.5 - 213TC 215TC	264
			1.5	44.0-198.0		
			1.9	---		
*NH-6510PW-F	2 1/2	3	1.2	68.0-219.0	10 - 213TC 215TC	286
			1.5	59.0-179.5		
			1.9	49.0-190.0		
*NH-6515PW-F	2 1/2	3	1.2	78.5-293.0	15 - 254TC 256TC	308
			1.5	85.0-211.0		
			1.9	67.0-220.5		

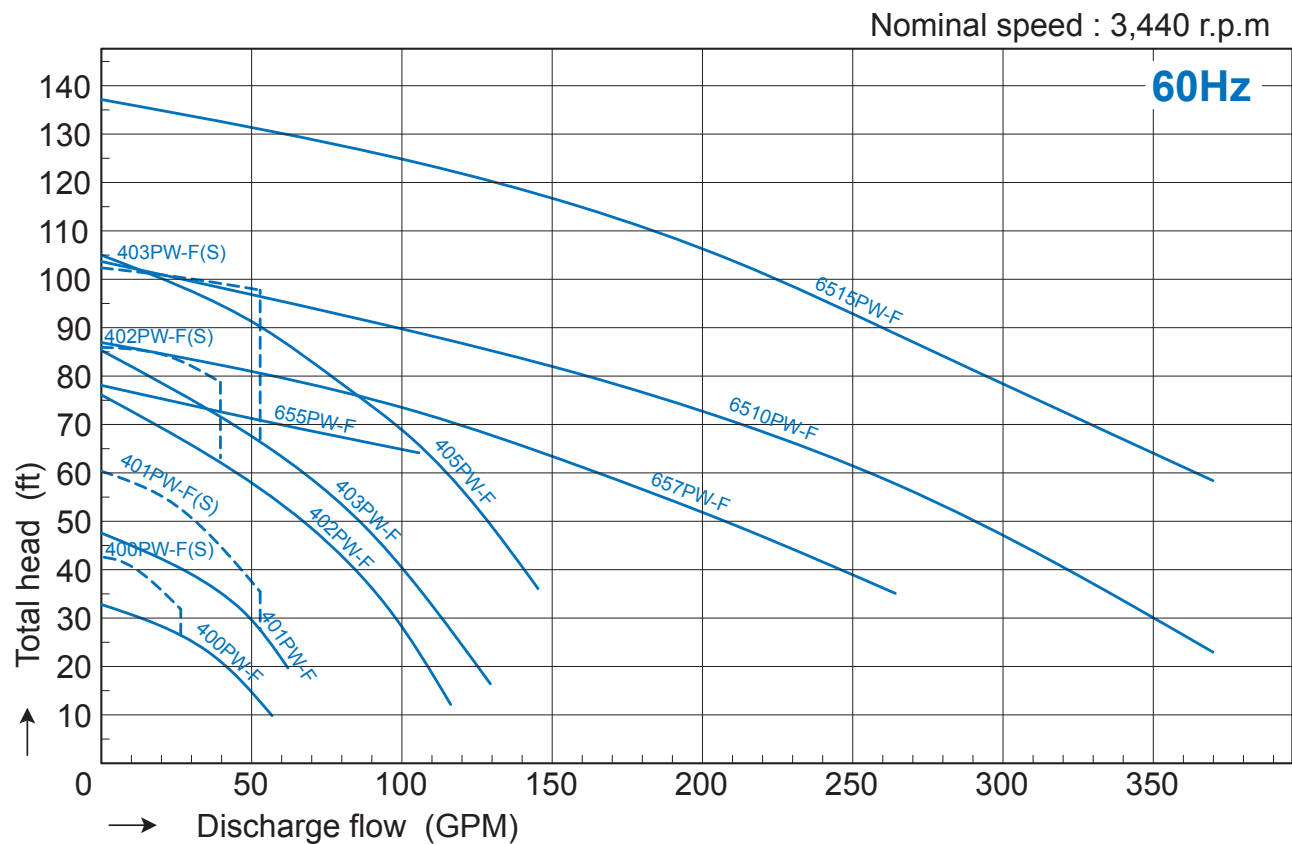
Note: * These models are with flanges only.

Parts List



Part name	PW-F Series				
	FV	RV	AV	FN	Si
1. Casing	ETFE				
2. Holder	ETFE				
3. Bearing	H.D. Carbon	Rulon	Ceramic	H.D. Carbon	Sic
4. Thrust pad	Ceramic				Sic
5. Spindle	Ceramic				Sic
6. O ring	FKM			NBR	FKM
7. O ring	FKM			NBR	FKM
8. Bracket	Grey cast iron				

PW-F series performance curve



PW-C Series (ETFE-Lined Metal Profile)

Heavy duty magnetic drive pumps for the chemical industry



- ETFE-lined pumps in cast iron exterior and Hastelloy C rear casing cover as reinforcement.
- Robust construction.
- 11 models with flow rates up to 396 GPM and discharge head of 138 ft.
- Can handle practically most chemicals and temperature up to 90 °C.

Model identification

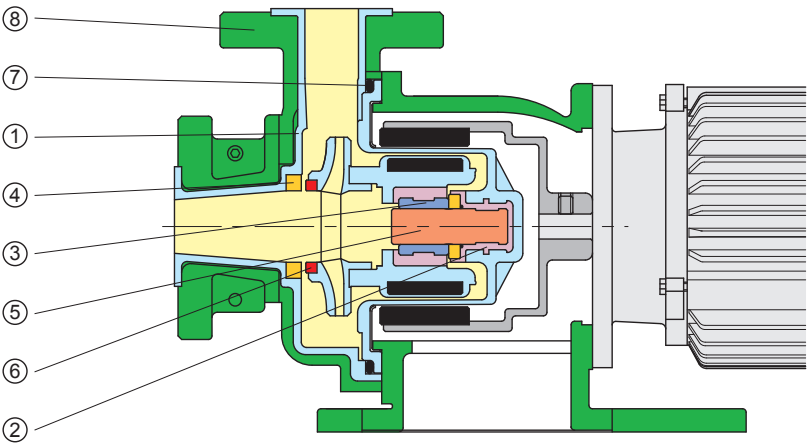
N H - 4 0 0 P W - C - F V - L

	(5)	(4)	(3)	(2)	(1)	
Model						Impeller size : S S.G=1.0
Series						L S.G=1.2
						M S.G=1.5
						H S.G=1.9
F : High density carbon bearing						
-Ceramic spindle						
R : Rulon bearing-Ceramic spindle						
A : Ceramic bearing-Ceramic spindle						
Si : Sic bearing-Sic spindle.						
						O ring V FKM
						N NBR
						E EPDM

Specification table

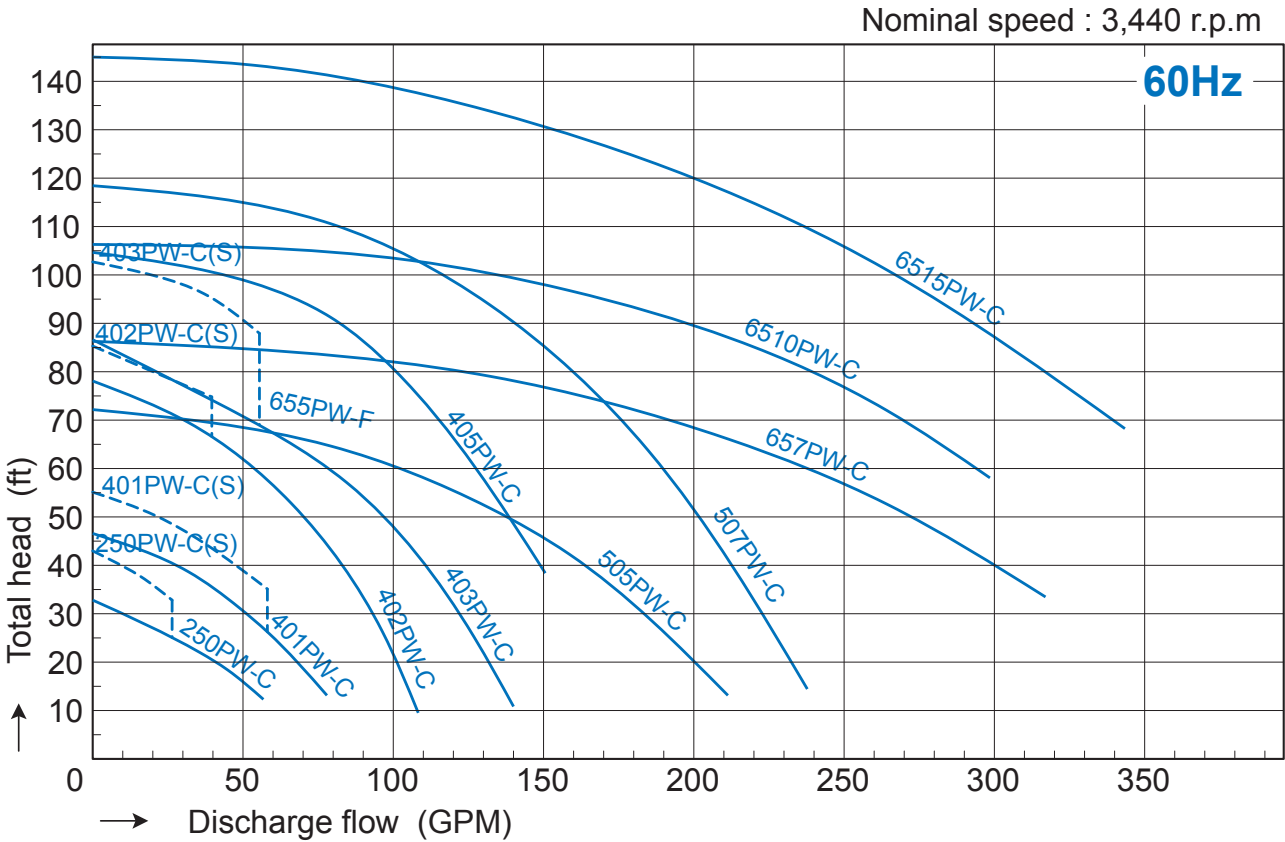
Model	Fitting size(")		Pump performance at specified point (ft at GPM)		NEMA-C motor	Net weight (lb)
	Outlet	Inlet	Specific Gravity	60Hz	Output(HP)-Frame size	
NH-250PW-C	1	1	1.2	19.5-38.0	1/2 - 56C	66
			1.5	18.0-35.5		
			1.9	12.5-30.5		
NH-401PW-C	1 1/2	1 1/2	1.2	31.0-47.5	1 - 56C	88
			1.5	28.5-42.0		
			1.9	20.0-37.0		
NH-402PW-C	1 1/2	2	1.2	43.0-68.5	2 - 143TC 145TC	110
			1.5	43.0-68.5		
			1.9	35.5-58.0		
NH-403PW-C	1 1/2	2	1.2	57.0-84.5	3 - 143TC 145TC	128
			1.5	45.0-84.5		
			1.9	47.5-68.5		
NH-405PW-C	1 1/2	2	1.2	75.5-105.5	5 - 182TC 184TC	158
			1.5	66.5-92.5		
			1.9	50.0-105.5		
NH-505PW-C	2	2 1/2	1.2	53.0-148.0	5 - 182TC 184TC	176
			1.5	42.5-103.0		
			1.9	38.5-95.0		
NH-507PW-C	2	2 1/2	1.2	88.5-132.0	7.5 - 213TC 215TC	246
			1.5	49.5-132.0		
			1.9	45.0-105.5		
NH-657PW-C	2	3	1.2	67.0-211.0	7.5 - 213TC 215TC	273
			1.5	48.0-185.0		
			1.9	35.5-158.5		
NH-6510PW-C	2	3	1.2	82.0-251.0	10 - 213TC 215TC	328
			1.5	64.0-190.0		
			1.9	51.5-187.5		
NH-6515PW-C	2	3	1.2	94.5-237.5	15 - 254TC 256TC	407
			1.5	82.0-237.5		
			1.9	67.0-211.0		
NH-6520PW-C	2	3	1.2	128.0-277.5	20 - 254TC 256TC	407
			1.5	78.5-290.5		
			1.9	78.5-251.0		

Parts List

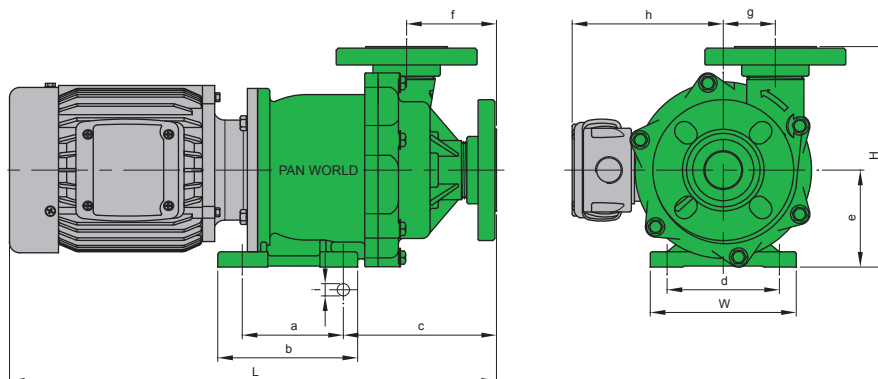


Part name	PW-C Series			
	FV	RV	AV	Si
1. Casing	ETFE			
2. Holder	ETFE			
3. Bearing	H.D. Carbon	Rulon	Ceramic	Sic Ceramic
4. Thrust pad	High purity Ceramic			
5. Spindle				
6. Mouth ring	PTFE based resin			
7. O ring	FKM			
8. Cover	Grey cast iron			

PW-C series performance curve



Installation dimension (for PW/PW-F Series)



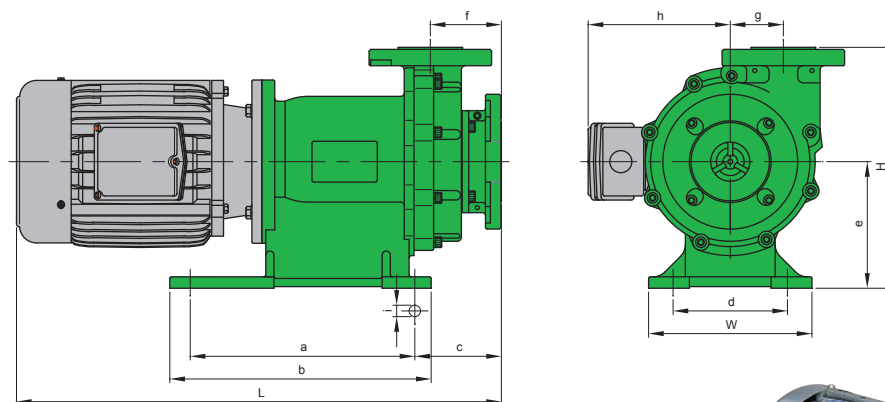
(inch)

Model	W	H	L*	a	b	c	d	e	f	g	h*	i
NH-400PW/-F	5.5	8.5	19.5	4.3	2.0	3.9	3.7	4.8	3.4	6.1	5.7	0.5
NH-401PW/-F	6.3	10.0	21.5	5.1	2.3	5.1	4.5	5.5	4.0	7.2	5.7	0.5
NH-402PW/-F	10.2	10.0	23.4	8.2	2.6	7.9	4.5	5.5	3.5	6.2	6.7	0.6
NH-403PW/-F	10.2	10.0	23.4	8.2	2.6	7.9	4.5	5.5	3.5	6.2	6.7	0.6
NH-405PW/-F	10.2	10.6	27.3	8.2	2.6	7.9	5.1	5.5	3.5	6.2	5.8	0.6
NH-655PW/-F	10.2	14.2	27.9	8.3	3.4	10.6	6.9	7.3	4.7	9.5	5.8	0.6
NH-657PW/-F	10.2	14.2	31.7	8.3	3.4	10.6	6.9	7.3	4.7	9.5	6.8	0.6
NH-6510PW/-F	10.2	14.2	31.7	8.3	3.4	10.6	6.9	7.3	4.7	9.5	6.8	0.6
NH-6515PW/-F	10.2	15.2	39.1	8.3	3.4	10.6	7.9	7.3	4.7	9.5	6.3	0.6



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

Installation dimensions (for PW-C Series)



(inch)

Model	W	H	L*	a	b	c	d	e	f*	g	i
NH-250PW-C	6.1	9.3	19.6	4.3	2.0	3.5	4.5	4.8	5.7	3.7	5.8
NH-401PW-C	7.7	10.8	20.2	5.1	2.3	4.1	5.3	5.5	5.7	4.4	9.8
NH-402PW-C	7.9	11.6	22.4	5.5	2.6	3.4	6.1	5.5	6.7	4.2	10.8
NH-403PW-C	7.9	11.6	22.4	5.5	2.6	3.4	6.1	5.5	6.7	4.2	10.8
NH-405PW-C	7.9	11.6	26.3	5.5	2.6	3.4	6.1	5.5	5.8	4.2	10.8
NH-505PW-C	10.2	12.8	27.4	8.3	2.4	4.3	6.9	5.9	5.8	5.1	12.0
NH-507PW-C	10.2	12.8	31.3	8.3	2.4	4.3	6.9	5.9	6.8	5.1	12.0
NH-657PW-C	11.0	14.2	31.6	8.7	0.0	4.7	6.9	7.3	6.8	7.6	12.6
NH-6510PW-C	11.0	14.2	31.6	8.7	0.0	4.7	6.9	7.3	6.8	7.6	12.6
NH-6515PW-C	11.0	14.2	37.9	8.7	0.0	4.7	6.9	7.3	6.3	7.6	12.6
NH-6520PW-C	11.0	14.2	37.9	8.7	0.0	4.7	6.9	7.3	6.3	7.6	12.6



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

PM-V Series (PPS)

PM-V-F Series (ETFE)

Multistage magnetic drive pumps (Vertical Inline)

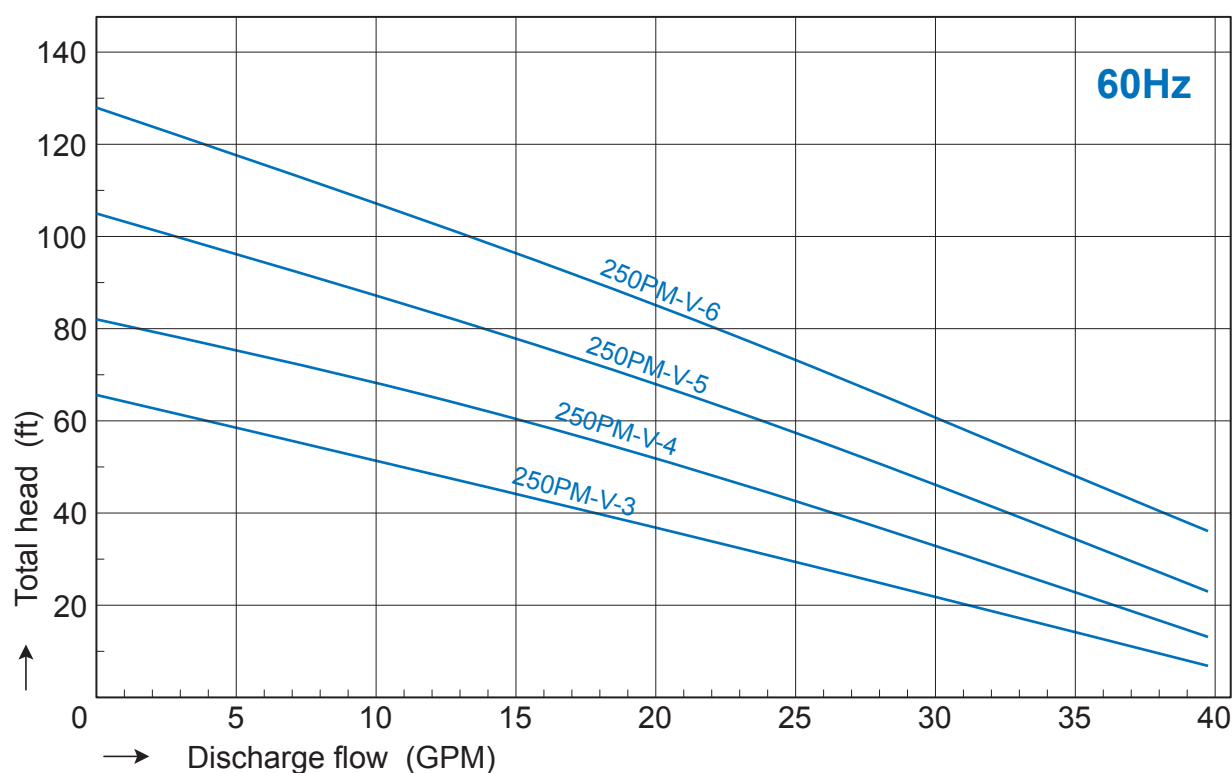
- The world first multistage magnetic drive pump in PPS & ETFE material.
- Precision injection part, glass fiber-reinforced PPS and ETFE.
- Pumps available from 3 to 6 stages.
- Flow rates up to 26.5 GPM, and discharge head to 128 ft.
- Applicable motors, NEMA-C 1/2HP to 2HP.



Specification table

Model	Fitting size (")	Max total head- max discharge (ft-GPM)	NEMA-C motor Output(HP)-Frame size	Net weight (lb)
	Outlet x Inlet			
NH-250PM-3	NPT thread 1 X 1	65.5-26.5	1/2-56C	21
NH-250PM-4		82.0-26.5	1/2-56C	23
NH-250PM-5		105.0-26.5	1-56C	29
NH-250PM-6		128.0-26.5	2 - 143TC 145TC	30

Expected performance curve



Note: Power requirement / motor is determined by S.G. viscosity and number of impellers.

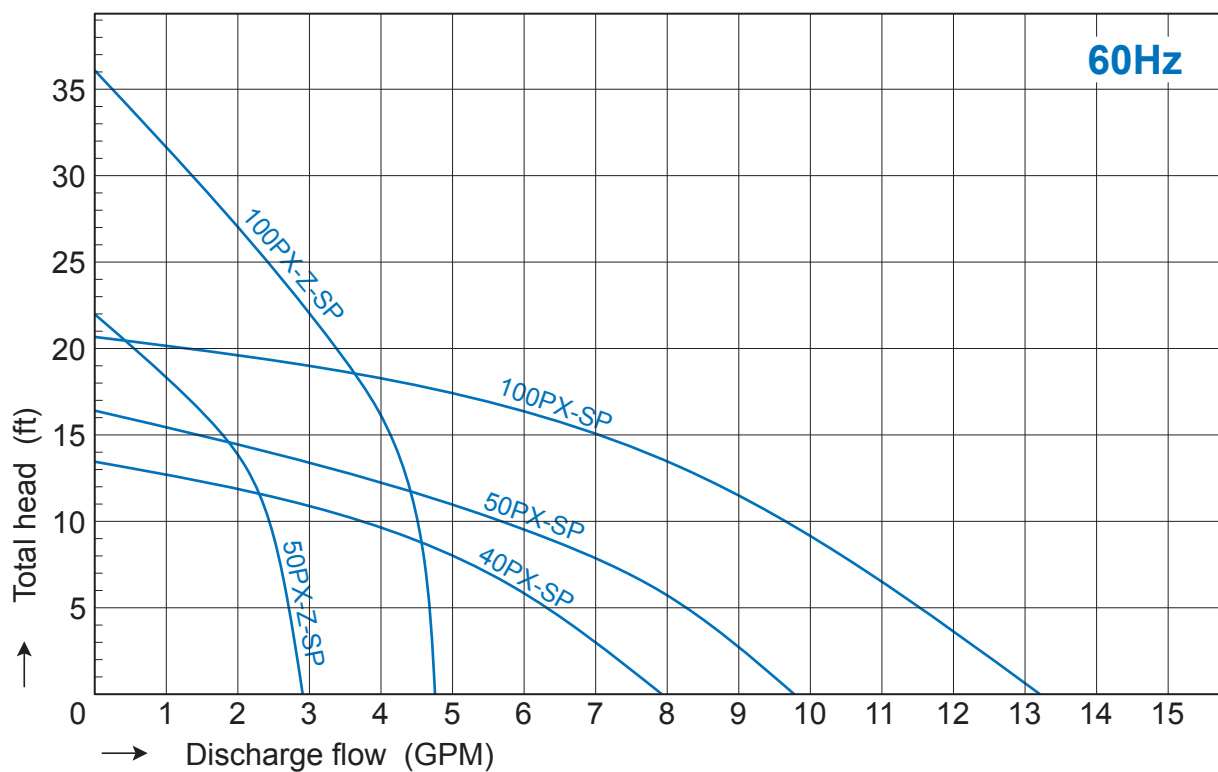
PX-SP Series

Self priming magnetic drive pump

- Up to 5 ft of lift for priming.
- Can replace drum pumps for some applications.
- Polypropylene and ceramic wetted parts for reliable performance.



Pump performance curve



Specification table

Nominal speed 2,500/3,000 r.p.m

Model	Fitting size (")		Performance ft-GPM, 60Hz		Max suction lift head (ft)	Motor	Net weight (lb)
	Hose	NPT thread	Max total head-max discharge	Specified head-specified discharge		Output x Input(W)	
	InxOutlet	InxOutlet			Output x Input(W)		
NH-40PX-SP	11/16 x 11/16	3/4 x 3/4	13.5-8.0	6.5-5.8	3.9	20 - 45	4.4
NH-50PX-Z-SP	11/16 x 11/16	3/4 x 3/4	22.0-3.0	13.0-2.0	3.9	20 - 55	4.8
NH-50PX-SP	13/16 x 13/16	3/4 x 3/4	16.5-9.8	8.0-6.3	3.9	45 - 90	6.6
NH-100PX-Z-SP	11/16 x 11/16	3/4 x 3/4	36.0-4.8	20.0-3.5	3.9	45 - 95	6.6
NH-100PX-SP	13/16 x 13/16	3/4 x 3/4	20.7-13.2	13.0-8.2	3.9	65 - 120	7.7

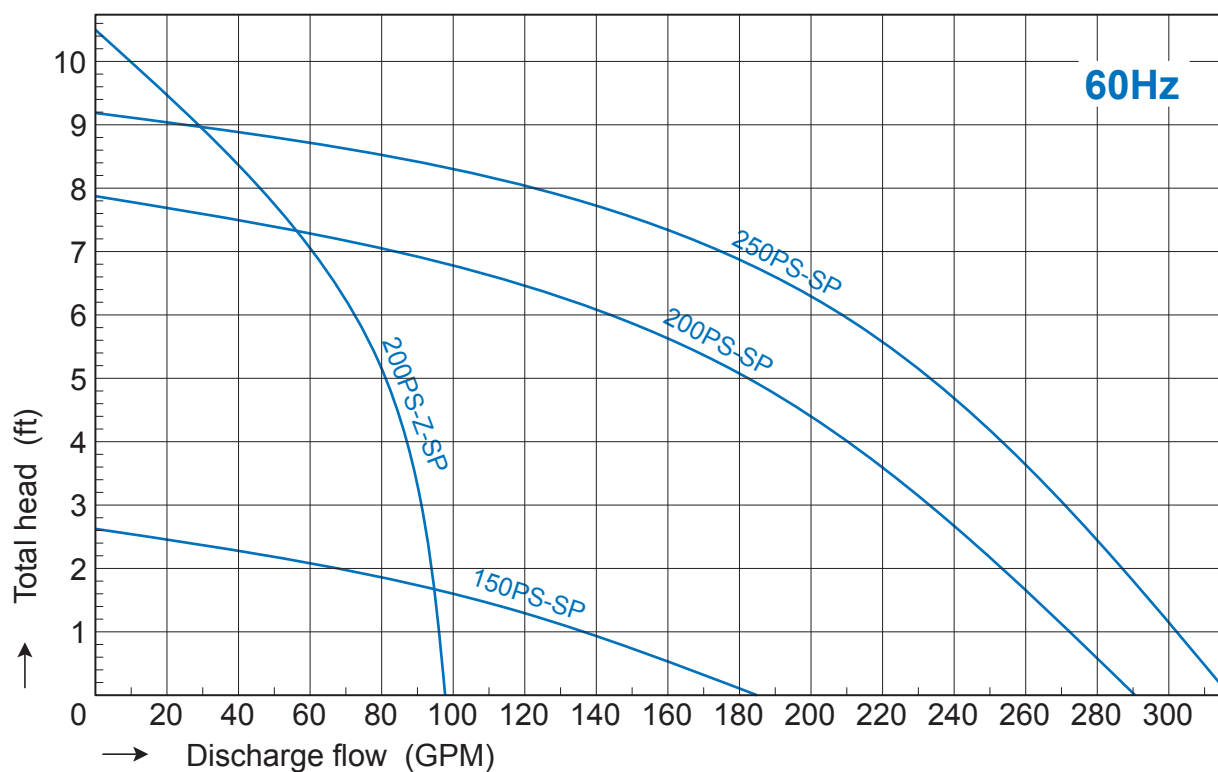
PS-SP Series

Self priming magnetic drive pump

- Up to 7 ft of lift for priming.
- Polypropylene and ceramic wetted parts for reliable performance.
- Can replace drum pumps for some applications.



Pump performance curve



Specification table

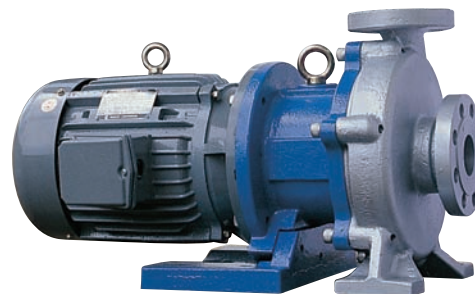
Nominal speed 2,500/3,000 r.p.m

Model	Fitting size(")		Performance ft-GPM, 60Hz		Max suction lift head (ft)	Motor	Net weight (lb)
	Hose	NPT thread	Max total head-max discharge	Specified head-specified discharge		Output x Input(W)	
	InxOutlet	InxOutlet					
NH-150PS-SP	1x1	1x1	27.0-18.5	13.0-12.0	7.2	90-170	13
NH-200PS-Z-SP	1x1	1x1	52.5-10.0	26.0-8.0	7.2	150-290	18
NH-200PS-SP	1x1	1x1	39.0-29.0	24.5-18.5	7.2	150-290	18
NH-250PS-SP	1x1	1x1	46.0-31.7	29.5-21.0	7.2	250-390	18

PG Series

Rugged stainless steel and Sic construction

- Applications include pharmaceutical, petrochemical, and solvent processing.
- Standard NEMA motors and ANSI flanges.
- Wetted end uses SUS-316 and Sic materials.



Specification table

60Hz

Model	Fitting size (")	Duty point ft at GPM	Max point ft-GPM	Power requirement at duty point (HP)	Net weight (lb)
	Outlet x Inlet				
NH-32-100PG	1 1/4 x 2	49.2 at 56.8	62.3-79.3	5.6	187
NH-32-120PG	1 1/4 x 2	65.6 at 56.8	85.3-79.3	7.5	198
NH-32-140PG	1 1/4 x 2	88.6 at 56.8	115.0-79.3	9.7	209
NH-32-160PG	1 1/4 x 2	141.0 at 56.8	151.0-79.3	12.5	209
NH-32-180PG	1 1/4 x 2	164.0 at 56.8	190.0-79.3	15	211
NH-40-100PG	1 1/4 x 2 1/2	49.2 at 113.6	59.0-145.3	6.3	220
NH-40-120PG	1 1/4 x 2 1/2	62.3 at 113.6	82.0-145.3	8.7	231
NH-40-140PG	1 1/4 x 2 1/2	88.6 at 113.6	115.0-145.3	11.3	231
NH-40-160PG	1 1/4 x 2 1/2	137.8 at 113.6	154.2-145.3	13.5	231

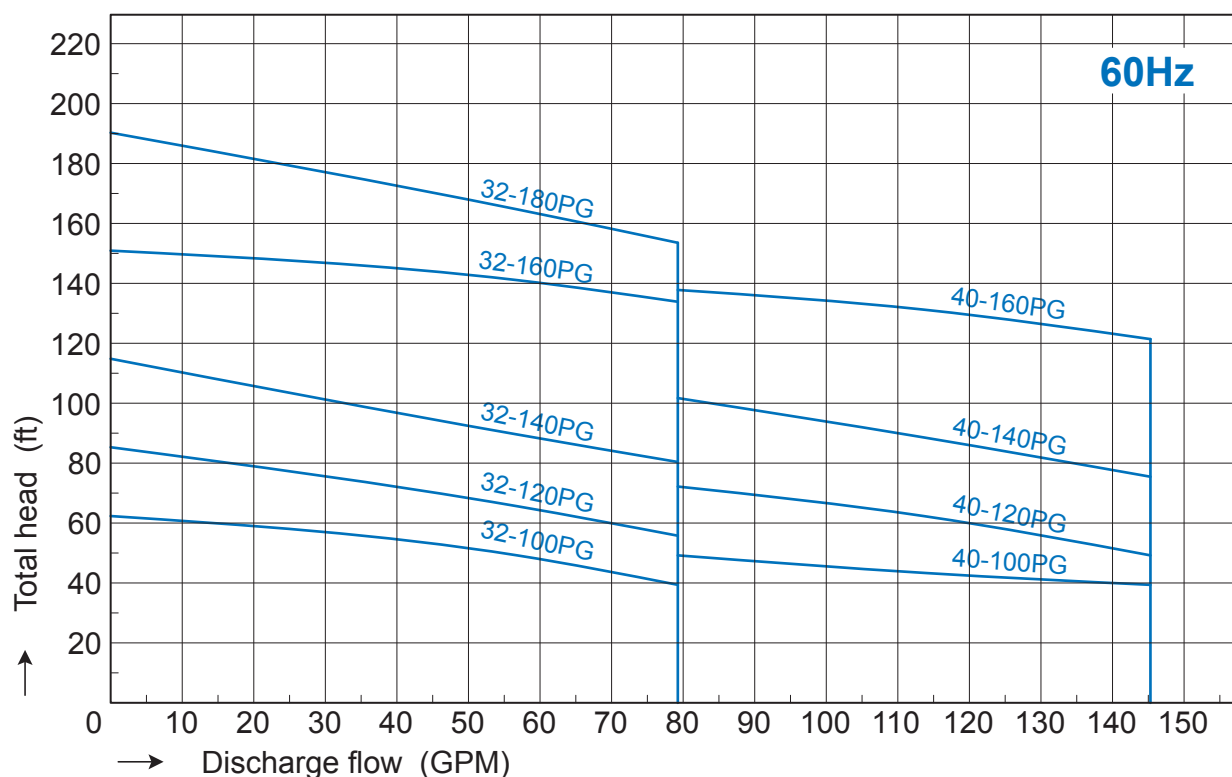
Allowable S.G. and required motor output

60Hz

Model	S.G.:1.0	S.G.:1.2	S.G.:1.5	S.G.:1.9
NH-32-100PG	75.HP	7.5HP	10HP	15HP
NH-32-120PG	7.5HP	10HP	15HP	15HP
NH-32-140PG	10HP	15HP	15HP	15HP
NH-32-160PG	15HP	15HP	15HP	*20HP
NH-32-180PG	15HP	*20HP	*20HP	---
NH-40-100PG	7.5HP	10HP	10HP	15HP
NH-40-120PG	10HP	15HP	15HP	15HP
NH-40-140PG	15HP	15HP	15HP	*20HP
NH-40-160PG	15HP	15HP	*20HP	---

Note: Pump mode with * mark requires trimming impeller diameter according to specific gravity, viscosity and applicable motor.
--- means that operation is not available.

Pump performance curve



PH Series

High pressure magnetic drive pump

- Use glass fiber reinforced PPS (Ryton) for strength.
- One and two stage constructions.
- Pressure capability over 200 feet.
- Temperatures up to 190 F.



Model identification

N H - 3 0 1 2 P H - C V - G

(4) (3) (2) (1)

Model _____
Series _____

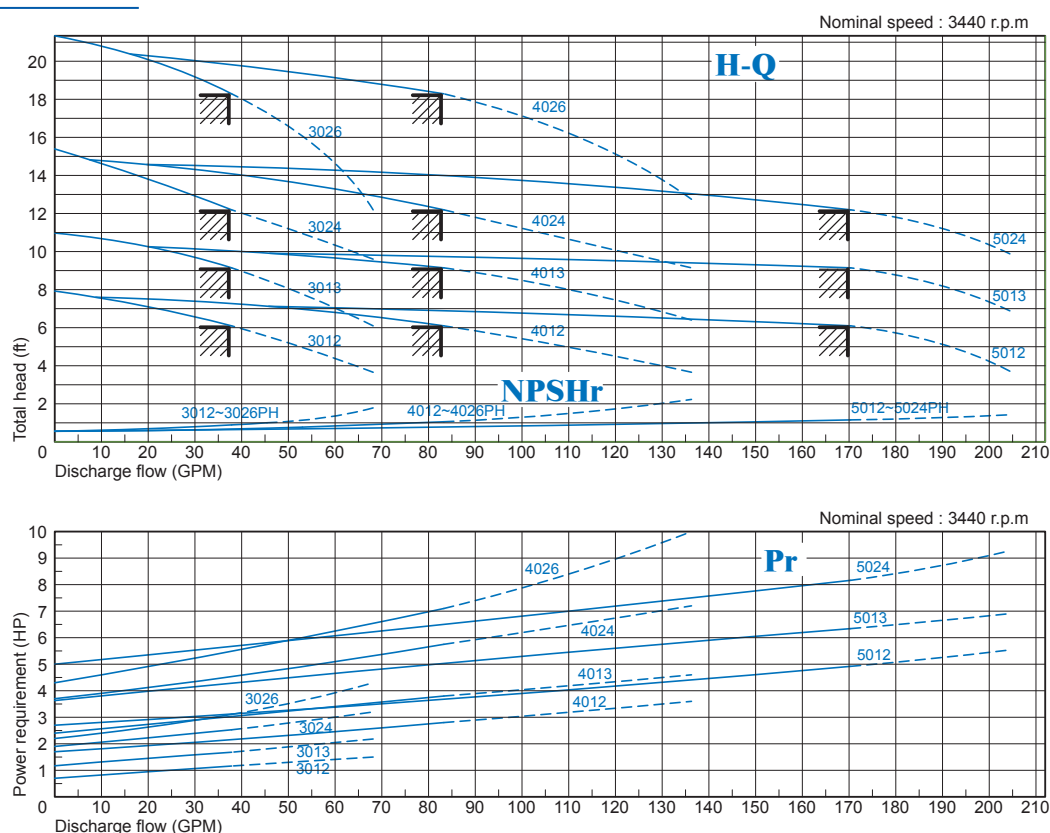
Pipe connection : G BS thread
N NPT thread

Combination of abrasion parts
CV : Carbon bearing *Ceramic spindle *FKM O ring
Si : Sic bearing *Ceramic spindle *FKM O-ring

Specification table

Model	Fitting size (")	Pump performance		Motor HP at GPM discharge flow	Application motor HP		
	Outlet x Inlet	Specific point ft at GPM 60Hz	Max point ft-GPM 60Hz		S.G 1.0	S.G 1.3	S.G 1.5
NH-3012PH	1 x 1 1/2	65.5 at 26.5	85.0-47.5	At 26.5 GPM	2	2	3
NH-3013PH		98.5 at 26.5	118.0-47.5		3	3	5
NH-3024PH		131.0 at 26.5	167.0-47.5		5	5	7.5
NH-3026PH		196.5 at 26.5	230.0-47.5		5	7.5	7.5
NH-4012PH	1 1/2 x 2	65.5 at 58.0	82.0-95.0	At 58.0 GPM	3	5	7.5
NH-4013PH		98.5 at 58.0	111.5-95.0		5	7.5	10
NH-4024PH		131.0 at 58.0	161.0-95.0		7.5	10	15
NH-4026PH		196.5 at 58.0	223.0-95.0		10	15	15
NH-5012PH	2 x 2 1/2	65.5 at 119.0	79.0-142.5	At 119.0 GPM	5	7.5	10
NH-5013PH		98.5 at 119.0	108.0-142.5		7.5	10	15
NH-5024PH		131.0 at 119.0	157.5-142.5		10	15	15

Pump performance curve





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