

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



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

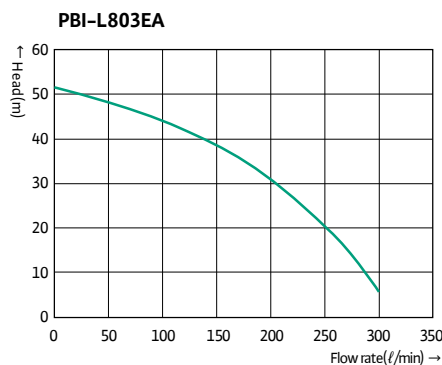
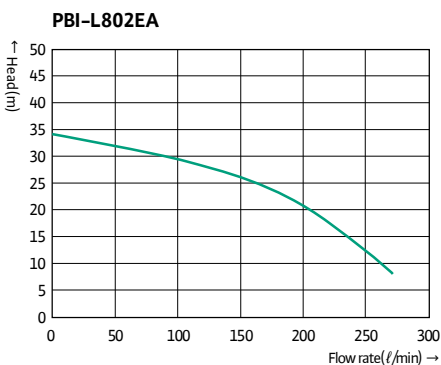
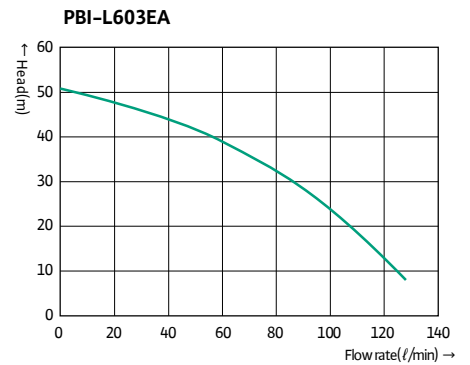
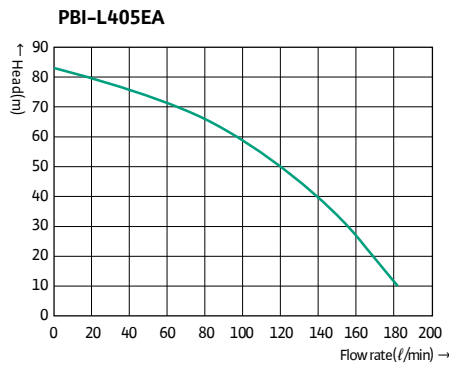
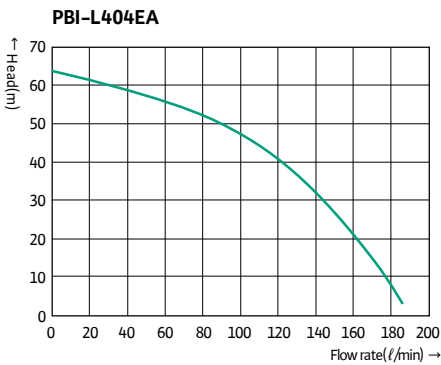
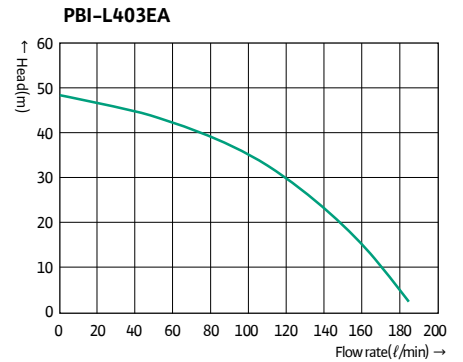
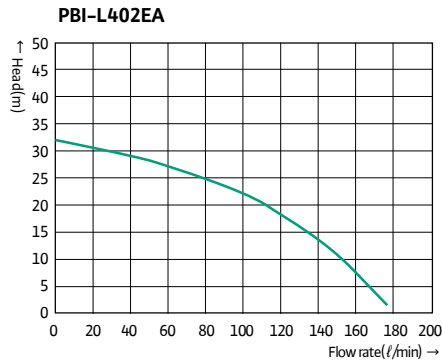
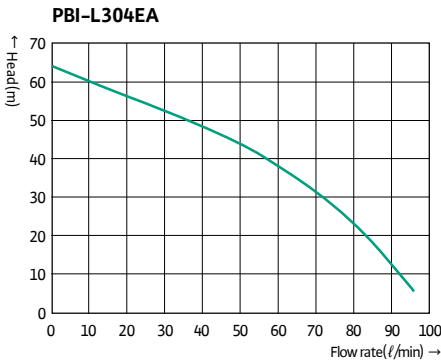
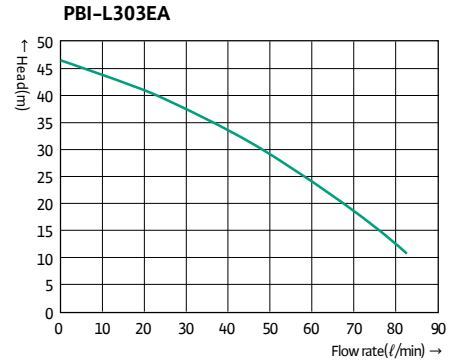
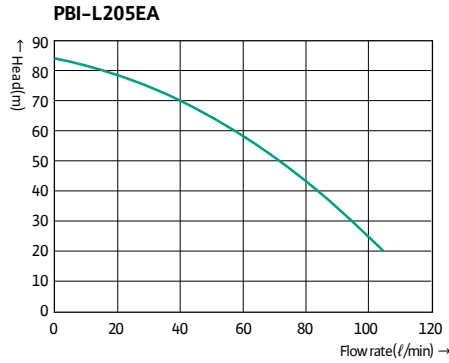
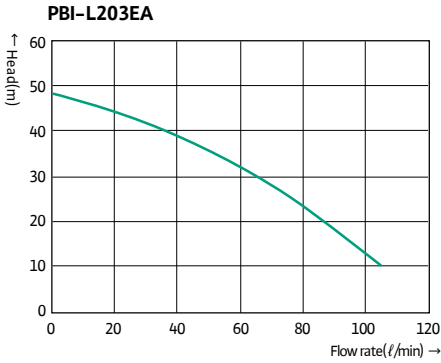
Application

- 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

Performance Curve

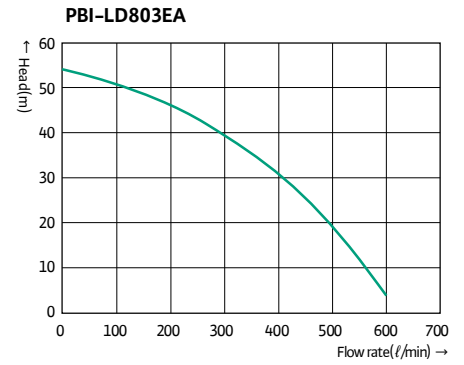
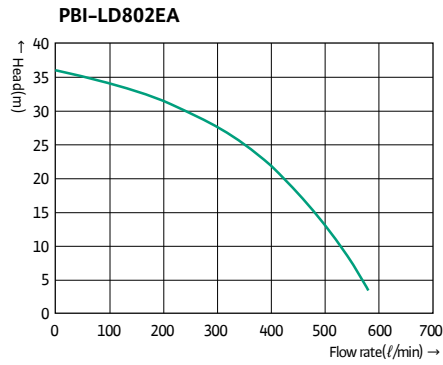
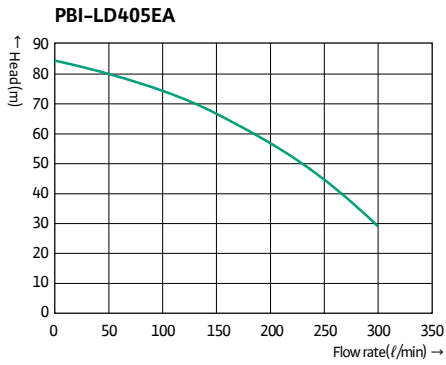
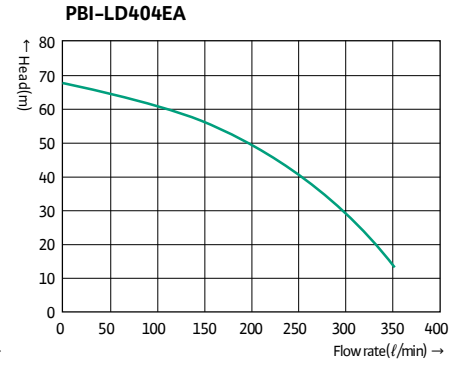
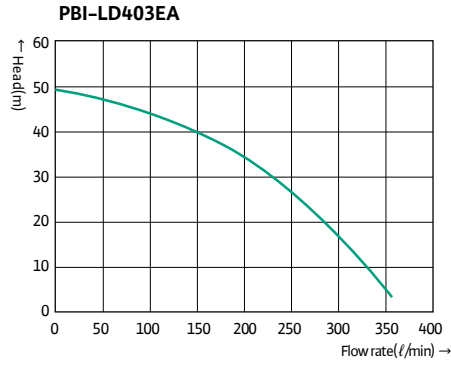
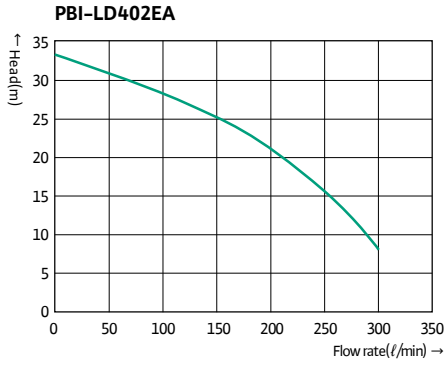


Pressure Boosting (Inverter Control)

PBI(-L,-LD) Series

Pressure Boosting (Inverter Control)

Performance Curve

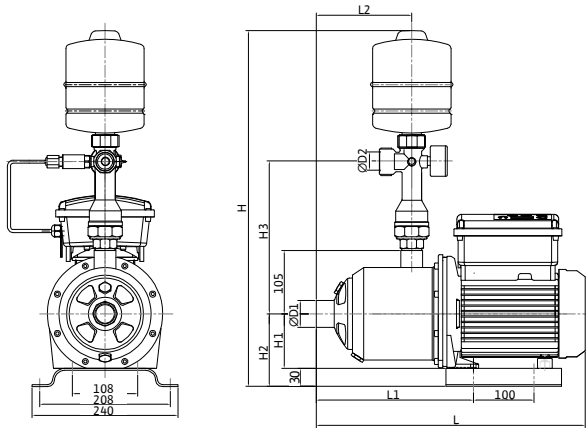


PBI(-L,-LD) Series

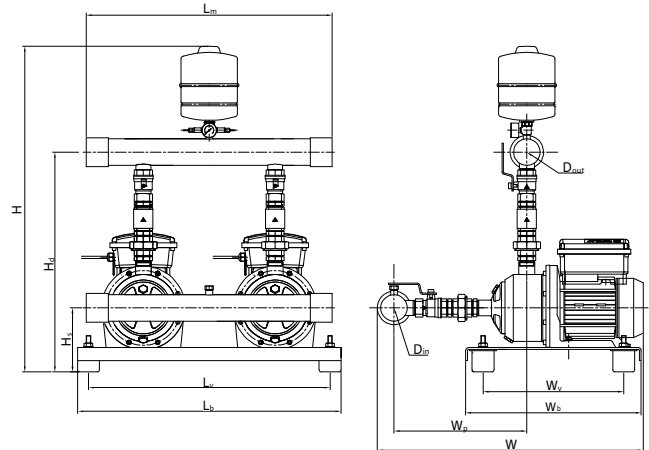
Pressure Boosting (Inverter Control)

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 _s	H _d	L _m	L _v	L _d	W	W _p	W _v	W _b	D _{in}	D _{out}
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 ²)	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