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*Product Catalogue*

# Household Products

Pressure Boosting pump – Submersible Drainage pump – Submersible Sewage pump –  
Submersible Borehole pump – Agricultural/Industrial pump – Deep Well Application –  
Hot Water Circulation – Chemical Application



# GREEN SOLUTIONS FOR A BETTER CLIMATE.

**Smart. Efficient. Sustainable.**

**Our solutions offer measurable added value.**

The core of our sustainability strategy is to supply more people with clean water while simultaneously reducing our environmental footprint. To achieve this goal, we need to take the entire water cycle into account – from sourcing and supplying drinking water to sewage disposal and treatment. Sustainable water management is necessary to ensure efficient use of this valuable resource and to prevent increased levels of pollution.

On top of that, our high-efficiency technologies support a more considerate use of energy resources all over the world. We offer smart products that integrate seamlessly into digitally controlled water infrastructures.

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# Household Products Catalogue

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Water supply and boosting for housing, apartment, low water pressure area, accommodation and restaurant

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### **Submersible Drainage(PD/DLV/PD-G/TS/TSW/PD-S/PD-A)** **From page 20**

Drainage for general usages, water tank, basement, construction site

### **Submersible Sewage(Rexa MINI3/PDV-A)** **From page 24**

Pumping of sewage (not containing faeces)

### **Submersible Borehole(PSS/PSB)** **From page 26**

Agricultural irrigation, fountain, industrial water supply, firefighting and other facilities

### **Agricultural/Industrial(PU)** **From page 28**

Water transfer for agriculture, greenhouse, flower garden, industry

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Seawater transfer, small aquarium, ship, fish farm

### **Deep Well Application(PC)** **From page 30**

Water supply for housing, agriculture, low water pressure area

### **Hot Water Circulation(PH)** **From page 31**

Hot water circulation

### **Chemical Application(PM/PM-ST5)** **From page 34**

Chemical fluid circulation

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# Pressure Boosting(Inverter Control)

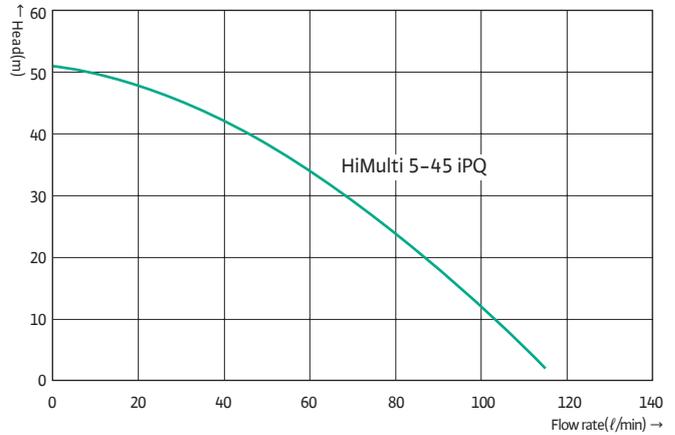
## Wilo-HiMulti 5

Pressure Boosting(Inverter Control)



Wilo-HiMulti 5

### Performance Curve



### Features

- Low noise level(50dB) thanks to two noise blocking covers and water cooling jacket without cooling fan
- Corrosion resistance thanks to engineering plastic material
- Energy saving up to 33% thanks to inverter technology
- Completely new design with LCD screen and green button
- Various protection functions for safe and economic use : Over pressure, dry running, over current, over/low voltage, blocked rotor, anti-freezing /excessive temperature protection

### Application

- Water supply and boosting for housing, apartment and accommodation

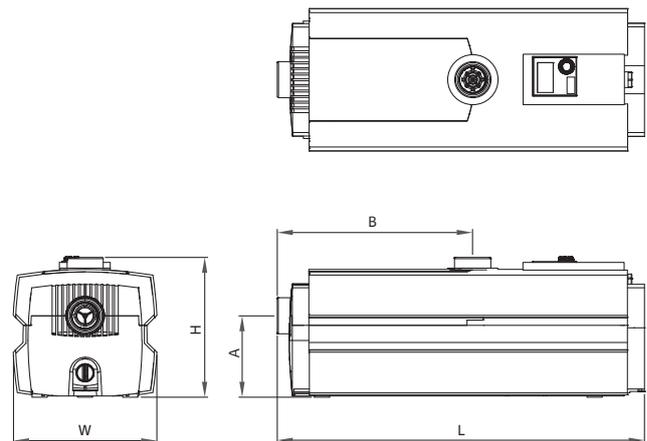
### Model Name

Wilo-HiMulti 5-4 5 i P Q

① ② ③ ④ ⑤

① 4	Rated flow rate : 4m <sup>3</sup> /hr
② 5	Number of impeller
③ i	i : Inverter
④ P	P : Self priming(Max. 8m)
⑤ Q	Q : Quiet

### Dimension Drawing



Model	Dimensions(mm)				
	H	W	L	A	B
HiMulti 5-45 iPQ	222	228	584	131	311



Now watch the animation and discover more about the Wilo-HiMulti 5. Visit our Wilo Korea YouTube channel.

### Technical Data

Model	Power Source	Output (W)	Max. Head (m)	Max. Flow Rate (l/min)	Diameter (mm, inch)	Max. System (Allowable) Pressure (bar)	Max. Setting Pressure (bar)	*Max. Inlet Pressure (bar)	Fluid Temperature (°C)
HiMulti 5-45 iPQ	Single phase 220V 50Hz, 60Hz	750	50	110	32(1 1/4")	8	4.5	3	+5 ~ +35

\* Direct connection to the city water is strictly prohibited.

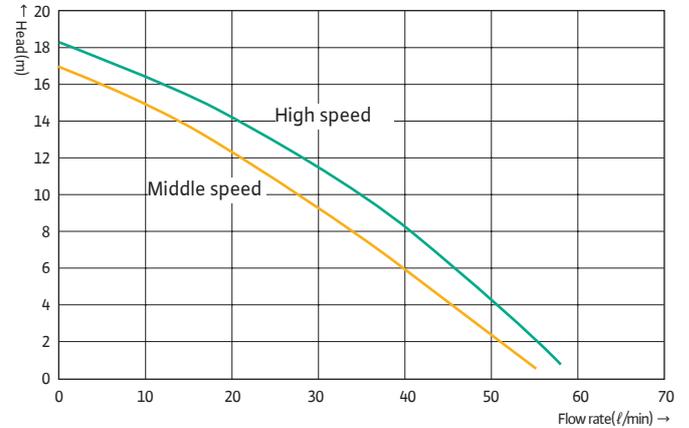
## PE-350EA

Pressure Boosting(Automatic Control)



PE-350EA

### Performance Curve



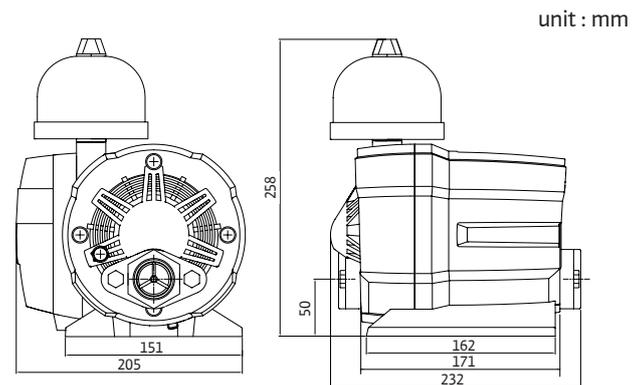
### Features

- 2 step speed control
- Excellent automatic pressure control system
- Corrosion resistance and weight lightening thanks to new material
- Low noise level (>45dB)
- Various protection and alarming functions
- User friendly interface and status displaying thanks to LED screen

### Application

- Pressure boosting
- Water supply and boosting for housing

### Dimension Drawing



Now watch the animation and discover more about the Wilo-PE-350EA. Visit our Wilo Korea YouTube channel.

### Protection Functions

Function	Description	PE-350EA
Over pressure protection	Protection pump from over pressure such as water hammering	Automatic detection /shutoff in case of over pressure
Dry running / Shutoff / Blocked rotor protection	Protection pump from dry running, shutoff, and blocked rotor	Automatic detection /shutoff /warning in case of malfunction
Freeze protection	Freeze protection from severe cold weather in winter	Automatic operation /warning in case of freezing temperature

Technical Data								
Model	Power Source	Output (W)	Max. Head (m)	Max. Flow Rate (l/min)	Diameter (mm, inch)	Max. System (Allowable) Pressure (bar)	*Max. Inlet Pressure (bar)	Fluid Temperature (°C)
PE-350EA	Single phase 220-230V 50Hz	300	18	55	25(1")	5	1.1	0 ~ +35

\* Direct connection to the city water is strictly prohibited.

# Pressure Boosting (Inverter Control)

## MHiKE(-D, -W, -T) Series

Pressure Boosting (Inverter Control)



MHiKE Series



MHiKE-D Series



MHiKE-W/T Series

### Control and Protection Functions

Function	MHiKE Series		MHiKE-D Series	MHiKE-W/T Series
	Single phase	Three phase		
Setting operation at fixed pressure	0	0	0	0
Over pressure protection	0	0	0	0
Auto-reset after blackout	0	0	0	0
Auto-reset after trouble shooting	0	0	0	0
Dry running protection	0	0	0	0
Auto and manual operation (in case of emergency)	0	0	0	0
Over/under voltage protection	0	0	0	0
Warm-up operation	0	0	0	0
Alternative operation	-	-	0	0
Automatic back up (when in trouble)	-	-	0	0
Setting max. and min. frequency of inverter	-	0	-	0
Friction loss compensation	-	0	0	0
Alarming when under the setting pressure	-	-	-	0
Setting max. pressure	-	-	-	0
Operating number control	-	-	-	0

### Technical Data

Model	Output (kW)	Power Source	Inverter Output (kW)	Operating Pressure (kgf/cm <sup>2</sup> )	Rated Flow Rate (l/min)	Flange Size (mm)		Max. Fluid Temperature (°C)	
						Suc.	Dis.		
MHiKE-203A	0.75	Single phase 220V 50Hz	0.75	2	70	25	25	80	
MHiKE-205A	1.1		1.5	4	70	25	25		
MHiKE-402A	0.75		0.75	2	70	32	25		
MHiKE-403A	1.1		1.5	2	110	32	25		
MHiKE-404A	1.5		1.5	4	80	32	25		
MHiKE-405A	1.85		2.2	4	100	32	25		
MHiKE-802A	1.5		1.5	2	150	40	32		
MHiKE-803A	1.85		2.2	2	200	40	32		
MHiKE-D404A	1.5 X 2		1.5X2	4.5	130	50	50		
MHiKE-D405A	1.85X2		2.2 X 2	4	220	50	50		
MHiKE-D802A	1.5 X 2		1.5 X 2	2.5	250	65	65		
MHiKE-D803A	1.85X2		2.2 X 2	2	380	65	65		
MHiK-W406GA	2.2 X 2		Three phase 380V 50Hz	2.2	4	180	50		50
MHiKE-W804GA	2.5 X 2			3	3	300	65		65
MHiKE-W805GA	3 X 2	4		4	280	65	65		
MHiKE-T406GA	2.2 X 3	2.2		4	280	65	65		
MHiKE-T804GA	2.5 X 3	3		3	450	80	80		
MHiKE-T805GA	3 X 3	4		4	450	80	80		

## MHiKE Series

Pressure Boosting (Inverter Control)



MHiKE Series

### Features

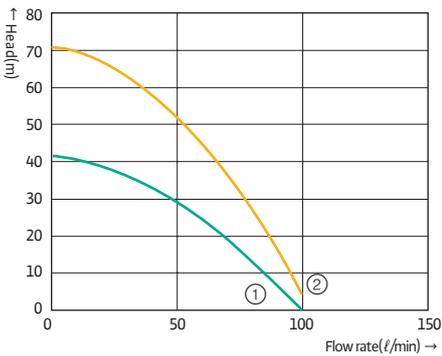
- Excellent energy saving (max 80% of saving energy with VFD)
- Various pump protection functions
- Easy installation and maintenance (by restarting automatically when the error is solved)
- Excellent design and lightweight (low noise & vibration)

### Application

- Water supply and pressure boosting
- Residential areas, motels, holiday houses, etc.
- Small sprinkler, water management facility which requires a fixed pressure
- Fire extinguisher pump, industrial circulating system
- Boiler water supply, coolant system, etc.

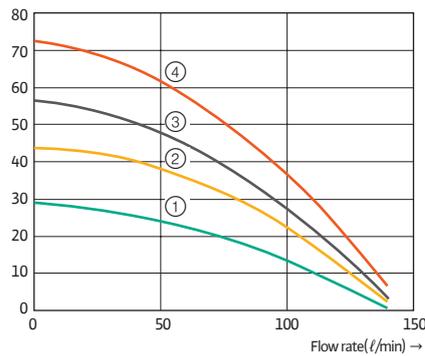
### Performance Curve

MHiKE-2 Series



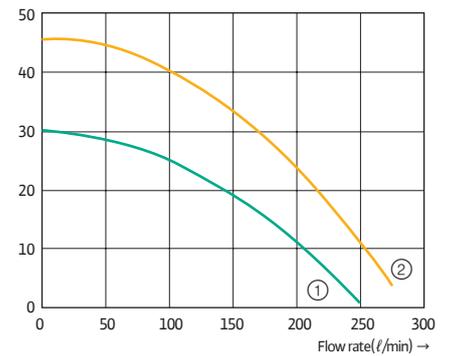
① MHike-203A    ② MHike-205A

MHiKE-4 Series



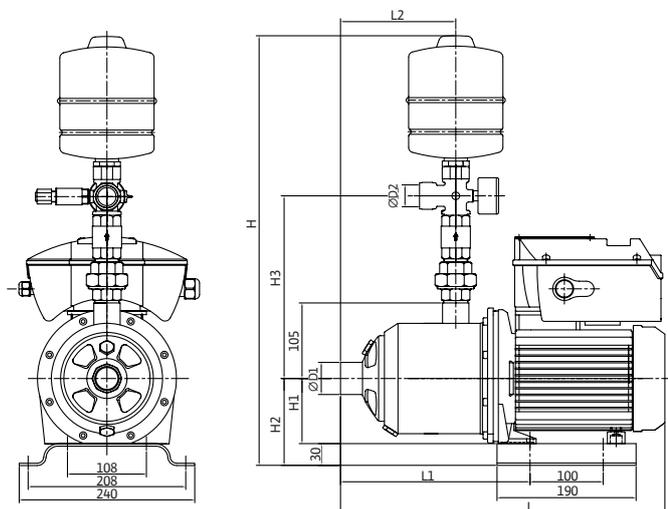
① MHike-402A    ② MHike-403A  
③ MHike-404A    ④ MHike-405A

MHiKE-8 Series



① MHike-802A    ② MHike-803A

### Dimension Drawing



Model	Dimensions(mm)								
	H	H1	H2	H3	L	L1	L2	D1	D2
MHiKE-203A	610	90	120	380	385	185	109.5	1"	1"
MHiKE-205A	610	90	120	380	430	235	157.5	1"	1"
MHiKE-402A	610	90	120	380	385	185	109.5	1 1/4"	1"
MHiKE-403A	610	90	120	380	385	185	109.5	1 1/4"	1"
MHiKE-404A	610	90	120	380	425	225	157.5	1 1/4"	1"
MHiKE-405A	610	90	120	380	425	225	157.5	1 1/4"	1"
MHiKE-802A	630	90	120	385	390	190	121.5	1 1/2"	1 1/4"
MHiKE-803A	630	90	120	385	390	190	121.5	1 1/2"	1 1/4"

# Pressure Boosting (Inverter Control)

## MHiKE-D Series

Pressure Boosting (Inverter Control)



MHiKE-D Series

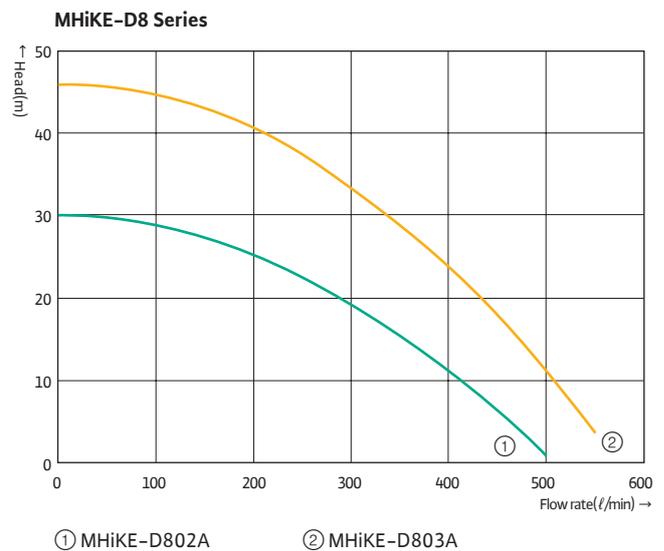
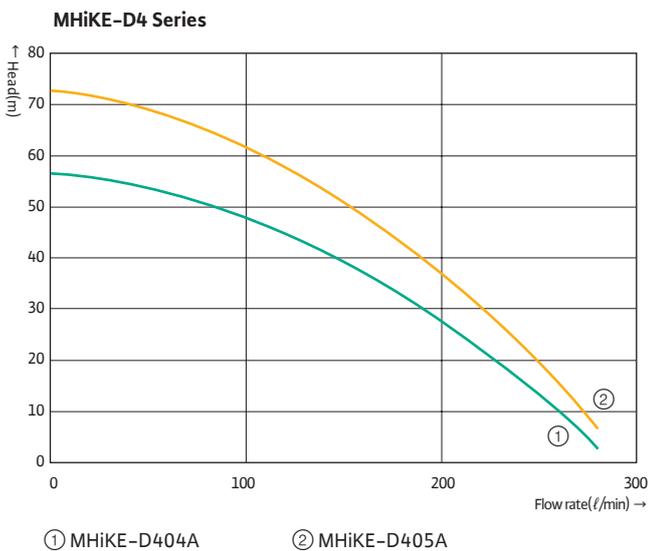
### Features

- Long lifetime thanks to automatic load distribution
- Dry running protection thanks to constant detection
- Prevents sudden water supply interruption thanks to skip operation function of faulty pump
- Warm-up function : operates periodically at the minimum speed when the pump is not used for a long time

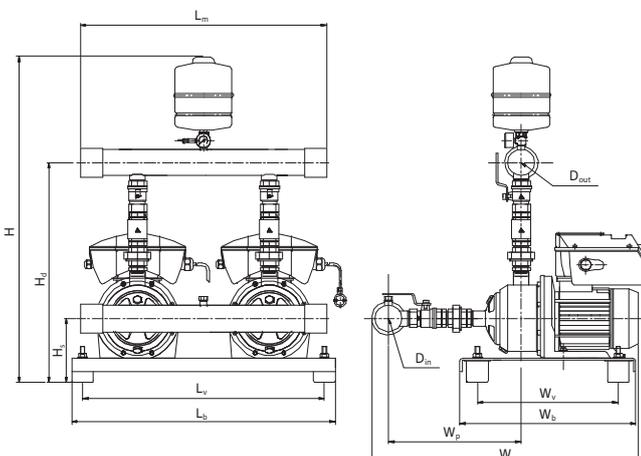
### Application

- Water supply and pressure boosting (Large capacity, high-rise/low water pressure areas)
- Residential areas, motels, holiday houses, etc.

### Performance Curve



### Dimension Drawing



Model	Dimensions(mm)											
	H	H <sub>s</sub>	H <sub>d</sub>	L <sub>m</sub>	L <sub>v</sub>	L <sub>b</sub>	W	W <sub>p</sub>	W <sub>v</sub>	W <sub>b</sub>	D <sub>in</sub>	D <sub>out</sub>
MHiKE-D404A	870	140	530	560	550	600	655	360	320	400	50A	50A
MHiKE-D405A	870	140	530	560	550	600	655	360	320	400	50A	50A
MHiKE-D802A	900	140	560	560	550	600	725	380	320	400	65A	65A
MHiKE-D803A	900	140	560	560	550	600	725	380	320	400	65A	65A

## MHiKE-W/T Series

Pressure Boosting (Inverter Control)



MHiKE-W/T Series

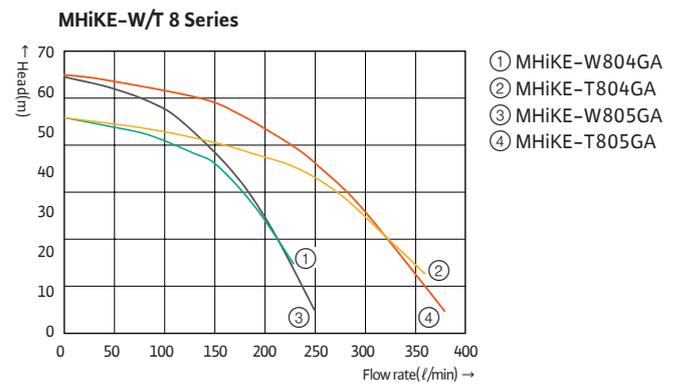
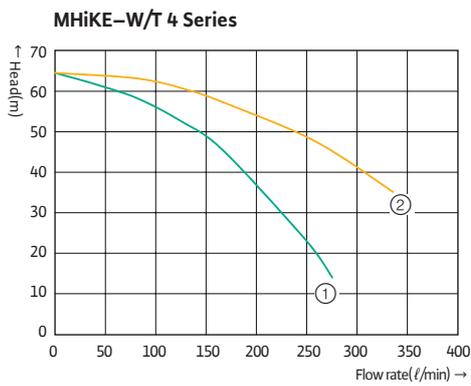
### Features

- Long lifetime thanks to automatic load distribution
- Prevents unnecessary pressure losses thanks to friction loss compensation function
- Prevents overload of pumps thanks to inverter alternating cycle
- Prevents sudden water supply interruption thanks to skip operation function of faulty pump

### Application

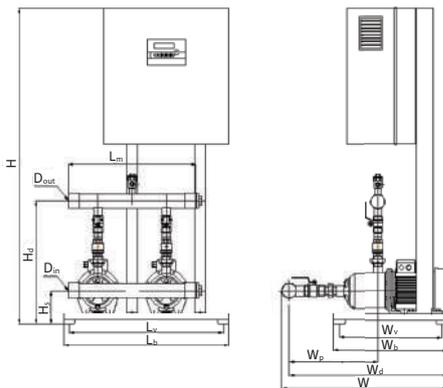
- Water supply and pressure boosting
- Small building, studio apartment, etc.
- Construction work (Instead of booster)

### Performance Curve

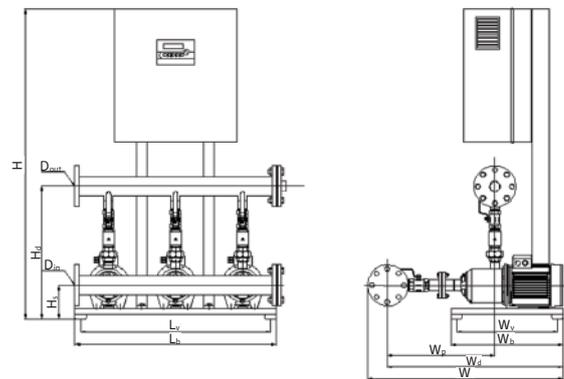


### Dimension Drawing

#### MHiKE-W Series



#### MHiKE-T Series



Model	Dimensions(mm)											
	H	H <sub>s</sub>	H <sub>d</sub>	L <sub>v</sub>	L <sub>b</sub>	W <sub>v</sub>	W <sub>b</sub>	W <sub>p</sub>	W <sub>d</sub>	W	D <sub>in</sub>	D <sub>out</sub>
MHiKE-W406GA	1400	152.5	541	675	725	450	500	385	685	720	50	50
MHiKE-W804GA	1400	152.5	570	675	725	450	500	410	710	760	65	65
MHiKE-W805GA	1400	152.5	570	675	725	450	500	410	710	760	65	65
MHiKE-T406GA	1400	152.5	570	850	900	450	500	470	770	857	65	65
MHiKE-T804GA	1400	152.5	600	850	900	450	500	485	785	877	80	80
MHiKE-T805GA	1400	152.5	600	850	900	450	500	485	785	877	80	80

# Pressure Boosting (Inverter Control)

## PBI(-L,-LD) Series

Pressure Boosting (Inverter Control)



PBI-L Series (Self priming)



PBI-L Series (non self priming)



PBI-LD Series

### Features

- Energy saving thanks to high-end inverter control system
- Various operation mode (rpm, pressure)
- User friendly interface and status displaying thanks to display screen
- Durability and corrosion resistance thanks to stainless steel and engineering plastic application
- Max. fluid temperature: 0~80°C for 2/4 Series & 0~35°C for 3/6 Series

### Application

- Water supply and boosting for housing, apartment and accommodation
- Small sprinkler and water management facility which requires a fixed pressure

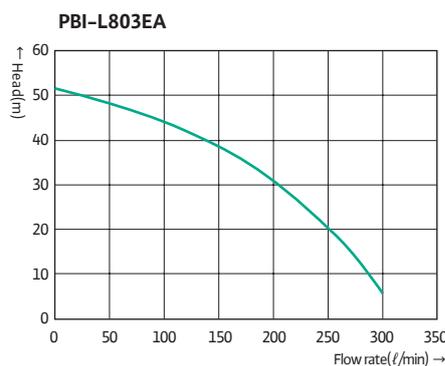
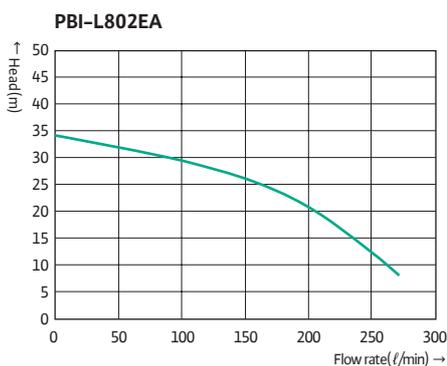
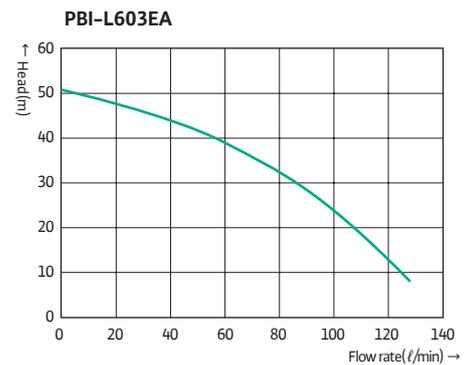
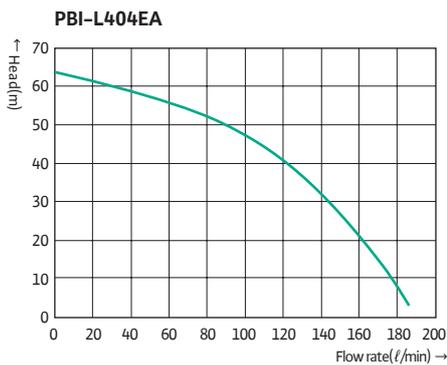
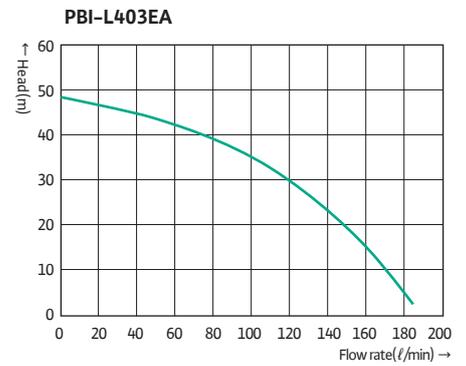
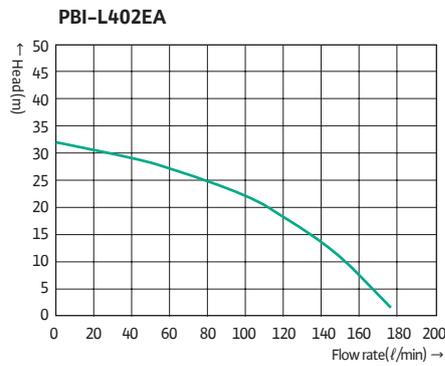
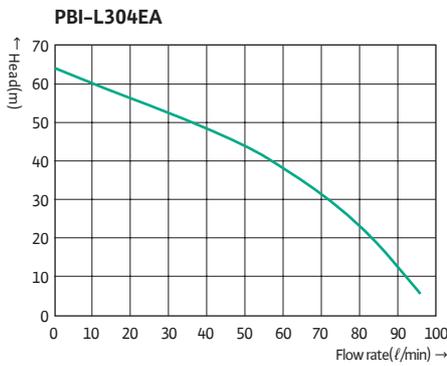
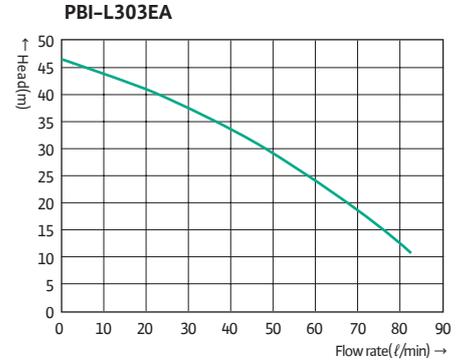
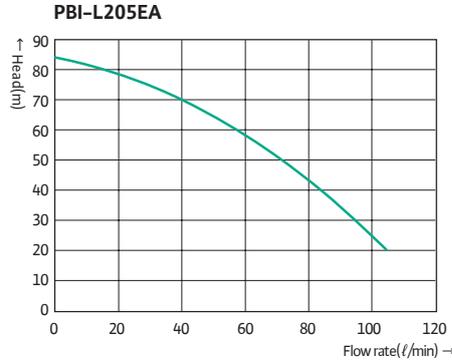
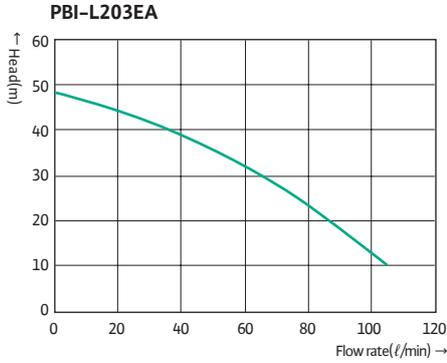
### Control and Protection Functions

Function	PBI-L Series		PBI-LD Series
	Single phase	Three phase	
Setting operation at fixed pressure	0	0	0
Over pressure protection	0	0	0
Auto-reset after blackout	0	0	0
Auto-reset after trouble shooting	0	0	0
Dry running protection	0	0	0
Auto and manual operation (in case of emergency)	0	0	0
Over/under voltage protection	0	0	0
Warm-up operation	0	0	0
Alternative operation	-	-	0
Automatic back up (when in trouble)	-	-	0
Setting max. and min. frequency of inverter	-	0	-
Friction loss compensation	-	0	0

## PBI(-L,-LD) Series

Pressure Boosting (Inverter Control)

### Performance Curve

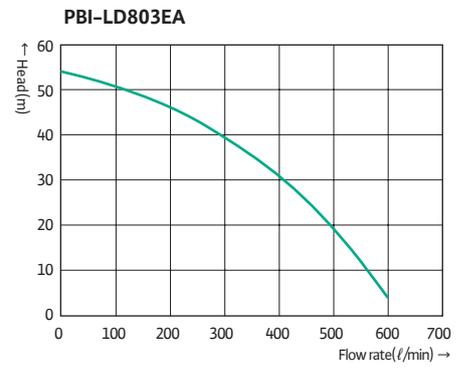
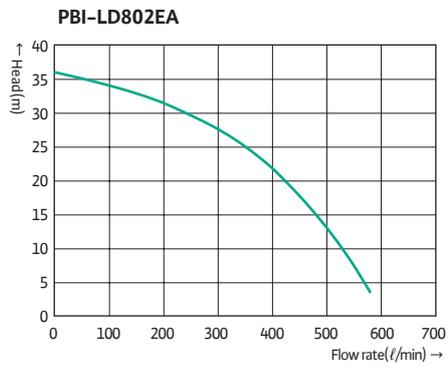
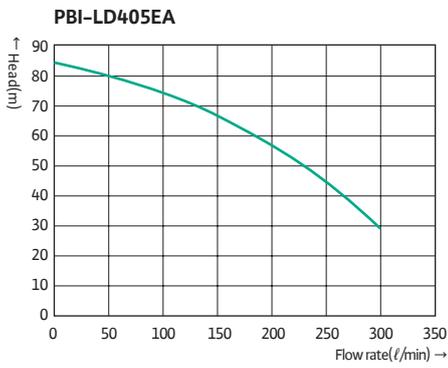
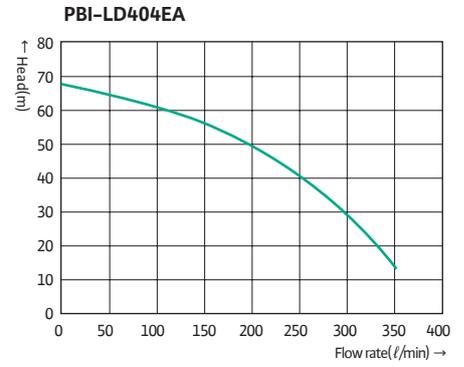
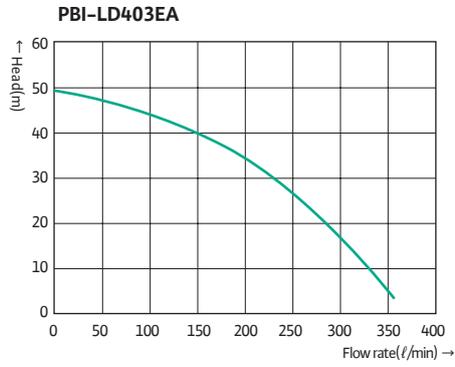


# Pressure Boosting (Inverter Control)

## PBI(-L,-LD) Series

Pressure Boosting (Inverter Control)

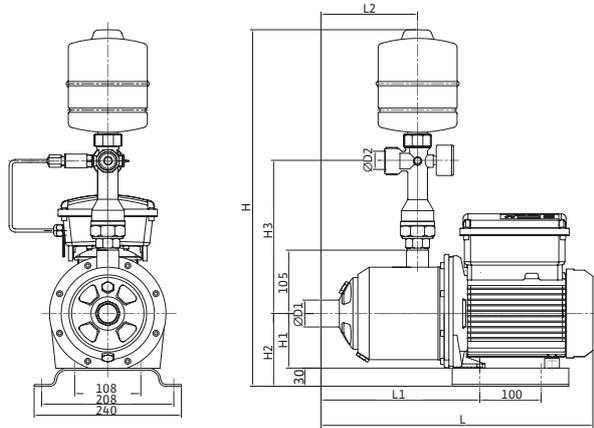
### Performance Curve



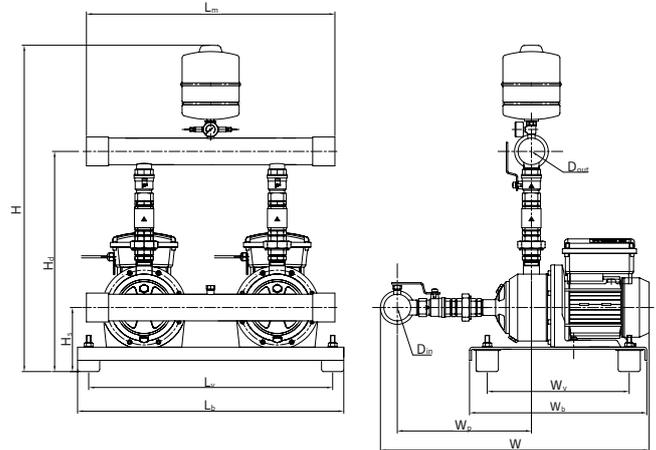
## PBI(-L,-LD) Series Pressure Boosting (Inverter Control)

### Dimension Drawing

PBI-L Series



PBI-LD Series



Model	Dimensions(mm)								
	H	H1	H2	H3	L	L1	L2	D1	D2
PBI-L203EA	580	90	120	435	360	204	109.5	25	25
PBI-L205EA	580	90	120	435	425	252	157.5	25	25
PBI-L303EA	580	90	120	435	425	252	157.5	25	25
PBI-L304EA	580	90	120	435	425	252	157.5	25	25
PBI-L402EA	580	90	120	435	360	204	109.5	32	25
PBI-L403EA	580	90	120	435	425	204	109.5	32	25
PBI-L404EA	580	90	120	380	425	252	157.5	32	25
PBI-L405EA	580	90	120	380	425	252	157.5	32	25
PBI-L603EA	580	90	120	435	425	252	157.5	32	25
PBI-L802EA	580	90	120	385	390	216	121.5	40	32
PBI-L803EA	580	90	120	385	390	216	121.5	40	32

Model	Dimensions(mm)											
	H	H <sub>s</sub>	H <sub>d</sub>	L <sub>m</sub>	L <sub>v</sub>	L <sub>d</sub>	W	W <sub>p</sub>	W <sub>v</sub>	W <sub>b</sub>	D <sub>in</sub>	D <sub>out</sub>
PBI-LD402EA	870	140	530	560	550	600	655	360	320	400	50A	50A
PBI-LD403EA	870	140	530	560	550	600	655	360	320	400	50A	50A
PBI-LD404EA	870	140	530	560	550	600	655	360	320	400	50A	50A
PBI-LD405EA	870	140	530	560	550	600	655	360	320	400	50A	50A
PBI-LD802EA	870	140	530	560	550	600	725	360	320	400	65A	65A
PBI-LD803EA	870	140	530	560	550	600	725	360	320	400	65A	65A

Technical Data								
Model	Output (kW)	Power Source	Inverter Output (kW)	Operating Pressure (kgf/cm <sup>2</sup> )	Rated Flow Rate (ℓ/min)	Flange Size(mm)		Max. Fluid Temperature (°C)
						Suc.	Dis.	
PBI-L203EA	0.75	Single phase 220V 50Hz	1.1	2	70	25	25	80
PBI-L205EA	1.1		1.85	4	70	25	25	80
PBI-L303EA	0.75		1.1	2	60	25	25	35
PBI-L304EA	1.1		1.1	4	50	25	25	35
PBI-L402EA	0.75		1.1	2	70	32	25	80
PBI-L403EA	1.1		1.1	2	110	32	25	80
PBI-L404EA	1.5		1.85	4	80	32	25	80
PBI-L405EA	1.85		1.85	4	100	32	25	80
PBI-L603EA	1.1		1.1	2	100	32	25	35
PBI-L802EA	1.5		1.85	2	150	40	32	80
PBI-L803EA	1.85		1.85	2	200	40	32	80
PBI-LD402EA	0.75X2		1.1X2	2	120	50	50	80
PBI-LD403EA	1.1X2		1.1X2	3.5	180	50	50	80
PBI-LD404EA	1.5 X 2		1.85X2	4.5	130	50	50	80
PBI-LD405EA	1.85X2		1.85X2	4	220	50	50	80
PBI-LD802EA	1.85X2		1.85X2	2	380	65	65	80

\* PBI-L 303/304/603EA = Self priming type

# Pressure Boosting

## PB Series

Pressure Boosting

### Features

- Low noise level
- Automatic operation by precise flow switch
- Steady pressure level

### Application

- Water supply and boosting for housing
- Water supply for solar heating system

### Downward



PB-088EA



PB-200EA



PB-400EA



PB-S089EA

### Technical Data (Downward)

Model	Power Source	Output (W)	Max. Head (m)	Max. Flow Rate (ℓ/min)	Diameter (mm, inch)	Max. Inlet Pressure (bar)	Fluid Temperature (°C)
PB-088EA	Single phase 230V 50Hz	80	8	35 (Ht=0.5m)	15(1/2")	1.2	0 ~ +80
PB-200EA		200	15	55 (Ht=0.5m)	15(1/2") or 20(3/4")	2	0 ~ +80
PB-201EA		200	15	65 (Ht=0.5m)	25(1")	2	0 ~ +80
PB-S125EA		125	11	42(Ht=0.5m)	20(3/4")	1.5	0 ~ +80
PB-400EA	Single phase 220V 50Hz	400	20	75 (Ht=0.5m)	32(1 1/4")	2.5	0 ~ +80
PB-H089EA		80	9	40(Ht=0.5m)	15(1/2")	1.2	0 ~ +100
PB-S089EA		60	8	35 (Ht=0.5m)	15(1/2")	1.2	0 ~ +80

※ PB-S089EA/PB-S125EA: Engineering plastic for wet parts

### Upward



PB-250SEA



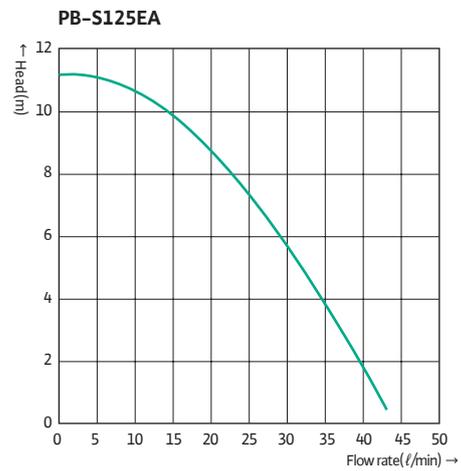
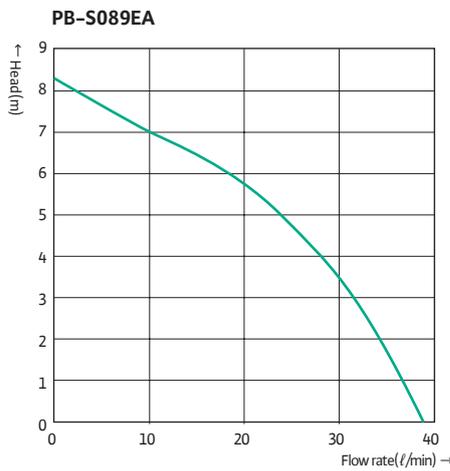
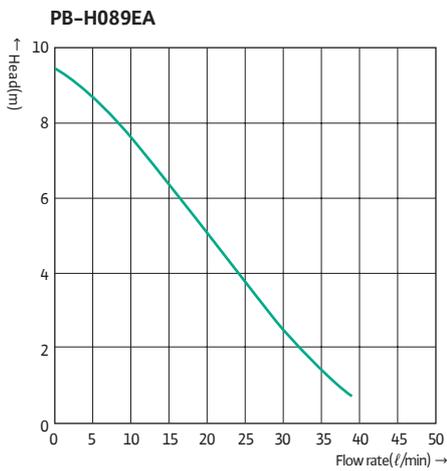
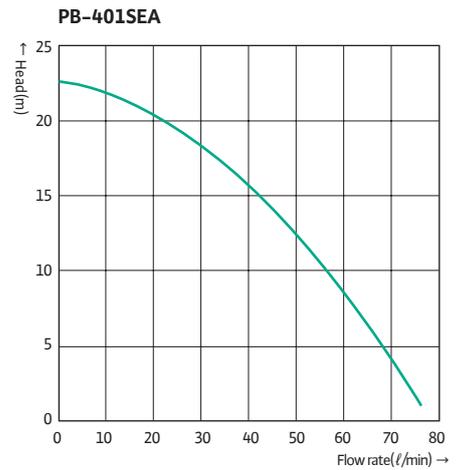
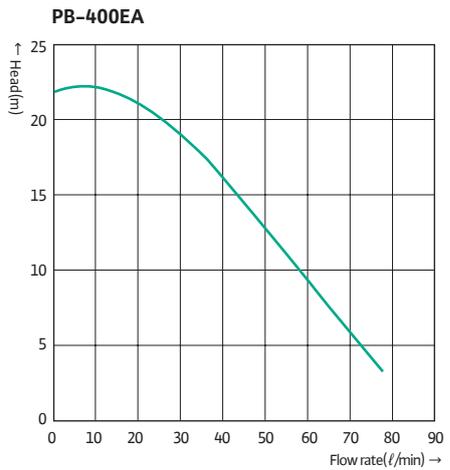
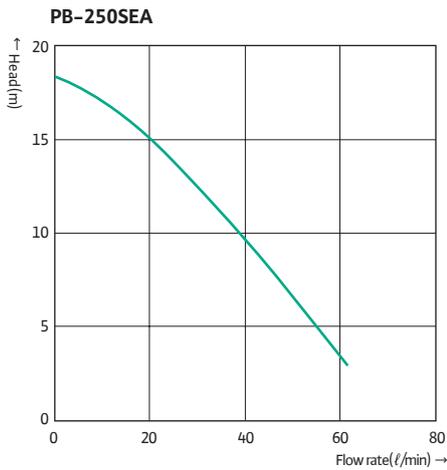
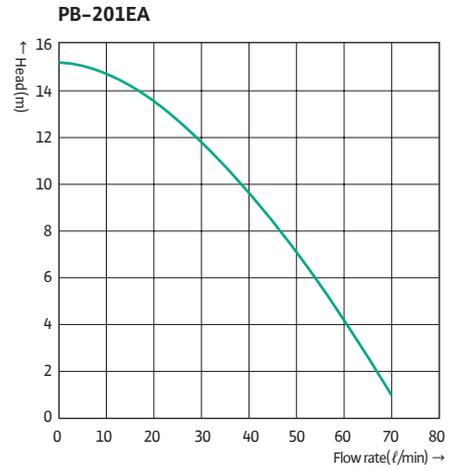
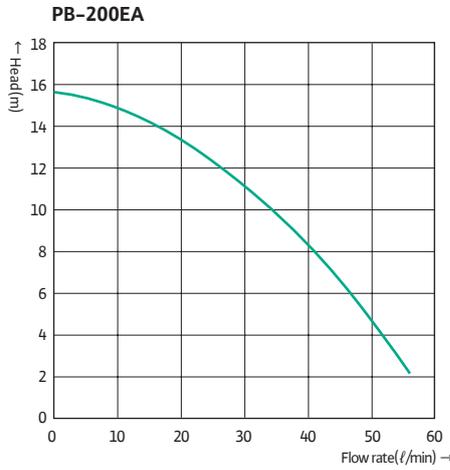
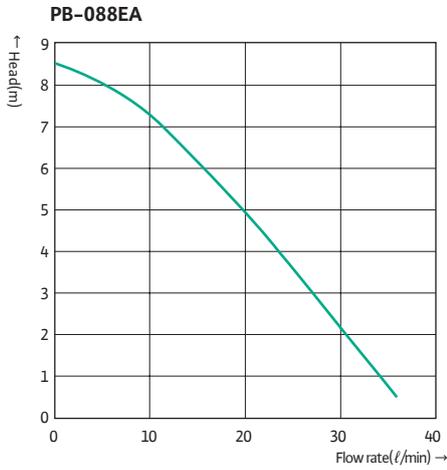
PB-401SEA

### Technical Data (Upward)

Model	Power Source	Output (W)	Max. Head (m)	Rated flow rate (ℓ/min)	Max. Flow Rate (ℓ/min)	Diameter (mm, inch)	Max. Inlet Pressure (bar)	Fluid Temperature (°C)
PB-250SEA	Single phase 220V 50Hz	250	19	35 (Ht=12m)	65	25(1")	2	0 ~ +60
PB-401SEA		400	21	45 (Ht=12m)	70	32(1 1/4")	2.5	0 ~ +60

## PB Series Pressure Boosting

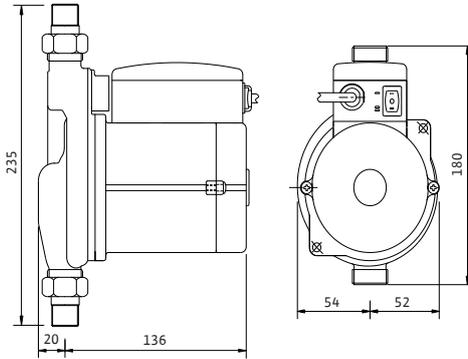
### Performance Curve



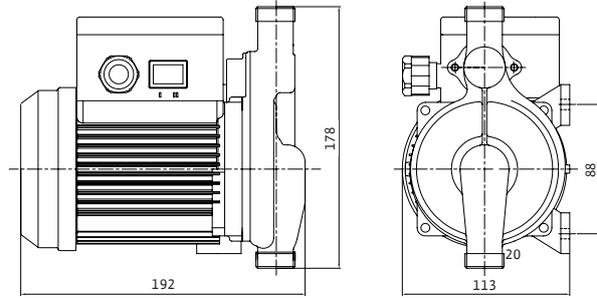
### Dimension Drawing

unit : mm

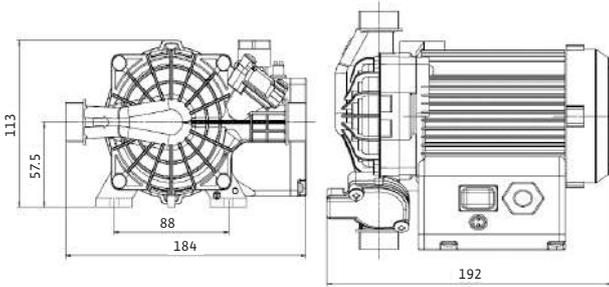
**PB-088EA**



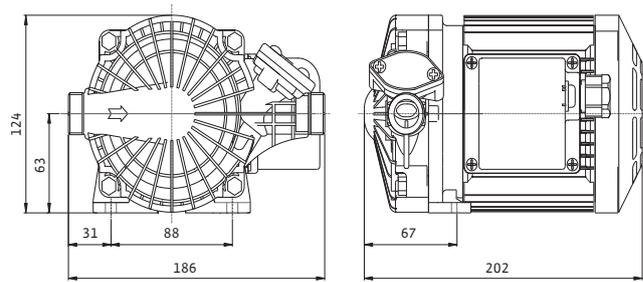
**PB-H089EA**



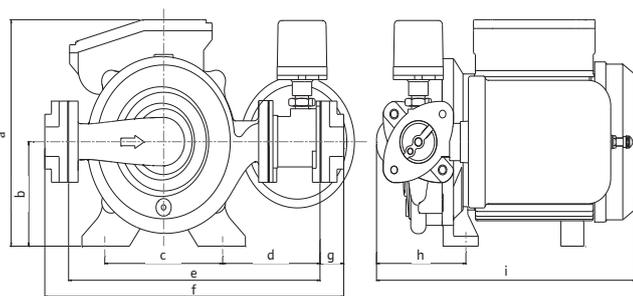
**PB-S089EA**



**PB-S125EA**

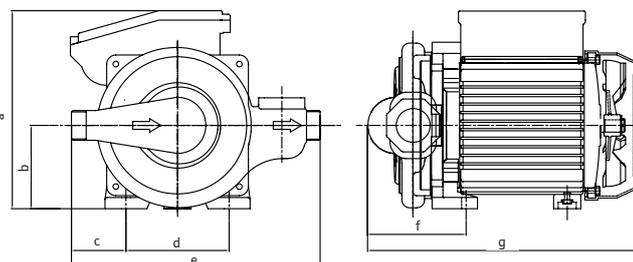


**PB-250SEA, PB-401SEA**



Model	Dimensions(mm)								
	a	b	c	d	e	f	g	h	i
PB- 250SEA	182	86	124	99	260	304	22	97.5	248
PB- 401SEA	207	95	124	103	265	315	25	94	273

**PB-200EA, 201EA, 400EA**



Model	Dimensions(mm)						
	a	b	c	d	e	f	g
PB-200EA	176	74	45	91	220	85	235
PB-201EA	176	74	57	91	240	87	237
PB-400EA	207	95	63	124	270	105	275

## PW Series Pressure Boosting



PW-175EA



PW-122EA



PW-252EA

### Features

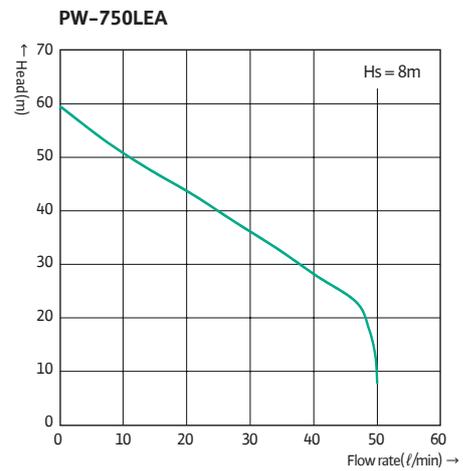
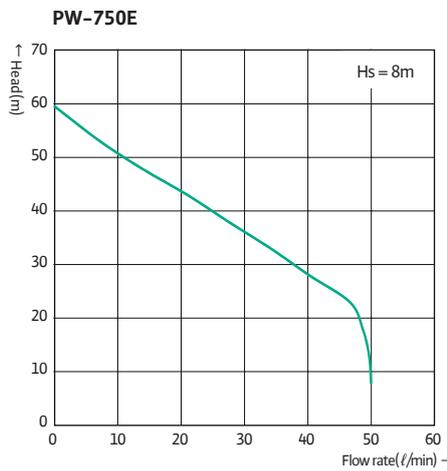
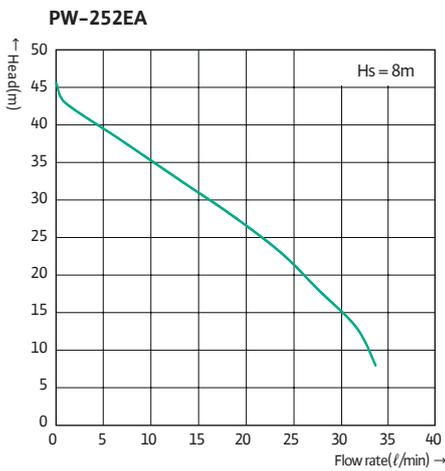
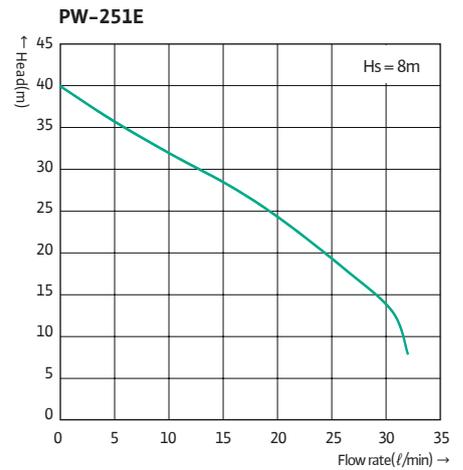
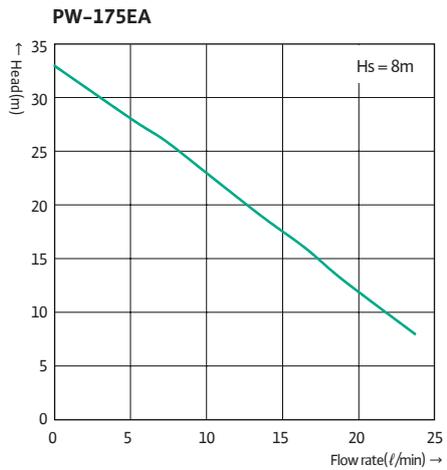
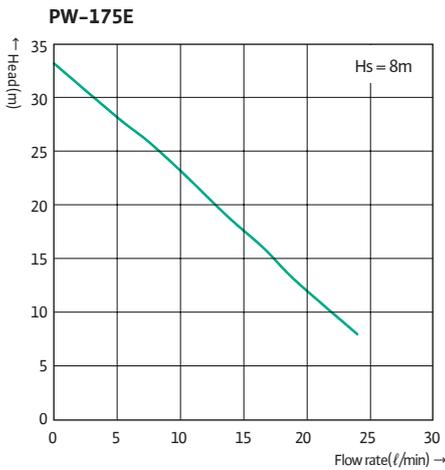
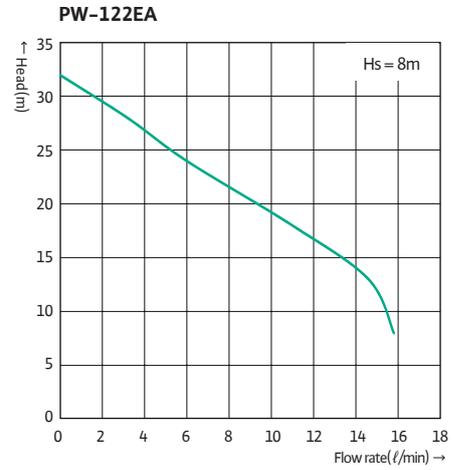
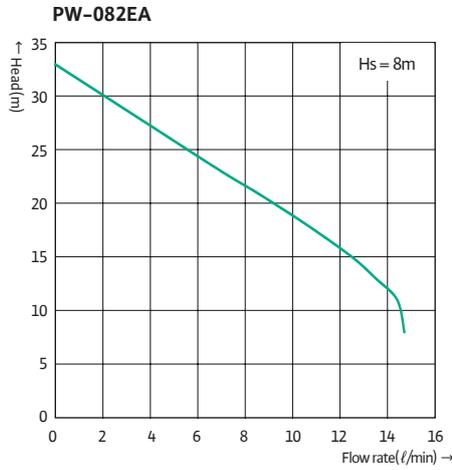
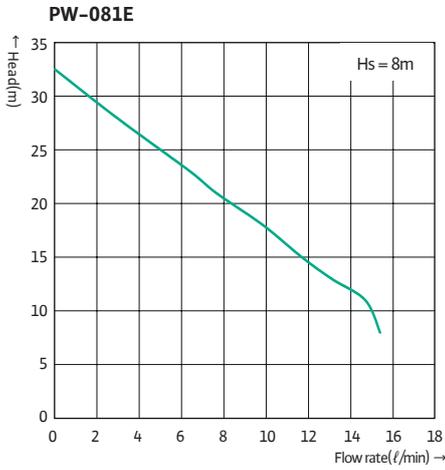
- High efficiency design with low electric consumption
- Easy assembly and disassembly
- Optimized design for self-priming

### Application

- Water supply and boosting for housing from well

Technical Data								
Model	Power Source	Output (W)	Max. Suction Head (m)	Max. Head (m)	Max. Flow Rate (ℓ/min)	Flange Size (mm, inch)	Tank volume (ℓ)	Max. Inlet Pressure (bar)
PW-081E	Single phase 220V 50Hz	80	8	15	20	20(3/4")	-	1
PW-082EA		80	8	15	20	20(3/4")	1	1
PW-122EA		125	8	18	25	20(3/4")	1	1
PW-175E		125	8	19	30	25(1")	-	1
PW-175EA		125	8	19	30	25(1")	1	1
PW-251E		250	8	24	40	25(1")	-	1
PW-252EA		250	8	24	40	25(1")	1	1
PW-750E		750	8	55	70	40(1 1/2")	-	1
PW-750LEA		750	8	55	70	40(1 1/2")	20	1

### Performance Curve

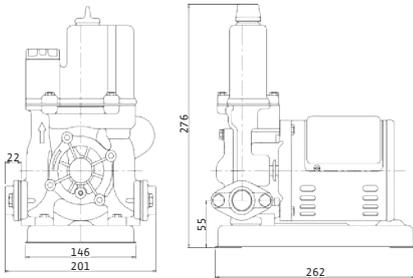


## PW Series Pressure Boosting

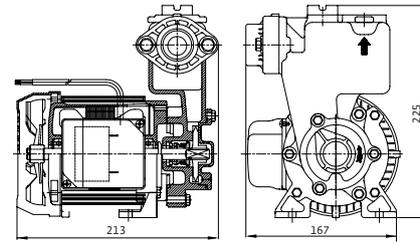
### Dimension Drawing

unit : mm

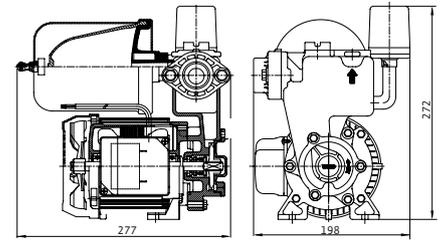
**PW-081E, 082EA, 122EA**



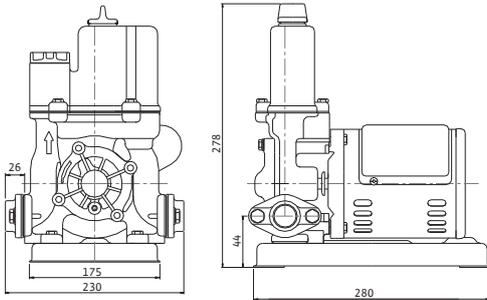
**PW-175E**



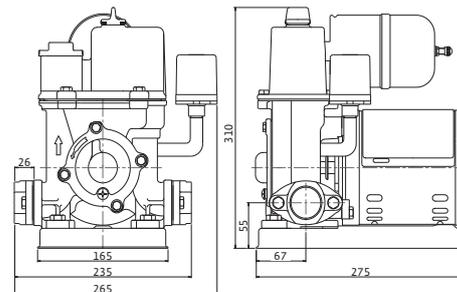
**PW-175EA**



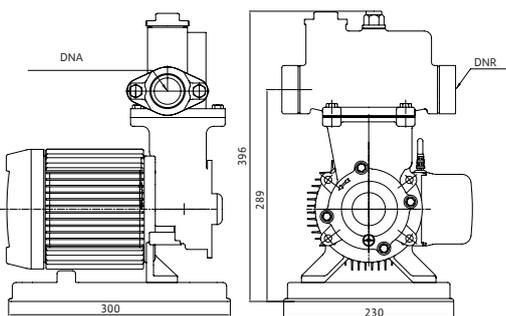
**PW-251E**



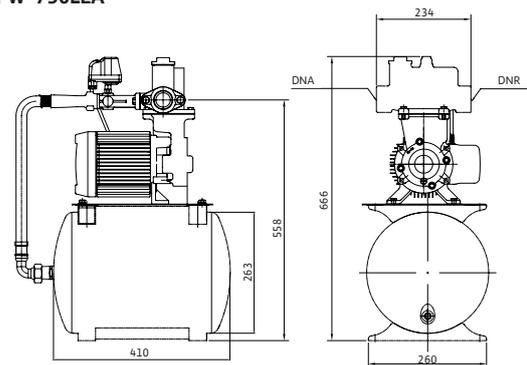
**PW-252EA**



**PW-750E**



**PW-750LEA**



# Submersible Drainage

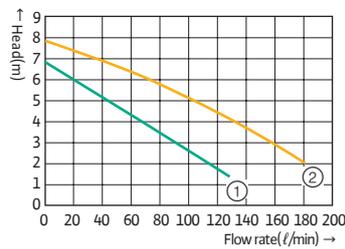
## PD Series

Volute Type



PD-180E(A) PD-300E(A)

### Performance Curve

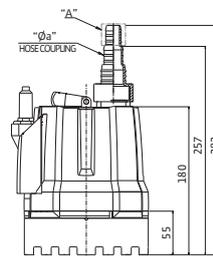


① PD-180E(A)  
② PD-300E(A)

### Features

- Lower residual water level
- Smaller motor size
  - Water cooling structure
  - Pressure sensor auto control
- Anti-rust material
- Component parts insensitive to corrosion
- Automatic operation by float switch(EA models)

### Dimension Drawing



unit : mm

Model	"A"	Øa(mm)
PD-180E(A)	O	20, 25, 32
PD-300E(A)	-	25, 32

### Application

- Cleaning public bath, water tank
- Drainage to prevent flooding for small space
- Lift & transfer water

### Technical Data

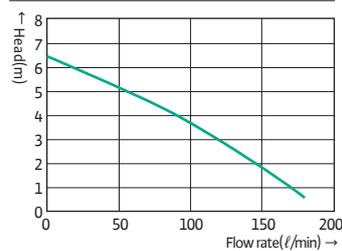
Model	Power Source	Fluid Temperature (°C)	Output (W)	Max. Head (m)	Max. Flow Rate (l/min)	Discharge Size (mm, inch)
PD-180E(A)	Single phase 220V 50Hz	0 ~ +40	180	5.5	100	20, 25, 32
PD-300E(A)			300	7.5	160	25, 32

## DLV Series

Drainage Pump System



### Performance Curve



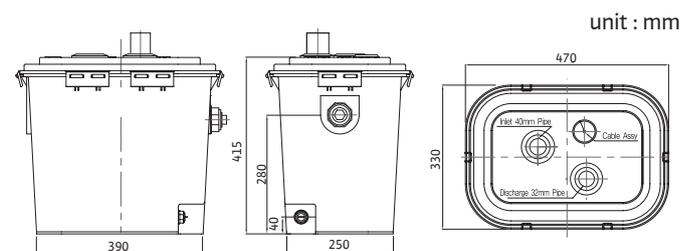
### Features

- All-in-one locking structure, neat design
- Strong to external impact
- Adopting a vortex type pump
- Suitable for usage at low temperature thanks to flexible case material (liquid temp. -0 ~ 40 °C)
- Complete protection from bad scent thanks to silicon gasket
- Maximum capacity is 23 l

### Application

- Wastewater treatment at first basement floor or Semi-basement floor
- Wash machine, shower room, dish washer, kitchen, wash basin and urinal (Up to 23 l)

### Dimension Drawing



unit : mm

### Technical Data

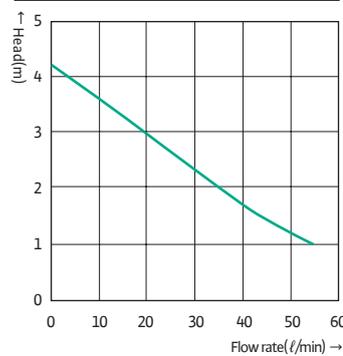
Model	Power Source	Fluid Temperature (°C)	Output (W)	Capacity (l/min)	Suction Size (mm, inch)	Discharge Pipe Size (mm, inch)	Free Passage Size (mm)
DLV-300EA	Single phase 220V 50Hz	0 ~ +40	280	100 (Ht=3m)	Top: 40 (1 1/2") Side: 32 (1 1/4")	32 (1 1/4")	20

## PD-G Series Volute Type



PD-G050E(A)

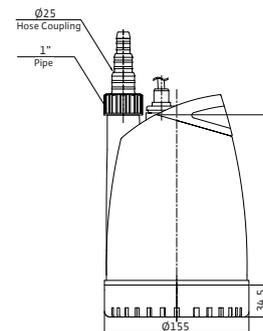
### Performance Curve



### Features

- Lower residual water
- Anti-corrosion material for wetted part
- Safety design for motor
  - Built with Thermal Protector (T.P)
- Automatic operation by float switch(EA model)

### Dimension Drawing



unit : mm

### Application

- Most suitable to drain thick water from pools, ditches, sewers
- Drainage from cellar

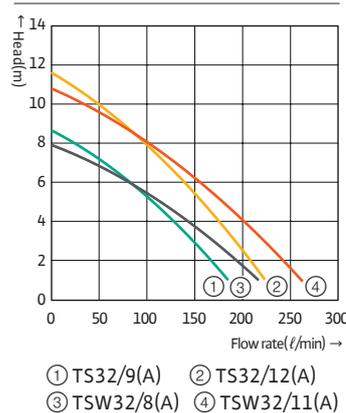
Technical Data						
Model	Power Source	Fluid Temperature (°C)	Output (W)	Max. Head (m)	Max. Flow Rate (l/min)	Discharge Size (mm, inch)
PD-G050E(A)	Single phase 220V 50Hz	+3 ~ +40	50	3.5	45	25 (1")

## TS, TSW Series Volute Type



TS, TSW Series

### Performance Curve

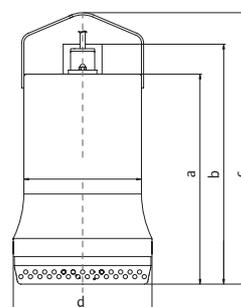


- ① TS32/9(A)    ② TS32/12(A)
- ③ TSW32/8(A)    ④ TSW32/11(A)

### Features

- Stainless steel material
- Vertical discharge - Save up installation space
- Automatic operation by float switch (A model)
- CE certificate
- TSW : With turbulator

### Dimension Drawing



Model	Dimensions(mm)			
	a	b	c	d
TS32/9A/B	246	280	320	161
TS32/12A/B	266	300	340	161
TSW32/8A/B	270	300	340	171
TSW32/11A/B	290	320	360	171

### Application

- Clean water drainage

Technical Data						
Model	Power Source	Fluid Temperature (°C)	Output (W)	Max. Head (m)	Max. Flow Rate (l/min)	Discharge Size (mm, inch)
TS32/9(A)	Single phase 220V 50Hz	+3 ~ +35	300	8.6	185	32(1 1/4")
TS32/12(A)		+3 ~ +35	600	11.6	225	32(1 1/4")
TSW32/8(A)		+3 ~ +35	300	7.9	215	32(1 1/4")
TSW32/11(A)		+3 ~ +35	600	10.8	260	32(1 1/4")

# Submersible Drainage

## PD-S Series

Volute Type

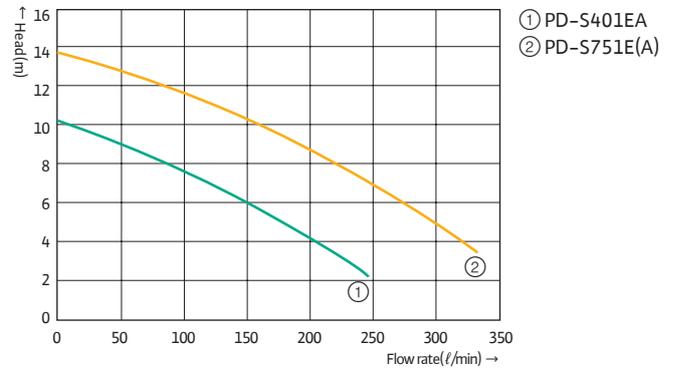


PD-S401EA



PD-S751E(A)

### Performance Curve



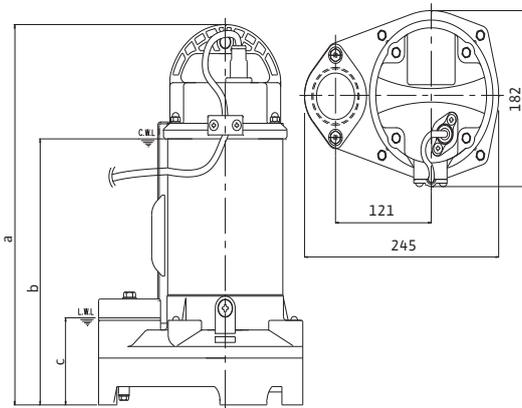
### Features

- Stainless steel material
- Vertical discharge - Save up installation space
- Automatic operation by float switches (EA model)

### Application

- Clean water drainage
- Sea water drainage
- Aquarium, fish farm, etc.

### Dimension Drawing



Model	Dimensions(mm)		
	a	b	c
PD-S401EA	390	273	86
PD-S751E(A)	407	290	86

### Technical data

Model	Power Source	Output (W)	Max. Head (m)	Rated Flow Rate (l/min)	Discharge Size (mm, inch)	Weight (kg)	Fluid Temperature (°C)
PD-S401EA	Single phase 220V 50Hz	400	9	150(Ht=5m)	50 (2")	12	-10 ~ +40
PD-S751E(A)		750	12	220(Ht=7m)		14	-5 ~ +40

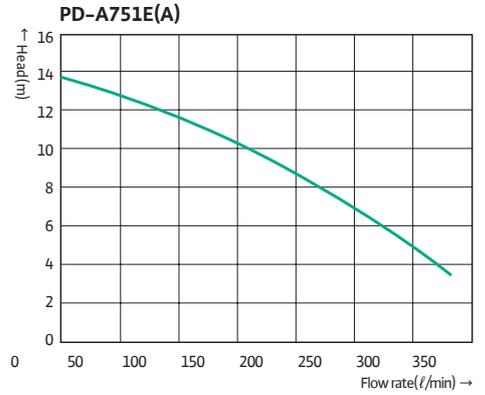
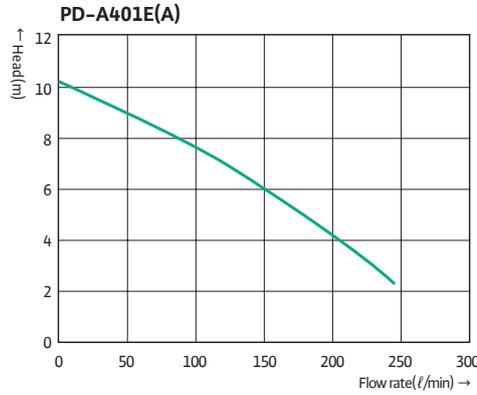
## PD-A Series

Volute Type



PD-A401, A751 Series

### Performance Curve



### Features

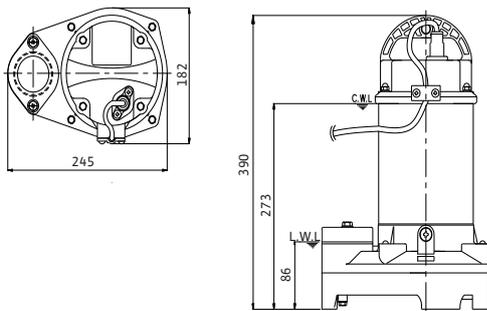
- Corrosion resistant (Al-Anode)
- Leak-proof (double M/seal)
- Float switch (auto operation)
- Rust proof hydraulic material
- Portable using lifting handle
- Automatic operation by float switch (EA series only)

### Application

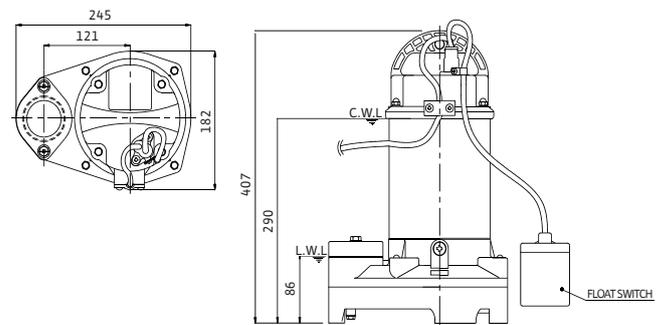
- Fountain, all clean water drainage application

### Dimension Drawing

PD-A401E(A)



PD-A751E(A)



unit : mm

Technical Data							
Model	Power Source	Output (W)	Max. Head (m)	Rated Flow Rate (l/min)	Discharge Size (mm, inch)	Weight (kg)	Fluid Temperature (°C)
PD-A401E(A)	Single phase 220V 50Hz	400	9	150(Ht=5m)	50 (2")	12	-10 ~ +40
PD-A751E(A)		750	12	220(Ht=7m)		14	-5 ~ +40

# Submersible Sewage

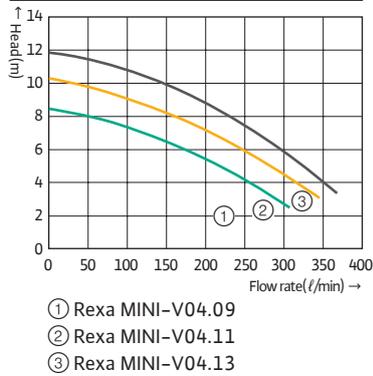
## Wilo-Rexa MINI3 Series

Volute Type



Rexa MINI3

### Performance Curve



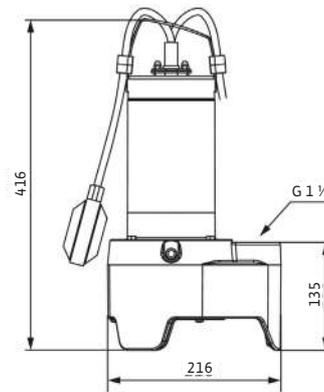
### Features

- Optimized efficiency and high reliability thanks to improved hydraulics
- Easy installation also in narrow pits thanks to compact design, light-weight, integrated capacitor and threaded flange
- Outstanding reliability thanks to cast iron pump housing and corrosion-free impeller for universal applications and diverse fluids
- Long maintenance intervals thanks to oil chamber and rubber molded cable connection
- Fast maintenance thanks to direct access to seal chamber and pump housing

### Application

- Pumping of sewage (not containing faeces)
- Waste water

### Dimension Drawing



unit : mm

### Technical Data

Model	Power Source	Fluid Temperature (°C)	Output (kW)	Max. Head (m)	Max. Flow Rate (l/min)	Discharge Size (mm, inch)	Weight (kg)
Rexa MINI3-V04.09/M05-523/A-5M	Single phase 230V 50Hz	+3 ~ +40	0.5	9	300	40 (1 1/2")	13
Rexa MINI3-V04.09/M05-523/A-10M							14
Rexa MINI3-V04.09/M05-523/P-5M							13
Rexa MINI3-V04.09/M05-523/P-10M							14
Rexa MINI3-V04.09/T05-540/O-5M	Three phase 400V 50Hz		13				
Rexa MINI3-V04.09/T05-540/O-10M			14				
Rexa MINI3-V04.11/M06-523/A-5M	Single phase 230V 50Hz		0.6	11	333		14
Rexa MINI3-V04.11/M06-523/A-10M							15
Rexa MINI3-V04.11/M06-523/P-5M							14
Rexa MINI3-V04.11/M06-523/P-10M							15
Rexa MINI3-V04.11/T06-540/O-5M	Three phase 400V 50Hz		13				
Rexa MINI3-V04.11/T06-540/O-10M			14				
Rexa MINI3-V04.13/M08-523/A-5M	Single phase 230V 50Hz	0.75	13	367	14		

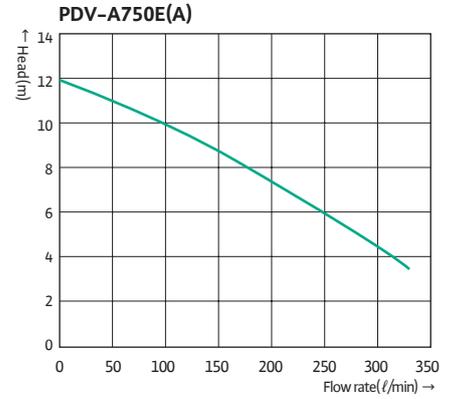
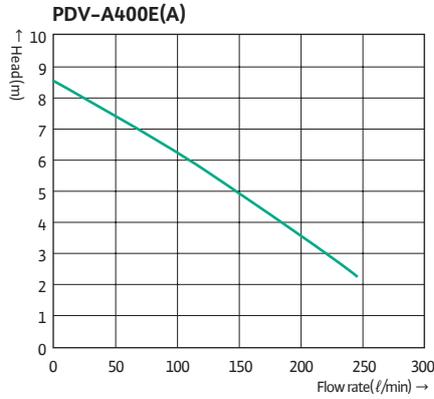
## PDV-A Series

Volute Type



PDV-A400, A750 Series

### Performance Curve



### Features

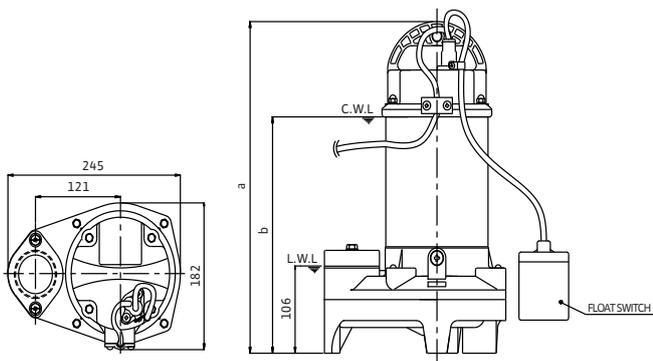
- Stainless steel and engineering plastic materials
- Easy transportation and installation thanks to weight lightening
- Triple sealing design with packing
- Applying double mechanical seal made of silicon carbide and oil seal
- All-in-one design with discharge and casing

### Application

- Drainage and sewage for basement
- Drainage for cattle shed and waste water treatment
- Drainage for agriculture and gardening facility

### Dimension Drawing

#### PDV-A400E(A), A750E(A)



Model	Dimensions(mm)	
	a	b
PDV-A400E(A)	411	293
PDV-A750E(A)	428	310

Technical Data							
Model	Power Source	Output (W)	Total Head (m)	Rated Flow Rate (l/min)	Discharge Size (mm, inch)	Weight (kg)	Fluid Temperature (°C)
PDV-A400E(A)	Single phase 220V 50Hz	400	7	150(Ht=4m)	50 (2")	12	-10 ~ +40
PDV-A750E(A)		750	10	220 (Ht=6m)	50 (2")	15	-5 ~ +40

# Submersible Borehole

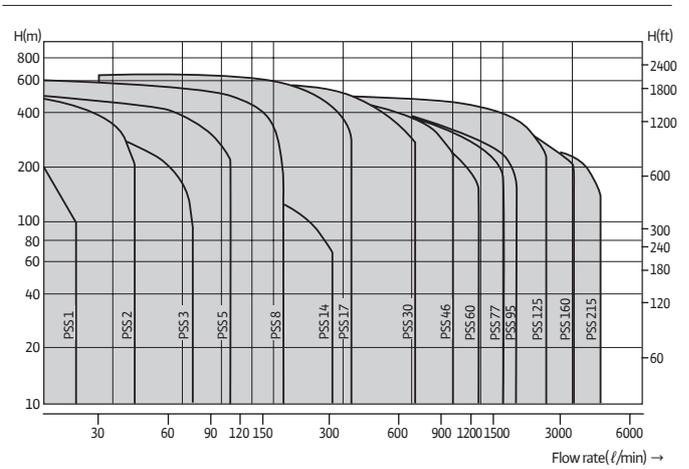
## PSS Series

Stainless Steel Impeller



PSS Series

### Performance Curve



### Features

- Compatibility to various motors
- Durability due to apply all stainless steel
- High performance and efficiency
- Easy maintenance
- Easy replacement of existing pump
- Vertical/horizontal installation available

### Application

- Underground water supply and boosting
- Small scale waterworks, agricultural irrigation and other facilities
- Artificial waterfall, fountain, hot spring water and for other clean water
- Industrial water supply
- Emergency, firefighting and sprinkler use

### Technical Data

Model	Power Source		Rated output		Discharge Size	
	Phase	Voltage	kW	HP	mm	inch
PSS-1 Series	1	220	0.37~1.5	0.5~2	32	1 1/4"
	3	380	0.37~1.5	0.5~2		
PSS-2 Series	1	220	0.37~2.2	0.5~3		
	3	380	0.37~4	0.5~5.5		
PSS-3 Series	1	220	0.37~2.2	0.5~3		
	3	380	0.37~7.5	0.5~10		
PSS-5 Series	1	220	0.37~2.2	0.5~3	40	1 1/2"
	3	380	0.37~7.5	0.5~10		
PSS-8 Series	1	220	0.75~2.2	1~3	50	2"
	3	380	0.75~15	1~20		
PSS-14 Series	1	220	1.5~2.2	2~3		
	3	380	1.5~7.5	2~10		

※ Please contact sales team for specific model selection

## PSB Series

Plastic Impeller



PSB 4" Series

PSB 6" Series

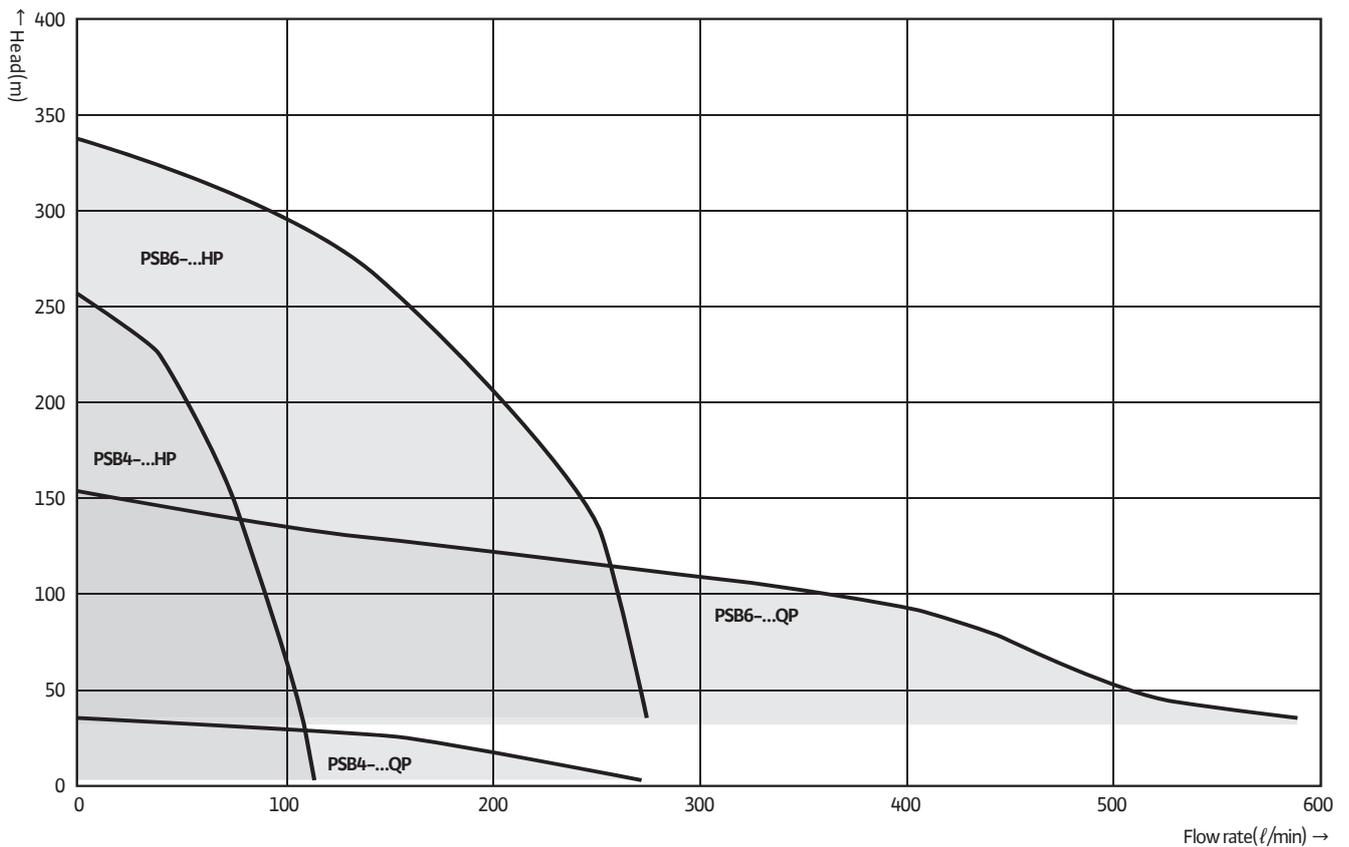
### Features

- Engineering plastic impeller
- High performance and efficiency
- Easy installation and maintenance
- Easy replacement of existing pump

### Application

- Underground water supply and boosting
- Industrial water supply
- Agricultural irrigation and other facilities
- Potable water supply
- Emergency, firefighting and sprinkler use

### Performance Curve



※ Please contact sales team for specific model selection



PU-400E



PU-750E



PU-1500E

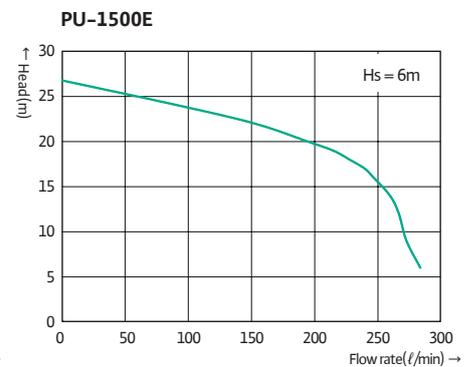
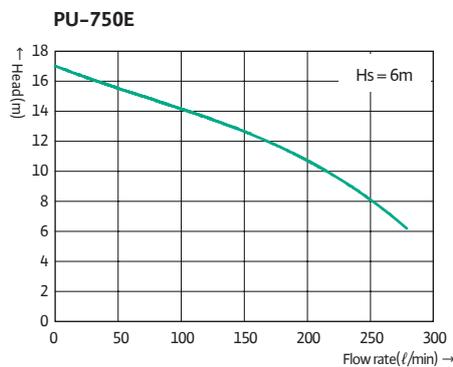
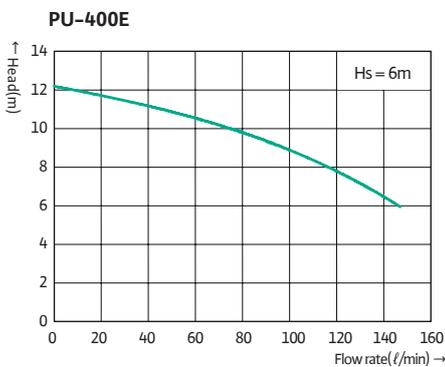
### Features

- Self priming
- High cooling efficiency and protecting motor thanks to enclosed motor

### Application

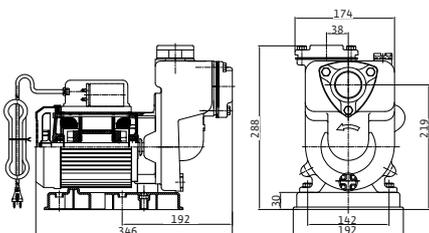
- Agricultural
- Greenhouse, flower garden
- Water transfer for agriculture and industry

### Performance Curve

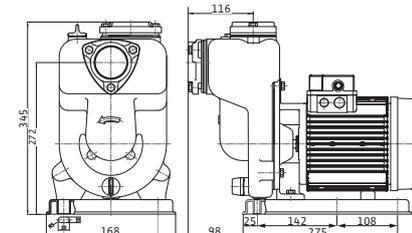


### Dimension Drawing

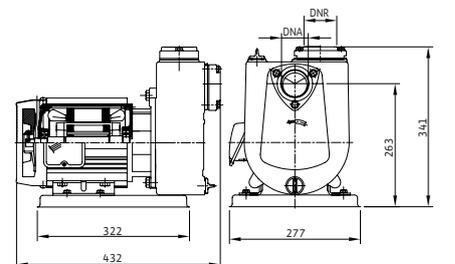
PU-400E



PU-750E



PU-1500E



unit : mm

### Technical Data

Model	Power Source	Output (W)	Max. Head (m)	Max. Suction Head (m)	Rated Flow (l/min)	Max. Inlet Pressure (bar)
PU-400E	Single phase 220V, 50Hz	400	9	6	110(Ht=7m)	1
PU-750E		750	15	6	210(Ht=10m)	1
PU-1500E		1500	21	6	240(Ht=9m)	1

## PU-S Series

Agricultural/Industrial (Seawater)



PU-S400E



PU-S750E

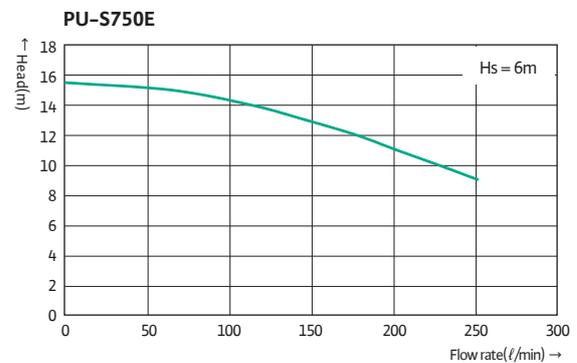
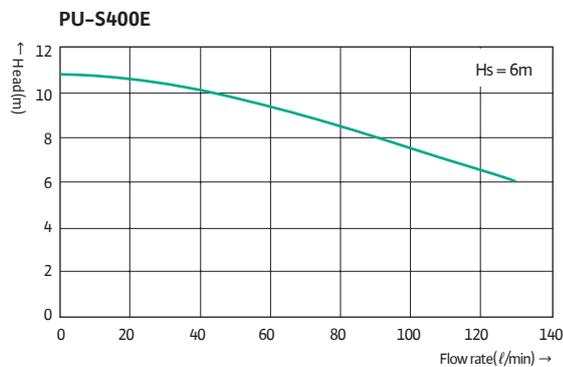
### Features

- Optimized for seawater application
- Lightweight
- Portable by lifting handle (PU-S400E only)
- Corrosion resistance thanks to stainless steel and engineering plastic for all wetted part
- Protecting environment thanks to corrosion resistance

### Application

- Seawater

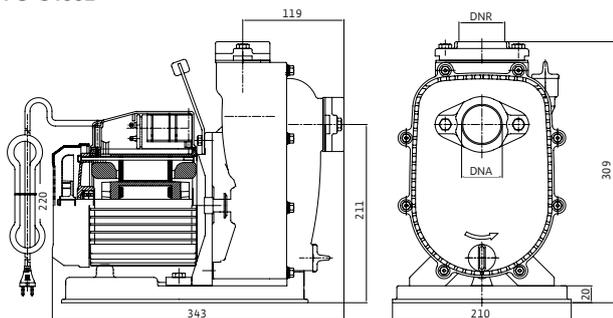
### Performance Curve



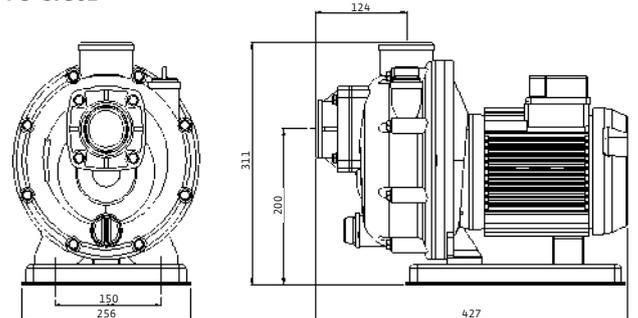
### Dimension Drawing

unit : mm

PU-S400E



PU-S750E



### Technical Data

Model	Power Source	Output (W)	Max. Head (m)	Max. Suction Head (m)	Rated Flow (l/min)	Flange Size (mm, inch)	Max. Inlet Pressure (bar)
PU-S400E	Single phase 220V 50Hz	400	9	6	110(Ht=7m)	40 (1 1/2")	1
PU-S750E		750	15	6	210(Ht=10m)	50 (2")	1

# Deep Well Application

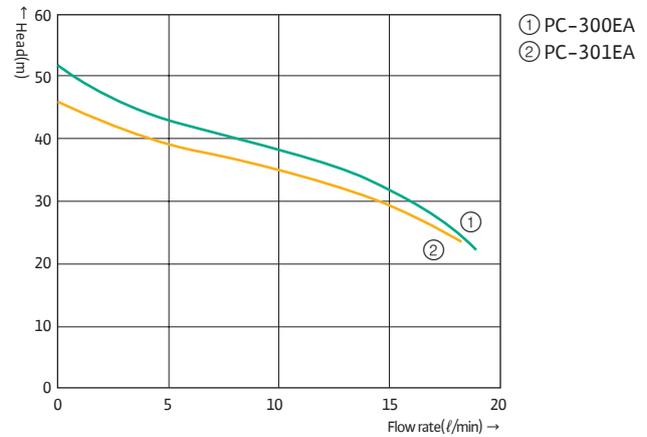
## PC Series

Deep Well



PC-300EA, 301EA

### Performance Curve



### Features

- Self-priming & automatic operation
- Safety design for motor
  - Built with Thermal Protector (T.P)
- Sanitary normal tank coated with anti-rust paint
- No need to install a foot valve at the end of suction pipe

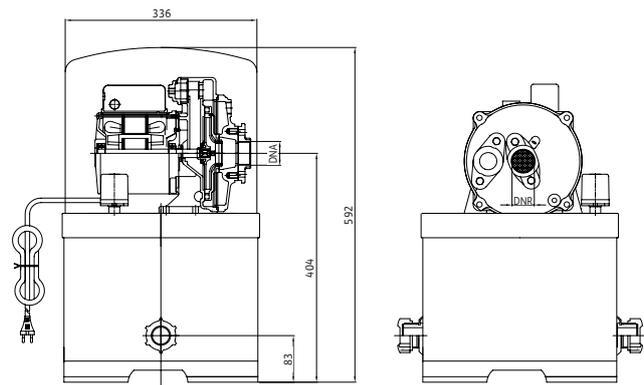
### Application

- Draw water with a jet as deep as 24m from the ground surface
- Water supply for household usage

### Dimension Drawing

PC-300EA,301EA

unit : mm



### Technical Data

Model	Power Source	Output (W)	Max. Head (m)	Max. Suction Head (m)	Rated Flow (l/min)	Flange Size (mm, inch)	Max. working Pressure (bar)
PC-300EA (Double jet included)	Single phase 220V 50Hz	300	45	24	16 (Ht=36m)	32 (1 1/4")	5
PC-301EA (Single jet included)		300	45	18	12 (Ht=30m)	32 (1 1/4")	5



PH-045E, 046E

### Features

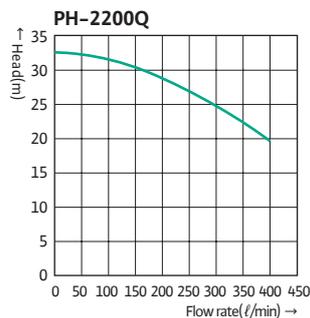
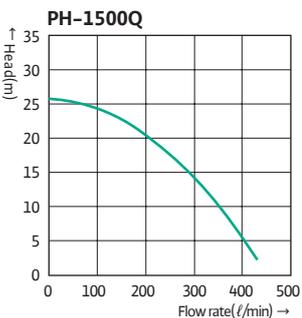
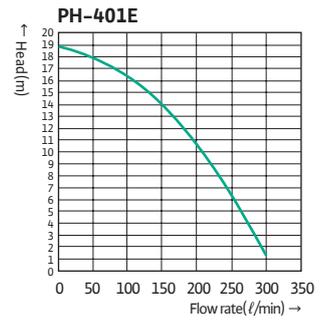
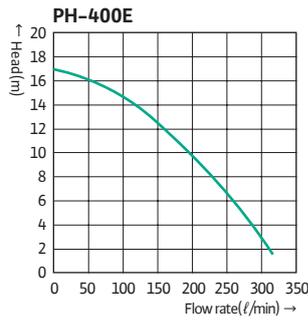
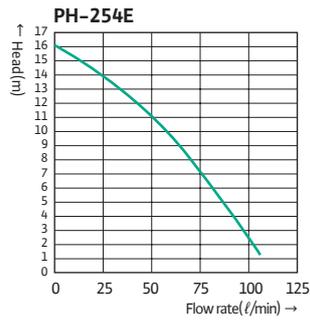
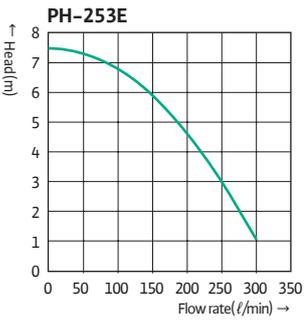
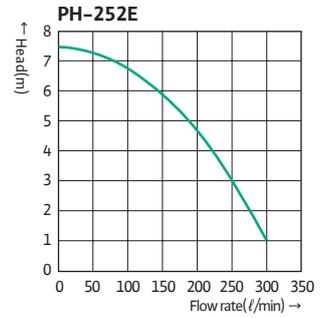
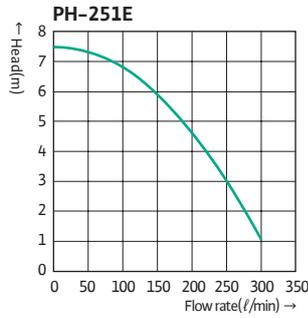
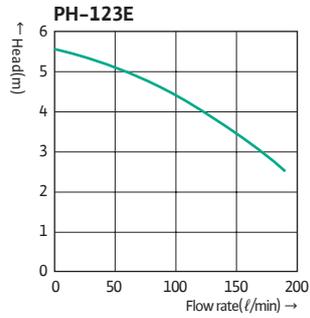
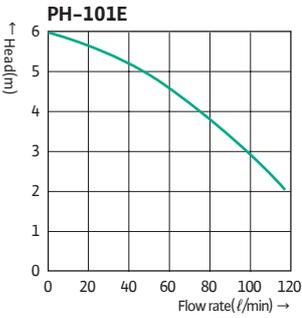
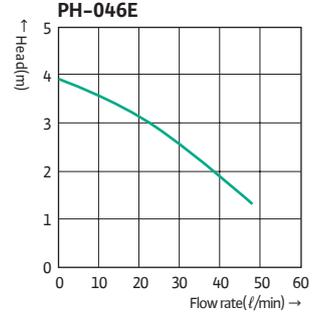
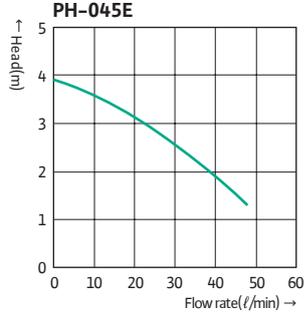
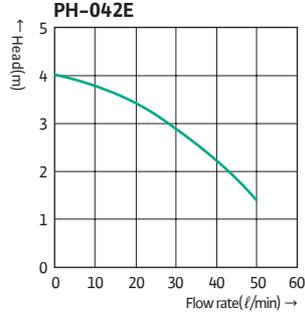
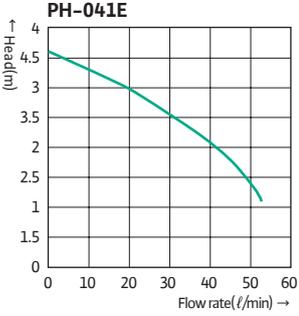
- Long life cycle thanks to low motor temperature
- Aluminum motor frame applied : low weight & compact design

### Application

- Hot water circulation

Technical Data								
Model	Power Source	Output (W)	Max. Head (m)	Rated Flow (ℓ/min)	Max. Inlet Pressure (bar)	Max. Working Pressure (bar)	Flange Size (mm, inch)	
PH-041E (steel plate motor housing)	Single phase 220V 50Hz	40	3.5	35 (Ht=2m)	-	1	25 (1")	
PH-042E (steel plate motor housing)		40	3.5	35 (Ht=2m)	-	1	32 (1 1/4")	
PH-045E (ALDC motor housing)		40	3.5	35 (Ht=2m)	-	1	25 (1")	
PH-046E (ALDC motor housing)		40	3.5	35 (Ht=2m)	-	1	32 (1 1/4")	
PH-101E		100	4.5	85 (Ht=3m)	1	4	40 (1 1/2")	
PH-123E		125	5	150 (Ht=3m)	1	4	50 (2")	
PH-251E		250	7.5	170 (Ht=5m)	1	4	65 (2 1/2")	
PH-252E		250	7.5	170 (Ht=5m)	1	4	80 (3")	
PH-253E		250	7.5	170 (Ht=5m)	1	4	50 (2")	
PH-254E		250	15	60 (Ht=8m)	1	4	40 (1 1/2")	
PH-400E		400	15.5	180 (Ht=10m)	1	4	80 (3")	
PH-401E		400	19	150 (Ht=11m)	1	4	50 (2")	
PH-1500Q		Three phase 380V 50Hz	1500	25	250 (Ht=15m)	1	5	40 (1 1/2")
PH-2200Q			2200	30	300 (Ht=20m)	1	5	40 (1 1/2")

### Performance Curve



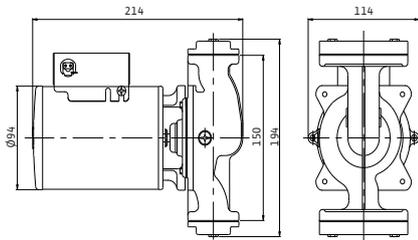
## PH Series

Hot Water Circulation

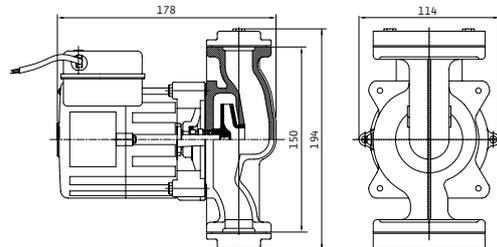
### Dimension Drawing

unit : mm

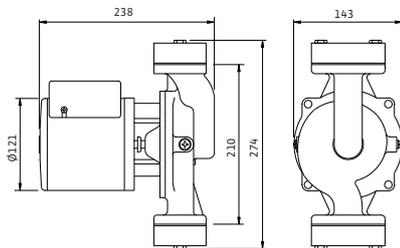
**PH-041E, 042E**



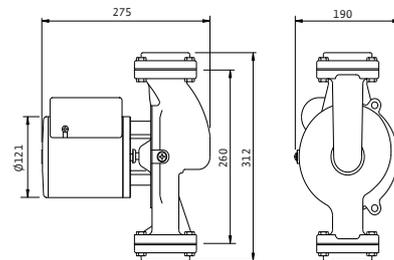
**PH-045E, 046E**



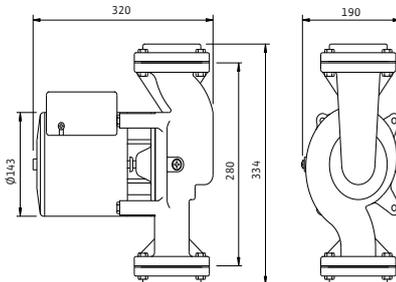
**PH-101E**



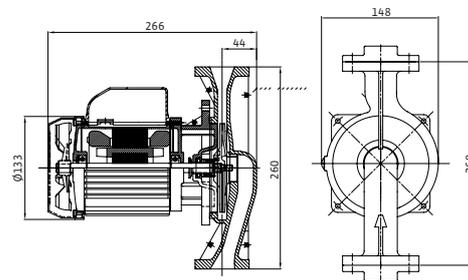
**PH-123E**



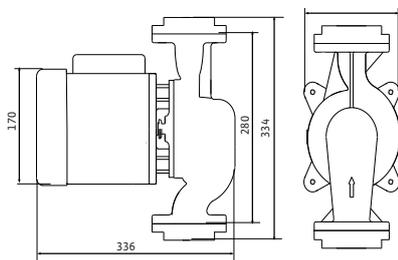
**PH-251E, 252E, 253E**



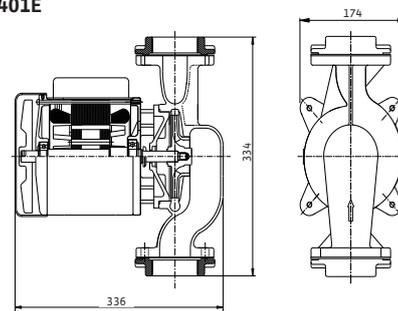
**PH-254E**



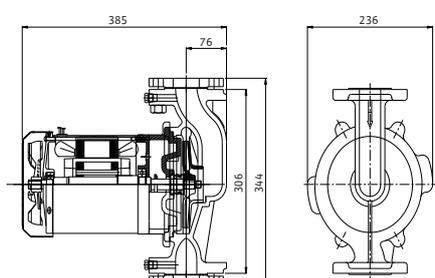
**PH-400E**



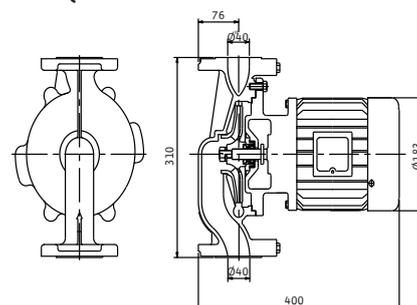
**PH-401E**



**PH-1500Q**



**PH-2200Q**



# Chemical Application

## PM Series

Small/Medium Size Magnet Pump



PM Series (small size)



PM Series (medium size)

### Application

#### Wetted Part in Noryl

→ PM-051NE

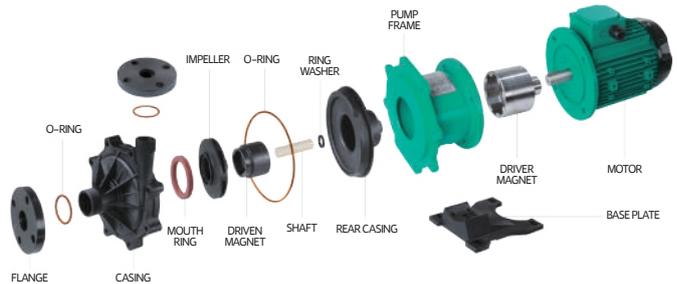
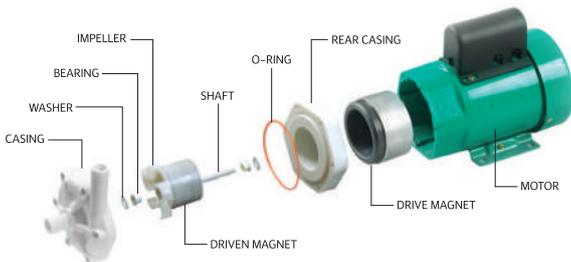
- Hot water circulation
- Hot water supplying for solar system or heat tank
- General water circulation

#### Wetted Part in PP (PolyPropylene) Product

→ PM-030PE, 052PE, 150PE, 250PES/PEH, 300PES/PEH, PM-403PG, 753PG, 1503PG, 2203PG, 3703PG

- Corrosive chemical solutions, acids and alkalis
- Photograph developing solutions, fixers, bleaching solutions and inks
- Etching apparatus for electronic parts, and photochemical processes
- Dyeing equipment and waste liquid treating units

### Features



#### • Anti-leakage

Driven by magnet (without any seal).

#### • Chemical Resistance and Reliability

Highly chemical resistant polypropylene, fluor rubber and ceramics are standard materials for wetted parts. This offers a wide range of pump applications.

#### • High Efficiency with Compact Size

Logically designed to compact sizes to offer exceptionally high efficiency. Ideally suited for building into various kinds of apparatus and machinery.

#### • Pumping Hot Water (PM-051NE)

Designed to deliver hot water up to 90°C thanks to noryl plastic parts.

#### • Easy Maintenance

Simple design coupled with the absence of any sealing parts for easy maintenance and inspection.

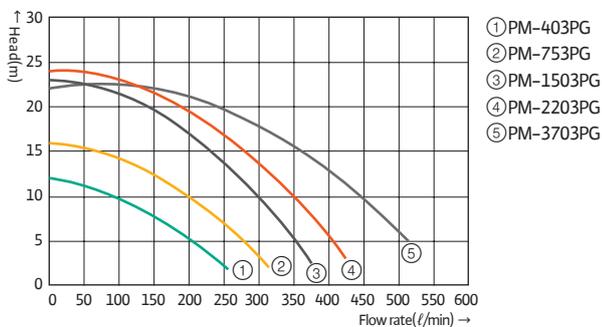
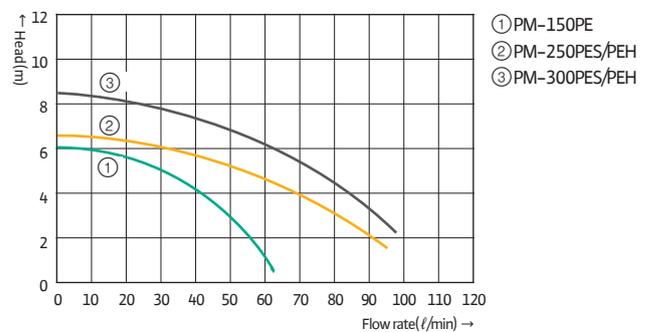
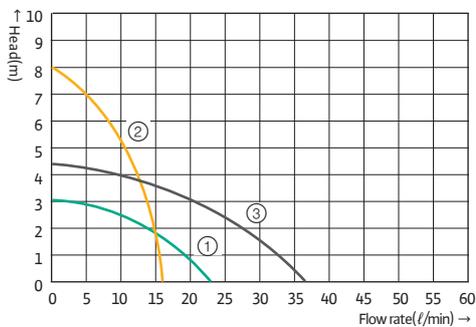
## PM Series

Small/Medium Size Magnet Pump

Technical Data									
	Model	Power source	Output (W)	Max. Head (m)	Max. Flow (ℓ/min)	Rated flow (ℓ/min)	Connection Size (mm, inch)	Max. Fluid Temperature (°C)	Main material
Small size	PM-030PE	Single phase 220V 50Hz	30	2.5	22	15 (Ht=1.5m)	17 Hose	60	P.P
	PM-051NE		50	8	15	11 (Ht=4m)	19 Hose	90	NORYL
	PM-052PE		50	4	35	25 (Ht=2.5m)	20 Hose	60	P.P
	PM-150PE		150	5.5	60	30 (Ht=4m)	20 Hose		
	PM-250PES		250	6	90	50 (Ht=4m)	25 (1") Screw		
	PM-250PEH		250	6	90	50 (Ht=4m)	26 Hose		
	PM-300PES		300	7.5	95	65 (Ht=4m)	25 (1") Screw		
	PM-300PEH		300	7.5	95	65 (Ht=4m)	26 Hose		
Medium size	PM-403PG	Three phase 220/380V 50Hz	370	11	250	150 (Ht=7m)	40 (1 1/2") Flange	60	P.P
	PM-753PG		750	16	300	180 (Ht=10m)			
	PM-1503PG		1500	22	370	250 (Ht=15m)	50 (2") Suction Flange 40 (1 1/2") Discharge Flange		
	PM-2203PG		2200	23	420	250 (Ht=18m)			
	PM-3703PG		3700	24	550	300 (Ht=20m)			

※ Note : performances above are driven by the terms of clean water and room temperature. Therefore, performances could be changed by conditions such as environmental temperature, fluid viscosity and specific gravity.

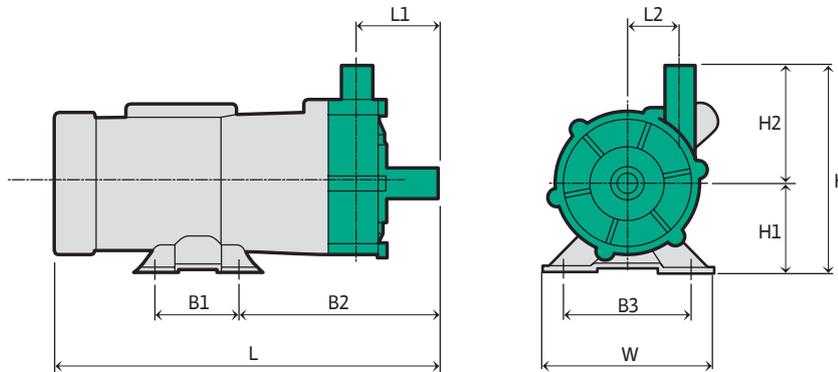
## Performance Curve



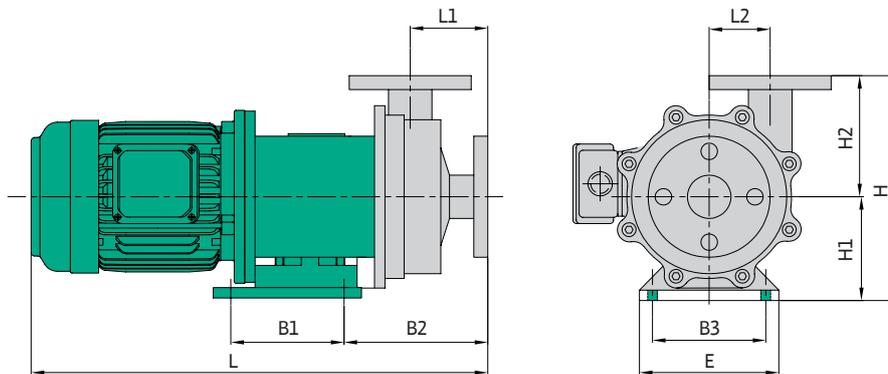
# Chemical Application

## PM Series

Small/Medium Size Magnet Pump



Model	Dimension (mm)										Weight (kg)
	H	H1	H2	L	L1	L2	B1	B2	B3	W	
PM-030PE	118	55	63	202	38	25	44	105	74	106	2.2
PM-051NE	153	62	95	245	40	44	44	118	94	106	3.5
PM-052PE	130	60	70	255	48	31	40	149	100	120	3.5
PM-150PE	153	68	85	273	48	50	70	143	86	112	6.8
PM-250PES/PEH	166	71	95	373	73	47	90	219	99	144	10
PM-300PES/PEH	171	71	100	363	65	44	90	211	99	144	11



Model	Dimension(mm)										Weight (kg)
	H	H1	H2	L	L1	L2	B1	B2	B3	W	
PM-403PG	235	110	125	470	86	52	98	140	110	140	20.0
PM-753PG	255	115	140	525	90	66	130	165	130	160	30.5
PM-1503PG	275	115	160	620	100	66	200	165	210	260	40.0
PM-2203PG	275	115	160	620	100	66	200	165	210	260	42.5
PM-3703PG	315	165	150	685	100	66	90	180	200	240	68.5

## PM-STS Series

Stainless Steel Magnet Pump



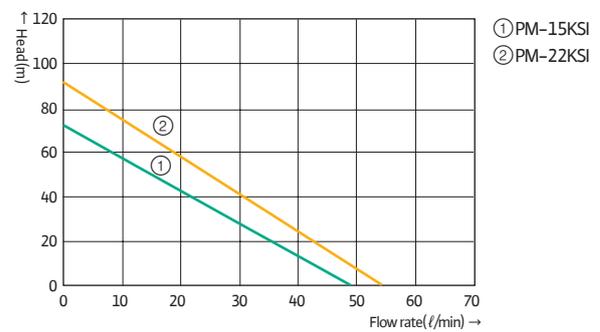
### Application

- General industrial applications
- Cold & hot water circulation
- Major components for machineries
- Chemical transportation
- Chiller or semi-conductor/LCD manufacturing process

### Features

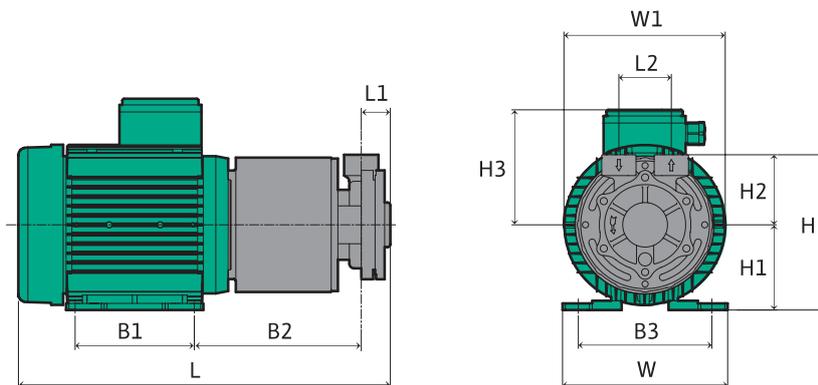
- Excellence on durability and chemical-resistance
- High-performance & efficiency with compact size and high-efficient motor
- Strong heat-resistance
- Easy maintenance

### Performance Curve



Technical Data							
Model	Power Source	Output (W)	Max. Head (m)	Max. Flow Rate (ℓ/min)	Connection Size (mm, inch)	Max. Fluid Temperature (°C)	Main Material
PM-15KSI	Three phase 220/380V 50Hz/60Hz	1500	80	60	20mm, NPT 3/4"	130	STS316
PM-22KSI		2200	100	65	20mm, NPT 3/4"		

※ Note : performances, above, are driven by the terms of clean water and room temperature. Therefore, performances could be changeable by condition such as environmental temperature, fluid viscosity and specific gravity.



Model	Dimension (mm)												Weight (kg)
	H	H1	H2	H3	L	L1	L2	W	W1	B1	B2	B3	
PM-15KSI	164	90	74	121.5	390	30.5	55	170	170	125	175	140	24.5
PM-22KSI	166.5	92.5	74	128.6	432.6	30.5	55	159.5	178.6	85	208	140	26

# ALL-ROUNDER FOR THE HOME.

Wilo offers tailored products and systems that make life easier and more comfortable in a variety of ways. As a full-line provider for hot and cold water applications, Wilo is perfectly equipped to meet diverse customer requirements – with solutions that ensure maximum reliability, flexibility and connectivity.

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