Pioneering for You

Product Catalogue

Household Products

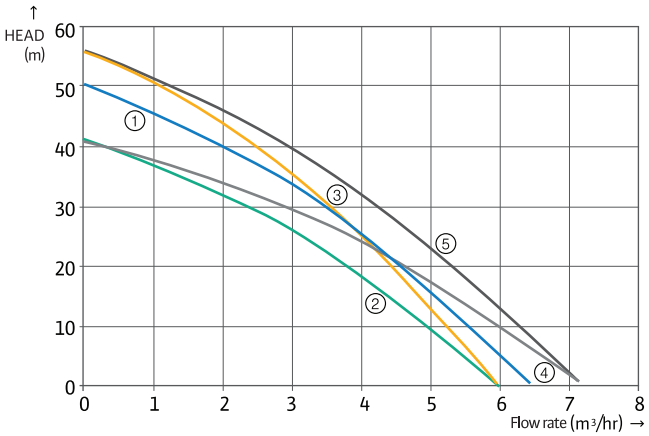
Pressure Boosting Pump · Multi Stage Pump · Submersible Drainage Pump · Submersible Sewage Pump · Submersible Borehole Pump · Multi Purpose Pump · Sea Water Pump · Agricultural/Industrial Pump · Deep Well Pump · Hot Water Circulation Pump · Chemical Pump

Household Products Catalogue

Contents

Wilo-HiMulti 5

Performance curve



① HiMulti 5-45 iPQ
② HiMulti 5-23 APQ
③ HiMulti 5-24 APQ
④ HiMulti 5-43 APQ
⑤ HiMulti 5-44 APQ

Application

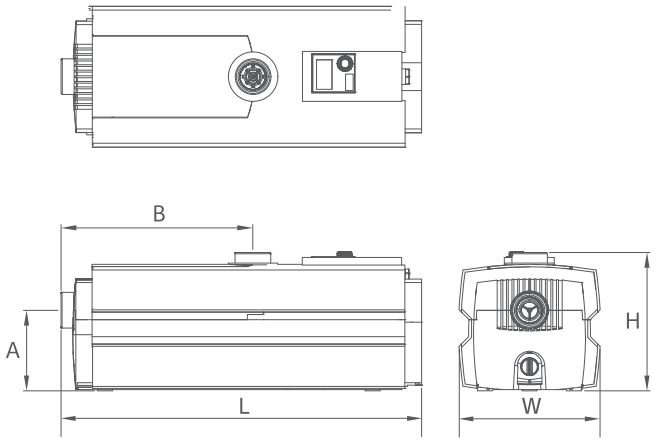
- Water supply and boosting for housing, accommodation and restaurant

Features

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

Dimension drawing

[mm]



Model	H	W	L	A	B
HiMulti 5-45 iPQ	222	228	584	131	311
HiMulti 5-23 APQ	222	228	506	131	233
HiMulti 5-24 APQ	222	228	584	131	311
HiMulti 5-43 APQ	222	228	506	131	233
HiMulti 5-44 APQ	222	228	584	131	311

Model name

Wilo-HiMulti 5-2 3 A PQ
① ② ③ ④

① 2	Flow rate (2 or 4)
② 3	Number of impeller stage
③ A	A : Automatic, I : Inverter
④ PQ	P : Self priming, Q : Quiet

Technical data

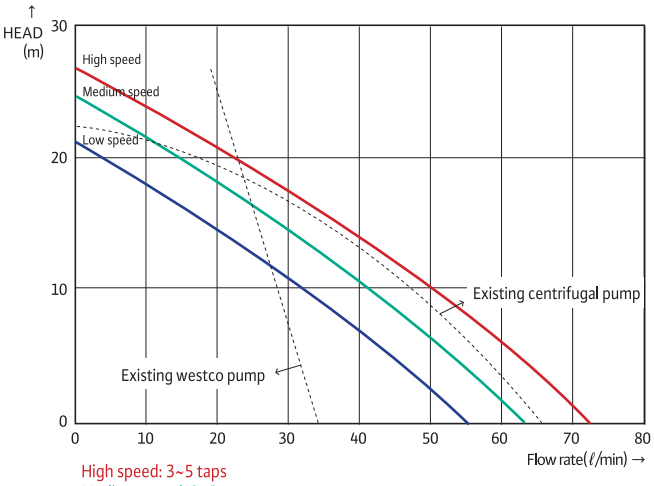
Model	Power source	Output(W)	Max. head(m)	Flow rate(m^3/hr)	Diameter(mm, inch)
HiMulti 5-45 iPQ	Single phase 220V 60Hz	750	50	6.6	32(1 1/4")
HiMulti 5-23 APQ		600	40	6	
HiMulti 5-24 APQ		750	55		
HiMulti 5-43 APQ		750	40	7.2	
HiMulti 5-44 APQ		900	55		

Pressure Boosting (automatic control)

PE-400MA

Pressure Boosting(automatic control)

Performance curve



High speed: 3~5 taps
Medium speed: 2~3 taps
Low speed: 1~2 taps

Features

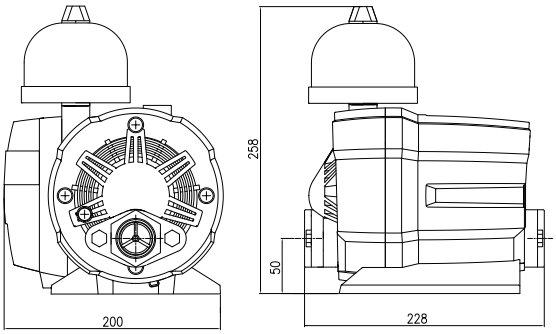
- Energy saving up to 20% due to automatic control
- Excellent automatic pressure control system
- Corrosion resistance and weight lightening due to new material
- Low noise level(>40dB)
- Various protection and alarming functions
- User friendly interface and status displaying due to LED screen

Application

- Water supply and boosting for housing

Dimension drawing

[mm]



Protection functions

Function	Description	PE-400MA	Existing centrifugal pump	Existing westco pump
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	-	-
Water proof	Protection control part from water	Waterproof(Protection class: IPX6)	IPX4	IPX4

Technical data

Model	Power Source	Output (W)	Max. Head(m)	Flow rate (ℓ/min)	Diameter (mm, inch)
PE-400MA	Single phase 220V 60Hz	350	26	50(Ht=10m)	25(1″)

PB-410SMA, 601SMA, C410SMA, C601SMA

Pressure Boosting(upward)

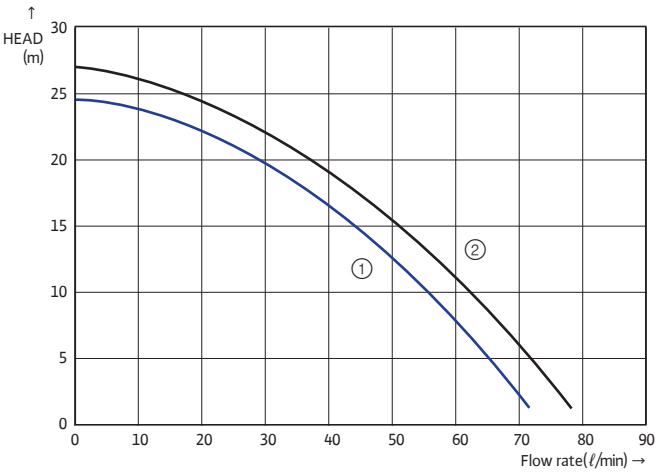
PB-410SMA

PB-C410SMA

PB-601SMA

PB-C601SMA

Performance curve



①PB-410SMA, C410SMA ②PB-601SMA , C601SMA

Features

- Upward boosting pump with flow sensor
- Constant pressure level
- Max. fluid temperature: 60°C
- Low noise level due to centrifugal impeller
- Max. suction head: 3m

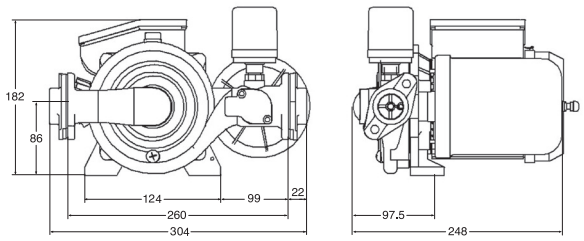
※ Max. 3m suction head is possible with a foot valve
※ PB-C410SMA,-C601SMA: for potable water

Application

- Water supply and boosting for housing and solar heating system

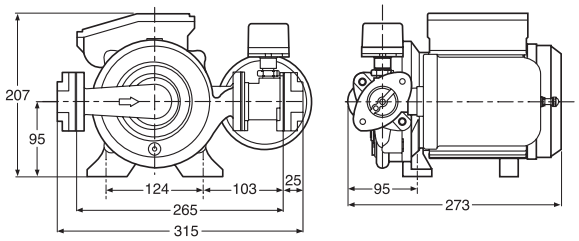
Dimension drawing

PB-410SMA, C410SMA



PB-601SMA, C601SMA

[mm]

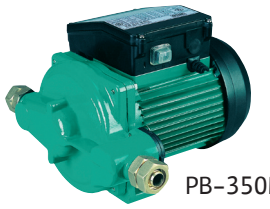


Technical data

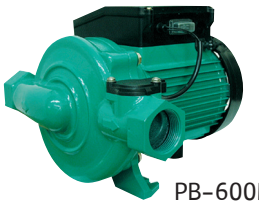
Model	Power Source	Output(W)	Max. Head(m)	Discharge head(m)	Flow rate(ℓ/min)	Diameter(mm, inch)
PB-410SMA, C410SMA	Single phase 220V 60Hz	400	25	15	50(Ht=12m)	25(1″)
PB-601SMA, C601SMA		600	28	18	60(Ht=12m)	32(1 1/4″)

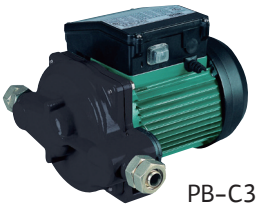
Pressure Boosting(downward)

PB-350MA, 351MA, 600MA, C350MA, C600MA


PB-350MA

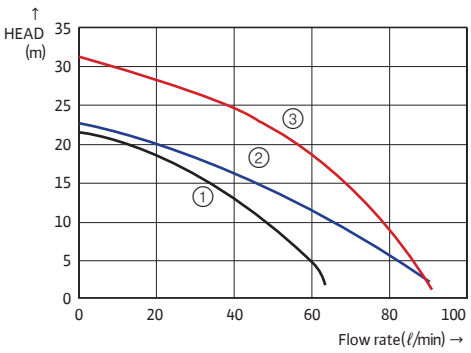

PB-351MA


PB-600MA


PB-C350MA


PB-C600MA

Performance curve



① PB-350MA, C350MA
② PB-351MA
③ PB-600MA. C600MA

Features

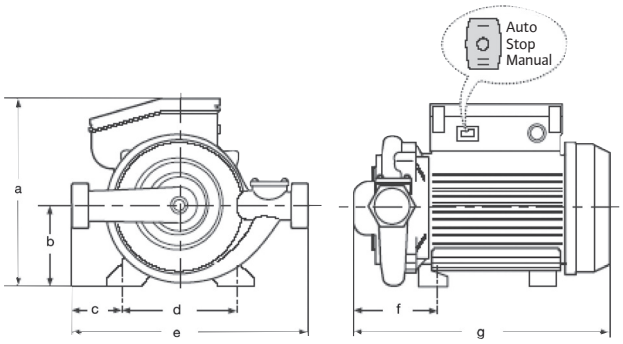
- Max. fluid temperature: 80°C
- Low noise level due to centrifugal impeller
- Constant pressure level due to flow switch
- Totally enclosed motor certificated by Europe CE mark

※ PB-C350MA, -C600MA: for potable water

Application

- Boosting for housing and apartment with the roof top water tank (low water pressure area)

Dimension drawing



[mm]

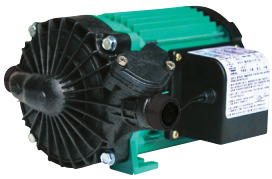
Model	a	b	c	d	e	f	g
PB-350MA, C350MA	176	74	45	91	220	85	235
PB-351MA	176	74	57	91	240	87	237
PB-600MA, C600MA	207	95	63	124	270	105	275

Technical data

Model	Power Source	Output (W)	Max. Head (m)	Flow rate (ℓ/min)	Diameter (mm, inch)
PB-350MA, C350MA	Single phase 220V 60Hz	350	21	65(Ht=0.5m)	15(1/2") or 20(3/4")
PB-351MA		350	21	80(Ht=0.5m)	25(1")
PB-600MA, C600MA		600	28	80(Ht=0.5m)	32(1 1/4")

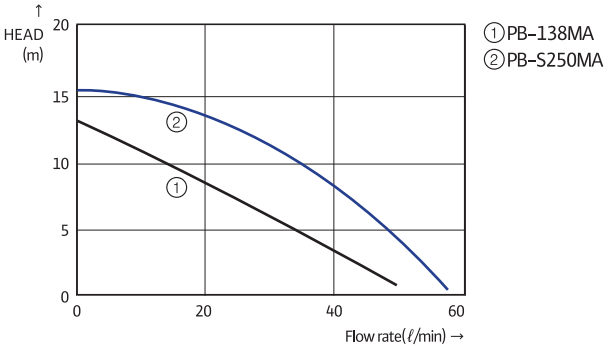
PB-138MA, S250MA

PB-138MA



PB-S250MA

Performance curve



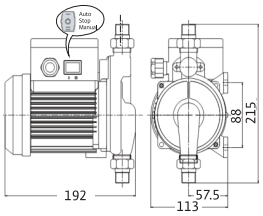
Features

- Max. fluid temperature: 80°C
- Low noise level due to centrifugal impeller
- Constant pressure level due to flow switch
- Totally enclosed motor certificated by Europe CE mark
- Corrosion resistance due to apply engineering plastic for wet part(PB-S250MA)

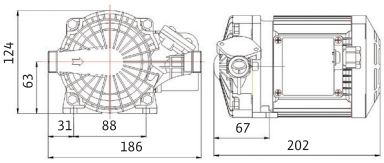
※ PB-S250MA: for potable water

Dimension drawing

PB-138MA [mm]



PB-S250MA [mm]



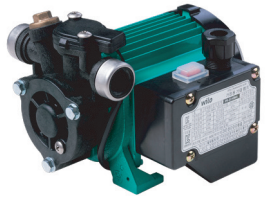
Application

- Boosting for housing and apartment with the roof top water tank (low water pressure area)

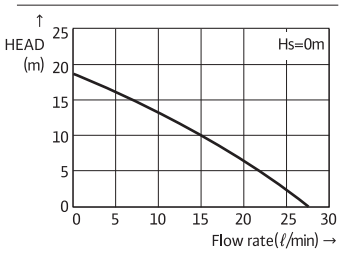
Technical data

Model	Power Source	Output (W)	Max. Head (m)	Flow rate (ℓ/min)	Diameter (mm, inch)
PB-138MA	Single phase 220V 60Hz	135	12	40(Ht=0.5m)	15(1/2″) or 20(3/4″)
PB-S250MA		250	15	55(Ht=0.5m)	20(3/4″)

PB-S140MA



Performance curve



Features

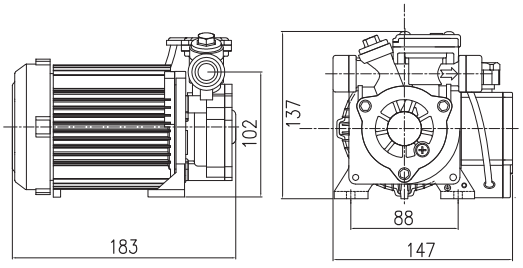
- Capable to overcome flow rate decrease(due to pipe resistance) with high head
- Corrosion resistance for wet part

Application

- Water supply and boosting for housing, accommodation and restaurant
- Component part of machine

Dimension drawing

[mm]



Technical data

Model	Power Source	Output (w)	Max. Head (m)	Max. Flow rate (ℓ/min)	Discharge Dia. (mm, inch)
PB-S140MA	Single phase 220V 60Hz	135	17	25	15(1/2″)

Pressure Boosting (inverter control)

MHiKE(-D, W, T) / PBI-L, D / HSSI Series

Pressure Boosting(inverter control)

MHiKE Series

MHiKE-406/804UA

PBI-L991MA

MHiKE-D Series

MHiKE-W/T Series

PBI-L Series

HSSI Series

Features

- Energy saving due to inverter control system
- Various operation mode(rpm, pressure)
- Various pump protection functions
- User friendly interface and status displaying due to display screen
- Durability and corrosion resistance due to apply stainless steel and engineering plastic
- Max. fluid temperature: 80°C (MHiKE-2, 4, 8 Series)
- Max. fluid temperature: 35°C (PBI-L3,6 Series, L991MA)

Application

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

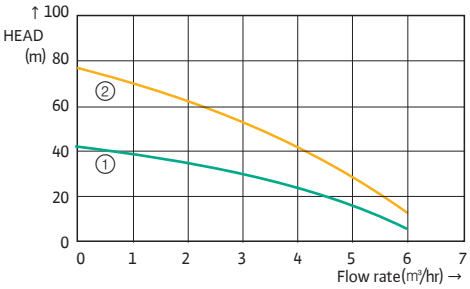
Control and protection function

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

MHiKE(-D, W, T) / PBI-L, D / HSSI Series

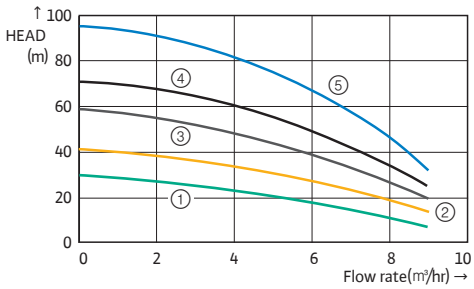
Performance curve

MHiKE-2 / PBI-L2 Series



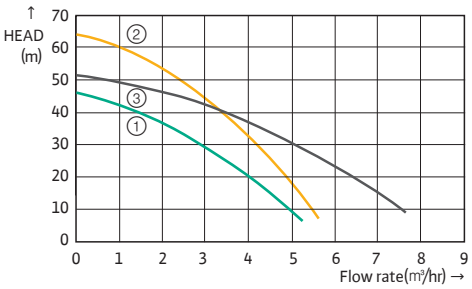
①MHiKE-203MA/PBI-L203MA
②MHiKE-205MA/PBI-L205MA

MHiKE-4 / PBI-L4 Series



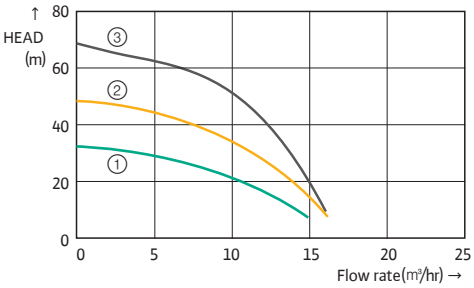
①MHiKE-402MA/PBI-L402MA
②MHiKE-403MA/PBI-L403MA
③MHiKE-404MA/PBI-L404MA
④MHiKE-405MA/PBI-L405MA
⑤MHiKE-406UA

PBI-L3,6 Series



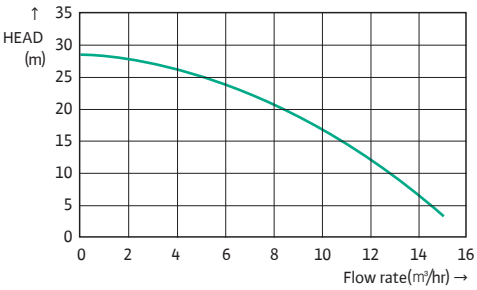
①PBI-L303MA ②PBI-L304MA
③PBI-L603MA
*Hs=0.5m

MHiKE-8 / PBI-L8 Series



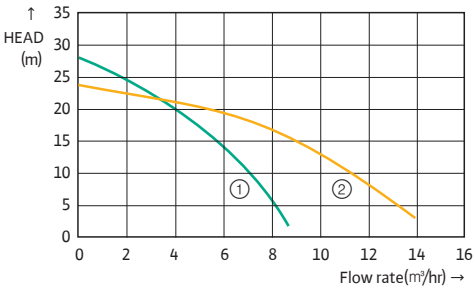
①MHiKE-802MA/PBI-L802MA
②MHiKE-803MA/PBI-L803MA
③MHiKE-804UA

PBI-L991MA



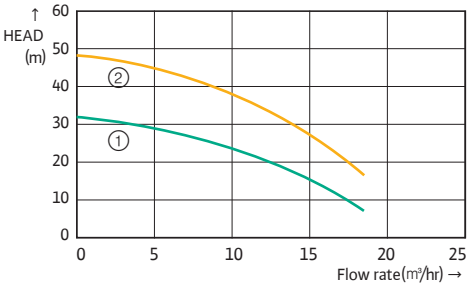
*Hs=0.5m

HSSI Series



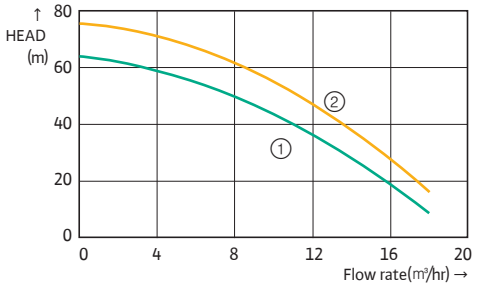
①HSSI-1100MA ②HSSI-1500MA

PBI-LD402/403MA



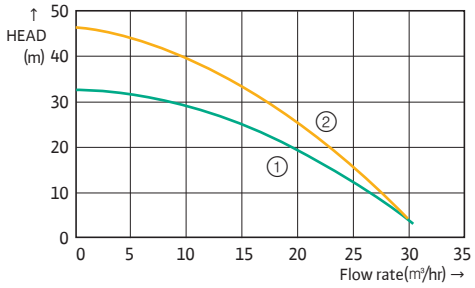
①PBI-LD402MA ②PBI-LD403MA

MHiKE-D404,405MA / PBI-LD404,405MA



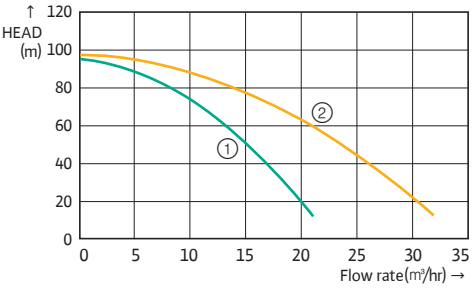
①MHiKE-D404MA/PBI-LD404MA
②MHiKE-D405MA/PBI-LD405MA

MHiKE-D802,803MA / PBI-LD802,803MA



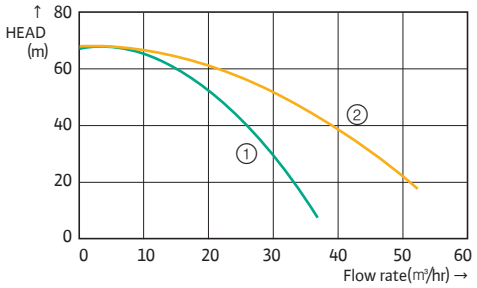
①MHiKE-D802MA/PBI-LD802MA
②MHiKE-D803MA/PBI-LD803MA

MHiKE-W/T406UA



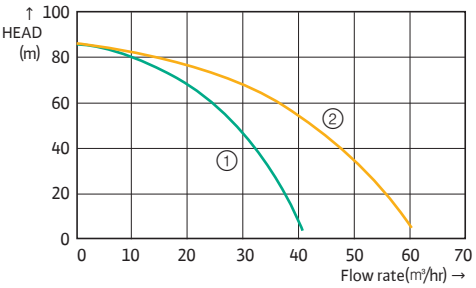
①MHiKE-W406UA ②MHiKE-T406UA

MHiKE-W/T804UA



①MHiKE-W804UA ②MHiKE-T804UA

MHiKE-W/T805UA

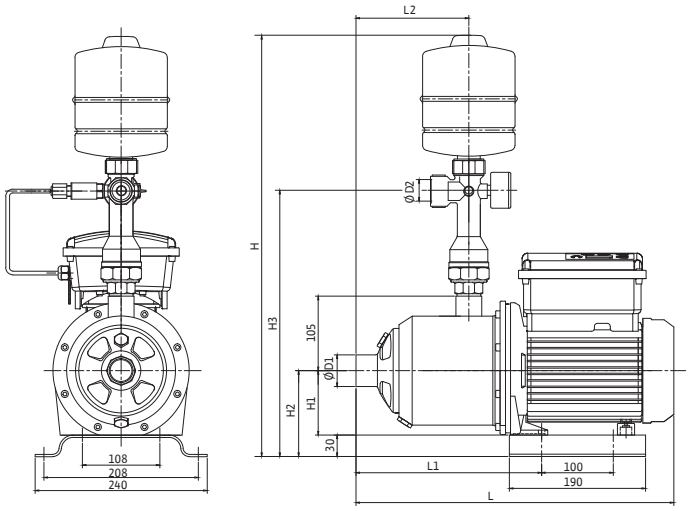


①MHiKE-W805UA ②MHiKE-T805UA

MHiKE(-D, W, T) / PBI-L, D / HSSI Series

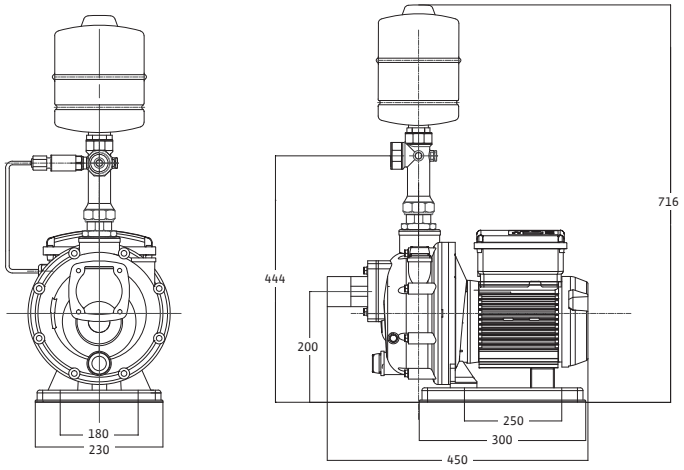
Dimension drawing

MHiKE / PBI-L / HSSI Series

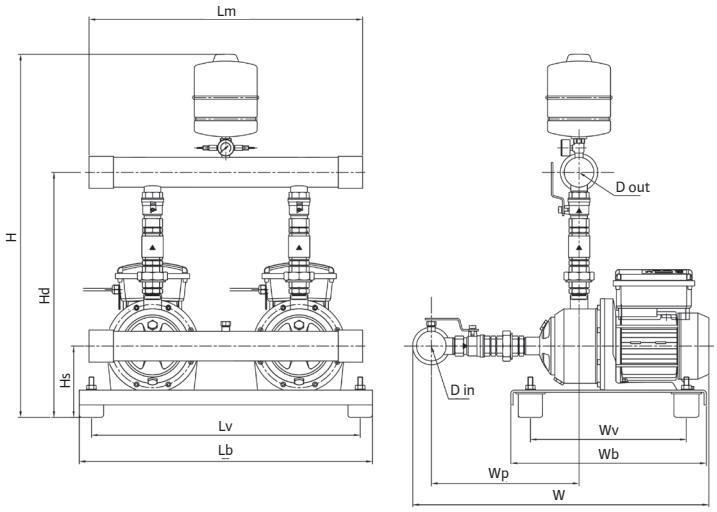


Model	Dimensions(mm)									
	H	H_1	H_2	H_3	H_4	L	L_1	L_2	D_1	D_2
MHiKE-203MA /PBI-L203MA	580	90	120	380	105	360	185	109.5	25	25
PBI-L303MA	580	90	120	380	105	425	235	157.5	25	25
MHiKE-402MA /PBI-L402MA	580	90	120	380	105	360	185	109.5	32	25
MHiKE-205MA /PBI-L205MA	580	90	120	380	105	425	235	157.5	25	25
PBI-L304MA	580	90	120	380	105	425	235	157.5	25	25
MHiKE-403MA /PBI-L403MA	580	90	120	380	105	380	185	109.5	32	25
PBI-L603MA	580	90	120	380	105	425	235	157.5	32	25
MHiKE-404MA /PBI-L404MA	580	90	120	380	105	425	225	157.5	32	25
MHiKE-802MA /PBI-L802MA	580	90	120	385	110	390	180	121.5	40	32
MHiKE-405MA /PBI-L405MA	580	90	120	380	105	425	225	157.5	32	25
MHiKE-803MA /PBI-L803MA	580	90	120	385	105	390	190	121.5	40	32
MHiKE-406UA	580	100	120	380	105	483.8	276	181.5	32	25
MHiKE-804UA	580	100	120	385	105	483.8	276	181.5	40	32
HSSI-1100MA	510	110	140	300	110	330	140	50	32	25
HSSI-1500MA	510	110	140	300	110	350	151	49	40	32

PBI-L991MA



MHiKE-D / PBI-LD Series

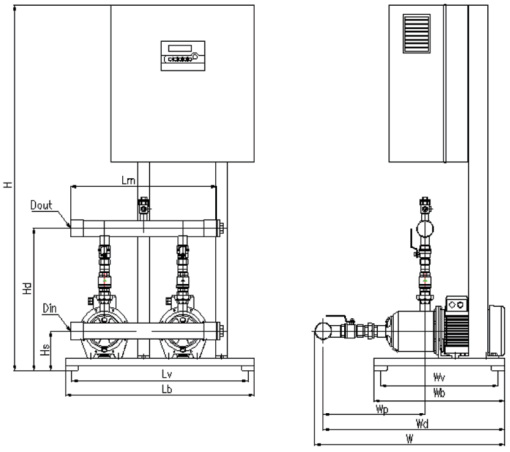


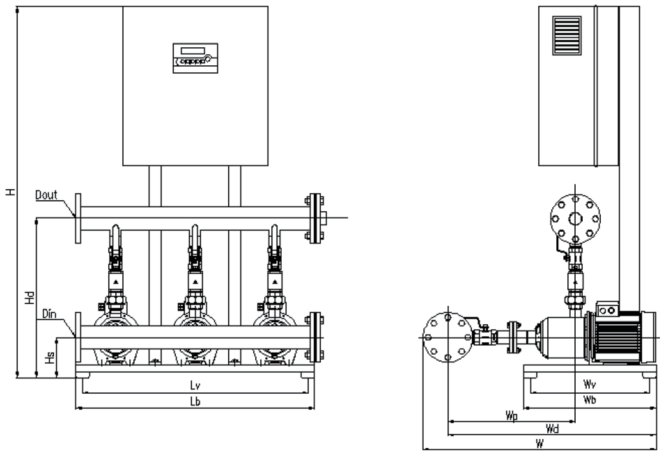
Model	Dimensions(mm)											
	H	H_s	H_d	L_m	L_v	L_b	W	W_p	W_v	W_b	D_{in}	D_{out}
PBI-LD402MA	870	140	530	560	550	600	655	360	320	400	50	50
PBI-LD403MA	870	140	530	560	550	600	655	360	320	400	50	50
MHiKE-D404MA /PBI-LD404MA	870	140	530	560	550	600	655	360	320	400	50	50
MHiKE-D405MA /PBI-LD405MA	870	140	530	560	550	600	655	360	320	400	50	50
MHiKE-D802MA /PBI-LD802MA	870	140	560	560	550	600	725	360	320	400	65	65
MHiKE-D803MA /PBI-LD803MA	870	140	560	560	550	600	725	360	320	400	65	65

MHiKE(-D, W, T) / PBI-L, D / HSSI Series

Dimension drawing

MHiKE-W / T Series





Model	Dimensions(mm)											
	H	Hs	Hd	Lv	Lb	Wv	Wb	Wp	Wd	W	Din	Dout
MHiKE-W406UA	1400	152.5	541	675	725	450	500	385	685	720	50	50
MHiKE-W804UA	1400	152.5	570	675	725	450	500	410	710	760	65	65
MHiKE-W805UA	1400	152.5	570	675	725	450	500	410	710	760	65	65

Model	Dimensions(mm)											
	H	Hs	Hd	Lv	Lb	Wv	Wb	Wp	Wd	W	Din	Dout
MHiKE-T406UA	1400	152.5	570	850	900	450	500	470	770	857	65	65
MHiKE-T804UA	1400	152.5	600	850	900	450	500	485	785	877	80	80
MHiKE-T805UA	1400	152.5	600	850	900	450	500	485	785	877	80	80

Technical data

Model	Output (kW)	Power Source	Inverter Output (kW)	Operating pressure (kgf/cm²)	Rated flow rate (depending on operating pressure)	Diameter (mm)		Max. fluid temp. (℃)
						suction	discharge	
MHiKE-203MA/PBI-L203MA	0.75	Single phase 220V 60Hz	(1.1) 0.75	2	70ℓ/min	25	25	80
PBI-L303MA			1.1		60ℓ/min			35
MHiKE-402MA/PBI-L402MA			(1.1) 0.75		70ℓ/min	32		80
MHiKE-205MA/PBI-L205MA	1.1		(1.1) 1.5	4	70ℓ/min	25		
PBI-L304MA			1.1		50ℓ/min			35
MHiKE-403MA/PBI-L403MA			(1.1) 1.5	2	130ℓ/min	32		80
PBI-L603MA			1.1	2	100ℓ/min			35
PBI-L991MA	1.5		1.85	1.5	200ℓ/min	40	32	
MHiKE-404MA/PBI-L404MA	1.5		(1.85) 1.5	4	90ℓ/min	32	25	80
MHiKE-802MA/PBI-L802MA				2	180ℓ/min	40	32	
MHiKE-405MA/PBI-L405MA	1.85		(1.85) 2.2	4	130ℓ/min	32	25	
MHiKE-803MA/PBI-L803MA				2	220ℓ/min	40	32	
PBI-LD402MA	0.75X2		1.1X2	2	200ℓ/min	50	50	
PBI-LD403MA	1.1X2			3.5	180ℓ/min			
MHiKE-D404MA/PBI-LD404MA	1.5X2		(1.85X2) 1.5X2	4.5	130ℓ/min	50	50	
MHiKE-D802MA/PBI-LD802MA				2	340ℓ/min	65	65	
MHiKE-D405MA/PBI-LD405MA	1.85X2		(1.85X2) 2.2X2	6.0	130ℓ/min	50	50	
MHiKE-D803MA/PBI-LD803MA				3.5	240ℓ/min	65	65	
MHiKE-406UA	2.2	Three phase 380V 60Hz	3	7	110ℓ/min	32	25	
MHiKE-804UA	2.5			4	200ℓ/min	40	32	
MHiKE-W406UA	2.2X2		2.2	7	180ℓ/min	50	50	
MHiKE-W804UA	2.5X2		3	5	360ℓ/min	65	65	
MHiKE-W805UA	3.0X2		4.0	6	400ℓ/min	65	65	
MHiKE-T406UA	2.2X3		2.2	7	270ℓ/min	65	65	
MHiKE-T804UA	2.5X3		3	5	540ℓ/min	80	80	
MHiKE-T805UA	3.0X3		4.0	6	550ℓ/min	80	80	

• Max. suction head of PBI-L303/304/603/991MA(self priming model): 6m, PBI-L991MA: 5m

* '( )' at the inverter output distinguishes between the inverter output of MHiKE and PBI-L in the order named. ex) MHiKE-203MA: 0.75 kW, PBI-L203MA : 1.1 kW

Pressure Boosting (inverter control)

MHiKE(-D, W, T) / PBI-L, D / HSSI Series

Pressure Boosting(inverter control)

Model selection table

1. Downward water supply(roof-top type)

(depending on pressure 2Kgf/cm2)

Apartment	6	8	10	20	30	40	50	60	80	100	120	140	160	180	200	250
Flow rate (ℓ/min)	76	84	89	142	186	225	262	296	358	416	470	521	570	617	662	769
Flow rate (m^3/hr)	4.6	5.0	5.3	8.5	11.2	13.5	15.7	17.8	21.5	25.0	28.2	31.3	34.2	37.0	39.7	46.1
Model	402	402	402	802/ LD402	803/ LD403	D802	D802	D802	D802	W804	W804	W804	T804	T804	T804	T804

2. Upward water supply

82m	20F	W406	W406	W406	T406	T406											
78m	19F	W406	W406	W406	T406	T406	T406										
75m	18F	W406	W406	W406	T406	T406	T406	T406									
72m	17F	W406	W406	W406	W406	T406	T406	T406									
68m	16F	(L)D405	W406	W406	W406	W406	T406	T406	T406	T805	T805						
65m	15F	(L)D405	(L)D405	W406	W406	W406	W805	W805	W805	T805	T805						
62m	14F	(L)D405	(L)D405	W406	W406	W406	W805	W805	W805	T805	T805	T805					
58m	13F	(L)D405	(L)D405	(L)D405	W406	W406	W406	W805	W805	W805	T805	T805	T805				
55m	12F	405	(L)D405	(L)D405	W406	W406	W406	W804	W805	W805	T805	T805	T805	T805			
52m	11F	405	405	(L)D405	(L)D405	W406	W406	W804	W804	W805	W805	T804	T805	T805	T805		
49m	10F	405	405	405	(L)D405	W406	W406	W804	W804	W804	W805	T804	T804	T805	T805		
45m	9F	404	405	405	(L)D405	(L)D405	W406	W804	W804	W804	W805	T804	T804	T804	T805	T805	
42m	8F	404	405	405	(L)D405	(L)D405	W406	W804	W804	W804	W804	W805	T804	T804	T804	T805	
39m	7F	404	404	405	(L)D404	(L)D405	(L)D405	W804	W804	W804	W804	W805	T804	T804	T804	T804	T805
35m	6F	404	404	404	(L)D404	(L)D405	(L)D405	W804	W804	W804	W804	W805	T804	T804	T804	T804	T805
32m	5F	403	403	404	(L)D404	(L)D404	(L)D405	(L)D803	W804	W804	W804	W804	T804	T804	T804	T804	T805
29m	4F	403	403	404	803/LD403	(L)D404	(L)D405	(L)D803	(L)D803	W804	W804	W804	T804	T804	T804	T804	T805
25m	3F	403	403	403	803/LD403	(L)D404	(L)D404	(L)D803	(L)D803	(L)D803	W804	W804	W804	T804	T804	T804	T804
22m	2F	403	403	403	803/LD403	803/LD403	(L)D404	(L)D803	(L)D803	(L)D803	W804	W804	W804	T804	T804	T804	T804
19m	1F	203	402	403	803/LD403	803/LD403	(L)D404	(L)D803	(L)D803	(L)D803	W804	W804	W804	T804	T804	T804	T804
Apartment→		6	8	10	20	30	40	50	60	80	100	120	140	160	180	200	250
Accommodation→					15	20	30	40	60	90	120	150	170	200	220	250	300
Flow rate(ℓ/min)→		76	84	89	142	186	225	262	296	358	416	470	521	570	617	662	769
Flow rate(m^3/hr)→		5	5	5	9	11	14	16	18	21	25	28	31	34	37	40	46

※ Recommended pressure tank volume **(optional)**

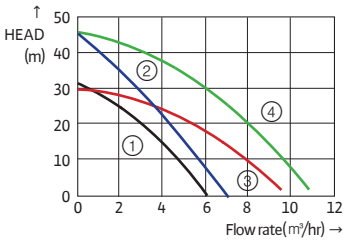
Model	Tank volume
MHiKE-W406UA	100L
MHiKE-W804/805UA	200L
MHiKE-T406UA	100L
MHiKE-T804/805UA	200L

- Please install the pressure tank to protect pump system from water hammering and reduce motor operating time
- The size of flexible hose at the external connecting pipe is PF 1"
- Recommended pressure tank size is based on setting pressure at the factory, thus if you want to change the operation pressure, please contact with us

PBE Series

Pressure Boosting(1 tank)

Performance curve



①PBE-202LMA ②PBE-203LMA
③PBE-402LMA ④PBE-403LMA

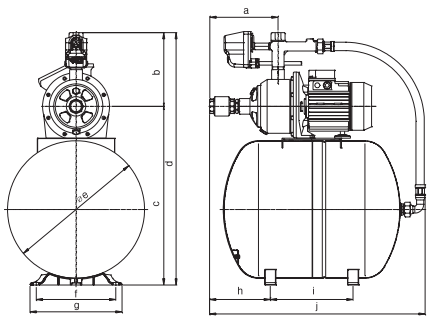
Features

- Corrosion resistance due to apply stainless steel pump
- Low noise level and vibration
- Max. fluid temperature: 80°C

Application

- Boosting for high floors of housing and apartment
- Water supply for cooling tower

Dimension drawing



[mm]

Model	a	b	c	d	e	f	g	h	i	j
PBE-202LMA	307	208	380	588	Ø264	230	260	149	189	536
PBE-203LMA	307	208	505	713	Ø389	230	260	172	235	627
PBE-402LMA	307	208	505	713	Ø389	230	260	172	235	790
PBE-403LMA	307	208	505	713	Ø389	230	260	216	235	807

Technical data

Model	Output (kW)	Discharge head(m)	Flow rate (m^3/hr)	Diameter (mm)	Tank volume(ℓ)
PBE-202LMA	0.55	15	3(Ht=15m)	suction : 25	20
PBE-203LMA	0.75	25	3(Ht=25m)	discharge : 25	50
PBE-402LMA	0.75	15	6(Ht=15m)	suction : 32	50
PBE-403LMA	1.1	25	6(Ht=25m)	discharge : 25	50

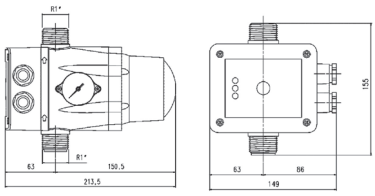
FC

Automatic operation controller

FC

Dimension drawing

[mm]



Features

- Automatic flow and pressure controller with dry running and flowing backward protection(available for MHI – 202M, 203M, 402M)
- Compact and weight lightening design
- Possible to set the operation pressure (1.5~2.7kgf/cm²)
- Dry running protection
- No need for separate pressure tank
- Corrosion resistance
- Safe operation due to digital sensor
- Max. fluid temperature: 60°C

Application

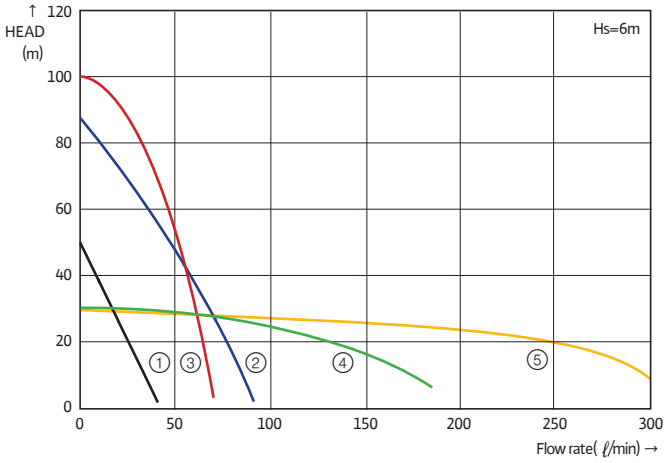
- Automatic operation controller for water supply and boosting pumps

Technical data

Model	Max. flow rate (m^3/hr)	Operating pressure (kgf/cm²)	Stop flow rate (ℓ/min)	Max. pressure (kgf/cm²)	Max. fluid temperature (℃)	Power Source	Max. input current (A)
FC	10	1.5~2.7	1.0~2.0	10	60	Single phase 220V,60Hz	25 when starting 10 when operating

Pressure Boosting (1 tank)

Performance curve



①PW-601LMA, PW-C601LMA ②PW-952LMA, PW-C952LMA
③PW-2200MA/UA, PW-C2200MA/UA ④PU-954LMA
⑤PU-S991LMA

Features

- Constant pressure for high land
- Easy installation and maintenance(roof top tank is not needed)
- High suction head
- Capable to change pressure switch setting

Application

- Boosting for housing, residential building and restaurant
- Shallow well(self priming)

PW-601LMA, 952LMA, C952LMA

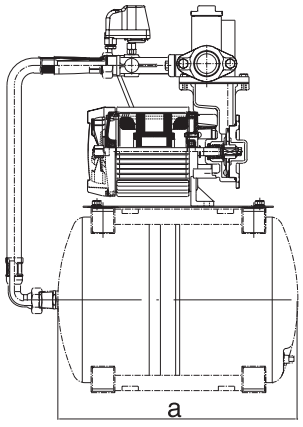
High pressure type

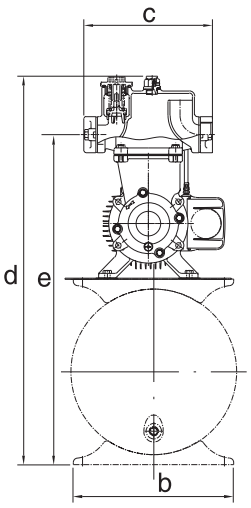
PW-601LMA

PW-952LMA

PW-C952LMA

Dimensions





[mm]

Model	a	b	c	d	e
PW-601LMA	410	256	232	620	340
PW-952LMA/C952LMA	410	270	234	666	556

Technical data

Model	Power Source	Output (W)	Suction head (m)	Discharge head (m)	Max. flow rate (ℓ/hr)	Flange Dia. (mm,inch)	Tank volume (ℓ)
PW-601LMA	Single phase 220V,60Hz	600	8	22	3,000	30(1 1/4")	20
PW-952LMA/C952LMA		950		25	5,400	40(1 1/2")	

PW-2200MA/UA, C2200MA/UA

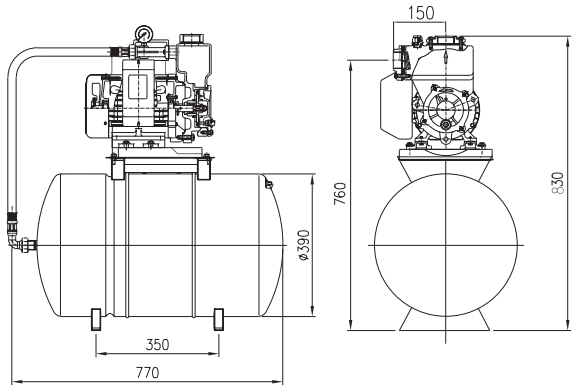
High pressure type

PW-2200MA/UA

PW-C2200MA/UA

Dimension drawing

[mm]



Technical data

Model	Power Source	Output (W)	Suction head (m)	Discharge head (m)	Max. flow rate (ℓ/hr)	Flange Dia. (mm, inch)	Tank volume (ℓ)
PW-2200MA/C2200MA	Single phase 220V 60Hz	2,200	8	45	5,500 (Hs=0.5m)	40mm(1 1/2″)	80
PW-2200UA/C2200UA	Three phase 380V 60Hz						

PU-954LMA, S991LMA

Large flow rate type

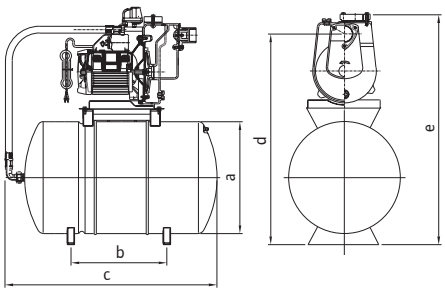
PU-954LMA

PU-S991LMA

Dimension drawing

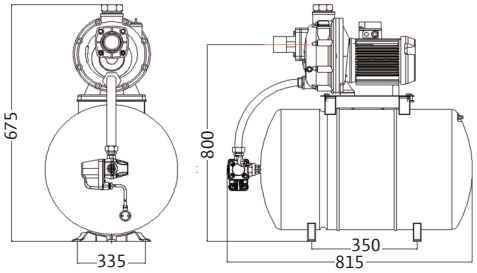
PU-954LMA

[mm]



Model	a	b	c	d	e
PU-954LMA	Ø390	350	770	760	830

PU-S991LMA



Technical data

Model	Power Source	Output (W)	Suction head(m)	Discharge head(m)	Max. flow rate (ℓ/hr)	Flange Dia. (mm, inch)	Tank volume(ℓ)
PU-954LMA	Single phase 220V,60Hz	950	6	12	14,400 (Hs=0.5m)	40(1 1/2″)	80
PU-S991LMA	Single phase 220V,60Hz	990	6	20	19,800 (Hs=0.5m)	40(1 1/2″)	80

Pressure Boosting (1 tank)

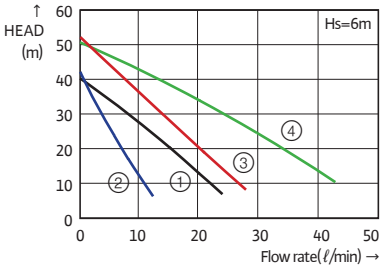
PW-200SMA, 201SMA, 350SMA, 600SMA, C200SMA, C201SMA, C350SMA, C600SMA

Pressure Boosting(1 tank)

PW-200/201/
350/600SMA

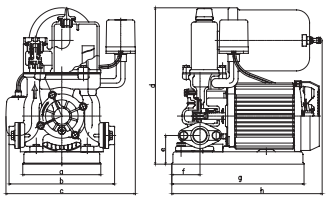
PW-C200/C201/
C350/C600SMA

Performance curve



①PW-200SMA, C200SMA
②PW-201SMA, C201SMA
③PW-350SMA, C350SMA
④PW-600SMA, C600SMA

Dimension drawing



[mm]

Model	a	b	c	d	e	f	g	h	i
PW-200SMA/C200SMA	146	193	220	269	49	49	216	250	20
PW-201SMA/C201SMA									
PW-350SMA/C350SMA		201		288	55		262	297	22
PW-600SMA/C600SMA	171	230	265	310	57	67	276	290	25

Technical data

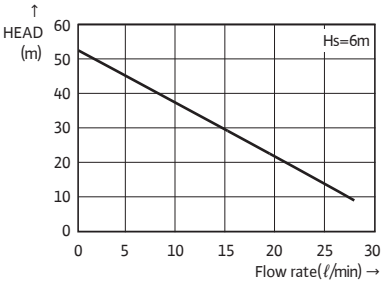
Model	Power Source	Output (W)	Total head (m)	Suction head (m)	Discharge head (m)	Max. flow rate (ℓ/hr)
PW-200SMA/C200SMA	Single phase 220V, 60Hz	200	15	8	7	1,800(Hs=0.5m)
PW-201SMA/C201SMA		200	19	8	11	1,200(Hs=0.5m)
PW-350SMA/C350SMA		350	24	8	16	2,100(Hs=0.5m)
PW-600SMA/C600SMA		600	26	8	18	3,300(Hs=0.5m)

*PW-201SMA: boosting for instant water heater and gas boiler

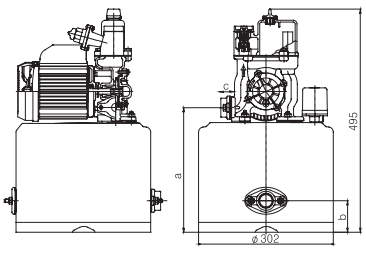
PW-350NMA, 353NMA

Pressure Boosting(1 tank)

Performance curve



Dimension drawing



[mm]

Model	a	b	c
PW-350NMA	274	70	22
PW-353NMA	230	65	70

Technical data

Model	Power Source	Output (W)	Total head (m)	Suction head (m)	Discharge head (m)	Max. flow rate (ℓ/hr)
PW-350NMA	Single phase 200V 60Hz	350	24	8	16	2,100 (Hs=0.5m)
PW-353NMA						

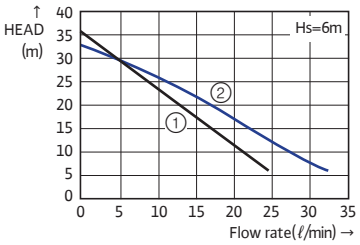
PWS-200SMA, 350SMA, C200SMA, C350SMA

Automatic flow sensor type

PWS-200/350SMA

PWS-C200/C350SMA

Performance curve



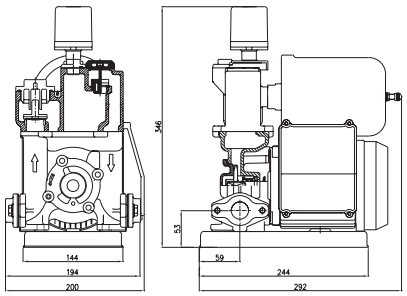
①PWS-200SMA, C200SMA
②PWS-350SMA, C350SMA

Features

- Constant pressure level due to flow sensor
- Low noise level

Dimension drawing

[mm]



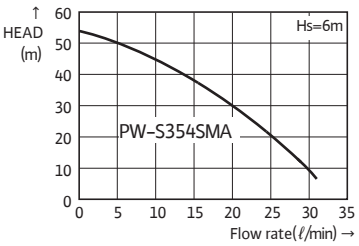
Technical data

Model	Power Source	Output (W)	Total head (m)	Suction head (m)	Discharge head (m)	Max. flow rate (ℓ/hr)
PWS-200SMA PWS-C200SMA	Single phase 220V 60Hz	200	10	3	7	1,800 (Hs=0.5m)
PWS-350SMA PWS-C350SMA		350	19		16	2,100 (Hs=0.5m)

PW-S354SMA

Pressure Boosting(1 tank)

Performance curve

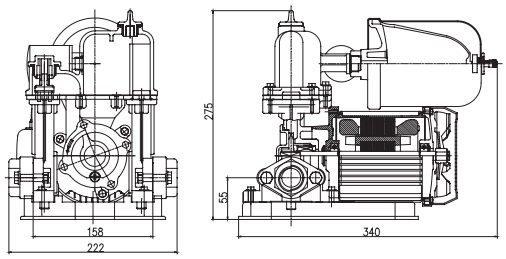


Features

- Corrosion resistance due to bronze materials for pump body
- Weight lightening and compact design
- Installation compatibility with existing pumps
- Temperature sensor in pump head

Dimension drawing

[mm]



Technical data

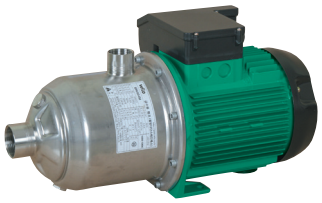
Model	Power Source	Output (W)	Total head (m)	Suction head (m)	Discharge head (m)	Max. flow rate (ℓ/hr)
PW-S354SMA	Single phase 220V, 60Hz	350	24	8	16	2,100 (Hs=0.5m)

Stainless steel multi/single stage centrifugal

HSS/MHI Series

Stainless steel multi/single stage centrifugal

HSS Series



MHI Series

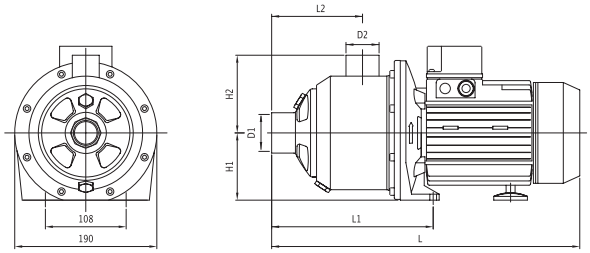
Application

- Common water supply and boosting, agriculture water, irrigation water, coolant circular water, etc.

Applicable fluid

- Available with fluids that do not contain fibrous materials, or any materials which might cause abrasion, such as drinking water, cold/hot water and condensed water

Dimension drawing

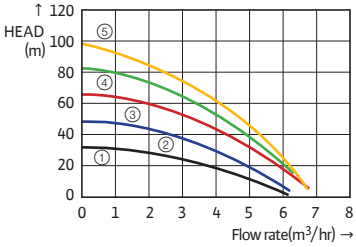


[mm]

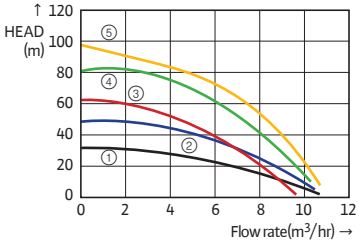
Model	Power Source		Output	Dimension(mm)						
	(V)	(ph)	(kW)	H1	H2	L	L1	L2	D1	D2
MHI202M(I)	220(380)	1(3)	0.55	90	104	354	204	109.5	25	25
MHI203M(I)	220(380)	1(3)	0.75	90	104	354	204	109.5	25	25
MHI204M(I)	220(380)	1(3)	1.1	90	104	428.1	252	157.5	25	25
MHI205M(I)	220(380)	1(3)	1.1	90	104	428.1	252	157.5	25	25
MHI206M(I)	220(380)	1(3)	1.5	90	104	452.1	276	181.5	25	25
MHI402M(I)	220(380)	1(3)	0.75	90	104	354	204	109.5	32	25
MHI403M(I)	220(380)	1(3)	1.1	90	104	380.1	204	109.5	32	25
MHI404M(I)	220(380)	1(3)	1.5	90	104	428.1	252	157.5	32	25
MHI405I	380	3	1.85	90	104	428.1	252	157.5	32	25
MHI406I	380	3	2.2	100	104	483.8	276	181.5	32	25
MHI802M(I)	220(380)	1(3)	1.5	90	104	392.1	216	121.5	40	32
MHI803I	380	3	1.85	90	104	392.1	216	121.5	40	32
MHI804I	380	3	2.5	100	104	483.8	276	181.5	40	32
MHI1602I	380	3	2.2	100	104	443.5	236	138	50	40
HSS-1100M(U)	220(380)	1(3)	1.1	110	110	330	140	50	32	25
HSS-1500M(U)	220(380)	1(3)	1.5	110	110	350	151	49	40	32

* ( ) is for three phase model(I:220V/380V, U: 380V)

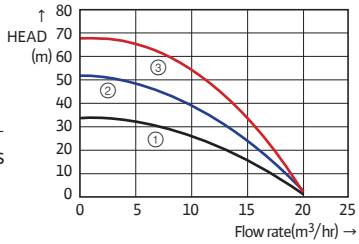
Performance curve



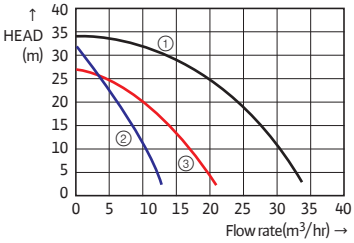
①MHI202 ②MHI203 ③MHI204
④MHI205 ⑤MHI206



①MHI402 ②MHI403 ③MHI404
④MHI405 ⑤MHI406



①MHI802 ②MHI803 ③MHI804



①MHI1602 ②HSS-1100M/U
③HSS-1500M/U

Pump material					
Model	Impeller	Diffuser	Shaft	Gasket	Mechanical seal
MHI Series	STS 304	STS 304	STS 316L	EPDM (*VITON)	Al_2O_3 / Carbon (*SiC/SiC)
HSS Series	STS 304	STS 304	STS 304	NBR	SiC/Carbon

Technical data				
Model	Fluid temp.	Ambient temperature	Max. pressure	Max. suction pressure
MHI Series	-15~+110℃*	Max. 40℃	Max.10bar	Max.6bar
HSS Series	~80℃	Max. 40℃	Max. 4.5bar	-

*Please inquire if fluid temperature is over 80℃

Model name(ex: HSS-1100M)	
HSS	Stainless steel single stage centrifugal
1100	Output
M	1)M : Single phase 60Hz, 220V
	2)U : Three phase 60Hz, 380V

Model name(ex: MHI 403M)	
MHI	Stainless steel multi stage centrifugal
4	Optimized flow rate (m³/h)
03	Number of impeller stage
M	1) M : Single phase 60Hz, 220V 2) I : Three phase 60Hz, 220V/380V 3) N : Three phase 60Hz, 440V

Drainage and sewage option table

STS304 Impeller model

Model
PD-1504I
PD-2204I
PD-3704I
PD-5504I
PD-7504I
PD-11K4I
PD-15K4I
PDV-754M
PDV-754MA
PDV-754I
PDN-1404M
PDN-1404MA
PDN-1404I
PDN-2204I
PDN-2504I
PDV-3704I
PDN-5504I
PDN-7504I

Auto guide rail system

Model
AD-50/4-6 (All STS304)
AD-50/GG4H43 (STS304 CHAIN 3m)
AD-50/GG4H46 (STS304 CHAIN 6m)
AD-65/4-6 (All STS304)
AD-65/GG4H43 (STS304 CHAIN 3m)
AD-65/GG4H46 (STS304 CHAIN 6m)
AD-80/4-6 (All STS304)
AD-80/GG4H43 (STS304 CHAIN 3m)
AD-80/GG4H46 (STS304 CHAIN 6m)
AD-100/4-6 (All STS304)
AD-100/GG4H46 (STS304 CHAIN 6m)
AD-100/GG4H410 (STS304 CHAIN 10m)
AD-150/GG4H46 (STS304 CHAIN 6m)

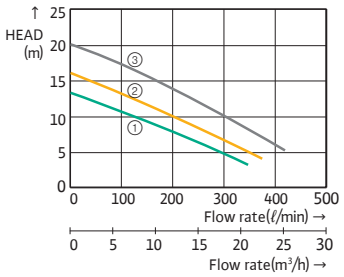
*All STS304 auto guide rail system included STS304 6m chain

CAC406 (bronze) Impeller model

Model
PD-1500I (PDE150I058S)
PD-2200I (PDE220I088S)
PD-3701I (PDE370I088L)
PD-5500I (PDE550I088L)
PD-7500I (PDE750I108L)
PD-11KI (PDE11KI108L)
PD-15KI (PDE15KI108L)
PDN-2200I (PDN150I088S)
PDN-2500I (PDN220I088S)

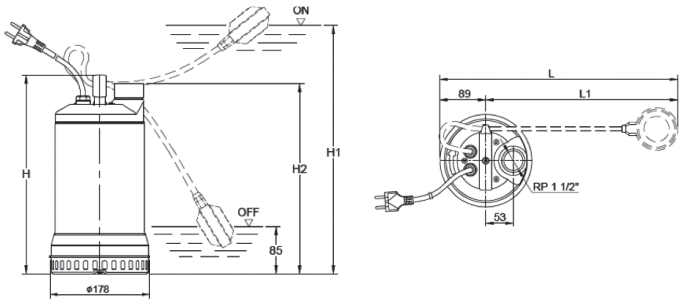
TS-S Series

Performance curve



①TS-S750M(A)/I
②TS-S1100M(A)/I
③TS-S1500I

Dimension drawing



Application

- Drainage and sewage (in industrial application),Basement drainage, Circulation for fish farm and fountain

Features

- Durability and reliability due to stainless steel for all the parts such as casing, housing strainer etc.
- Available to minimize residual water-lever due to jacket-cooled motor
- Long life cycle of motor due to thermal protector
- Portable due to weight lightening

[mm]

Model	Dimensions				
	H	H1	H2	L	L1
TS-S750M/(A)	407	497	391	514	425
TS-S1100M/(A)	407	497	391	514	425
TS-S750I	375	-	341	-	-
TS-S1100I	407	-	391	-	-
TS-S1500I	407	-	391	-	-

Technical data

Model	Power Source	Output		Total head	Max. Head	Flow rate	Max. flow rate	Discharge Dia.		Weight
		HP	kW	m	m	ℓ/min	ℓ/min	mm	inch	kg
TS-S750M/(A)	Single phase 220-230V 60Hz	1	0.75	11	13.4	100	325	40	1 1/2"	15/(15.5)
TS-S1100M/(A)		1.5	1.1	12	16	150	350	40	1 1/2"	17/(17.5)
TS-S750I	Three phase 380V 60Hz	1	0.75	11	13.4	100	325	40	1 1/2"	12
TS-S1100I		1.5	1.1	12	16	150	350	40	1 1/2"	15
TS-S1500I		2	1.5	15	20	150	420	40	1 1/2"	17

* (A): with float switch(automatic operation)

Submersible drainage

PD-200M/MA/MLA, PD-350M/MA/MLA, PD-550M/MA/MLA, PD-760M/MA/MLA

Volute type

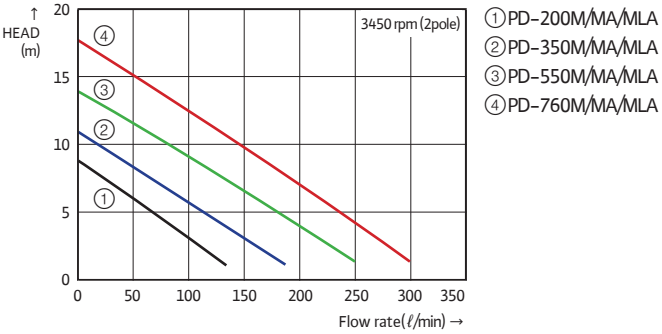
PD-350M

PD-350MLA

PD-760M

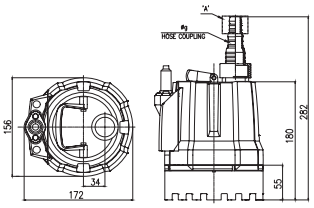
PD-760MLA

Performance curve

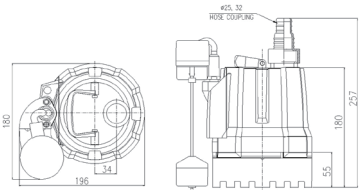


Dimension drawing

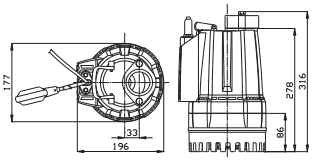
PD-200/350M(A)



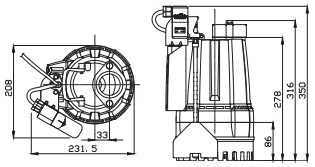
PD-200/350MLA



PD-550/760M(A)



PD-550/760MLA



[mm]

Dimensions / Model	'A'	Øg(mm, inch)
PD-200M/MA/MLA	O	20, 25, 32, 1″
PD-350M/MA/MLA	X	25, 32, 1″

Features

- Minimum residual water-level
- Ability to pass through particles
- Integrated motor cooling system
- Weight lightening and easy transportation
- Double sealing system (Mechanical Seal and Oil Seal)
- Compatible discharge (1", 20, 25,32mm): PD-200/350 Series
- Air venting system: PD-550/760 Series
- High starting torgue: PD-550/760 Series
- Durability
- Corrosion resistance

* Drainage to prevent flooding for small space

Application

- Drainage for water tank, basement and handy sewage facility (PD-200/350 Series)
- Drainage for general usages, waste water treatment, construction site, agriculture and horticultural as well as flood control(PD-550/760 Series)

Technical data

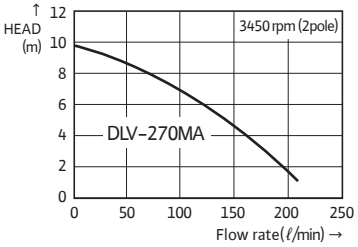
Model	Power Source	Output (W)	Max. Head (m)	Flow rate/Head (ℓ/min)	Max. Flow rate (ℓ/min)	Discharge Dia. (mm,inch)
PD-200M/MA/MLA	Single phase, 220V 60Hz	200	9	130(Ht=1m)	140	20,25,32,1″
PD-350M/MA/MLA		350	11	180(Ht=1m)	190	25,32,1″
PD-550M/MA/MLA		700	14	145(Ht=7m)	250	50, 2″
PD-760M/MA/MLA		1,100	18	200(Ht=7m)	300	50, 2″

* PD-200/350MA: with float switch(automatic operation)
* PD-200/350MA: with level switch(automatic operation)
* Discharge(mm): diameter size of hose coupling
* Discharge(inch): diameter size of direct-connectable pipe
* Length of cable of PD-200/250M(A/LA): 3m, others(below 1HP): 5m
* All of PD series: 2 pole

DLV-270MA

Drainlift

Performance curve



Features

- Odor-free due to perfect sealing a tank with silicon gasket
- Space saving design
- Easy maintenance with a vortex type pump (free passage)
- Sewage lifting unit

Application

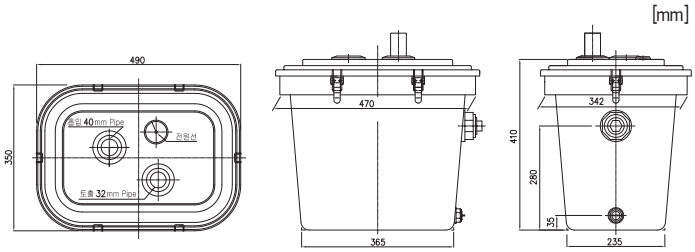
- Disposal of sewage that cannot be discharged naturally to the sewer system
- Disposal of sewage in a (semi)basement for residential and industrial purposes

Technical data

Model	Power Source	Output (W)	Max. Head (m)	Max. flow rate (ℓ/min)	Discharge Dia. (mm,inch)	Operating volume (ℓ)
DLV-270MA	Single phase, 220V, 60Hz	300	9	200	32(11/4")	23

Dimension drawing

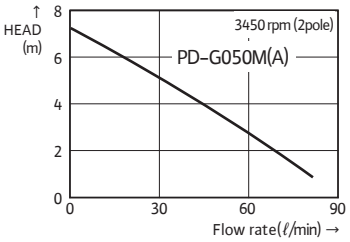
[mm]



PD-G050M, G050MA

Volute type

Performance curve



Performance curve

- Corrosion resistance materials for all wet parts
- Minimum residual water-level
- Space saving due to top discharge design
- Portable usage due to lifting handle
- Easy removable strainer for cleaning dirt particles

Application

- Drainage for water tank in building and aquarium
- Drainage for basement and residual water
- Sewage from a sink

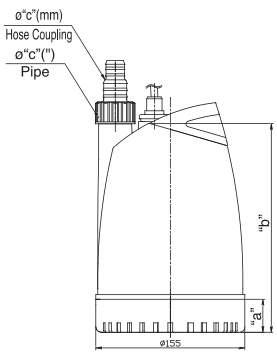
Technical data

Model	Power Source	Output (W)	Max. Head (m)	Max. Flow rate (ℓ/min)	Discharge Dia. (mm,inch)
PD-G050M/MA	Single phase 220V 60Hz	80	5	70	20, 25(1")

* PD-G50MA: with float switch(automatic operation)

Dimension drawing

[mm]



Model	a	b	c
PD-G050M/MA	34.5	200	20, 25(Hose) 25(1", Pipe)

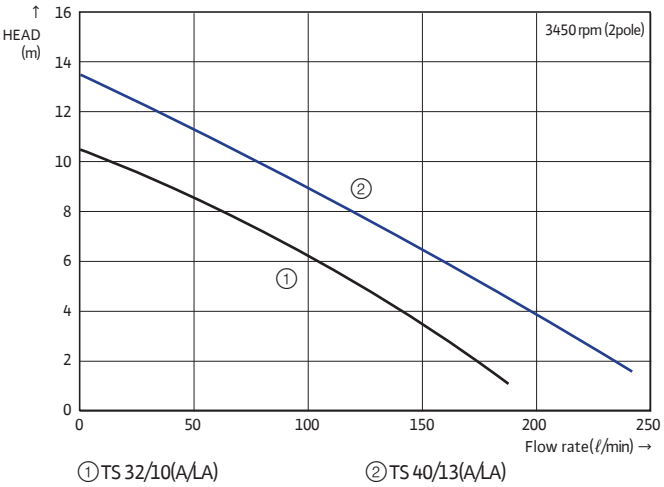
Submersible drainage

TS 32/10(A/LA), TS 40/13(A/LA)

Volute type

TS Series

Performance curve



①TS 32/10(A/LA) ②TS 40/13(A/LA)

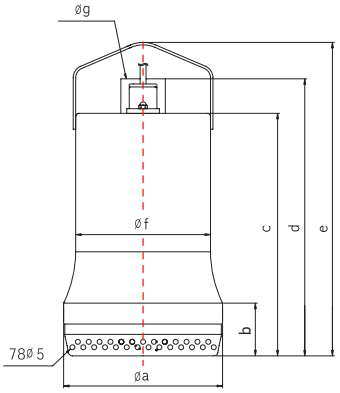
Features

- Durability and reliability due to impact-resistant stainless steel
- Corrosion resistance for all wet parts
- Jacket-cooled motor
- Space saving due to top discharge design
  (TS 32/10(A): 161mm, TS 40/13(A): 171mm)

Application

- Drainage for restaurant, spa, swimming pool and fountain
- Drainage for construction site
- Drainage for agriculture and horticulture
- Flood control

Dimension drawing



[mm]

Model	Øa	b	c	d	e	Øf	Øg
TS 32/10(A/LA)	161	53	246	280	317	136.5	32
TS 40/13(A/LA)	171	77	269	304	344	146.5	40

Technical data

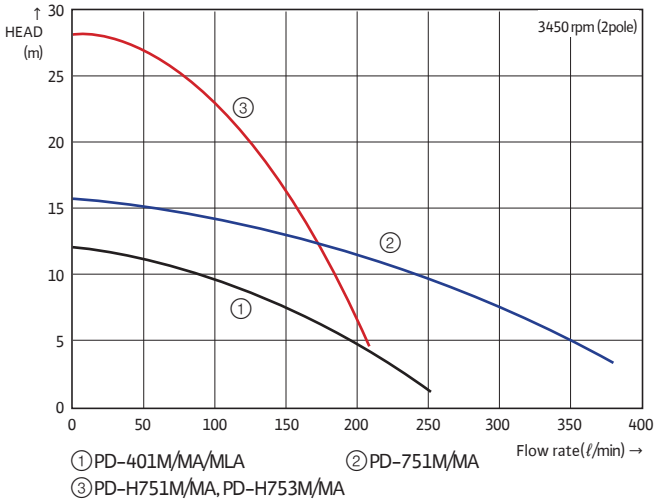
Model	Power Source	Output (W)	Max. Head (m)	Max. Flow rate (ℓ/min)	Discharge Dia. (mm,inch)
TS 32/10(A/LA)	Single phase 220V 60Hz	350	10	175	32(1 1/4″)
TS 40/13(A/LA)		600	13	220	40(1 1/2″)

* TS 32/10A, TS 40/13A: with float switch(automatic operation)
* TS 32/10LA, TS 40/13LA: with level switch(automatic operation)

PD-401M/MA/MLA, 751M/MA, H751M/MA, H753M/MA

Volute type

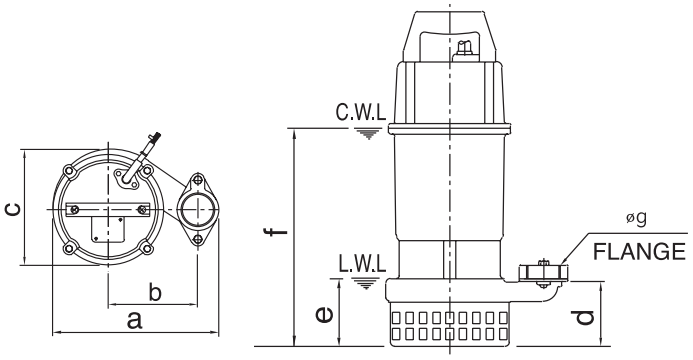
Performance curve



Application

- Drainage with solids (solids size : under strainer suction bore)
- Drainage for waste water treatment and small disposal facility
- Drainage for fountain and waterworks
- Drainage for agriculture and horticulture
- Drainage for underground commercial facilities, basement, machine room and sanitation as well as underground leachate

Dimension drawing



[mm]

Model	a	b	c	d	e	f	Øg
PD-401M/MA/MLA	248	130	171	93	102	283	50
PD-751M/MA						298	
PD-H751M/MA	233	116	179	-	100	280	40
PD-H753M/MA	248	124					50

* PD-401M/MA/MLA, PD-H753/MA : with flange
(PD-H751M/MA : without flange)

Technical data

Model	Power Source	Output (W)	Max. Head (m)	Flow rate / Head (ℓ/min)	Auto coupling	Max. Flow rate (ℓ/min)	Discharge Dia. (mm,inch)
PD-401M/MA/MLA	Single phase 220V 60Hz	400	11	150(Ht=7m)	AD-50	250	50(2″)
PD-751M/MA		950	14	250(Ht=7m)		350	
PD-H751M/MA		950	28	120(Ht=20m)	-	230	40(1 1/2″)
PD-H753M/MA		950	28	120(Ht=20m)	-	230	50(2″)

* PD-401M/751MA/H751MA/H753MA : with float switch(automatic operation)
* PD-401MLA: with level switch(automatic operation)

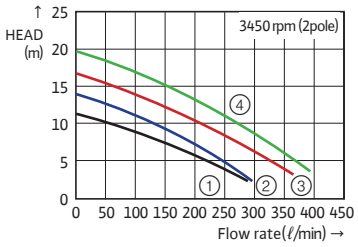
Submersible drainage

PDV-A400M/MA/MLA, A750M/MA, PD-A401M/MA/MLA, A751M/MA

Vortex/Volute type

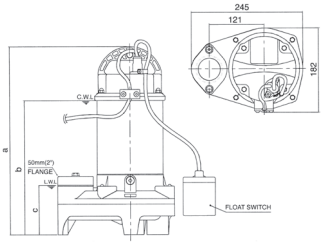
PDV-A400MA PDV-A400M

Performance curve



①PDV-A400M(A)/MLA
②PD-A401M(A)/MLA
③PDV-A750M(A)
④PD-A751M(A)

Dimension drawing



[mm]

Model \ Dimensions	a	b	c
PDV-A400M/MA/MLA	411	293	106
PDV-A750M/MA	428	310	106
PD-A401M/MA/MLA	390	273	86
PD-A751M/MA	407	290	86

Application

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

Features

- Stainless steel and engineering plastic materials
- Easy transportation and installation due 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

Technical data

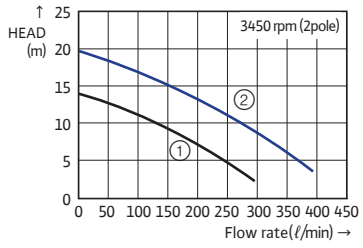
Model	Power Source	Output (W)	Max. Head(m)	Flow rate/Head (ℓ/min)	Max. Flow rate (ℓ/min)	Discharge Dia. (mm,inch)	Weight (kg)	Impeller	Type
PDV-A400M/MA/MLA	Single phase 220V, 60Hz	600	11	170(Ht=6m)	290	50(2″)	12/13	Bronze	Vortex
PDV-A750M/MA		950	16	300(Ht=6m)	350		14/15		
PD-A401M/MA/MLA		600	14	180(Ht=7m)	290		12/13	ENPLA	Volute
PD-A751M/MA		950	18	300(Ht=7m)	370		14/15		

* PDV-A400/750MA, PD-A401/751MA: with float switch(automatic operation)

PD-S401M, S751M/MA

Volute type

Performance curve



①PD-S401M ②PD-S751M(A)

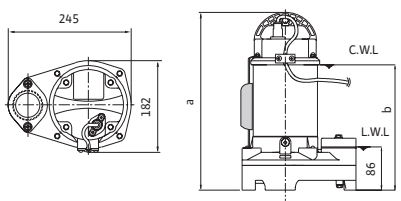
Features

- Corrosion resistance due to Al sacrificial anode : same advantages with PD-A401M/-A751M and additionally designed for seawater

Application

- Circulation and drainage for aquarium
- Circulation and drainage for fish farm
- Drainage for sea water management system

Dimension drawing



[mm]

Model \ Dimensions	a	b
PD-S401M	390	273
PD-S751M/MA	407	290

Technical data

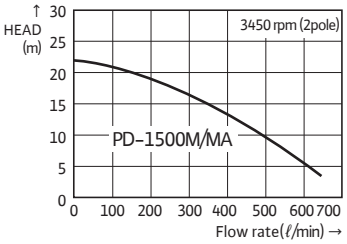
Model	Power Source	Output (W)	Max. Head (m)	Flow rate/Head (ℓ/min)	Max. Flow rate (ℓ/min)	Discharge Dia. (mm,inch)
PD-S401M	Single phase 220V, 60Hz	600	14	180 (Ht=7m)	290	50(2″)
PD-S751M/MA		950	18	300 (Ht=7m)	370	

* PD-S751MA: with float switch(automatic operation)

PD-1500M/MA

Volute type

Performance curve



Performance curve

- Powerful performance up to max head(21m) and flow rate(550ℓ) in 2HP power range
- Stainless steel shaft
- Perfect sealing with double mechanical seal and oil seal
- Thermal protection

Application

- General drainage
- Drainage for building basement and flood control
- Drainage for construction site
- Drainage for agriculture, horticulture and fountain

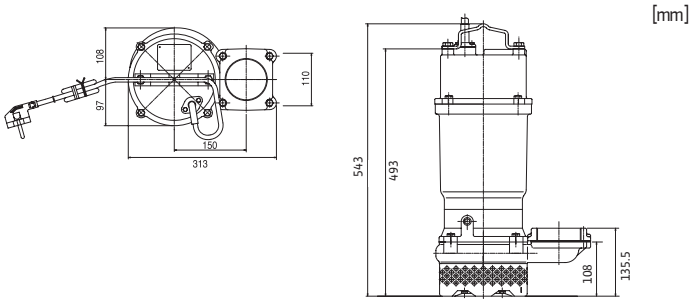
Technical data

Model	Power Source	Output (kW)	Max. Head (m)	Max. Flow rate (ℓ/min)	Discharge Dia. (mm,inch)
PD-1500M/MA	Single phase 220V, 60Hz	1.5	21	550	80(3″)

* PD-1500MA : with float switch(automatic operation)
* Auto coupling device is not available

Dimension drawing

[mm]

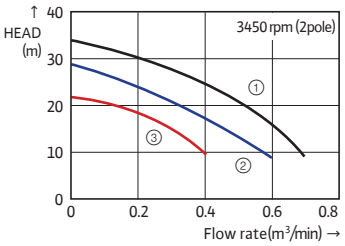


PD Series [1.5kW~3.7kW]

Volute type

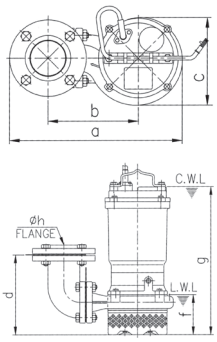
PD-1500I

Performance curve



①PD-3701I/3704I
②PD-2200I/2204I
③PD-1500I/1504I

Dimension drawing



[mm]

Model	a	b	c	d	e	f	Øg
PD-1500I/T/V	262	130	199	108	108	427	50
PD-1504I/T/V							
PD-2200I/T/V	417	218	212	236	119	438	80
PD-2204I/T/V							
PD-3701I/T/V	504	286	262	276	178	528	
PD-3704I/T/V							

Application

- General drainage with solids (solids size: under strainer suction bore)
- Drainage for waste water treatment and small disposal facility
- Drainage for small fountain and artificial water fall
- Drainage for agriculture and horticulture
- Drainage for underground commercial facility, building basement, machine room and sanitation as well as underground leachate

Technical data

Model	Power Source	Output (W)	Flow rate (m³/min)	Total head (m)	Auto coupling	Discharge Dia. (mm,inch)
PD-1500I/T/V	Three phase 380V/ 220V/ 440V 60Hz	1500	0.25	17	AD-50	50(2″)
PD-1504I/T/V						
PD-2200I/T/V		2200	0.3	21	AD-65/80	80(3″)
PD-2204I/T/V						
PD-3701I/T/V		3700	0.5	21		
PD-3704I/T/V						

* PD-1504/2204/3704 Series : stainless steel available(optional)

Submersible drainage

PD-5500I, 5504I, 7500I, 7504I, 11kI, 11k4I, 15kI, 15k4I

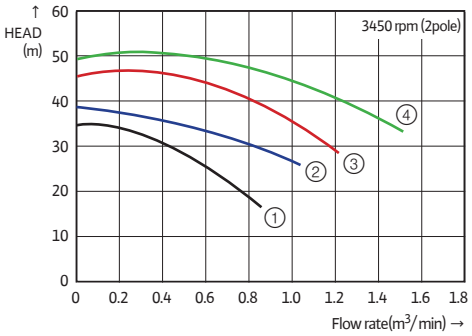
Volute type

PD-5500I, 5504I

PD-7500I, 7504I

PD-11KI, 11K4I, 15KI, 15K4I

Performance curve



① PD-5500I, 5504I
② PD-7500I, 7504I
③ PD-11KI, 11K4I
④ PD-15KI, 15K4I

Application

- General drainage with solids (solids size: under strainer suction bore)
- Drainage for machine room and sanitation
- Drainage for agriculture and horticulture
- Drainage for underground commercial facility, building basement, and underground leachate

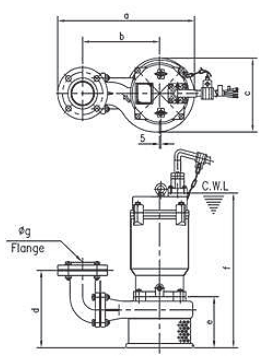
Technical data

Model	Power Source	Output (kW)	Discharge Dia. (mm)	Auto coupling	Total head (m)	Flow rate (m³/h)
PD-5500I	Three phase 380V 60Hz	5.5(7.5HP)	80(3″)	AD-80	25	36
PD-5504I						
PD-7500I		7.5(10HP)	100(4″)	AD-100	30	48
PD-7504I						
PD-11KI		11(15HP)			35	60
PD-11K4I						
PD-15KI		15(20HP)			40	72
PD-15K4I						

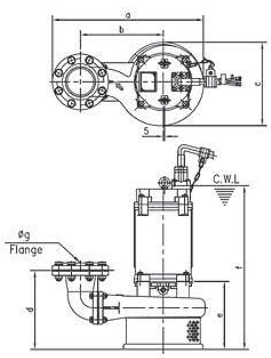
* Changing Voltage available(optional) (exception : PD-1500M/MA)
* 15kW (20HP) or/ and over is Y-Δ Starter(Standard)
* PD-5504I, 7504I, 11K41I : stainless steel impeller available(optional)

Dimension drawing

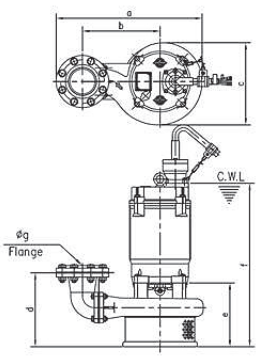
PD-5500I, 5504I



PD-7500I, 7504I



PD-11KI, 11K4I, 15KI, 15K4I



[mm]

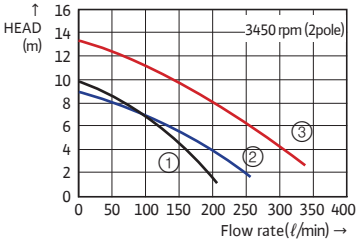
Model	a	b	c	d	e	f	Øg
PD-5500I	509	286	262	274	181	549	80
PD-5504I							
PD-7500I	566	310	314	296	256	616	100
PD-7504I							
PD-11KI	583	310	330	297	257	657	
PD-11K4I							
PD-15KI					257	707	
PD-15K4I							

PDV Series

Vortex type

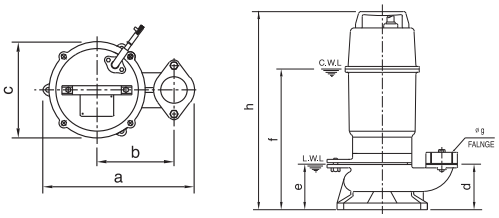
PDV Series

Performance curve



①PDV-270M(A)/MLA
②PDV-400M(A)/MLA
③PDV-750M(A), 753M(A), 752I, 753I, 754M(A), 754I

Dimension drawing



[mm]

Model	a	b	c	d	e	f	h	Øg
PDV-270M/MA/MLA	202	96	140	87	77	266	390	32
PDV-400M/MA/MLA	252	120	165	95	95	303	445	50
PDV-750M(A), 753M(A), 754M/MA						318	468	
PDV-752I,753I,754I						295	400	

*PDV-270M/MA : without flange

Application

- Wastewater transport with solids
- Drainage for cattle shed & wastewater treatment
- Circulation for wastewater treatment plants and pumping stations

Technical data

Model	Power Source	Output (W)	Max. Head (m)	Flow rate/Head (ℓ/min)	Auto coupling	Max. Flow rate (ℓ/min)	Discharge Dia. (mm,inch)
PDV-270M/MA/MLA	Single phase 220V 60Hz	300	9	145(Ht=3m)	-	200	32(1 1/4")
PDV-400M/MA/MLA		400	9	130(Ht=6m)	AD-50	250	50(2")
PDV-750M(A),753M(A),754M/MA		950	12	250(Ht=6m)		350	
PDV-752I,753I,754I	Three phase 380V 60Hz	950	12				

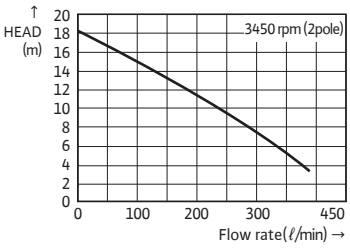
* PDV-270MA/400MA/750MA: with float switch(automatic operation)
* PDV-753M,753I: bronze impeller available(optional, BC6)
* PDV-270MLA/400MLA: with level switch(automatic operation)
* PDV-754M/MA, 754I: stainless steel impeller available(optional)

PDN-1400M/MA/I, 1403I, 1404M/MA/I

NON - CLOG TYPE

PDN-1400M/MA/I, 1403I

Performance curve

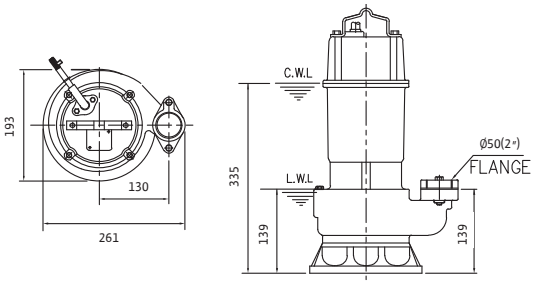


Application

- Drainage and sewage for wastewater treatment
- Drainage and sewage for building facility and sanitation
- Drainage and sewage in industrial application
- Combined treatment process

Dimension drawing

[mm]



Technical data

Model	Power Source	Output (W)	Max. Head (m)	Flow rate/Head (ℓ/min)	Auto coupling	Max. Flow rate (ℓ/min)	Discharge Dia. (mm,inch)
PDN-1400M/MA	Single phase 220V 60Hz	950	18	300 (Hd=7m)	AD-50	400	50(2")
PDN-1403M/MA							
PDN-1404M/MA							
PDN-1400I	Three phase 380V 60Hz						
PDN-1403I							
PDN-1404I							

* PDN-1403M/MA/I: bronze impeller available(optional)
* PDN-1405M/MA/I: stainless steel impeller available(optional)

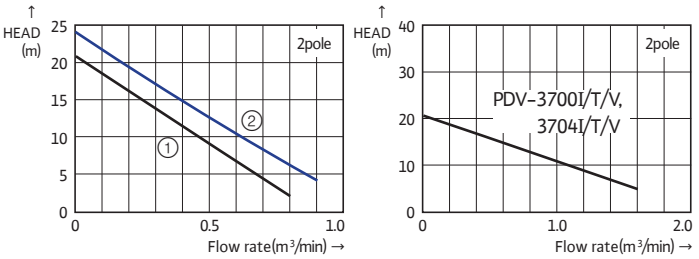
Submersible drainage

PDN-2200I/T/V, 2204I/T/V, 2500I/T/V, 2504I/T/V, PDV-3700I/T/V, PDV-3704I/T/V

NON - CLOG TYPE

PDN-2200I/T/V, 2500I/T/V

Performance curve



① PDN-2200I/T/V, 2204I/T/V
② PDN-2500I/T/V, 2504I/T/V

Application

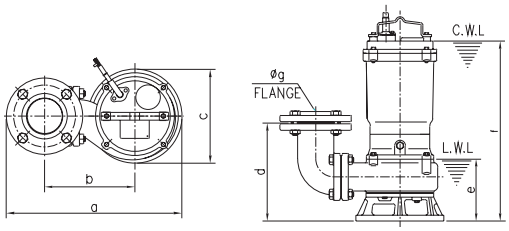
- Drainage and sewage for wastewater treatment
- Drainage and sewage for building facility and sanitation
- Drainage and sewage in industrial application
- Combined treatment process

Technical data

Model	Power Source	Output (W)	Auto coupling	Flow rate (m³/min)	Total head (m)	Discharge Dia. (mm,inch)
PDN-2200I/T/V	Three phase 380V/ 220V/ 440V 60Hz	1.5	AD-65/80	0.44	10	80(3″)
PDN-2204I/T/V						
PDN-2500I/T/V		2.2		0.6	10	
PDN-2504I/T/V						
PDV-3700I/T/V		3.7		0.9	12	
PDV-3704I/T/V						

* Bronze impeller available(BC6, optional)
* PDN-2200/2500 : detachable strainer type
* PDN-3700 : All-in-one tripod type
* PDV-2204/2504, PDV-3704: stainless steel impeller available(optional)

Dimension drawing



[mm]

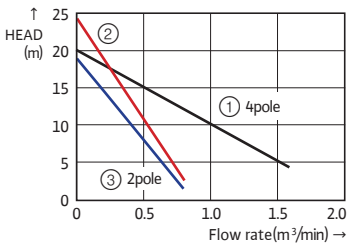
Model	a	b	c	d	e	f	Øg
PDN-2200I/T/V, 2204I/T/V	426	219	228	254	160	468	80
PDN-2500I/T/V, 2504I/T/V							
PDV-3700I/T/V, 3704I/T/V	546	287	332	270	187	534	

PDC-2201I/T/V, 2500I/T/V, 3700I/T/V

CUTTER TYPE

PDC-3700I/T/V

Performance curve



① PDC-3700I/T/V
② PDC-2500I/T/V
③ PDC-2201I/T/V

Application

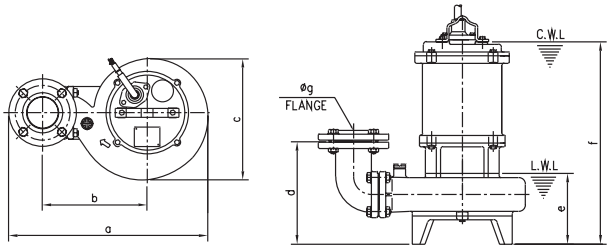
- Drainage and sewage for wastewater treatment
- Drainage and sewage for building facility and sanitation
- Drainage and sewage in industrial application
- Drainage for combined treatment process

Technical data

Model	Power Source	Output (kW)	Auto coupling	Flow rate (m³/min)	Total head (m)	Discharge Dia. (mm,inch)
PDC-2201I/T/V	Three phase 380V/220/440V 60Hz	1.5	AD-65 /80	0.4	10	80(3)
PDC-2500I/T/V		2.2		0.55	10	
PDC-3700I/T/V		3.7		0.9	11	

* PDC-2201/2500 : detachable strainer type
* PDC-3700 : All-in-one tripod type

Dimension drawing



[mm]

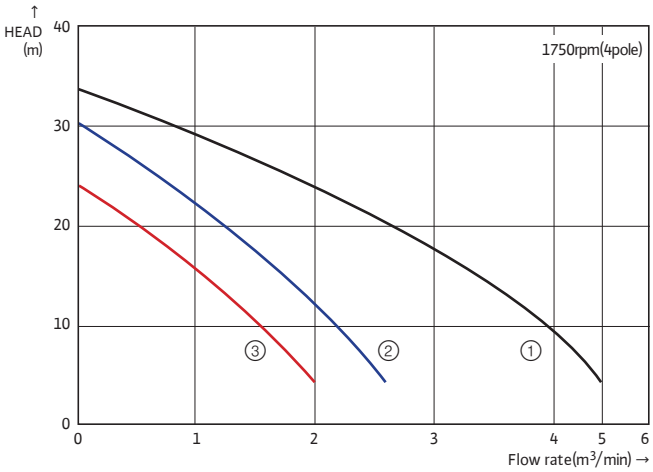
Model	a	b	c	d	e	f	Øg
PDC-2201I/T/V	426	219	228	254	160	468	80
PDC-2500I/T/V	426	219	228	254	160	468	
PDC-3700I/T/V	546	287	332	270	187	534	

PDN-5500I/T/V, 5504I/T/V, 7500I/T/V, 7504I/T/V, 15KI

NON - CLOG TYPE

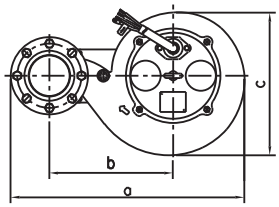
PDN-5500I/T/V, 7500I/T/V

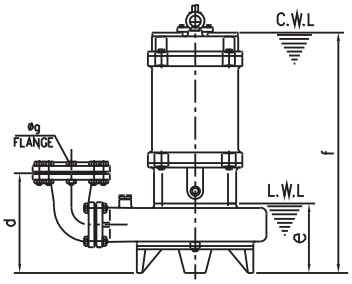
Performance curve



①PDN-15KI
②PDN-7500I/T/V, 7504I/T/V
③PDN-5500I/T/V, 5504I/T/V

Dimension drawing





[mm]

Model	a	b	c	d	e	f	Øg
PDN-5500I/T/V, 5504I/T/V	636	337	388	271	189	654	100
PDN-7500I/T/V, 7504I/T/V							
PDN-15KI	894	530	448	365	277	830	150

* PDN-5504/7504: stainless steel impeller available(optional)
* Please refer to product catalogue about high pressure, sand and huge flow rate drainage pumps

Technical data

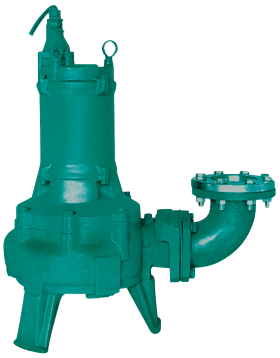
Model	Power Source	Output(kW)	Auto coupling	Flow rate(m³/min)	Total head(m)	Discharge Dia.(mm,inch)
PDN-5500I/T/V, 5504I/T/V	Three phase 380V/ 220/440V 60Hz	5.5(8HP)	AD-80/100	1	16	100(4")
PDN-7500I/T/V, 7504I/T/V		7.5(10HP)		1.4	17	
PDN-15KI	Three phase 380V 60Hz	15(20HP)	AD-150	2.5	22	150(6")

* 15kW(20HP) orand is Y-Δ Starter(Standard)

Submersible drainage

PDX Series

Vortex type

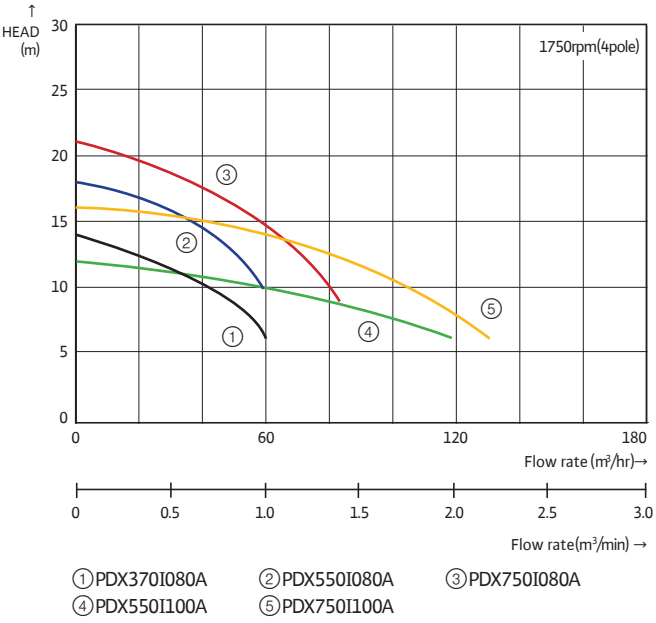


PDX Series

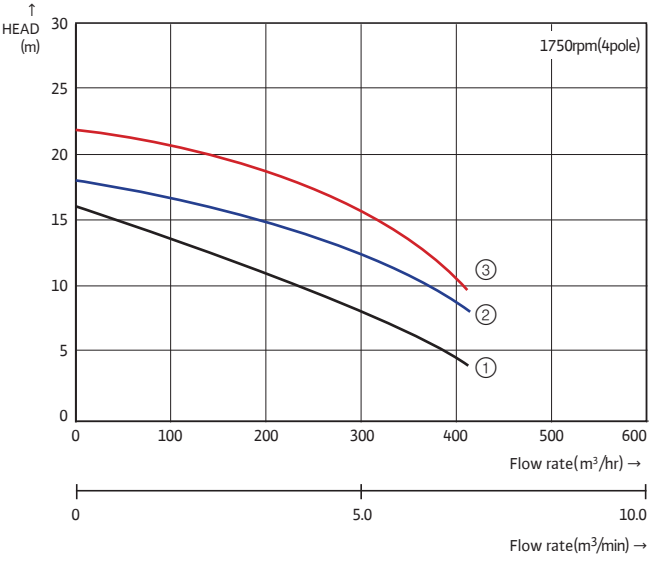
Application

- Drainage and sewage for wastewater from farms as well as human waste
- Drainage and sewage for wastewater and sewage treatment
- Wastewater transport with solid content

Performance curve

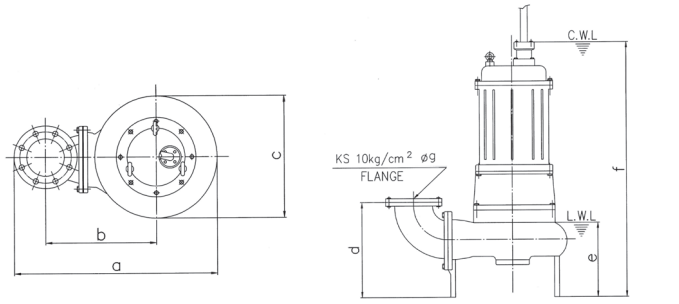


①PDX370I080A ②PDX550I080A ③PDX750I080A
④PDX550I100A ⑤PDX750I100A



①PDX19KI150A ②PDX22KI150A ③PDX30KI150A

Dimension drawing



[mm]

Model	a	b	c	d	e	f	Øg
PDX370I080A	534	320	280	232	314	634	80
PDX550I080A	562		300		335	743	
PDX750I080A							
PDX550I100A	612	340	344	264	226	778	100
PDX750I100A							
PDX19KI150A	863	500	446	400	320	1059	150
PDX22KI150A							
PDX30KI150A							

Technical data

Model	Power Source	Output(kW)	Discharge dia.(mm, inch)	Auto coupling	Total head(m)	Flow rate(m³/h)	Speed(rpm)
PDX370I080A	Three phase 380V 60Hz	3.7(5HP)	80(3″)	ADD-80	9	48	1750
PDX550I080A		5.5(7.5HP)			13	48	
PDX750I080A		7.5(10HP)			16	51	
PDX550I100A		5.5(7.5HP)	100(4″)	ADD-100	8	96	
PDX750I100A		7.5(10HP)			11	96	
PDX19KI150A		18.5(25HP)	150(6″)	ADD-150	10	240	
PDX22KI150A		22(30HP)			14	240	
PDX30KI150A		30(40HP)			18	240	

* Changing voltage available for PDX series(optional)

* 18.5kW(25HP) or/and is Y-Δ Starter(standard)

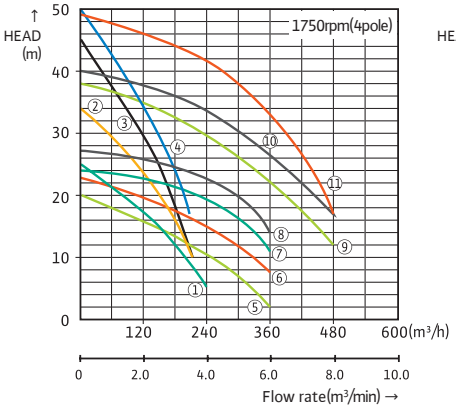
PDG Series

NON – CLOG TYPE

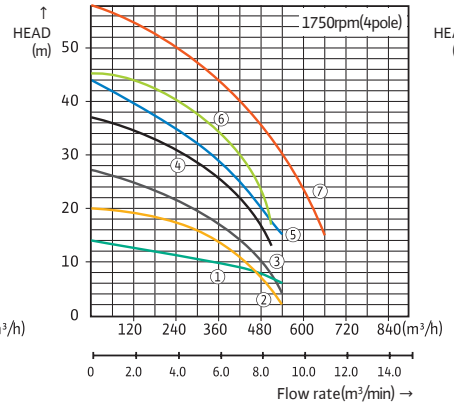
Application

- Drainage and sewage in industrial application
- Drainage and sewage for waste/sewage water treatment
- Drainage and sewage for building facility
- Drainage for combined treatment process

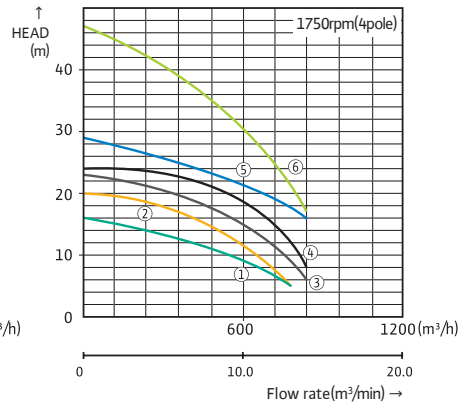
Performance curve



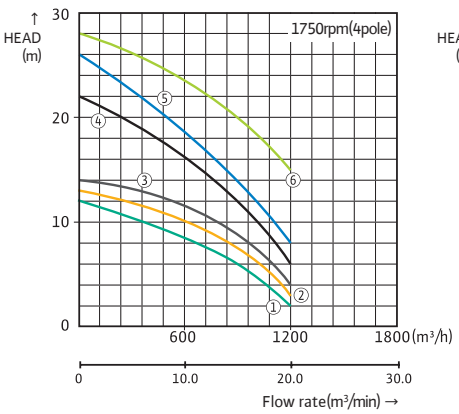
① PDG11KI150A ② PDG15KI150A
③ PDG22KI150A ④ PDG30KI150A
⑤ PDG11KI200A ⑥ PDG15KI200A
⑦ PDG22KI200A ⑧ PDG30KI200A
⑨ PDG37KI200A ⑩ PDG45KI200A
⑪ PDG55KI200A



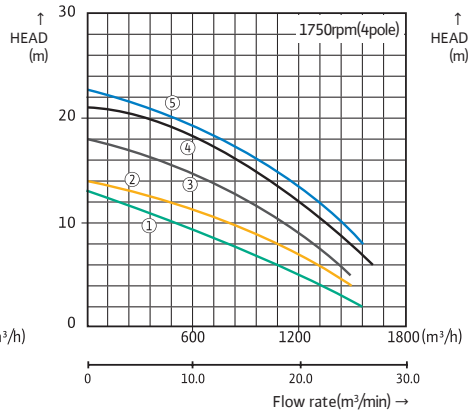
① PDG15KI250A ② PDG22KI250A
③ PDG30KI250A ④ PDG37KI250A
⑤ PDG45KI250A ⑥ PDG55KI250A
⑦ PDG75KI250A



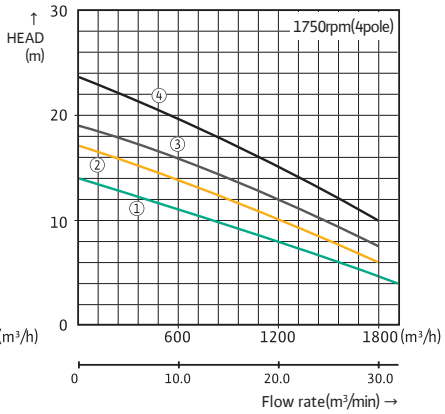
① PDG22KI300A ② PDG30KI300A
③ PDG37KI300A ④ PDG45KI300A
⑤ PDG55KI300A ⑥ PDG75KI300A



① PDG22KI350A ② PDG30KI350A
③ PDG37KI350A ④ PDG45KI350A
⑤ PDG55KI350A ⑥ PDG75KI350A



① PDG30KI400A ② PDG37KI400A
③ PDG45KI400A ④ PDG55KI400A
⑤ PDG75KI400A



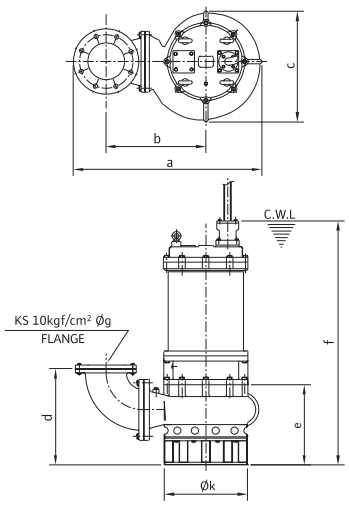
① PDG37KI500A ② PDG45KI500A
③ PDG55KI500A ④ PDG75KI500A

Submersible drainage

PDG Series

NON – CLOG TYPE

Dimension drawing



[mm]

Model	a	b	c	d	Øk	e	f	Øg
PDG11KI150A	850	460	500	435	500	310	983	150
PDG15KI150A								
PDG22KI150A	940	500	600	470	600	430	1133	
PDG30KI150A								
PDG11KI200A	1010	582	546	460	500	320	1006	200
PDG15KI200A								
PDG22KI200A	1015	575	550	520	550	479	1198	
PDG30KI200A								
PDG37KI200A	1030	580	584	500		430	1301	
PDG45KI200A								
PDG55KI200A								
PDG15KI250A	1238	675	750	688	725	600	1279	250
PDG22KI250A	1075	600	550	560	545	480	1198	
PDG30KI250A								
PDG37KI250A	1182	655	653	600	552	480	1378	
PDG45KI250A								
PDG55KI250A								
PDG75KI250A								
PDG22KI300A	1348	795	820	665	552	510	1332	300
PDG30KI300A								

※ Sizes, above, can be changed by product specifications.

Model	a	b	c	d	Øk	e	f	Øg
PDG37KI300A	1430	795	820	665	552	510	1416	300
PDG45KI300A								
PDG55KI300A							1516	
PDG75KI300A								
PDG22KI350A	1735	970	915	772	620	610	1446	350
PDG30KI350A								
PDG37KI350A	1518	835	945	742	875	635	1633	
PDG45KI350A								
PDG55KI350A							1733	
PDG75KI350A							1763	
PDG30KI400A	1593	875	945	875	875	720	1633	400
PDG37KI400A								
PDG45KI400A								
PDG55KI400A							1733	
PDG75KI400A							1963	
PDG37KI500A	2093	1200	1100	1100	1050	840	2366	500
PDG45KI500A						790	2466	
PDG55KI500A							2258	
PDG75KI500A							2466	

Technical data

Model	Power Source	Output (kW)	Total head (m)	Flow rate (m³/h)	Speed (rpm)	Diameter (mm)
PDG11KI150A	Three phase 380V 60Hz	11	15.0	150	1750	150
PDG15KI150A		15	20.0			
PDG22KI150A		22	25.0			
PDG30KI150A		30	30.0			
PDG11KI200A		11	9.0	270	1750	200
PDG15KI200A		15	13.0			
PDG22KI200A		22	18.0			
PDG30KI200A		30	22.0			
PDG37KI200A		38	28.0			
PDG45KI200A		45	32.0			
PDG55KI200A		55	40.0			
PDG15KI250A		15	9.0	420	1150	250
PDG22KI250A		22	11.0		1750	
PDG30KI250A		30	14.0			
PDG37KI250A		37	19.0		1750	
PDG45KI250A		45	24.0			
PDG55KI250A		55	30.0			
PDG75KI250A		75	40.0			
PDG22KI300A		22	9.0	600	1150	300
PDG30KI300A		30	11.0			

Model	Power Source	Output (kW)	Total head (m)	Flow rate (m³/h)	Speed (rpm)	Diameter (mm)
PDG37KI300A	Three phase 380V 60Hz	37	15.0	600	1150	300
PDG45KI300A		45	18.0			
PDG55KI300A		55	21.0			
PDG75KI300A		75	31.0			
PDG22KI350A		22	6.0	900	1150	350
PDG30KI350A		30	7.5			
PDG37KI350A		37	9.0			
PDG45KI350A		45	12.0			
PDG55KI350A		55	14.0			
PDG75KI350A		75	20.0			
PDG30KI400A		30	5.0	1200	850	400
PDG37KI400A		37	7.0			
PDG45KI400A		45	9.0		1150	
PDG55KI400A		55	12.0			
PDG75KI400A		75	16.0	1200		
PDG37KI500A		37	5.0	1800	700	500
PDG45KI500A		45	6.0			
PDG55KI500A		55	7.5		850	
PDG75KI500A		75	10.0			

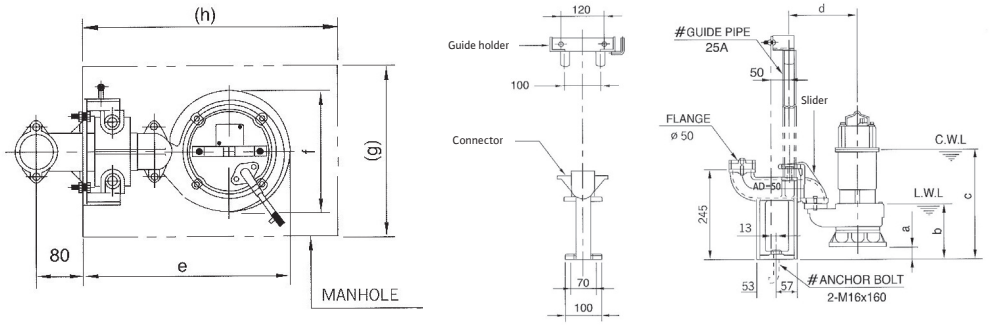
※ Changing voltage available(optional)

※ 15kW(20HP) or/and is Y-Δ Starter(standard)

AD-50/65/80/100/150

Auto Guide Rail System

AD-50

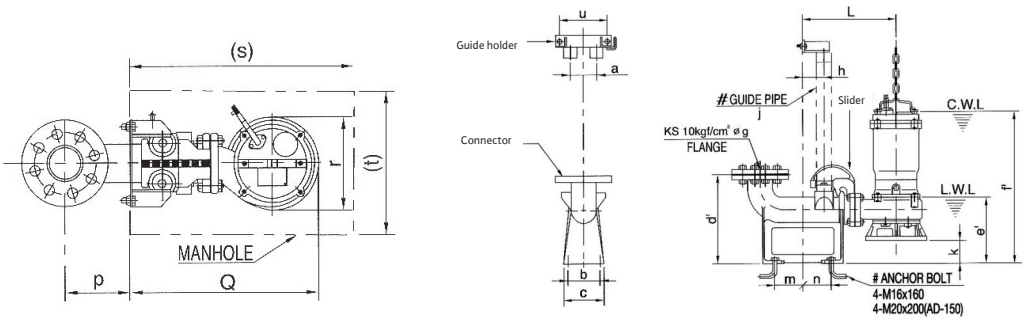


#:out of scope

Pump model	a	b	c	d	e	f	(g)	(h)
PD-401	56	154	342	186	334	171	290	420
PD-751	56	154	357	186	334	171	290	420
PDV-400	59	154	362	186	331	169	290	420
PDV-750	59	154	377	186	331	169	290	420
PDV-752	59	154	354	186	331	169	290	420
PDN-1400	59	198	394	186	365	193	290	450
PD-1500	44	152	471	201	347	199	290	420

*AD-50 isn't not available for PD-1500M/MA

AD-65/80/100/150



: out of scope

Note : Given auto guide rail system shows an example of installation.
Therefore, actual structure of auto guide rail system could be various depending on pump models.

Pump model	Auto coupling	a	b	c	d'	e'	f	Øg	h	j	k	L	m	n	p	Q	r	(s)	(t)	u
PD-2200	AD-65	80	120	150	220	183	502	65	50	32	65	307	95	65	145	413	212	510	350	120
	AD-80	100	120	150	330	223	542	80	80	50	104	350	105	105	160	456		550		180
PD-3701	AD-65	80	120	150	220	203	553	65	50	32	25	374	95	65	145	506	262	560	450	120
	AD-80	100	120	150	330	242	592	80	80	50	64	417	105	105	160	548		600		180
PDN-2200 PDC-2201 PDN-2500 PDC-2500	AD-65	80	120	150	220	207	526	65	50	32	47	307	95	65	145	421	228	510	350	120
	AD-80	100	120	150	330	246	565	80	80	50	86	350	105	105	160	464		550		180
PDV-3700 PDC-3700	AD-65	80	120	150	220	217	564	65	50	32	30	375	95	65	145	541	332	630	500	120
	AD-80	100	120	150	330	256	600	80	80	50	70	418	105	105	160	584		670		180
PDN-5500 PDN-7500	AD-80	100	120	150	330	258	723	80	80	50	69	468	105	105	160	661	388	710	570	180
	AD-100		200	238				100					114	115						
PDN-15K	AD-150	100	235	290	400	339	892	150	80	50	62	588	97	113	190	811	448	900	700	180

Features

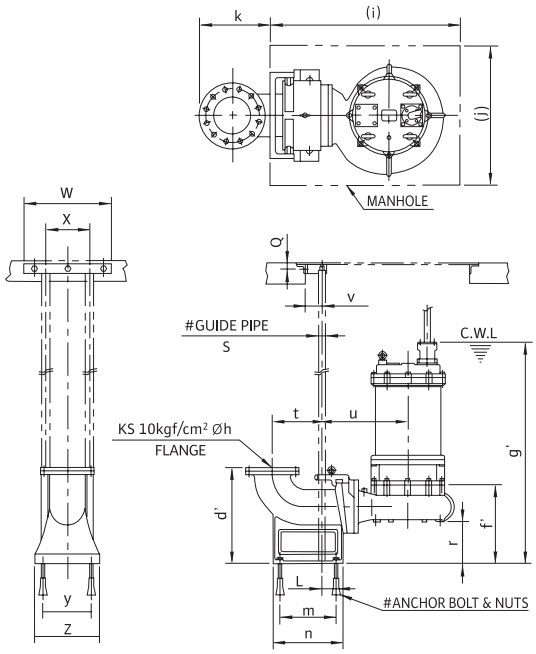
- Available for pump range from 400W to 15kW with auto coupling device (dia 50~150mm)
- Low pressure loss due to the optimized detachable part
- Easy salvage and maintenance

Submersible drainage

ADD-150/200/250/300/350/400/500

Auto Guide Rail System

PDG Series



: out of scope

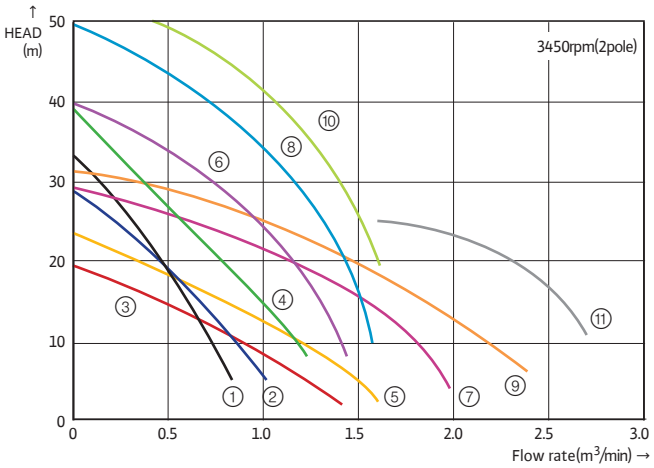
[mm]

Dimensions

Model	Auto coupling	d'	f'	g'	Øh	(i)	(j)	k	L	m	n	Q	r	s	t	u	v	w	x	y	z
PDG11KI150A	ADD-150	480	400	1048	150	1200	850	330	95	300	415	80	215	40A	290	438	100	410	280	300	400
PDG15KI150A																					
PDG22KI150A			410	1163									200			478					
PDG30KI150A																					
PDG11KI200A	ADD-200	550	420	1078	200	1200	850	395	100	350	400	80	222	40A	330	524	100	410	280	300	400
PDG15KI200A																					
PDG22KI200A			450	1208									204			519					
PDG30KI200A																					
PDG37KI200A			460	1336									227			521					
PDG45KI200A																					
PDG55KI200A																					
PDG15KI250A	ADD-250	630	470	1151	250	1400	1200	500	100	430	560	80	146	40A	400	614	100	410	280	360	460
PDG22KI250A			443	1198									194			194					
PDG30KI250A																					
PDG37KI250A			460	1336									205			594					
PDG45KI250A																					
PDG55KI250A																					
PDG75KI250A				1436																	
PDG22KI300A	ADD-300	810	545	1367	300	1500	1200	523	120	470	630	100	267	65A	450	770	150	700	490	500	600
PDG30KI300A																					
PDG37KI300A				1451																	
PDG45KI300A																					
PDG55KI300A				1551																	
PDG75KI300A															480	870				520	640
PDG22KI350A	ADD-300	880	620	1395	350	1600	1200	575	120	470	650	100	242	65A	480	870	150	700	490	520	640
PDG30KI350A																					
PDG37KI350A			630	1502									185			805					
PDG45KI350A																					
PDG55KI350A				1602																	
PDG75KI350A				1833																	
PDG30KI400A	ADD-400	1060	725	1636	400	1700	1200	760	100	550	960	100	320	100A	650	890	170	910	550	600	750
PDG37KI400A																					
PDG45KI400A																					
PDG55KI400A				1736																	
PDG75KI400A				1968																	
PDG37KI500A	ADD-500	1400	1040	2260	500	2000	1500	938	110	800	1100	100	337	100A	780	1100	180	1100	700	800	1000
PDG45KI500A			940	2360																	
PDG55KI500A				2176																	
PDG75KI500A				2360		2100	1600														

PDU Series

Performance curve



①PDU-371IH(F), PDU-371TH(F), PDU-371VH(F)
②PDU-371IM(F),PDU-371TM(F), PDU-371VM(F)
③PDU-371IL(F), PDU-371TL(F), PDU-371VL(F)
④PDU-550IH(F), PDU-550TH(F), PDU-550VH(F)
⑤PDU-550IL(F), PDU-550TL(F), PDU-550VL(F)
⑥PDU-750IH(F), PDU-750TH(F), PDU-750VH(F)
⑦PDU-750IL(F), PDU-750TL(F), PDU-750VL(F)
⑧PDU-11KIH(F), PDU-11KTH(F), PDU-11KVH(F)
⑨PDU-11KIL(F), PDU-11KTL(F), PDU-11KVL(F)
⑩PDU-15KIH(F), PDU-15KTH(F), PDU-15KVH(F)
⑪PDU-15KIL(F), PDU-15KTL(F), PDU-15KVL(F)

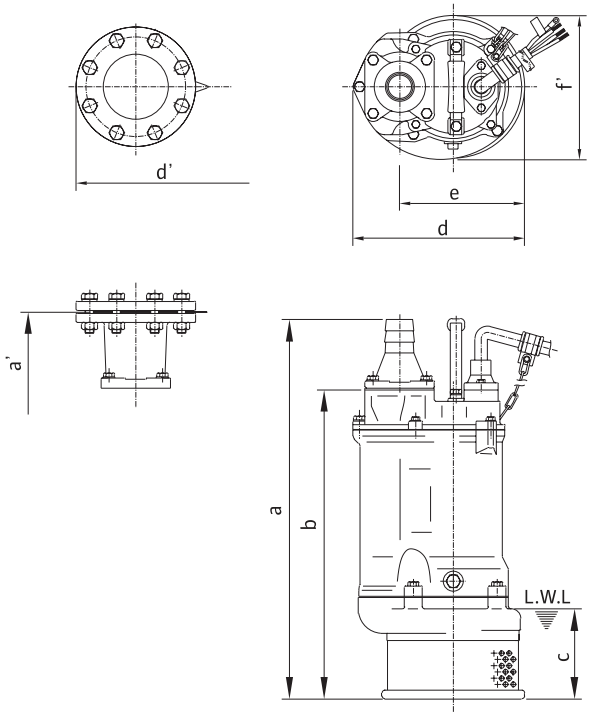
Features

- High performance due to high starting torgue
- Weight lightening and thermal protection due to special design

Application

- Drainage for civil engineering and construction site
- Drainage for tunnel and subway construction site

Dimension drawing



[mm]

Model	a	a'	b	c	d	d'	e	f
PDU-371IH/TH/VH(F)	667	667	543	160	301	301	219	253
PDU-371IM/TM/VM(F)		669						
PDU-371IL/TL/VL(F)		680				324		
PDU-550IH/TH/VH(F)	672	674	549	160	310	317	224	261
PDU-550IL/TL/VL(F)	686	685				330		
PDU-750IH/TH/VH(F)	749	748	612	190	339	358	253	315
PDU-750IL/TL/VL(F)	784	784				393		
PDU-11KIH/TH/VH(F)	791	790	653	190	369	398	293	346
PDU-11KIL/TL/VL(F)	826	826				433		
PDU-15KIH/TH/VH(F)	841	840	703	190	369	398	293	346
PDU-15KIL/TL/VL(F)	876	876				433		

* (F) : flange type(optional)

Submersible sewage

PDU Series

Technical data

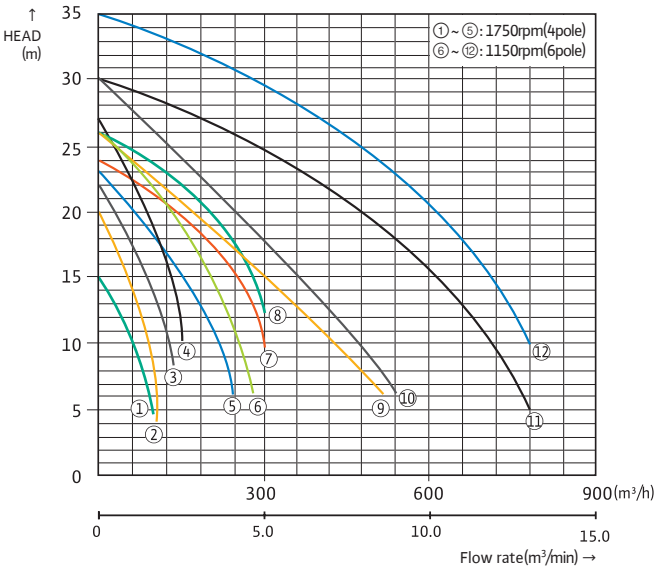
Model	Power Source (Three phase)	Output (kW)	Diameter (mm)	Total head (m)	Flow rate (m^3/min)	Rated current (A)	Bearing		L.W.L (mm)
							Load side	Half load side	
PDU-371IH/371IHF	380V 60Hz	3.7	50	30	0.2	8	6307ZZ	6304ZZ	160
PDU-371IM/371IMF			80	20	0.5				
PDU-371IL/371ILF			100	10	1.0				
PDU-550IH/550IHF		5.5	80	25	0.6	10	6308		
PDU-550IL/550ILF			100	15	1.0				
PDU-750IH/750IHF		7.5	100	30	0.8	14	6309ZZ	6305ZZ	190
PDU-750IL/750ILF			150	15	1.6				
PDU-11KIH/11KIHF		11	100	35	1.0	22		6306ZZ	
PDU-11KIL/11KILF			150	20	1.7				
PDU-15KIH/15KIHF		15	100	40	1.2	34	6310		
PDU-15KIL/15KILF			150	25	2.0				
PDU-371TH/371THF	220V 60Hz	3.7	50	30	0.2	14	6307ZZ	6304ZZ	160
PDU-371TM/371TMF			80	20	0.5				
PDU-371TL/371TLF			100	10	1.0				
PDU-550TH/550THF		5.5	80	25	0.6	19	6308		
PDU-550TL/550TLF			100	15	1.0				
PDU-750TH/750THF		7.5	100	30	0.8	25	6309ZZ	6305ZZ	190
PDU-750TL/750TLF			150	15	1.6				
PDU-11KTH/11KTHF		11	100	35	1.0	38		6306ZZ	
PDU-11KTL/11KTLF			150	20	1.7				
PDU-15KTH/15KTHF		15	100	40	1.2	52	6310ZZ		
PDU-15KTL/15KTLF			150	25	2.0				

* L.W.L: available for operating at minimum residual water level
* Three-phase, 440V, is same specifications as above. (exception: rated current)
* 15kW(20HP) or/and over is Y-△starter(Standard)

PDS Series

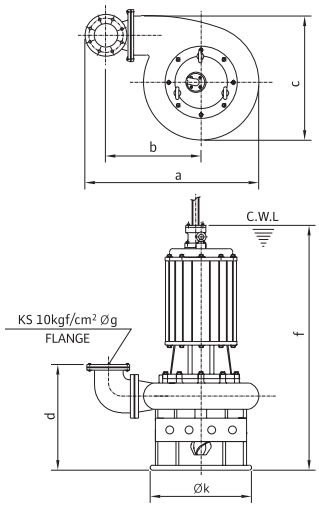
Heavy Duty

Performance curve



① PDS550I1001 ② PDS750I1001 ③ PDS11KI1001
④ PDS15KI1001 ⑤ PDS22KI1001 ⑥ PDS22KI1501
⑦ PDS30KI1501 ⑧ PDS37KI1502 ⑨ PDS45KI1502
⑩ PDS55KI1502 ⑪ PDS75KI2002 ⑫ PDS75KI2502

Dimension drawing



[mm]

Model	a	b	c	d	Øk	f	Øg
PDS550I1001	495	250	365	468	300	645	100
PDS750I1001							
PDS11KI1001	685	390	385	410	370	980	
PDS15KI1001	658	260		415		955	
PDS22KI1001	920	400	650	500	500	1200	
PDS22KI1501							
PDS30KI1501	1100	420	700	575	550	1400	150
PDS37KI1502							
PDS45KI1502							
PDS55KI1502							
PDS75KI2002	1300	350	800	600		1600	200
PDS75KI2502							250

Technical data

Model	Power Source	Diameter (mm)	Output (kW)	Total head (m)	Flow rate (m³/h)	Speed (rpm)
PDS550I1001	Three phase 380V 60Hz	ø100	5.5	10	60	1750
PDS750I1001			7.5	12	72	
PDS11KI1001			11	15	90	
PDS15KI1001			15	20	90	
PDS22KI1001			22	15	150	
PDS22KI1501		ø150	22	15	192	1150
PDS30KI1501			30	18	192	
PDS37KI1502			37	20	192	
PDS45KI1502			45	15	300	
PDS55KI1502			55	15	360	
PDS75KI2002		ø200	75	20	480	
PDS75KI2502		ø250	75	25	480	

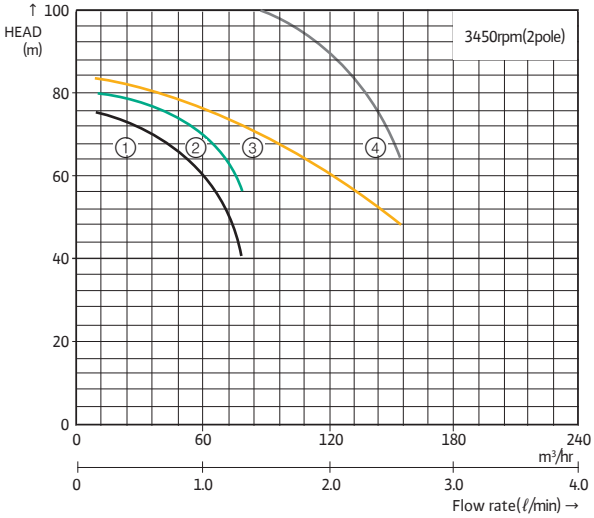
※Changing voltage available(optional)

Submersible sewage

PDH Series

High Head Type

Performance curve



① PDH22KI100A ② PDH30KI100A
③ PDH45KI150A ④ PDH75KI150A

Application

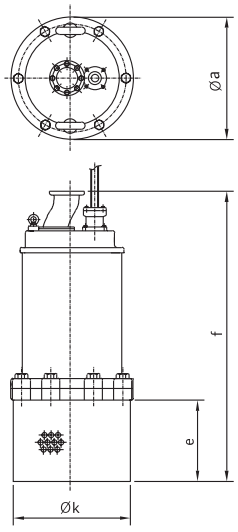
- Drainage for long distance
- Drainage for mining as well as dam
- Drainage for civil engineering and construction site

Technical data

Model	Power Source	Diameter (mm)	Output (kW)	Total head (m)	Flow rate (m³/h)	Speed (rpm)
PDH22KI100A	Three phase 380V 60Hz	ø100	22	60	60	3450
PDH30KI100A			30	70	60	
PDH45KI150A		ø150	45	60	150	
PDH75KI150A			75	105	120	

※Changing voltage available(optional)　※22kW(30HP) and over is Y-△starter(Standard)

Dimension drawing



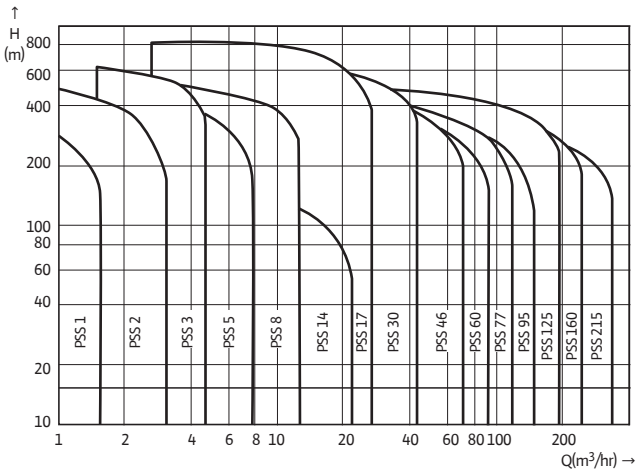
[mm]

Model	Øa	e	f	Øk
PDH22KI100A	486	305	1208	467
PDH30KI100A				
PDH45KI150A	620	310	1308	551
PDH75KI150A				

PSS Series

Stainless Steel Impeller Type

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 dia.	
	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		
PSS-17 Series	1	220	1.1~2.2	1.5~3	65	2 1/2″
	3	380	1.1~45	1.5~60		
PSS-30 Series	1	220	1.5	2	80	3 1/4″
	3	380	1.5~55	2~75		
PSS-46 Series	1	220	1.5~2.2	2~3	100	4
	3	380	1.5~55	2~75		
PSS-60 Series	1	220	2.2	3		
	3	380	2.2~75	3~100		
PSS-77 Series	3	380	5.5~93	7.5~125	125	5
PSS-95 Series	3	380	5.5~93	7.5~125		
PSS-125 Series	3	380	11~185	15~250	150	6
PSS-160 Series	3	380	11~185	20~250		
PSS-215 Series	3	380	22~225	30~300		

Submersible borehole

PSB Series

Plastic Impeller Type

PSB 4" Series

Features

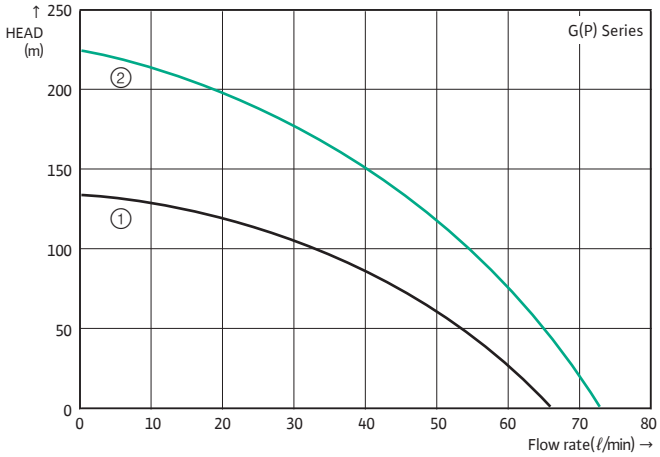
- Engineering plastic impeller
- High performance and efficiency
- Easy installation and maintenance
- Easy replacement of existing pump

Application

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

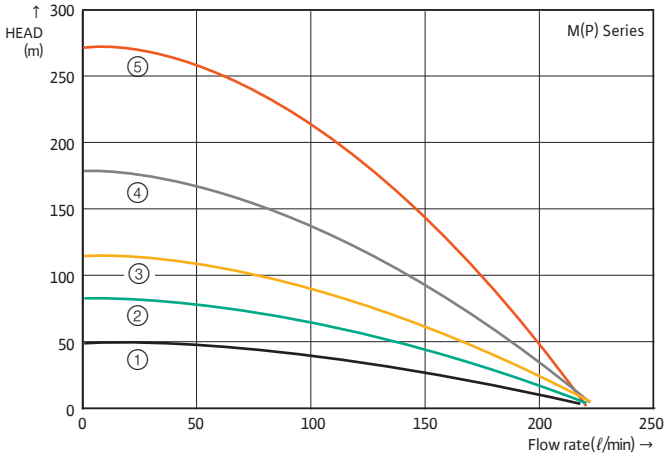
Performance curve

• PSB 4" G(P) Model



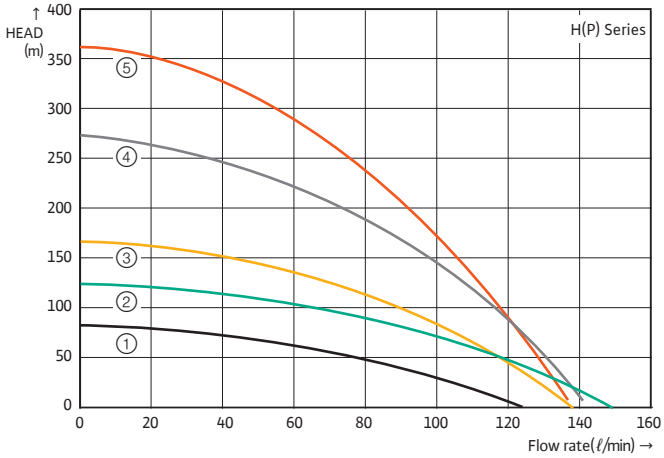
①PSB-1012/1033GP(14) ②PSB-2012/2032/2033GP(24)
*( ): number of stages

• PSB 4" M(P) Model



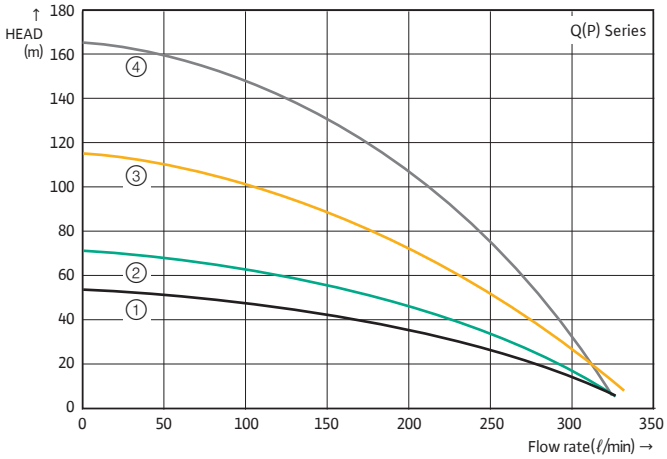
①PSB-1012/1033MP(6) ②PSB-2012/2032/2033MP(10)
③PSB-3012/3032/3033MP(14) ④PSB-5532/5533M(22)
⑤PSB4-7532/7533M(34)
*( ): number of stages

• PSB 4" H(P) Model



①PSB-1012/1033HP(8) ②PSB-2012/2032/2033HP(13)
③PSB-3012/3032/3033HP(17) ④PSB-5532/5533H(28)
⑤PSB4-7532/7533H(37)
*( ): number of stages

• PSB 4" Q(P) Model



①PSB-2012/2032/2033QP(6) ②PSB-3012/3032/3033QP(8)
③ PSB-5532/5533Q(13) ④ PSB4-7532/7533Q(19)
*( ): number of stages

PSB Series

Plastic Impeller Type

PSB 4" Technical data

Series	Model	Single phase	Power Source		Rated output		Max. Head	Rated flow rate		Discharge dia.		Dimension drawing(mm)	
			Phase	Voltage	kW	HP	m	Hd(m)	Q(ℓ/min)	mm	inch	Diameter	Length
G(P)	PSB-1012GP	14	1	220V	0.75	1	130	90	35	32	1 1/4	101	825
	PSB-1033GP	14	3	380V									795
	PSB-2012GP	24	1	220V	1.5	2	210	150	35				1,149
	PSB-2032, 2033GP	24	3	220, 380V									1,114
H(P)	PSB-1012HP	8	1	220V	0.75	1	80	45	80	32	1 1/4	101	685
	PSB-1033HP	8	3	380V									655
	PSB-2012HP	13	1	220V	1.5	2	125	80	80				930
	PSB-2032, 2033HP	13	3	220, 380V									895
	PSB-3012HP	17	1	220V	2.2	3	165	105	80				1,115
	PSB-3032, 3033HP	17	3	220, 380V									1,060
	PSB-5532, 5533H	28	3	220, 380V	4	5.5	260	200	70				1,535
	PSB4-7532, 7533H	37	3	220, 380V	5.5	7.5	360	230	80				1,925
M(P)	PSB-1012MP	6	1	220V	0.75	1	49	28	130	40	1 1/2	101	688
	PSB-1033MP	6	3	380V									658
	PSB-2012MP	10	1	220V	1.5	2	81	47	130				898
	PSB-2032, 2033MP	10	3	220, 380V									863
	PSB-3012MP	14	1	220V	2.2	3	113	75	120				1,086
	PSB-3032, 3033MP	14	3	220, 380V									1,031
	PSB-5532, 5533M	22	3	220, 380V	4	5.5	178	110	120				1,485
	PSB4-7532, 7533M	34	3	220, 380V	5.5	7.5	270	180	120				2,025
Q(P)	PSB-2012QP	6	1	220V	1.5	2	50	32	180	50	2	101	925
	PSB-2032, 2033QP	6	3	220, 380V									890
	PSB-3012QP	8	1	220V	2.2	3	65	45	180				1,260
	PSB-3032, 3033QP	8	3	220, 380V									1,205
	PSB-5532, 5533Q	13	3	220, 380V	4	5.5	110	70	180				1,500
	PSB4-7532, 7533Q	19	3	220, 380V	5.5	7.5	160	110	180				1,950

* Separate model for 3-phase 220V and 380V.
ex) PSB-2032GP for 220V, PSB-2033GP for 380V

PSB 4" Flow rate at specific head

Series	Model	Rated output		Rated flow rate		Flow rate at specific head(m)																	
		kW	HP	Hd(m)	Q(ℓ/min)	20	30	40	50	60	70	80	100	120	140	150	180	200	220	250	280	300	320
G(P)	PSB-1012GP	0.75	1	90	35			55	52	48	44	40	30										
	PSB-1033GP							55	52	48	44	40	30										
	PSB-2012GP	1.5	2	150	35					60	57	55	50	46	40	38	21						
	PSB-2032, 2033GP									60	57	55	50	46	40	38	21						
H(P)	PSB-1012HP	0.75	1	45	80		92	85	78	56	35												
	PSB-1033HP						92	85	78	56	35												
	PSB-2012HP	1.5	2	80	80			110	105	97	90	80	56										
	PSB-2032, 2033HP							110	105	97	90	80	56										
	PSB-3012HP	2.2	3	105	80					110	104	100	83	68	40								
	PSB-3032, 3033HP									110	104	100	83	68	40								
	PSB-5532, 5533H	4	5.5	200	70								120	115	108	100	90	88	59				
	PSB4-7532, 7533H	5.5	7.5	230	80									108	104	100	92	88	80	75	60	50	40
M(P)	PSB-1012MP	0.75	1	28	130	165	140	85															
	PSB-1033MP					165	140	85															
	PSB-2012MP	1.5	2	47	130		170	152	131	106	74												
	PSB-2032, 2033MP						170	152	131	106	74												
	PSB-3012MP	2.2	3	75	120			170	161	147	131	113	70										
	PSB-3032, 3033MP							170	161	147	131	113	70										
	PSB-5532, 5533M	4	5.5	110	120					170	167	159	139	118	92	77							
	PSB4-7532, 7533M	5.5	7.5	180	120							170	165	160	140	135	120	100	80				
Q(P)	PSB-2012QP	1.5	2	32	180	260	200	130															
	PSB-2032, 2033QP					260	200	130															
	PSB-3012QP	2.2	3	45	180	270	240	205	160	90													
	PSB-3032, 3033QP					270	240	205	160	90													
	PSB-5532, 5533Q	4	5.5	70	180			250	240	210	184	153											
	PSB4-7532, 7533Q	5.5	7.5	110	180					260	245	230	200	156	105								

Submersible borehole

PSB Series

Plastic Impeller Type

PSB 6" Series

Features

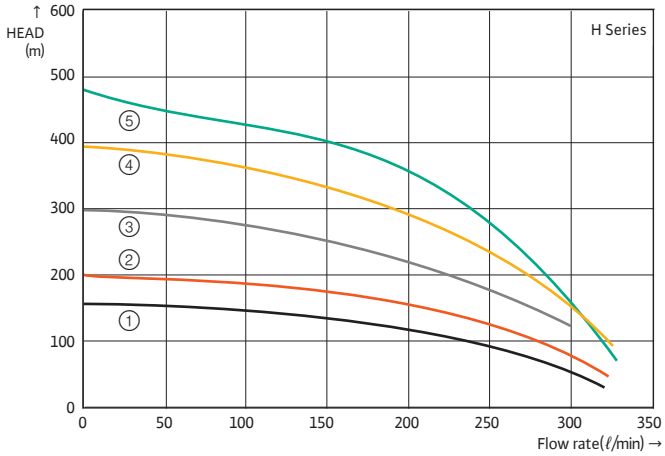
- Engineering plastic impeller
- High performance and efficiency
- Easy installation and maintenance
- Easy replacement of existing pump

Application

- Underground water supply and boosting
- Industrial: Textile, steel, leather, plating, beverage, food industry
- Agricultural: Well, irrigation, farm, green house
- Potable water: Apartment, hotel, high-rise building, school, hospital
- Emergency/firefighting/sprinkler use: School, fire station, civil defense

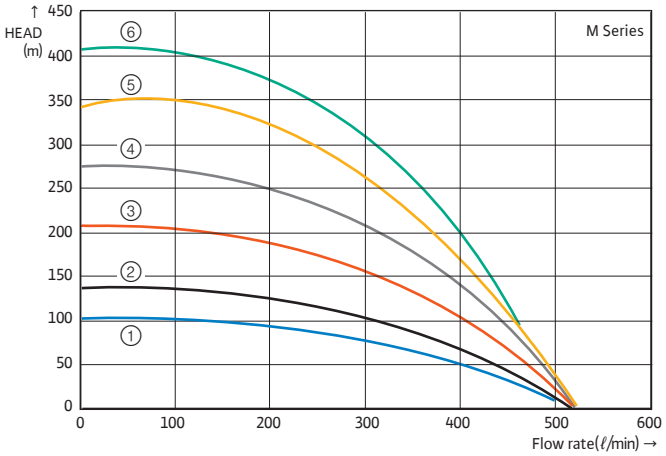
Performance curve

• PSB 6" H Model



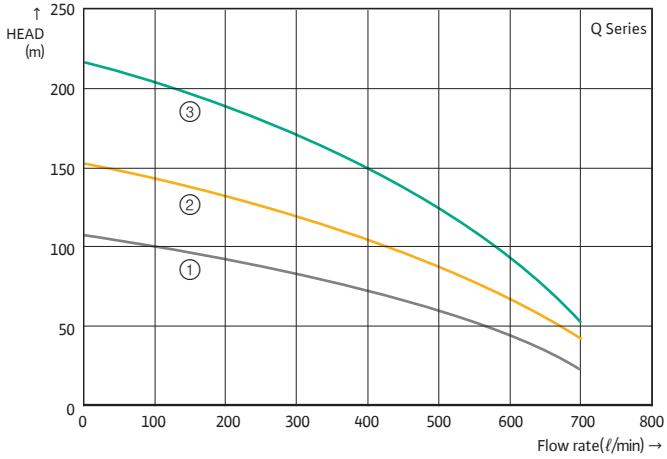
①PSB-7532/7533H(8) ②PSB-10033H(10)
③PSB-15033H(15) ④PSB-20033H(20)
⑤PSB-25033H(24)
* ( ): number of stages

• PSB 6" M Model



①PSB-7532/7533M(6) ②PSB-10033M(8)
③PSB-15033M(12) ④PSB-20033M(16)
⑤PSB-25033M(20) ⑥PSB-30033M(24)
* ( ): number of stages

• PSB 6" Q Model



①PSB-10033Q(5) ②PSB-15033Q(7)
③PSB-20033Q(10)
* ( ): number of stages

PSB Series

Plastic Impeller Type

PSB 6" Technical data

Series	Model	Stages	Power source		Rated output		Max. Head	Rated flow rate		Discharge dia.		Dimension drawing(mm)	
			Phase	Voltage	kW	HP	m	Hd(m)	Q(ℓ/min)	mm	inch	Diameter	Length
H	PSB-7532H	8	3	220V	5.5	7.5	155	110	160	65	2 1/2	145	1,278
	PSB-7533H	8		380V	5.5	7.5	155	110	160				1,278
	PSB-10033H	10		380V	7.5	10	195	140	200				1,432
	PSB-15033H	15		380V	11	15	290	210	200				1,757
	PSB-20033H	20		380V	15	20	390	280	200				2,047
	PSB-25033H	24		380V	18.5	25	450	320	200				2,367
M	PSB-7532M	6	3	220V	5.5	7.5	100	70	280	65	2 1/2	145	1,177
	PSB-7533M	6		380V	5.5	7.5	100	70	280				1,177
	PSB-10033M	8		380V	7.5	10	130	100	300				1,332
	PSB-15033M	12		380V	11	15	200	150	300				1,607
	PSB-20033M	16		380V	15	20	265	200	300				1,847
	PSB-25033M	20		380V	18.5	25	330	250	300				2,167
	PSB-30033M	24		380V	22	30	380	270	270				2,417
Q	PSB-10033Q	5	3	380V	7.5	10	105	55	500	80	3	145	1,333
	PSB-15033Q	7		380V	11	15	150	85	500				1,522
	PSB-20033Q	10		380V	15	20	215	120	500				1,733

PSB 6" Flow rate at specific head

Series	Model	Flow rate at specific head(m)																			
		40	50	60	70	80	100	120	140	150	180	200	220	250	280	300	320	350	380	400
H	PSB-7532/7533H	300	290	275	260	250	220	175	100											
	PSB-10033H				300	280	260	230	210	180	100									
	PSB-15033H							290	270	260	240	210	190	140						
	PSB-20033H									290	275	265	250	230	200	170	150	100		
	PSB-25033H								300	290	280	275	267	250	240	230	200	180	150	132
M	PSB-7532/7533M	419	380	360	300	280														
	PSB-10033M	440	420	400	380	350	300	200												
	PSB-15033M					420	396	360	310	300	200									
	PSB-20033M						430	410	380	360	340	300	260							
	PSB-25033M								430	390	368	347	330	300	257	220				
	PSB-30033M										396	382	370	350	316	300	260	220		
Q	PSB-10033Q	600	550	470	410	300														
	PSB-15033Q			600	570	530	420	270												
	PSB-20033Q					620	570	500	440	380										

Inverter and switch box for borehole pump

Accessories for borehole pump

Inverter for borehole pump

Switch box for borehole pump

Switch box for borehole pump

Technical data

- Application: switch box of 1~3HP, single-phase, 220V, 60Hz
- Automatic/manual reset of thermal OLP(Over Load Protection)
- Size(mm) : 142(W) x 212(H) x 104 (D)

	Switch capacitor	Operating capacitor
1HP	100uF/250V	
2HP	200uF/250V	20uF/400V
3HP	200uF/250V	45uF/400V

Inverter for borehole pump

Application

- Inverter for borehole pump; variable speed control for single-phase 1~2HP and three-phase 1~3HP

Feature

- User-friendly interface: easy operation with 3inch LCD display and red button
- Durability: maintaining temperature by cooling fan at the bottom
- Energy saving: controlling speed with inverter
- Safe to use: static pressure control and speed control(24~60Hz)
- Automatic/manual reset of thermal OLP(Over Load Protection)
- Weight lightening: easy transportation, installation, and maintenance

Installation

- BI-L1012: Single-phase, 220V / below 0.75kW
  Three-phase, 220V / below 1.5kW
- BI-L2012: Single-phase, 220V / below 1.5kW
  Three-phase, 220V / below 2.2kW

Technical data

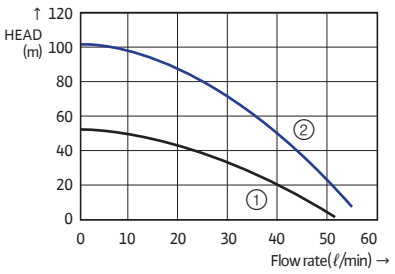
Model	Inverter input	Inverter output	Applied motor	Max. output current
BI-L1012(P)	Single phase 220V	Single phase 1HP	0.75 kW	13 A
		Three phase 2HP	1.5 kW	8 A
BI-L2012(P)	Single phase 220V	Single phase 2HP	1.5 kW	16 A
		Three phase 3HP	2.2 kW	10 A

Dimension drawing • 160(W) x 120(H) x 210(D)

PS3 Series

Plastic Impeller Type

Performance curve



①PS3-0512H ②PS3-1012H

Features

- Durability due to brass head and base
- Rare malfunction due to normal speed(3400rpm)
- Higher flowrate compared to PC models(max. flowrate 60LPM)
- Energy saving due to high efficiency and head

Application

- 3inch borehole pump(for small wells)
- Underground water for household or agriculture
- For higher flowrate

Flow rate at specific head

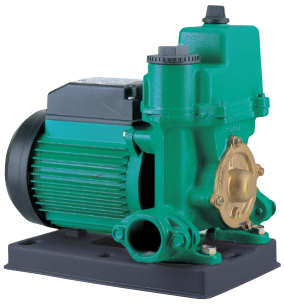
Model	Output	Max. Head	Unit	Flow rate at specific head								
				10m	20m	30m	40m	50m	60m	70m	80m	90m
PS3-0512H	0.5HP	50m	ℓ/min		45	38	20					
			m³/day		65	55	39					
PS3-1012H	1HP	100m	ℓ/min				45	42	36	32	20	
			m³/day				65	60	52	46	29	

Technical data

Model	Power Source			Rated output		Min. diameter of the borehole		Discharge dia.		Dimension drawing(mm)		Weight
	Phase	Voltage	Frequency	kW	HP	mm	inch	mm	inch	Diameter	Length	kg
PS3-0512H	Single phase	220V	60Hz	0.37	0.5	80	3	25	1	74	852	9.5
PS3-1012H	Single phase	220V	60Hz	0.75	1	80	3	25	1	74	1,240	12.5

PW-200M, 350M, 351M, 600M, C200M, C350M, C351M, C600M

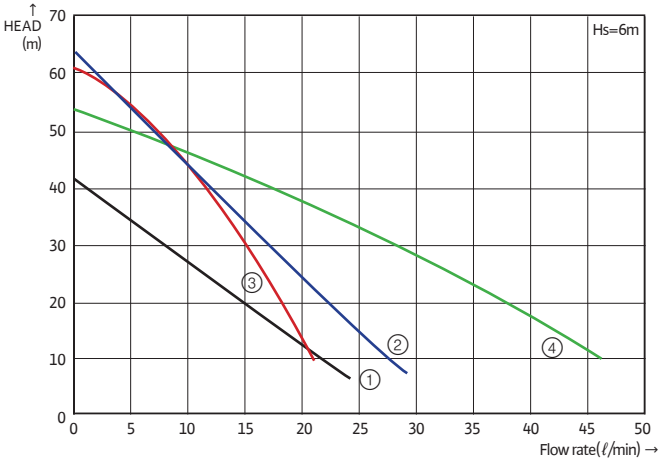
Self priming pump



PW-200/350/351/600M

PW-C200/C350/C351/C600M

Performance curve



① PW-200M/C200M
② PW-350M/C350M
③ PW-351M/C351M
④ PW-600M/C600M

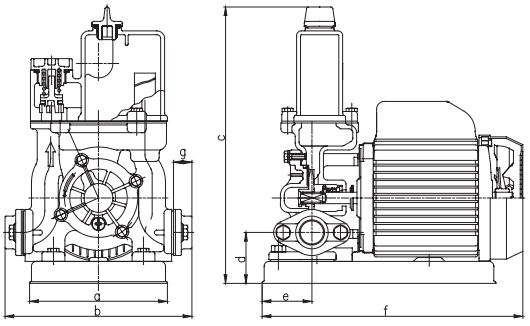
Features

- Saving electric light rates due to high efficiency design
- Improving noise level and motor temperature level
- Applying totally-enclosed motor
- Easy assembly and disassembly
- Applying high efficiency cooling fan and radiation fin type motor (maximizing motor cooling efficiency)

Application

- Boosting for housing
- Water supply

Dimension drawing



[mm]

Model	a	b	c	d	e	f	g
PW-200M/C200M	146	193	239	49	49	216	20
PW-350M/C350M		201	276	55		262	22
PW-351M/C351M							
PW-600M/C600M	175	230	278	44	67	280	26

Technical data

Model	Power Source	Output (W)	Total head (m)	Suction head (m)	Discharge head (m)	Max. flow rate (ℓ/hr)
PW-200M/C200M	Single phase 220V 60Hz	200	21	8	13	1,800(Hs=0.5m)
PW-350M/C350M		350	32		24	2,100(Hs=0.5m)
PW-351M/C351M						
PW-600M/C600M		600	36		28	3,300(Hs=0.5m)

* PW-352M: same as PW-351M but base plate excluded

Multi Purpose application

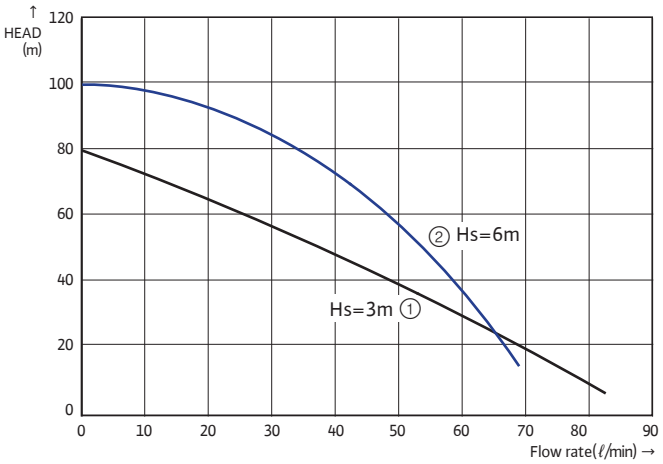
PW-952M, 2200M/I, C952M, C2200M/I

Self priming pump

PW-952M, 2200M/I

PW-C952M, C2200M/I

Performance curve



①PW-952M, C952M ② PW-2200M/I, C2200M/I

Features

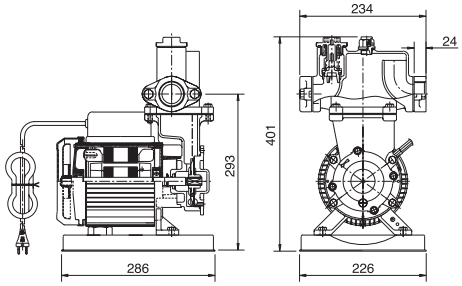
- Saving electric light rates due to high efficiency design
- Improving noise level and motor temperature level
- Applying totally-enclosed motor
- Easy assembly and disassembly
- Applying high efficiency cooling fan and radiation fin type motor (maximizing motor cooling efficiency)

Application

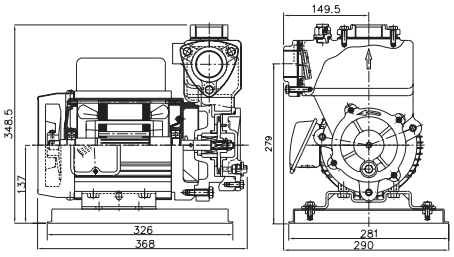
- Boosting for housing
- Water supply

Dimension drawing

PW-952M, C952M [mm]



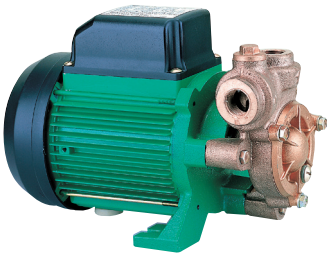
PW-2200M/I, C2200M/I



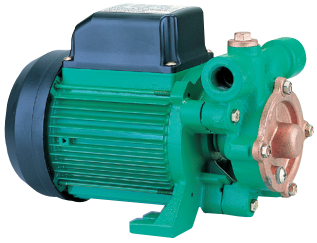
Technical data

Model	Power Source	Output (W)	Total head (m)	Suction head (m)	Discharge head (m)	Max. flow rate (ℓ/hr)
PW-952M, C952M	Single phase 220V 60Hz	950	38	8	30	5,400(Hs=0.5m)
PW-2200M, C2200M	Single phase 220V 60Hz	2,200	63	8	55	6,600(Hs=0.5m)
PW-2200I, C2200I	Three phase 220/380V 60Hz					

PWN-350M, 351M, 352M



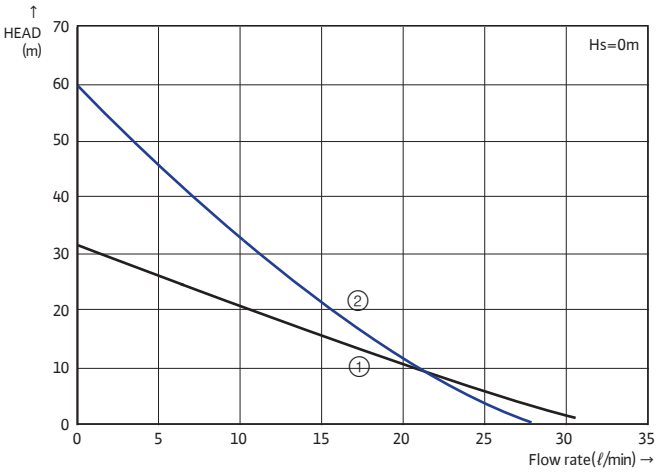
PWN-350M



PWN-351M

PWN-352M

Performance curve



①PWN-350M ② PWN-351M, PWN-352M

Features

- Applying clean water due to corrosion resistance materials for wet part (but no water purifier function) (PWN-350M)
- Long life cycle and easy installation due to simple structure

Application

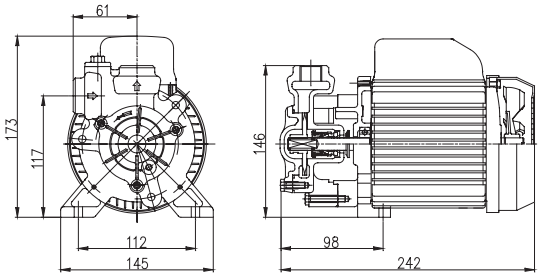
- Component parts for vending machine(PWN-350M)
- Component parts for boiler and industrial washing machine(PWN-351/352M)

Technical data

Model	Power Source	Output (W)	Discharge head (m)	Max. flow rate (ℓ/hr)
PWN-350M	Single phase 220V	350	22	1,600
PWN-351M PWN-352M			32	1,800

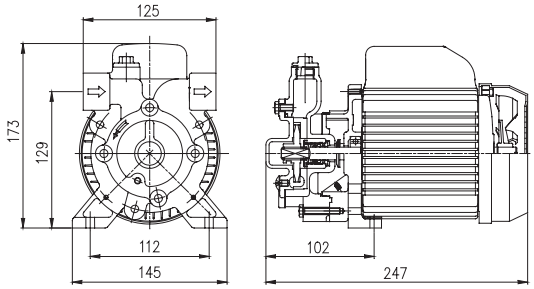
Dimension drawing

PWN-350M

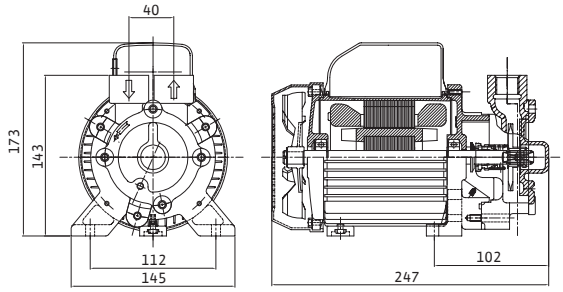


PWN-351M

[mm]



PWN-352M

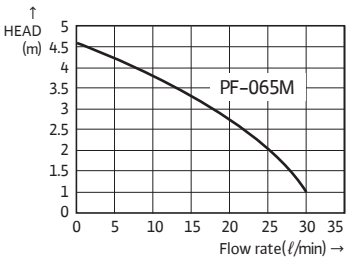


Multi Purpose application

PF-065M

PF-065M

Performance curve

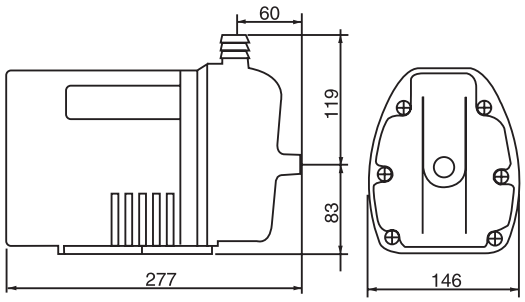


Application

• Flower gardening, car washing and washing machine(multi purpose)

Dimension drawing

[mm]



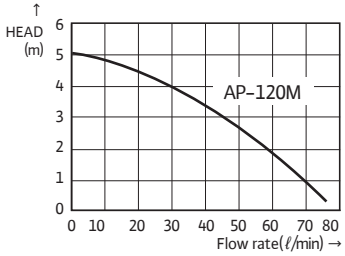
Technical data

Model	Power Source	Output (W)	Total head (m)	Suction head (m)	Discharge head (m)	Max. flow rate (ℓ/hr)
PF-065M	Single phase 220V	40	4	1	3	1,800

AP-120M

Multi purpose

Performance curve



Features

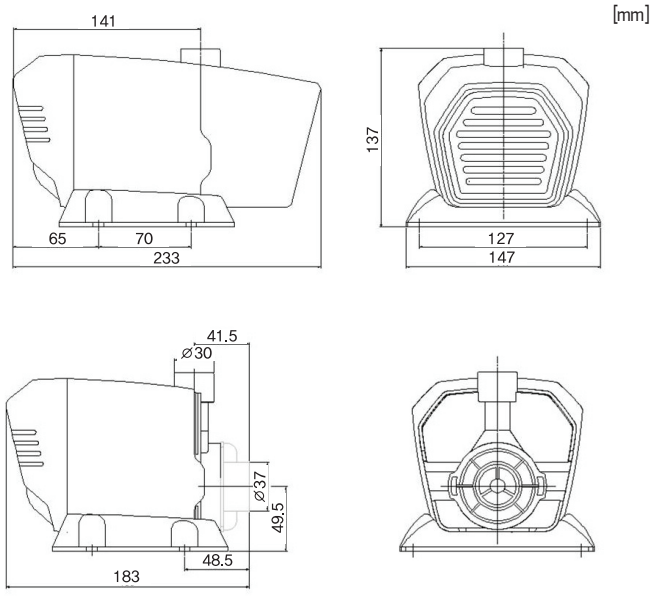
• Preventing rust due to corrosion resistance materials(include seawater)
• No leakage due to non-seal type
• Possible to install underwater and above ground
• Motor protection level : IPX8

Application

• Aquarium(at home/ for sushi), multipurpose circulation
• Fountain, pond
• Gardening

Dimension drawing

[mm]



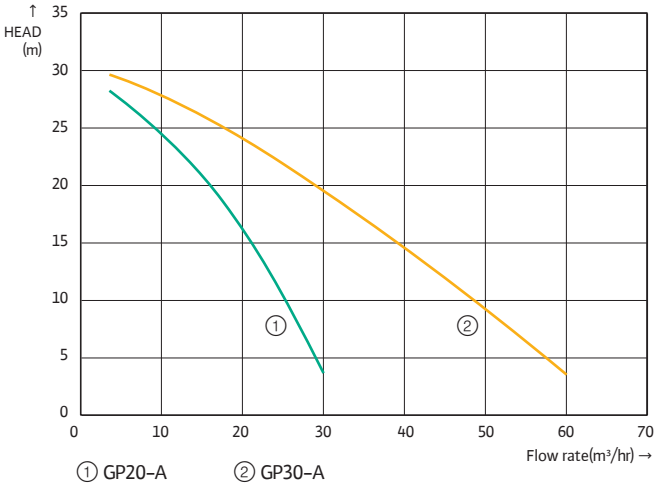
Technical data

Model	Power Source	Power consumption (W)	Total head (m)	Max. flow rate (ℓ/hr)
AP-120M	Single phase 220V	130	5	4,800

GP Series

Engine pump

Performance curve



Features

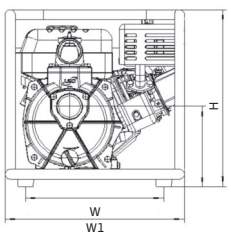
- Durability due to reinforced aluminum pump body
- Cooling fan integrated structure maintaining optimal engine oil temperature
- Better sealing effect due to special mechanical seal
- Various outlet direction providing site specific use
- Weight lightening due to compact design
- Fuel saving due to less gasoline consumption

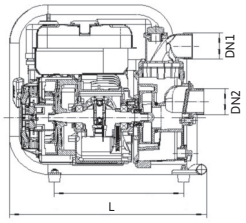
Application

- Emergency recovery: flood and drainage
- Agricultural: Field irrigation
- Industrial: Industrial water supply

Dimension drawing

[mm]





Model	DN1	DN2	L	W	H	L1	W1	H1
GP20-A	50	50	462	397.5	405.5	306.5	302.5	181
GP30-A	80	80	462	397.5	405.5	306.5	302.5	189

Technical data

Model	Diameter (mm, inch)	Max. flow rate (m^3/hr)	Max. Head (m)	Suction head (m)	Engine type (m)	Rated output (HP)	Ignition	Displacement (cc)	Speed	Fuel tank volume (ℓ)	Oil tank volume(ℓ)	Starting method	Fuel
GP20-A	50(2")	30	27	8	One cylinder, 4 stroke, air cooling, OHV	5.5	TCI	163	3600rpm	2.8	0.55	re-coil starter	gasoline
GP30-A	80(3")	60				6.5		196					

Multi Purpose application

PUN-350M, 600M, 951M, 990M, 1850M/U/I

Agricultural/Industrial application

PUN-350M

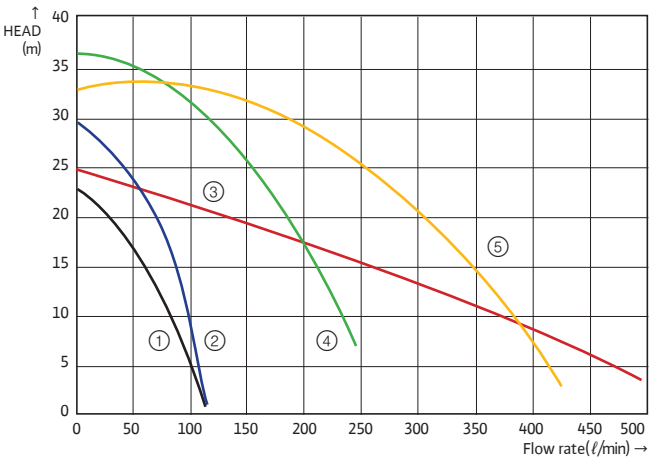
PUN-600M

PUN-951M

PUN-990M

PUN-1850M/U/I

Performance curve



①PUN-350M ②PUN-600M ③PUN-951M
④PUN-990M ⑤PUN-1850M/U/I

Features

- Improving efficiency up to 10%
- Optimal performance for agricultural and sprinkler system
- Compact and weight lightening design
- Self-priming available(Max.3m) with foot valve

Application

- sprinkler, irrigation and general boosting application

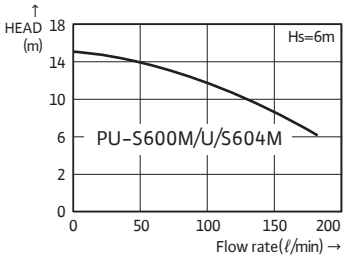
Technical data

Model	Power Source	Output (W)	Power consumption (W)	Max. flow rate (ℓ/min)	Max. Head (m)	Diameter (mm,inch)
PUN-350M	Single phase 220V 60Hz	350	490	100	20	25(1")
PUN-600M		600	880	110	28	32(1 1/4")
PUN-951M		950	1,600	480	22	50(2")
PUN-990M		990	1,900	250	37	32(1 1/4")
PUN-1850M		1,850	2,400	420	32	50(2")
PUN-1850U	Three phase 380V 60Hz					
PUN-1850I	Three phase 220/380V 60Hz					

PU-S600M/S600U/S604M

Sea water application

Performance curve



Total head | Suction head | Discharge head | Max. suction head | Max. flow rate

Features

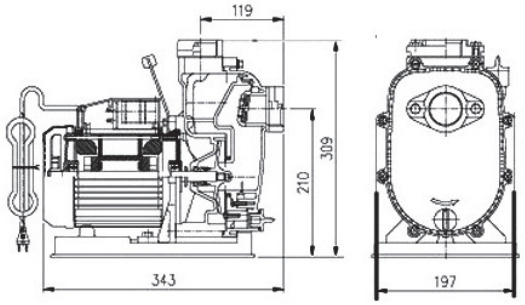
- Weight lightening and easy transportation
- Corrosion resistant due to stainless steel and brass impeller

Application

- Seawater transfer: small aquarium, ship, fish farm, etc.

Dimension drawing

[mm]



Technical data

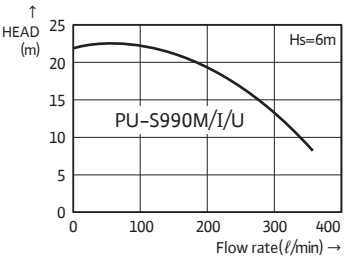
Model	Power Source	Output (W)	Total head (m)	Suction head (m)	Discharge head (m)	Max. suction head (m)	Max. flow rate (ℓ/hr)
PU-S600M	Single phase 220V	600	15	8	7	8	17,220
PU-S600U	Three phase 380V						
PU-S604M	Single phase 220V						

* PU-S604M: stainless steel impeller(STS304), PU-S600M: Brass impeller(C377IBD)

PU-S990M/I/U

Sea water application

Performance curve



Features

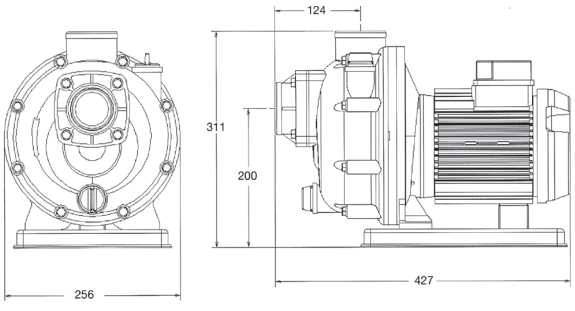
- Long life cycle due to design for seawater
- Improving performance
- Easy maintenance and installation
- Possible to use weak acidic and alkaline application

Application

- Seawater transfer, small aquarium, fish farm
- Greenhouse, flower garden sprinkler

Dimension drawing

[mm]



Technical data

Model	Power Source	Output (W)	Total head (m)	Suction head (m)	Discharge head (m)	Max. suction head (m)	Max. flow rate (ℓ/hr)
PU-S990M	Single phase 220V	990	21	8	13	8	24,000
PU-S990I	Three phase 220V/ 380V						
PU-S990U	Single phase 380V						

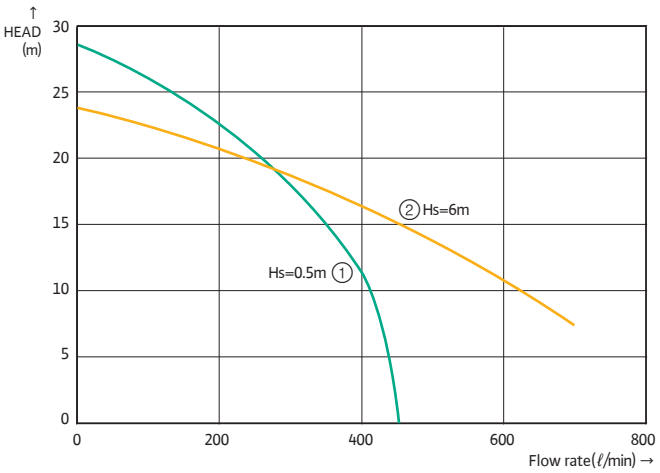
* Material of impeller: stainless steel(STS304)

Sea water application

PU-S1700M/I, S3001M/I

PU-S1700M/I, S3001M/I

Performance curve



①PU-S1700M/I ②PU-S3001M/I

Features

- Corrosion resistance due to stainless steel and engineering plastic for all wet part
- Protecting environment due to corrosion resistance

Application

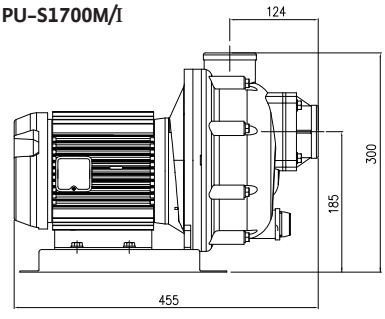
- Seawater transfer: small aquarium, ship, fish farm, etc.
- Greenhouse, flower garden sprinkler

Technical data

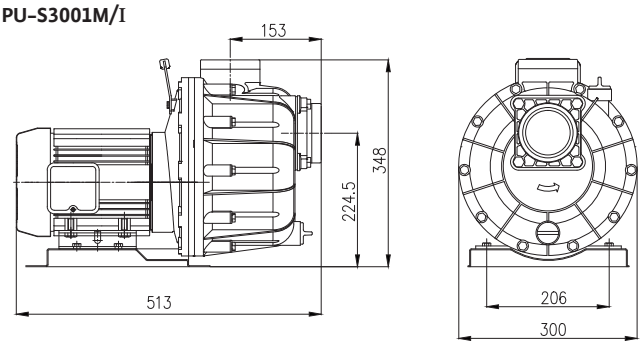
Model	Power Source	Rated output (kW)	Max. Head (m)	Max. flow rate (ℓ/min)	Diameter (mm,inch)
PU-S1700M	Single phase 220V 60Hz	1.7 (2HP)	27	450 (27m³/hr)	50 (2″)
PU-S1700I	Three phase 220/380V 60Hz				
PU-S3001M	Single phase 220V 60Hz	2.2 (3HP)	22	620 (37.2m³/hr)	80 (3″)
PU-S3001I	Three phase 220/380V 60Hz				

Dimension drawing

PU-S1700M/I [mm]



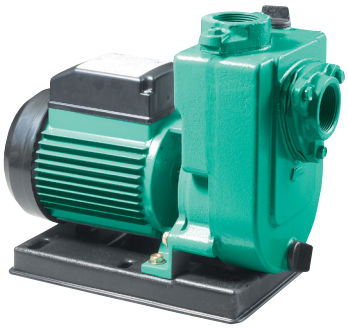
PU-S3001M/I



* Caution: this model is for self-priming and high flow rate pump, thus please refrain from using indoor, due to high noise level(90dB)
* Performance may vary depending on suction head

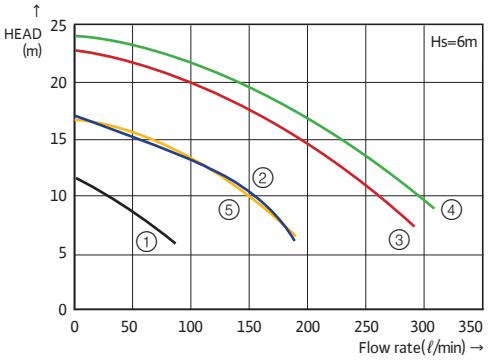
PU-350M, 602M/U, 651M

PU-602M/U



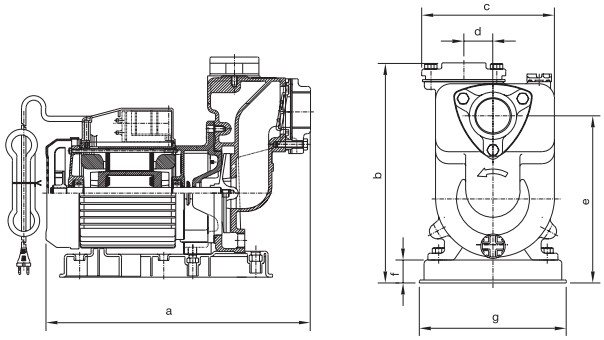
PU-651M

Performance curve



①PU-350M
②PU-602M/U
③PU-951M/952M/956M
④PU-950M/I/U/955M
⑤PU-651M

Dimension drawing



[mm]

Model	a	b	c	d	e	f	g
PU-350M	345	267	150	22	196	23	144
PU-602M/U	346	288	174	38	219	30	192
PU-651M	346	287	167	27	200	30	192

Features

• High cooling efficiency and protecting motor due to enclosed motor

Application

• Greenhouse, flower garden
• Water transfer for agriculture and industry

Technical data

Model	Power Source	Output (W)	Total head (m)	Suction head (m)	Discharge head (m)	Max. Suction head (m)	Max. flow rate (ℓ/hr)
PU-350M	Single phase 220V	350	10	6	4	6.5	9,300
PU-602M	Single phase 220V	600	16	8	8	8.5	17,220
PU-602U	Three phase 380V						
PU-651M	Single phase 220V	600	17	8	9	8.5	17,400

Agricultural/Industrial application

PU-950M/I/U, 951M, 952M, PU-955M, 956M

PU-950M/I/U, 955M

PU-951M, 952M, 956M

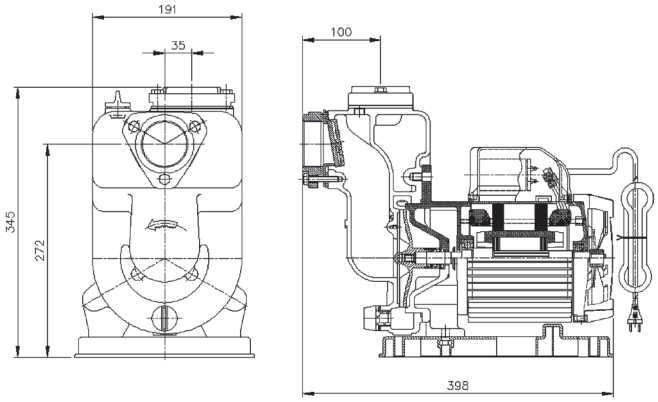
Features

- Designing plug to insert agricultural chemical(PU-950,951,956M)
- Long life cycle due to apply stainless steel wear plate(PU-952M)

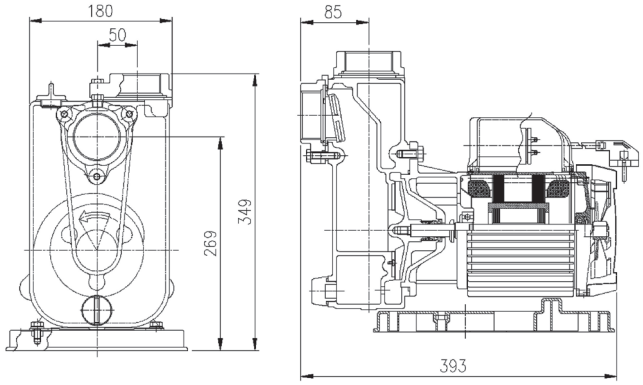
Dimension drawing

[mm]

PU-950M/I/U/955M



PU-951M/952M/956M



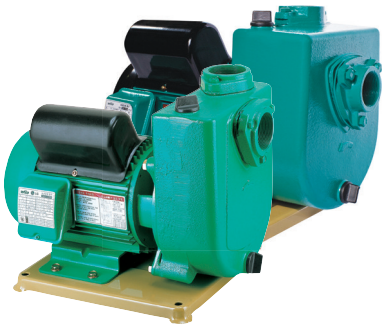
Technical data

Model	Power Source	Output (W)	Total head (m)	Suction head (m)	Discharge head (m)	Max. suction head (m)	Max. flow rate (ℓ/hr)
PU-950M	Single phase 220V	950	22.5	8.5	14	9	25,200
PU-951M			22	8.5	13.5	9	22,500
PU-952M							
PU-950I	Three phase 220/380V		22.5	8.5	14	9	25,200
PU-950U	Three phase 380V						
PU-955M	Single phase 220V	950	22.5	8.5	14	9	25,200
PU-956M			22	8.5	13.5	9	22,500

* PU-955/956M: same as PU-650/651M but iron base plate included

PU-954M, 994M, 1700M/I/N, 1701M/I, PUM-1703M/I/N

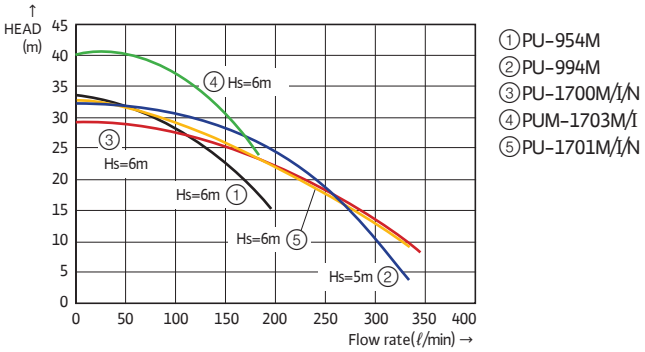
Agricultural/Industrial application pump



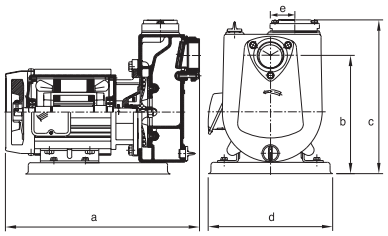
PU-1700M/I/N, 1701M/I
PUM-1703M/I/N

PU-954M, 994M

Performance curve



Dimension drawing



[mm]

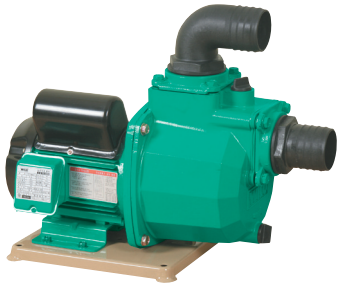
Model	a	b	c	d	e
PU-954M/994M	407	265	342	230	39
PU-1700M/I/N	432	263	341	277	-
PU-1701M/I					
PUM-1703M/I/N	463	207	310	265	25

Technical data

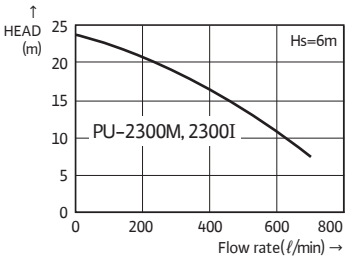
Model	Power Source	Output (W)	Total head (m)	Suction head (m)	Discharge head (m)	Max. suction head (m)	Max. flow rate (ℓ/hr)
PU-954M	Single phase 220V 60Hz	950	29	5	24	6	16,140
PU-994M		1,500	32	5	27	6	20,400
PU-1700M		1,700	30	8	22	9	28,800
PU-1701M			26	-	26	-	25,200
PUM-1703M		1,500	36	6	30	6.5	17,400
PU-1700I	Three phase 220/380V 60Hz	1,700	30	8	22	9	28,800
PU-1701I			26	-	26	-	25,200
PUM-1703I		1,500	36	6	30	6.5	17,400
PU-1700N	Three phase 440V 60Hz	1,700	30	8	22	9	28,800
PUM-1703N		1,500	36	6	30	6.5	17,400

* PU-1701M/I are for boosting application
* Please inquire for PU-1700N, 1701N and PUM-1703N(three phase/440V)

PU-2300M, 2300I



Performance curve



Features

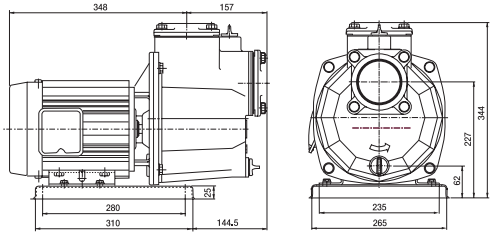
- High flow rate(3 inch suction/discharge Dia.)
- Hose coupling for suction and discharge part included

Application

- Greenhouse, flower garden, agriculture

Dimension drawing

[mm]



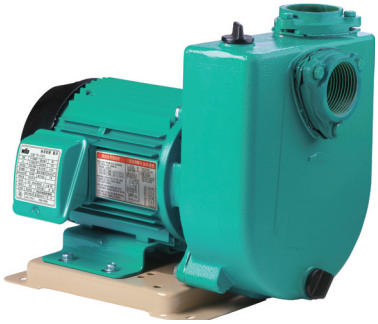
Technical data

Model	Power Source	Output (W)	Total head (m)	Suction head (m)	Discharge head (m)	Diameter (mm)	Max. suction head (m)	Max. flow rate (ℓ/hr)
PU-2300M	Single phase 220V	2,200	22	8	14	80(3)	9	37,200
PU-2300I	Three phase 220/380V							

* Caution: this model is for self-priming and large flow rate pump, thus please refrain from using indoor, due to high noise level(90dB)

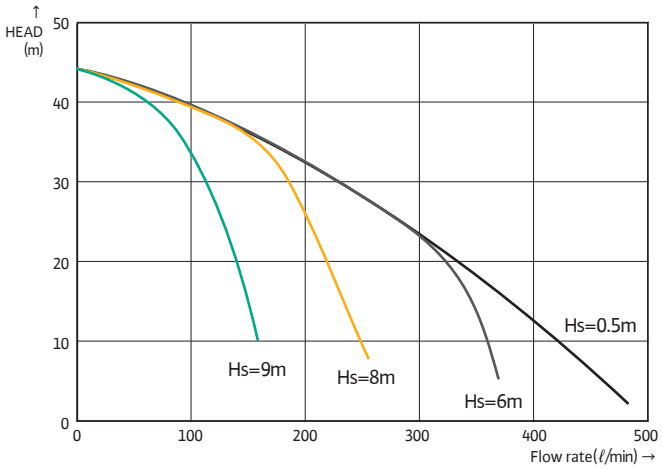
Agricultural/Industrial application

PU-3000I



PU-3000I

Performance curve



Features

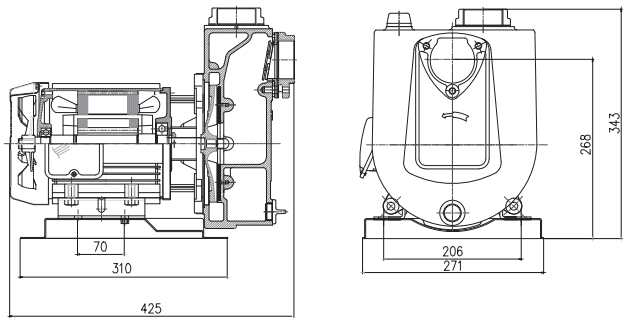
- Preventing cavitation design at suction condition
- Weight lightening(approx.45kg)

Application

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

Dimension drawing

[mm]

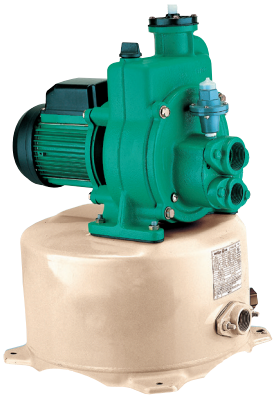


Technical data

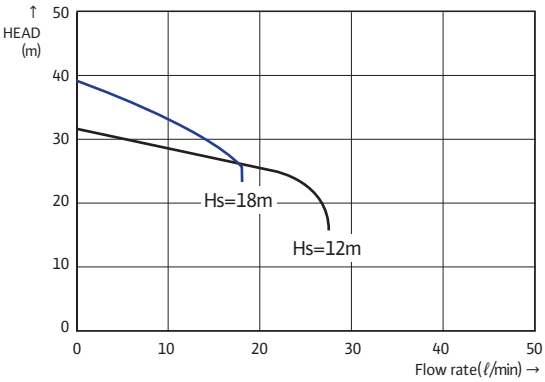
Model	Power Source	Rated output (kW)	Max. Head (m)	Max. flow rate (ℓ/min)	Diameter (mm,inch)
PU-3000I	Three phase 220/380V	3(4HP)	40	500 (30m³/hr)	50(2″)

PC-350NMA, 351NMA

Deep & shallow well application (automatic & big pressure tank)



Performance curve



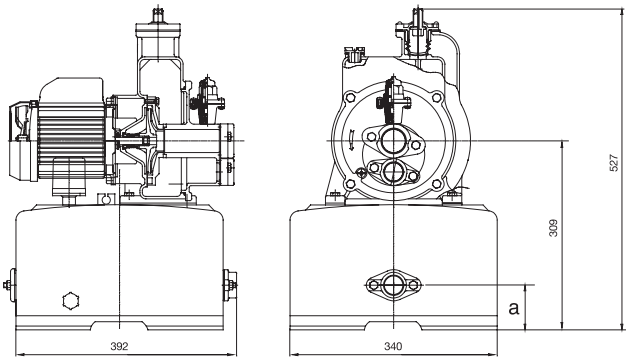
Technical data

Model	Power Source	Output (W)	Total head (m)	Suction head (m)	Discharge head (m)	Flow rate (ℓ/hr)
PC-350NMA	Single phase 220V	350	12	6	6	2,400
PC-351NMA			22	12	10	1,440
			28	18		720

Dimension drawing

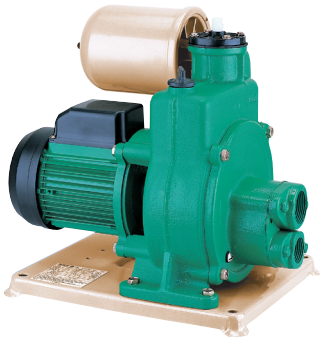
[mm]

Model	a
PC-350NMA	73
PC-351NMA	67



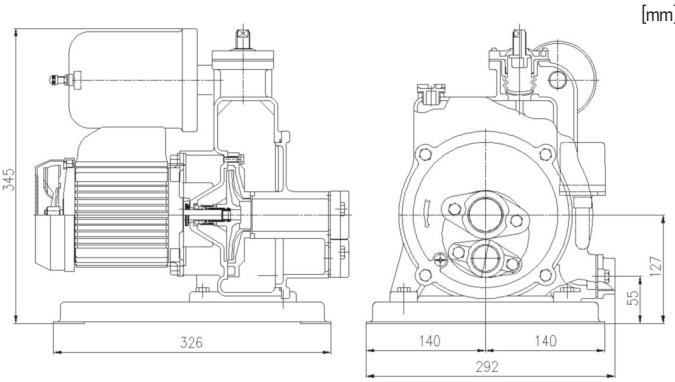
PC-350SMA

Deep & shallow well application (automatic)



Dimension drawing

[mm]



Technical data

Model	Power Source	Output (W)	Total head (m)	Suction head (m)	Discharge head (m)	Flow rate (ℓ/hr)
PC-350SMA	Single phase 220V	350	12	6	6	2,400
			22	12	10	1,440
			28	18		720

Deep well application

PC-601NMA, 600LMA, 950LMA

Deep well application

PC-601NMA

PC-600LMA/950LMA

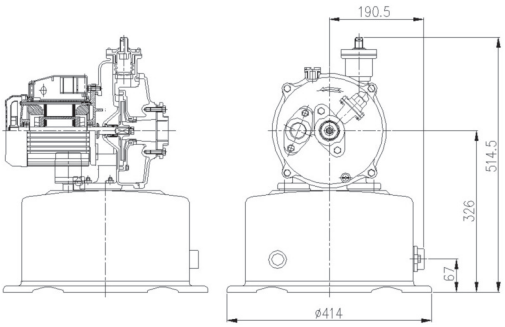
Technical data

Model	Power Source	Output (W)	Total head (m)	Suction head (m)	Discharge head (m)	Flow rate (ℓ/hr)	Tank volume (ℓ)
PC-601NMA	Single phase 220V	600	23	12	11	2,040	-
			29	18		1,500	
PC-600LMA			35	24		900	20
			41	30		480	
PC-950LMA	Single phase 220V	950	35	12	23	3,000	20
			41	18		2,100	
			47	24		1,380	
			53	30		780	
			58	35		480	

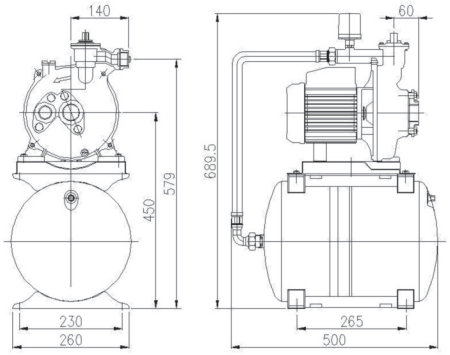
Dimension drawing

PC-601NMA

[mm]



PC-600LMA/950LMA



JET

Option

JET

JET

PJ40-30

• Suction head 30m combination with(PC-600M,601NMA, 950M)

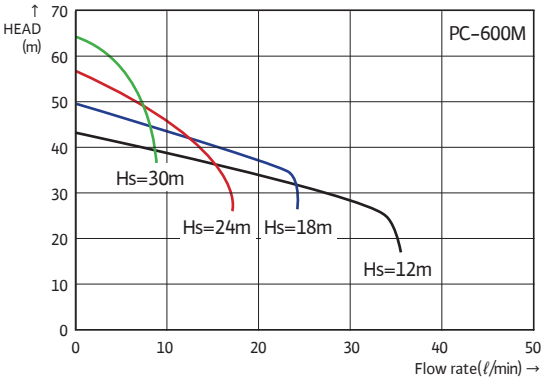
PJ25-12

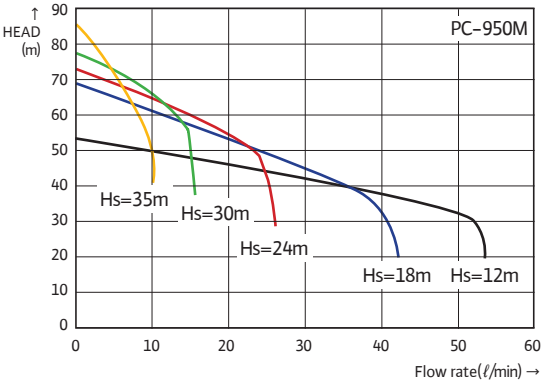
• Suction head 12m combination with(PC-350NMA,350SMA, 351NMA)

PC-600M, 950M

Deep well application (non automatic)

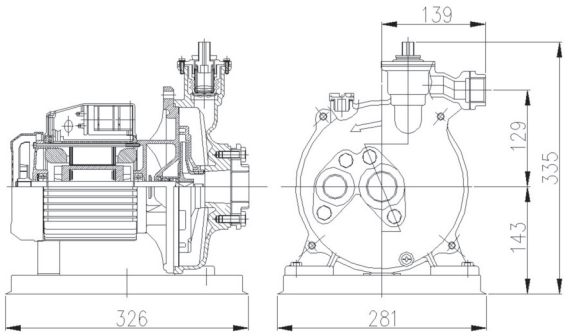
Performance curve





Dimension drawing

[mm]



Technical data

Model	Power Source	Output (W)	Total head (m)	Suction head (m)	Discharge head (m)	Flow rate (ℓ/hr)
PC-600M	Single phase 220V 60Hz	600	23	12	11	2,040
			29	18		1,500
			35	24		900
			41	30		480
PC-950M	Single phase 220V 60Hz	950	35	12	23	3,000
			40	18		2,100
			47	24		1,380
			53	30		780
			58	35		480

JET

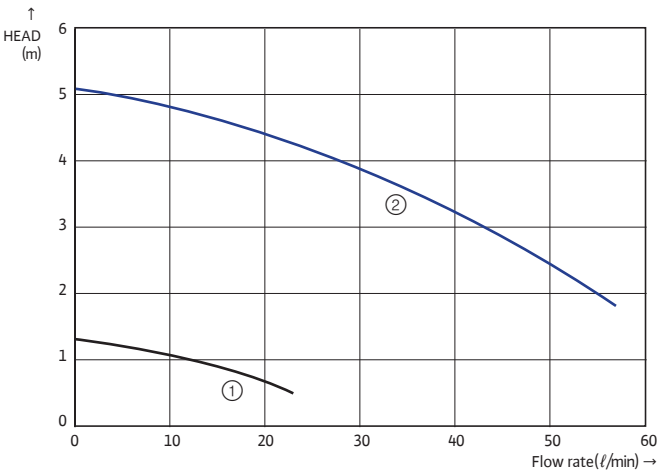
JET	Suction head				
	12m	18m	24m	30m	35m
PJ25-12	■ ■ ■				
PJ40-30			■ ■	■	■
PSJ-50P	■	■ ■	■ ■		

* ■ : PC-350NMA/SMA/351NMA
■ : PC-600M/LMA/601NMA
■ : PC-950M/LMA

Hot water circulation

PH-037M, 045M, 046M, K043M

Performance curve



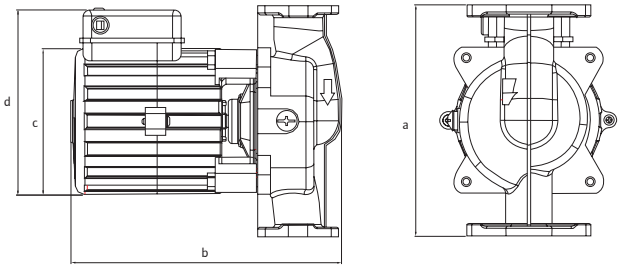
① PH-037M ② PH-045M, 046M, K043M

Features

- Long life cycle due to low motor temperature
- Weight lightening and user-friendly design(applying aluminum frame motor)
- Installation compatibility with existing model
- Excellent corrosion resistance due to powder coating(PH-037M/045M/046M)

Dimension drawing

[mm]



Technical data

Model	Power Source	Output (W)	Total head (m)	Max. flow rate (ℓ/hr)	Max. suction pressure	Flange Dia. mm(″)
PH-037M	Single phase, 220V 60Hz	6	1	1,500	1Kgf/cm²	25(1)
PH-045M		40	4.5	3,600		
PH-046M						32(1 1/4)
PH-K043M	Single phase, 220V 60Hz	40	4.5	3,600		25(1)

* In case of over Max.suction pressure, it may not operate

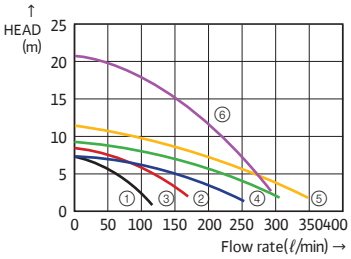
Dimensions / Model	a	b	c	d
PH-037M	124	146	Ø89	112
PH-045M	150	178	Ø95	120
PH-046M				
PH-K043M	150	214	Ø94	120

* Combination of casing and motor bracket: stainless steel bolt(PH-K043M)

PH-080M, 081M, 200M, 250M, 350M, 600U, 600M, 601M, 950M, 950U, 951I

Hot water circulation

Performance curve



①PH-080M/081M ②PH-200M
③PH-250M ④PH-350M
⑤PH-600M/601M/600U
⑥PH-950M/U/I

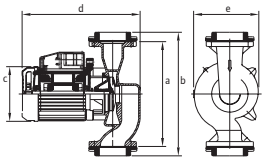
Technical data

Model	Power Source	Output (W)	Total head (m)	Max. flow rate (ℓ/hr)	Max. suction pressure	Flange Dia. (mm,inch)
PH-080M	Single phase 220V 60Hz	80	7	6,900	3kgf/cm²	40(1 1/2")
PH-081M		80	7	6,900	3kgf/cm²	32(1 1/4")
PH-200M		200	7	9,600	4kgf/cm²	40(1 1/2")
PH-250M		250		13,000		50(2")
PH-350M		350	8.5	18,000		50(2")
PH-600U	Three phase 380V 60Hz	600	11	19,200		65(2 1/2")
PH-600M	Single phase 220V 60Hz	600				65(2 1/2")
PH-601M						80(3")
PH-950M		950	19	17,500		50(2")
PH-950U	Three phase 380V 60Hz					
PH-950I	Three phase 220/380V 60Hz					

* In case of over Max.suction pressure, it may not operate

Dimension drawing

[mm]



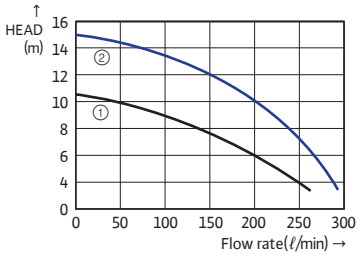
Model	a	b	c	d	e
PH-080M/081M	180	224	Ø95.2	208	137.7
PH-200M	210	274	Ø133	281	175
PH-250M/350M	260	312		305	195
PH-600U	280	334	Ø143	302	175
PH-600M/601M			Ø146	315	
PH-950M/950U/950I			Ø164	330	

WP-403E/753M

Spa and whirlpool application

WP-403E/753M

Performance curve



①WP-403E ②WP-753M

Features

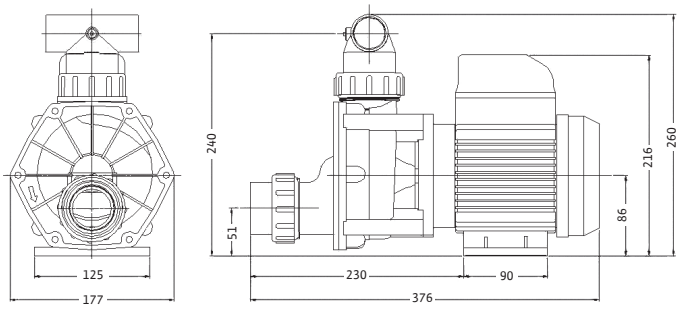
- Low noise level
- High temperature fluid available (60°C)
- Safe use due to air switch for dry-running protection

Application

- Component part of whirlpool
- Component part of Spa

Dimension drawing

[mm]



Technical data

Model	WP-403E	WP-753M
Power Source	Single phase 230V 50Hz	Single phase 220V 60Hz
Max. Flow rate	250ℓ/min	280ℓ/min
Max. Head	10m	14m
Rated output	400W	590W
Power input	560W	800W
Fluid temperature	0~60℃	
IP class	IP55	
Diameter	Suction : 50mm(2") Discharge : 32mm(1 1/4")	
Dry running protection switch	○	

* Please inquire for exact pipe size

Hot water circulation

RS Series

Features

- Fluid Temperature: -10℃~110℃
- Max. pressure: 10bar
- Energy saving due to 3 stage speed control
- Low noise level: 37dB
- Applying water cooling canned motor
- Abrasion resistance due to ceramic hollow shaft
- Improving corrosion resistance due to casing electro painting
- Easy installation and assembly and disassembly

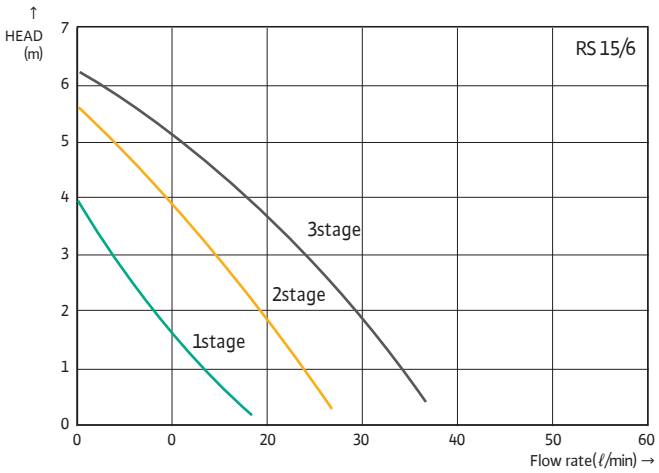
Application

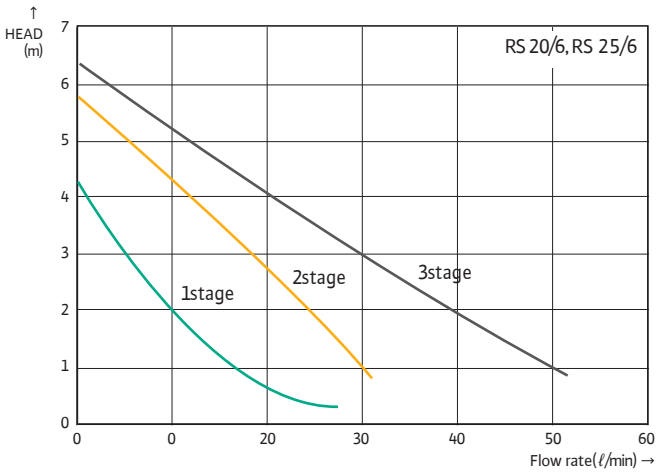
- Hot water circulation
- Solar hot water system
- Closed circulation system for industry and building

Technical data

Model	Power Source	Power consumption (W)	Total head (m)	Flow rate (ℓ/min)	Diameter (mm,inch)	Conection Dia. (mm,inch)
RS 15/6	Single phase 220/60Hz	65	6	18(Hs=4m)	15(1/2")	25(1")
RS 20/6				25(Hs=4m)	20(3/4")	30(1 1/4")
RS 25/6					25(1")	40(1 1/2")

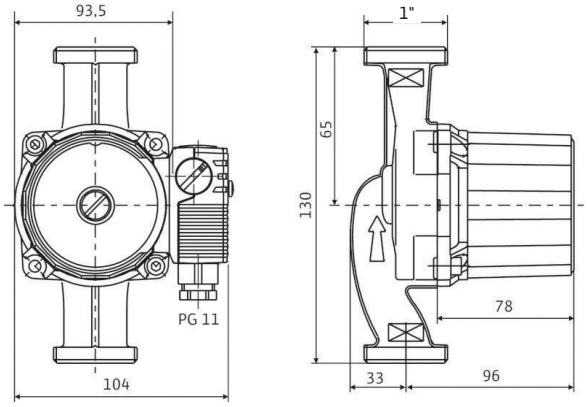
Performance curve





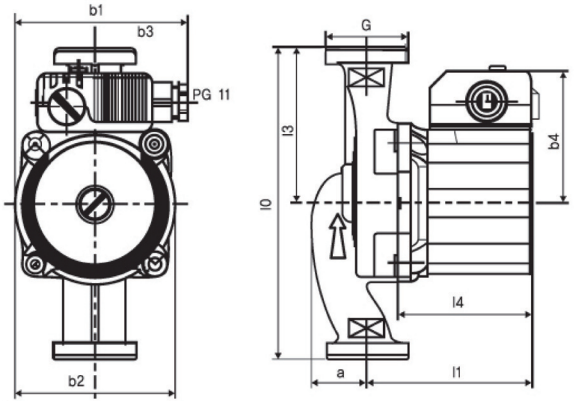
Dimension drawing

RS 15/6



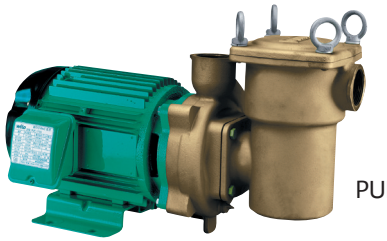
RS 20/6, RS 25/6

[mm]

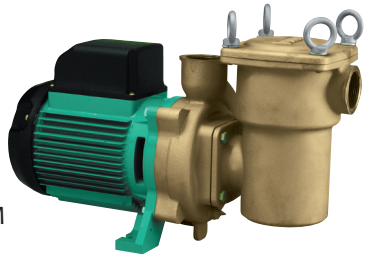


Model	a	b1	b2	b3	b4	l4	l0	l1	l3	G
RS 20/6	33	100	92.5	54	73	79	130	97	65	1 1/4"
RS 25/6	33	100	92.5	54	73	79	130	97	65	1 1/2"

PUF-950M, 1700I/M/N

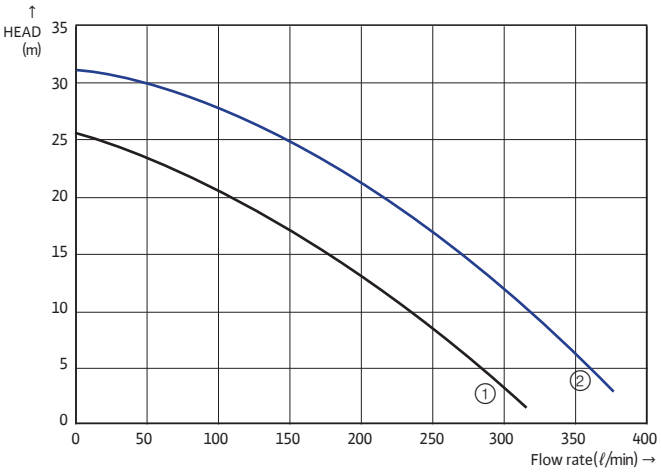


PUF-1700I/M/N



PUF-950M

Performance curve



①PUF-950M ②PUF-1700I/M/N

Features

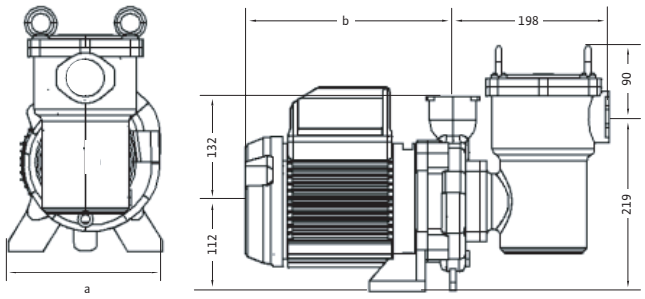
- Fluid temperature: below 60°C
- Corrosion resistance
- Long life cycle for bearing
- Easy maintenance
- Long life cycle for motor due to water proof

Application

- Spa, Sauna
- Send filter application
- Boosting for cooling and hot water

Dimension drawing

[mm]



Technical data

Model	Power Source	Output (W)	Total head (m)	Max. flow rate (ℓ/hr)	Remark
PUF-950M	Single phase 220V	950	22	17,400	Non self priming pump
PUF-1700I	Three phase 220/380V	1,700	28	21,000	
PUF-1700M	Single phase 220V				
PUF-1700N	Three phase 440V				

Model \ Dimensions	a	b
PUF-950M	195	262
PUF-1700I/M/N	235	304

Chemical application

PM Series

Samll size magnet pump

Model code identification

PM – 25 0 P M H
① ② ③ ④ ⑤ ⑥

① PM	② 25	③ 0	④ P	⑤ M	⑥ H
Model	Output	Serial number	Main material	Power Source	Piping type
Magnet Driven Pump	01X10 : 15W 05X10 : 50W 10X10 : 100W 15X10 : 150W 25X10 : 250W 30X10 : 300W	Serial Number	P : PolyPropylene N : Noryl	M : Single phase 220V 60Hz I : Three phase 220 / 380V 60Hz	H : HOSE S : SCREW – : HOSE

Application

Wet part in Noryl product

→PM-015NM, 051NM, 250NIH

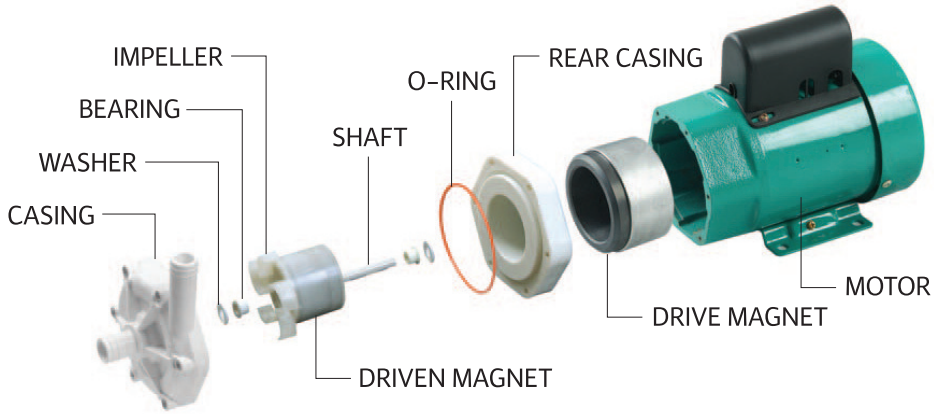
- Hot water circulation
- Hot water supplying for solar system or heat tank
- General water circulation

Wet part in PP(Poly-Propylene) product

→PM-030PM, 052PM, 150PM, 250PMS/PMH/PIH/PIS, 300PM/PMH/PIH/PIS

- 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

Structure & Feature



- **Anti-leakage:**
  Driven by magnet(without any seal)

- **Chemical resistance and reliability:**
  Highly chemical resistant polypropylene, flour rubber and ceramics are standard materials for wetted parts.
  These offer a wider range of pump applications.

- **High efficiency with compact size:**
  The pumps are logically designed to compact sizes to offer exceptionally high efficiency.
  All pumps are ideally suited for building into various kinds of apparatus and machinery.

- **Pumping hot water (PM-015NM, 051NM):**
  The pumps are designed to deliver hot water up to 90℃ due to noryl plastic parts.

- **Easy maintenance:**
  The simple design coupled with the absence of any sealing parts make easy maintenance and inspection.
  So durable pumps withstand sustained continuous operation.

PM Series

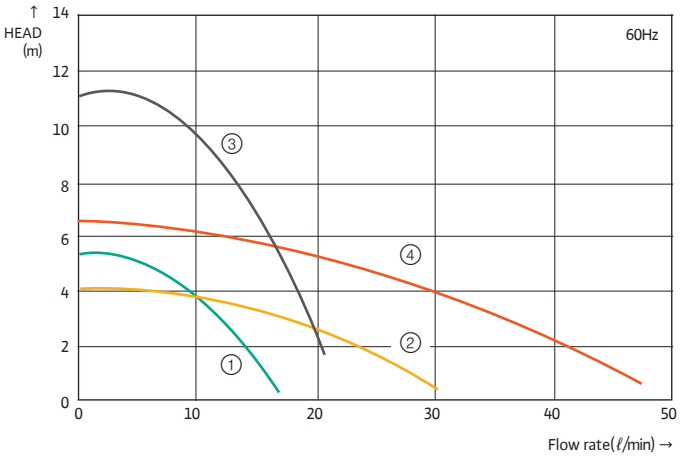
Small size magnet pump

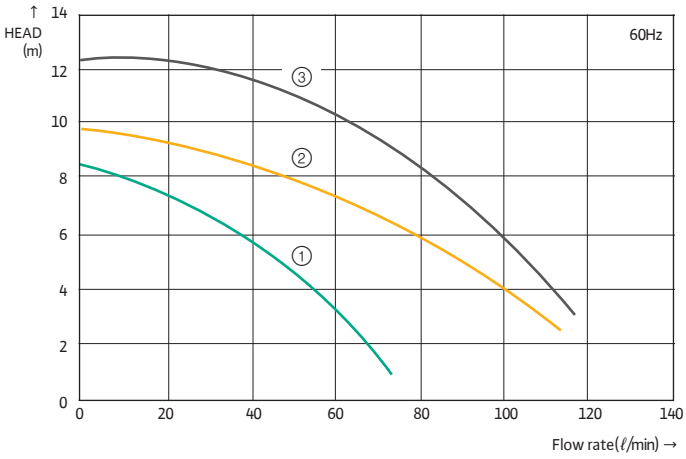
Technical data

Model	Power Source	Output (W)	Input (W)	Max. Head (m)	Max. flow rate (ℓ/min)	Rated flow rate (ℓ/min)	Conection Dia. (mm)	Max. fluid temperature	Main material
PM-015NM	1Ø 220V 60Hz	15	39	4.5	19	7(Ht=4m)	14 Hose	90℃	NORYL
PM-030PM		30	55	3.5	28	20(Ht=2m)	17 Hose	60℃	P.P
PM-051NM		50	125	10	15	10(Ht=5m)	19 Hose	90℃	NORYL
PM-052PM			120	5.5	40	25(Ht=2.5m)	20 Hose	60℃	P.P
PM-150PM		150	250	8	70	45(Ht=4m)	20 Hose		
PM-250PMS		250	410	8	110	75(Ht=5m)	25(1") Screw		
PM-250PMH							26 Hose		
PM-300PMS		300	460	12	130	70(Ht=9m)	25(1") Screw		
PM-300PMH							26 Hose		
PM-250PIH	3Ø 220 / 380V 60Hz	250	410	8	110	75(Ht=5m)	26 Hose		
PM-250PIS							25(1") Screw		
PM-250NIH							26 Hose	90℃	NORYL
PM-300PIH		300	460	12	130	70(Ht=9m)	26 Hose	60℃	P.P
PM-300PIS							25(1") Screw		

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

Performance curve



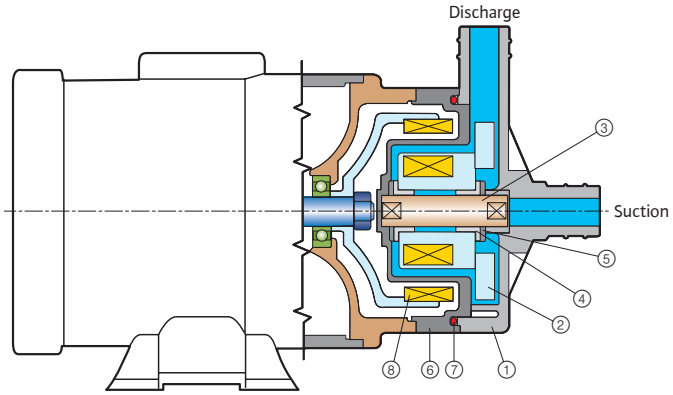


Chemical application

PM Series

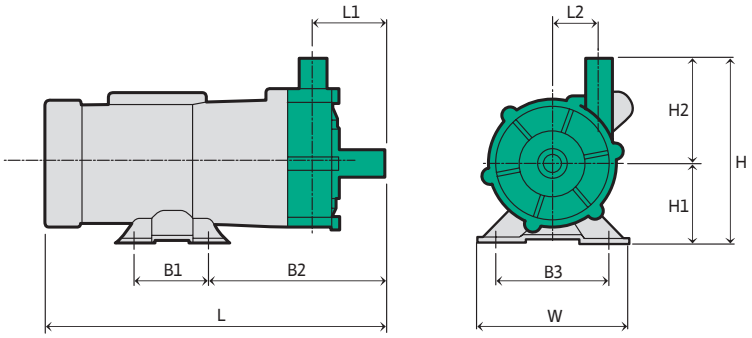
Small size magnet pump

Sectional drawing



No.	Part	PM-015NM, 051NM, 250NIH	PM-030PM, 052PM, 150PM, 250PMS/PMH/PIH/PIS, 300PMS/PMH/PIH/PIS
1	CASING	NORYL	P.P
2	IMPELLER UNIT	NORYL	P.P
3	SHAFT	CERAMIC	CERAMIC
4	BEARING	CARBON	TEFLON
5	BEARING WASHER	CERAMIC	CERAMIC
6	REAR CASING	NORYL	P.P
7	O-RING	EPDM	VITON
8	MAGNET	FERRITE	FERRITE

Dimension drawing



Model	Dimension (mm)										Weight (kg)
	H	H1	H2	L	L1	L2	B1	B2	B3	W	
PM-015NM	112	56	56	192	30	26	44	95	95	106	2.1
PM-030PM	118	56	62	200	38	25	44	103	95	106	2.2
PM-051NM	157	62	95	245	40	44	44	118	94	108	3.5
PM-052PM	130	60	70	255	48	31	40	149	100	120	3.5
PM-150PM	153	68	85	275	48	50	70	143	86	112	6.8
PM-250PMS/PMH/PIH/PIS/NIH	166	71	95	373	73	47	90	219	99	144	10.0
PM-300PMS/PMH/PIH/PIS	171	71	100	363	65	44	90	211	99	144	11.0

PM Series

Medium size magnet pump

Model code identification

PM – 150 3 P I
① ② ③ ④ ⑤

① PM	② 150	③ 3	④ P	⑤ I
Model	Output	Serial number	Main material	Power Source
Magnet Driven Pump	40X10 : 370W 55X10 : 550W 75X10 : 750W 150X10 : 1,500W 220X10 : 2,200W 370X10 : 3,700W	Serial Number	P : PolyPropylene F : PVdF	I :Three phase 220 / 380V 60Hz N :Three phase 440V 60Hz

Application

Wet part in PP(Poly-Propylene) material

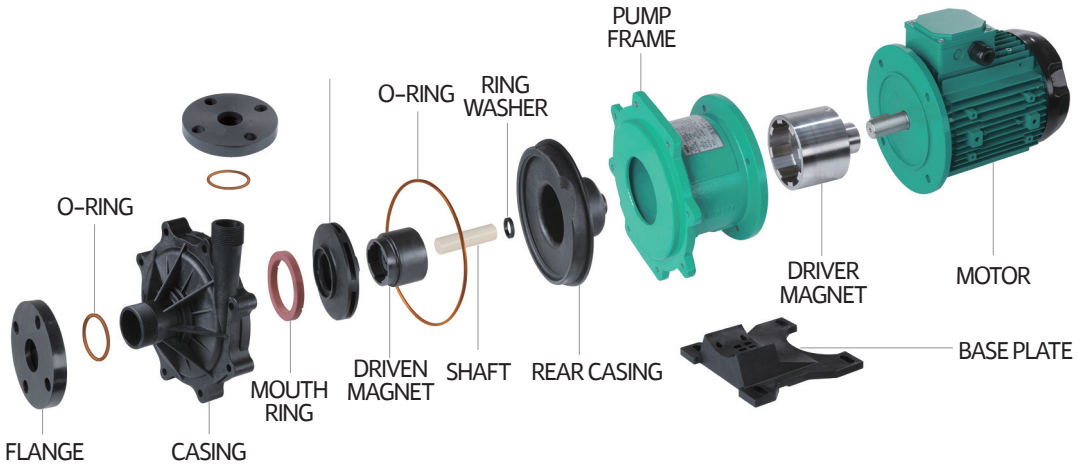
→ PM-403PI/PN, 555PI, 753PI/PN, 755PI, 1503PI/PN, 1505PI, 2203PI/PN, 2205PI, 3703PI/PN

Wet part in PVDF(Poly-VinyliDene Fluoride) material

→PM-403FI/FN, 753FI/FN, 1503FI/FN, 2203FI/FN, 3703FI/FN

- Chemical fluid circulation(Please inquire for the details)
- Clean water circulation for potable/tap water
- Facility for etching PCB and electronic components
- Transferring plating liquid

Features



- **Anti-leakage:**
  Driven by magnet(without any seal)

- **Chemical resistance and reliability :**
  Highly chemical resistant polypropylene, flour rubber and ceramics are standard materials for wetted parts.
  These offer a wider range of pump applications.

- **High efficiency with compact size :**
  The pumps are logically designed to compact sizes to offer exceptionally high efficiency.
  All pumps are ideally suited for building into various kinds of apparatus and machinery.

- **Easy maintenance:**
  The simple design coupled with the absence of any sealing parts make easy maintenance and inspection.
  So durable pumps withstand sustained continuous operation.

Chemical application

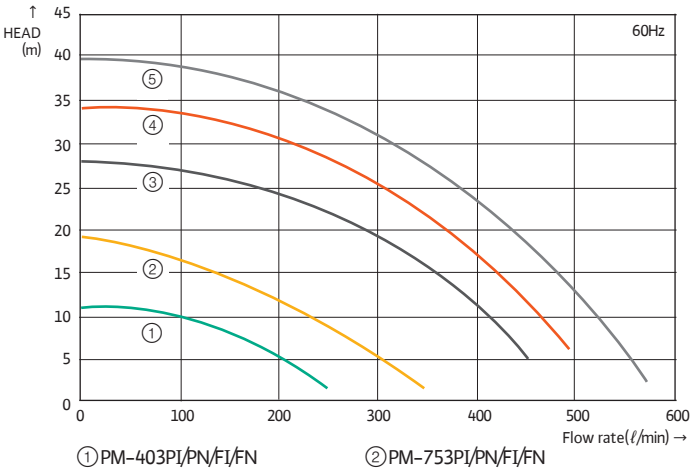
PM Series

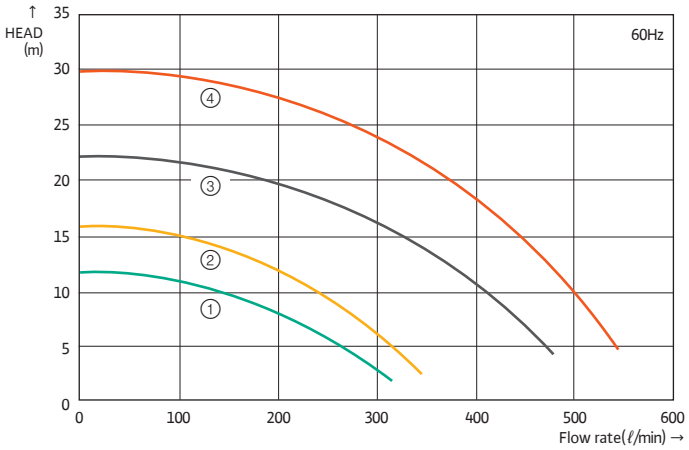
Medium size magnet pump

Technical data

Model	Power Source	Output (W)	Input (W)	Max. head (m)	Max. flow rate (ℓ/min)	Rated flow rate (ℓ/min)	Conection Dia. (mm, inch)	Max. fluid temperature	Main material
PM-403PI/PN	I:3Ø 220/ 380V 60Hz N:3Ø 440V 60Hz	370	530	9	250	100 (Ht=8m)	Suction flange : 40 (1 1/2″) Discharge flange : 40 (1 1/2″)	P.P : 60℃ PVDF : 80℃	P.P
PM-403FI/FN									PVDF
PM-555PI		550	710	10.5	310	180 (Ht=8m)			P.P
PM-753PI/PN		750	990	16	350	180 (Ht=12m)			P.P
PM-753FI/FN									PVDF
PM-755PI				15	350	180 (Ht=12m)	Suction flange : 50 (2″) Discharge flange : 40 (1 1/2″)		P.P
PM-1503PI/PN		1,500	2,000	25	450	230 (Ht=20m)			P.P
PM-1503FI/FN									PVDF
PM-1505PI			1,785	21	470	280 (Ht=16m)			P.P
PM-2203PI/PN		2,200	2,700	30	480	300 (Ht=20m)			P.P
PM-2203FI/FN									PVDF
PM-2205PI			2,550	28	520	360 (Ht=20m)			P.P
PM-3703PI/PN		3,700	3,000	35	580	300 (Ht=25m)	Suction·Discharge flange : 50 (2″)		P.P
PM-3703FI/FN									PVDF

Performance curve

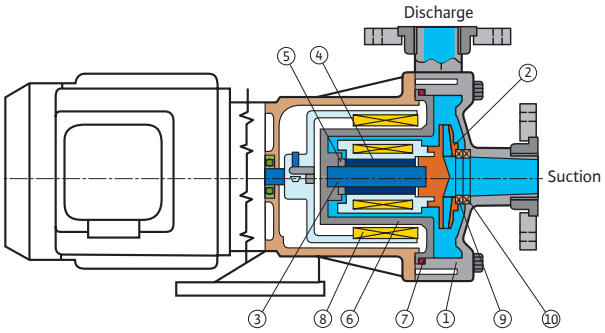




PM Series

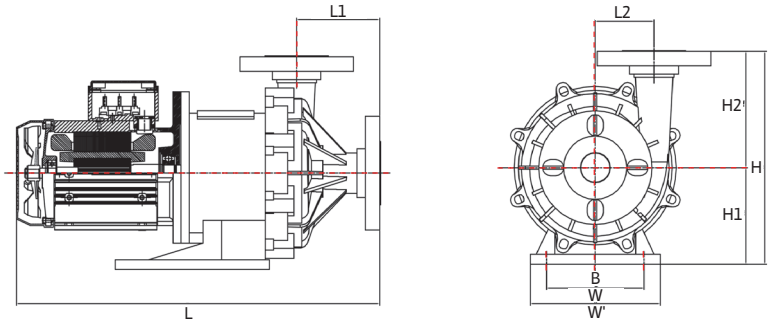
Medium size magnet pump

Sectional drawing



No.	Part	PM-403PI/PN, 555PI, 753PI/PN, 755PI	PM-1505PI, 1503PI/PN, 2203PI/PN, 2205PI, 3703PI/PN	PM-403FI/FN, 753FI/FN	PM-1503FI/FN, 2203FI/FN, 3703FI/FN
1	CASING	P.P	P.P	PVDF	PVDF
2	IMPELLER UNIT	P.P	P.P	PVDF	PVDF
3	SHAFT	CERAMIC	CERAMIC	CERAMIC	CERAMIC
4	BEARING	TEFLON	TEFLON	TEFLON	TEFLON
5	BEARING WASHER	CERAMIC, CFRPPS	CERAMIC, CFRPPS	CERAMIC	CERAMIC
6	REAR CASING	P.P	P.P	PVDF	PVDF
7	O-RING	VITON	VITON	VITON	VITON
8	MAGNET	FERRITE	NFB	FERRITE	NFB
9	THRUST BEARING	TEFLON	TEFLON	TEFLON	TEFLON
10	THRUST BEARING	CERAMIC	CERAMIC	CERAMIC	CERAMIC

Dimension drawing



Model	Dimension (mm)									Weight (kg)
	H	H1	H2	L	L1	L2	B	W	W'	
PM-403PI/PN	235	110	125	470	86	52	110	140	269	20.0
PM-403FI/FN										
PM-555PI	225	95	130	410	88	55	110	140	215	14.5
PM-753PI/PN	255	115	140	525	90	66	130	160	280	30.5
PM-753FI/FN										
PM-755PI	256	116	140	450	103	72	130	160	210	19.5
PM-1503PI/PN	275	115	160	620	100	66	210	260	293	40.0
PM-1503FI/FN										
PM-1505PI	280	120	160	490	89	83	208	260	210	30.5
PM-2203PI/PN	275	115	160	620	100	66	210	260	293	42.5
PM-2203FI/FN										
PM-2205PI	280	120	160	590	89	83	208	260	210	40.0
PM-3703PI/PN	315	165	150	685	100	66	200	240	331	70.0
PM-3703FI/FN										

Chemical application

PR series

Single-headed Dosing Pump

Application

- Constant injection of chemical in water treatment system
- Laboratory
- Constant injection of anti-rust coating, cleaning detergent, swimming pool chlorination and sterilant
- Constant injection of chemical in plating, chemical and textile factory
- Constant injection of sterilant or additive in food factory

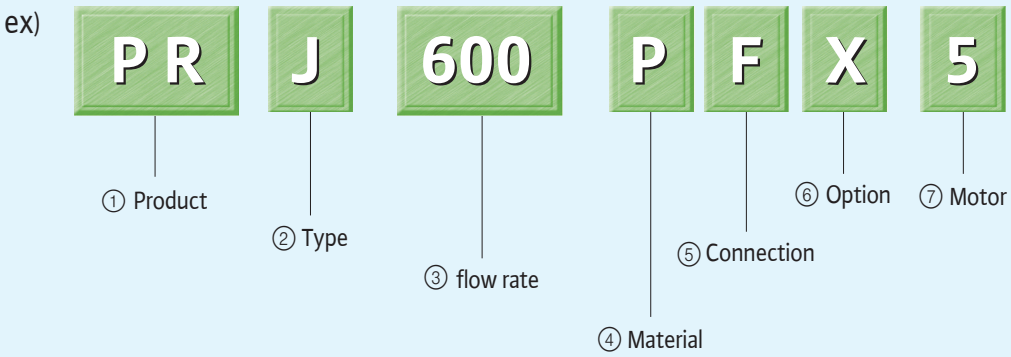
Technical data

Model	Max. flow rate (cc/min)	Max.outlet pressure (kgf/cm²)	Strock (spm)	Conection Dia.		Motor specification	Product weight (kg)
				Hose	Flange		
PRS003	36	3	49	Ø6	KS 10K 15A	3Ø, AC 220V, 380V, 440V, 4P, 40W, E Type	6.8
						1Ø, AC 220V, 4P, 40W, E Type	
PRS007	70	3	98	Ø6	KS 10K 15A	3Ø, AC 220V, 380V, 440V, 4P, 40W, E Type	6.8
						1Ø, AC 220V, 4P, 40W, E Type	
PRS010	150	3	98	Ø6	KS 10K 15A	3Ø, AC 220V, 380V, 440V, 4P, 40W, E Type	7.3
						1Ø, AC 220V, 4P, 40W, E Type	
PRS030	350	3	98	Ø6	KS 10K 15A	3Ø, AC 220V, 380V, 440V, 4P, 40W, E Type	7.9
						1Ø, AC 220V, 4P, 40W, E Type	
PRS050	600	3	98	Ø6	KS 10K 15A	3Ø, AC 220V, 380V, 440V, 4P, 40W, E Type	7.9
						1Ø, AC 220V, 4P, 40W, E Type	
PRS100	1,000	3	98	Ø10	KS 10K 15A	3Ø, AC 220V, 380V, 440V, 4P, 40W, E Type	8.6
						1Ø, AC 220V, 4P, 40W, E Type	
PRS200	2,000	3	98	Ø10	KS 10K 15A	3Ø, AC 220V, 380V, 440V, 4P, 40W, E Type	9.1
						1Ø, AC 220V, 4P, 40W, E Type	
PRJ010	100	3	111	Ø6	KS 10K 15A FF	AC 220/380V, 440V, 0.2kW, 3Ø, F Type	27.5
PRJ030	300	3	111	Ø6	KS 10K 15A FF	AC 220/380V, 440V, 0.2kW, 3Ø, F Type	28
PRJ050	500	3	111	Ø6	KS 10K 15A FF	AC 220/380V, 440V, 0.2kW, 3Ø, F Type	28
PRJ100	1,000	3	111	Ø10	KS 10K 15A FF	AC 220/380V, 440V, 0.2kW, 3Ø, F Type	28.5
PRJ200	2,000	3	111	Ø10	KS 10K 15A FF	AC 220/380V, 440V, 0.2kW, 3Ø, F Type	29
PRJ300	3,000	3	111	Ø10	KS 10K 20A FF	AC 220/380V, 440V, 0.2kW, 3Ø, F Type	29
PRJ400	4,000	3	111	Ø16	KS 10K 20A FF	AC 220/380V, 440V, 0.4kW, 3Ø, F Type	30
PRJ500	5,000	3	111	Ø16	KS 10K 20A FF	AC 220/380V, 440V, 0.4kW, 3Ø, F Type	30.5
PRJ600	6,000	3	111	Ø16	KS 10K 20A FF	AC 220/380V, 440V, 0.4kW, 3Ø, F Type	33
PRJ800	8,000	3	111	Ø16	KS 10K 20A FF	AC 220/380V, 440V, 0.4kW, 3Ø, F Type	34
PRJ10K	10,000	3	111	Ø19	KS 10K 25A FF	AC 220/380V, 440V, 0.75kW, 3Ø, F Type	46
PRL10K	10,000	3	114	Ø25	KS 10K 25A FF	AC 220/380V, 440V, 0.75kW, 3Ø, F Type	73
PRL20K	20,000	3	114	Ø32	KS 10K 40A FF	AC 220/380V, 440V, 1.5kW, 3Ø, F Type	89
PRL30K	30,000	3	114	Ø32	KS 10K 40A FF	AC 220/380V, 440V, 1.5kW, 3Ø, F Type	89
PRL40K	40,000	2	114	Ø38	KS 10K 50A FF	AC 220/380V, 440V, 1.5kW, 3Ø, F Type	99
PRL50K	50,000	2	114	Ø38	KS 10K 50A FF	AC 220/380V, 440V, 1.5kW, 3Ø, F Type	99

※ Above weight is based on PVC material

Model code identification

1. Model name



2. Classification

①Product:
Abbreviation for reciprocating pump

②Type:
S(Small)/J(Medium)/L(Large)

③Flow rate:
When below 10000cc/min, only show the numbers in thousands, hundreds, and tens and exclude ones(ex. 6500cc/min->650).
When above 10000cc/min, only show the numbers in above thousands with K and exclude ones(ex. 65000cc/min->65K).

④Material:
Wet part from suction to discharge (P=P.V.C A=ACRYLIC F=P.P K=PVdF(KYNAL) S=STS304 6=STS316 T=TEFLON)

⑤Connection:
Connection to piping(F=FLANGE U=UNION H=HOSE E=Special type P=PVC FLANGE of TEFLON TYPE)

⑥Option:
D=DRAIN VALVE included X=DRAIN VALVE excluded

⑦Motor:

CODE	MOTOR	CODE	MOTOR
1	1Ø, 220V, INDOOR	A	1Ø, 220V, eG3
2	1Ø, 220V, OUTDOOR	B	1Ø, 220V, d2G4
3	3Ø, 220V, INDOOR	C	3Ø, 220V, eG3
4	3Ø, 220V, OUTDOOR	D	3Ø, 220V, d2G4
5	3Ø, 220/380V, INDOOR	E	3Ø, 220/380V, eG3
6	3Ø, 220/380V, OUTDOOR	F	3Ø, 220/380V, d2G4
7	3Ø, 440V, INDOOR	H	3Ø, 440V, eG3
8	3Ø, 440V, OUTDOOR	K	3Ø, 440V, d2G4
9	3Ø, 380V, INDOOR	M	3Ø, 380V, eG3
0	3Ø, 380V, OUTDOOR	N	3Ø, 380V, d2G4

Wilo Pump Technical data (Household Product)

Division		Model	Power Source	Output W (HP)	Total head 10 20 30 40 50 60 70	Suction 30 20 10	Discharge head 10 20 30 40 50 60 70	Flow rate(ℓ/hr) Max.	Flow rate(ℓ/hr) Name plate mark	Diameter mm(inch) Suction	Diameter mm(inch) Discharge	Weight (Kg)	Remark
Pressure Boosting Application	Automatic	PE-400MA	Single phase 220V	350	26		26	4,200	4,200(26m)	25(1)		5.5	Pressure Boosting(automatic control)
		PB-S140MA	Single phase 220V	135(1/6)	17		17	1,500	1,500(0.5m)	15(1/2)	15(1/2)	3.6	Pressure Boosting(downward)
		PB-138MA	Single phase 220V	135(1/6)	12		12	2,400	2,400(0.5m)	15(1/2)또는20(3/4)		4	Pressure Boosting(downward)
		PB-S250MA	Single phase 220V	250(1/3)	15		15	3,300	3,300(0.5m)	20(3/4)		5	Pressure Boosting(downward)
		PB-350/C350MA	Single phase 220V	350	21		21	3,900	3,900(0.5m)	15(1/2)또는20(3/4)		8	Pressure Boosting(downward)
		PB-351MA	Single phase 220V	350	21		21	4,800	4,800(0.5m)	25(1)		8	Pressure Boosting(downward)
		PB-600/C600MA	Single phase 220V	600	28		28	4,800	4,800(0.5m)	32(1 1/4)		8	Pressure Boosting(downward)
		PB-410/C410SMA	Single phase 220V	400(1/2)	25	3	15	4,500	3,000(12m)	25(1)		11	Pressure Boosting(upward)
		PB-601/C601SMA	Single phase 220V	600(4/5)	28	3	18	4,800	3,600(12m)	32(1 1/4)		14	Pressure Boosting(upward)
		PWS-200/C200SMA	Single phase 220V	200(1/4)	10	3	7	1,800	1,140(12m)	20(3/4)		15	Automatic Flow Sensor type
		PWS-350/C350SMA	Single phase 220V	350(1/2)	19	3	16	2,100	1,560(12m)	25(1)		17	Automatic Flow Sensor type
		PW-200/C200SMA	Single phase 220V	200	15	8	7	1,800	1,140(12m)	20(3/4)		11	Automatic Small Pressure Tank
		PW-201/C201SMA	Single phase 220V	200	19	8	11	1,200	540(12m)	15(1/2)		11	Automatic Small Pressure Tank
		PW-350/C350SMA	Single phase 220V	350	24	8	16	2,100	1,560(12m)	25(1)		14	Automatic Small Pressure Tank
		PW-S354SMA	Single phase 220V	350	24	8	16	2,100	1,560(12m)	25(1)		10	Automatic Small Pressure Tank
		PW-350NMA	Single phase 220V	350	24	8	16	2,100	1,560(12m)	25(1)		20	Automatic Big Pressure Tank
		PW-353NMA	Single phase 220V	350	24	8	16	2,100	1,560(12m)	32(1 1/4)		19	Automatic Big Pressure Tank
		PW-600/C600SMA	Single phase 220V	600(4/5)	26	8	18	3,300	2,400(12m)	32(1 1/4)		29	Automatic Small Pressure Tank
		PW-601/C601LMA	Single phase 220V	600(4/5)	30	8	22	3,000	1,920(12m)	32(1 1/4)		34	High Head Type
		PW-952/C952LMA	Single phase 220V	950(1.2)	33	8	25	5,400	4,500(12m)	40(1 1/2)		37	High Head Type
		PW-2200/C2200MA	Single phase 220V	2,200(3)	53	8	45	5,500	2 ,700(52m)	40(1 1/2)		55	High Head Type
		PW-2200/C2200UA	Three phase 380V	2,200(3)	53	8	45	5,500	2,700(52m)	40(1 1/2)		55	High Head Type
		PU-954LMA	Single phase 220V	950(1.2)	18	6	12	9,300	8,400(16m)	40(1 1/2)		39	Pressure Boosting(1 tank)
		PU-S991LMA	Single phase 220V	990(1.3)	26	6	20	9,600	9,000(16m)	40(1 1/2)	40(1 1/2)	26	Pressure Boosting(1 tank)
		PBE-202LMA	Single phase 220V	550(3/5)	15		15	6,600	3,000(15m)	25(1)		20	Pressure Boosting(1 tank)
		PBE-203LMA	Single phase 220V	750(1)	25		25	6,600	3,000(25m)	25(1)		30	Pressure Boosting(1 tank)
		PBE-402LMA	Single phase 220V	750(1)	15		15	10,200	6,000(15m)	32(1 1/4)	25(1)	31	Pressure Boosting(1 tank)
		PBE-403LMA	Single phase 220V	1,100(1.5)	25		25	11,000	6,000(25m)	32(1 1/4)	25(1)	35	Pressure Boosting(1 tank)
		PBI-(L)203MA	Single phase 220V	750(1)	47		47	6,000	6,000(0.5m)	25(1)		10.5	Inverter Pump
		PBI-(L)205MA	Single phase 220V	1,100(1.5)	80		80	6,000	6,000(0.5m)	25(1)		12.1	Inverter Pump
		PBI-(L)402MA	Single phase 220V	750(1)	30		30	10,000	10,000(0.5m)	32(1 1/4)	25(1)	10.5	Inverter Pump
		PBI-(L)403MA	Single phase 220V	1,100(1.5)	46		46	10,000	10,000(0.5m)	32(1 1/4)	25(1)	12.1	Inverter Pump
		PBI-(L)404MA	Single phase 220V	1,500(2)	62		62	10,000	10,000(0.5m)	32(1 1/4)	25(1)	14.6	Inverter Pump
		PBI-(L)405MA	Single phase 220V	1,850(2.5)	72		72	10,000	5,400(40m)	32(1 1/4)	25(1)	15.5	Inverter Pump
		PBI-406UA	Three phase 380V	2,200(3)	92		92	10,020	10,020(0.5m)	32(1 1/4)	25(1)	20	Inverter Pump
		PBI-(L)802MA	Single phase 220V	1,500(2)	30		30	18,000	8,400(20m)	40(1 1/2)	32(1 1/4)	13.9	Inverter Pump
		PBI-(L)803MA	Single phase 220V	1,850(2.5)	48		48	18,000	12,600(20m)	40(1 1/2)	32(1 1/4)	16	Inverter Pump
		PBI-804UA	Three phase 380V	2,500(3.5)	65		65	17,400	7,000(0.5m)	40(1 1/2)	32(1 1/4)	21	Inverter Pump
		PBI-L303MA	Single phase 220V	750(1)	40	6	34	18,000	4,980(0.5m)	25(1)		18	Self-priming Inverter Pump
		PBI-L304MA	Single phase 220V	1.1(1.5)	60	6	54	18,000	4,800(50m)	25(1)		58	Self-priming Inverter Pump
		PBI-L603MA	Single phase 220V	1,100(1.5)	46	6	40	18,000	6,000(60m)	32(1 1/4)	25(1)	62	Self-priming Inverter Pump
		PBI-L991MA	Single phase 220V	1,500(2)	26	6	20	18,000	18,000(0.5m)	40(1 1/2)	32(1 1/4)	18	Self-priming Inverter Pump
		PBI-LD402MA	Single phase 220V	750(1)×2	36		30	5,900	5,000(0.5m)	50(2)		56	Inverter Pump
		PBI-LD403MA	Single phase 220V	1,100(1.5)×2	48		48	5,900	5,000(0.5m)	50(2)		57	Inverter Pump
		PBI-(L)D404MA	Single phase 220V	1,500(2)×2	60		60	18,000	4,800(50m)	50(2)		58	Inverter Pump
		PBI-(L)D405MA	Single phase 220V	1,850(2.5)×2	75		75	18,000	6,000(60m)	50(2)		62	Inverter Pump
		PBI-(L)D802MA	Single phase 220V	1,500(2)×2	30		30	30,000	16,800(20m)	65(2 1/2)		55	Inverter Pump
		PBI-(L)D803MA	Single phase 220V	1,850(2.5)×2	46		46	30,000	16,800(35m)	65(2 1/2)		64	Inverter Pump
		PBI-W406UA	Three phase 380V	2,200(3)X2	90		90	20,000	10,800(70m)	50(2)	50(2)	125	Inverter Pump
		PBI-W804UA	Three phase 380V	2,500(3.5)X2	65		65	36,000	21,600(50m)	65(2 1/2)	65(2 1/2)	135	Inverter Pump
		PBI-W805UA	Three phase 380V	3,000(4)X3	80		80	54,000	23,400(60m)	80(2 1/4)	80(2 1/4)	230	Inverter Pump
		PBI-T406UA	Three phase 380V	2,200(3)X3	90		90	30,000	16,200(70m)	65(2 1/2)	65(2 1/2)	185	Inverter Pump
		PBI-T804UA	Three phase 380V	2,500(3.5)X3	65		65	54,000	32,400(50m)	80(2 1/4)	80(2 1/4)	200	Inverter Pump
		PBI-T805UA	Three phase 380V	3,000(4)X3	80		80	35,000	15,600(60m)	80(2 1/4)	80(2 1/4)	115	Inverter Pump
Multi Purpose	Non Automatic	PW-200/C200M	Single phase 220V	200	21	8	13	1,800	1,140(12m)	20(3/4)		11	Self-priming Booster Pump
		PW-350/C350M	Single phase 220V	350	32	8	24	2,100	1,560(12m)	25(1)	25(1)	13	Self-priming Booster Pump
		PW-351/C351M	Single phase 220V	350	32	8	24	2,100	1,560(12m)	15(1/2)	15(1/2)	13	Self-priming Booster Pump
		PW-600/C600M	Single phase 220V	600(4/5)	36	8	28	3,300	2,400(12m)	32(1 1/4)	32(1 1/4)	19	Self-priming Booster Pump
		PW-952/C952M	Single phase 220V	950(1.2)	43	8	35	5,400	4,500(12m)	40(1 1/2)	40(1 1/2)	23	Self-priming Booster Pump

Wilo Pump Technical data (Household Product)

Division		Model	Power Source	Output W (HP)	Total head	Suction	Discharge head	Flow rate(ℓ/hr)		Diameter mm(inch)		Weight (Kg)	Remark
					10 20 30 40 50 60 70	30 20 10	10 20 30 40 50 60 70	Max.	Name plate mark	Suction	Discharge		
Multi Purpose	Non Automatic	PW-2200/C2200M	Single phase220V	2,200(3)	68	8	60	6,600	3,000(63m)	40(1 1/2)	40(1 1/2)	34	Self-priming Booster Pump
		PW-2200/C2200I	Three phase 220V/380V	2,200(3)	68	8	60	6,600	3,000(63m)	40(1 1/2)	40(1 1/2)	34	Self-priming Booster Pump
		PUN-350M	Single phase 220V	350	21		21	6,600	5,400(0.5m)	25(1)	25(1)	7.5	Non automatic Centrifugal Pump
		PUN-600M	Single phase 220V	600	28		28	6,600	1,200(12m)	32(1 1/4)	32(1 1/4)	12	Non automatic Centrifugal Pump
		PUN-951M	Single phase 220V	950	22		22	28,800	21,000(8m)	50(2)	50(2)	22	Non automatic Centrifugal Pump
		PUN-990M	Single phase 220V	990	37		37	15,000	6,000(30m)	32 (1 1/4)	32 (1 1/4)	20	Non automatic Centrifugal Pump
		PUN-1850M	Single phase 220V	1,850	32		32	24,000	18,000(20m)	50(2)	50(2)	22	Big flow rate Agricultural/Industrial Application
		PUN-1850U	Three phase 380V	1,850	32		32	24,000	18,000(20m)	50(2)	50(2)	22	Big flow rate Agricultural/Industrial Application
		PUN-1850I	Three phase 220V/380V	1,850	32		32	24,000	18,000(20m)	50(2)	50(2)	22	Big flow rate Agricultural/Industrial Application
		PWN-350M	Single phase 220V	350	22		22	1,800	1,200(12m)	15(1/2)	15(1/2)	8	Non Self-priming booster Pump
		PWN-351M	Single phase 220V	350	32		32	1,800	1,200(12m)	15(1/2)	15(1/2)	8	Non Self-priming booster Pump
		PWN-352M	Single phase 220V	350	32		32	1,800	1,200(12m)	15(1/2)	15(1/2)	8	Non Self-priming booster Pump
		PF-065M	Single phase 220V	40(1/18)	4	1	3	1,800	1,200(12m)	16mm호스	16mm호스	7	Handy Pump
		AP-120M	Single phase 220V	40(1/18)	5		5	4,800	4,800(3m)	25mm호스	25mm호스	2.7	Multi Purpose
Agricultural/Industrial Application	Non Automatic	PU-S600/604M	Single phase 220V	600(4/5)	15	8	7	17,220	9,600(7m)	40(1 1/2)	40(1 1/2)	12	Sea water application
		PU-S600U	Three phase 380V	600(4/5)	15	8	7	17,220	9,600(7m)	40(1 1/2)	40(1 1/2)	12	Sea water application
		PU-S990M	Single phase 220V	990(1 1/4)	21	8	13	24,000	15,600(9m)	50(2)	50(2)	22	Sea water application
		PU-S990U	Three phase 380V	990(1 1/4)	21	8	13	24,000	15,600(9m)	50(2)	50(2)	22	Sea water application
		PU-S990I	Three phase 220V/380V	990(1 1/4)	21	6	13	24,000	15,600(9m)	50(2)	50(2)	22	Sea water application
		PU-S1700M	Single phase 220V	1,700(2)	27	6	21	27,000	17,400(9m)	50(2)	50(2)	32	Sea water application
		PU-S1700I	Three phase 220V/380V	1,700(2)	27	6	21	27,000	17,400(9m)	50(2)	50(2)	30	Sea water application
		PU-S3001M	Single phase 220V	2,200(3)	22	8	14	57,480	37,200(9m)	80(3)	80(3)	47	Sea water application
		PU-S3001I	Three phase 220V/380V	2,200(3)	22	8	14	57,480	37,200(9m)	80(3)	80(3)	47	Sea water application
		PU-350M	Single phase 220V	350	10	6	4	9,300	5,400(4m)	32(1 1/4)	32(1 1/4)	16	Agricultural/Industrial application
		PU-602M	Single phase 220V	600(4/5)	16	8	8	17,220	10,200(7m)	40(1 1/2)	40(1 1/2)	16	Agricultural/Industrial application
		PU-602U	Three phase 380V	600(4/5)	16	8	8	17,220	10,200(7m)	40(1 1/2)	40(1 1/2)	16	Agricultural/Industrial application
		PU-651M	Single phase 220V	600(4/5)	17	8	9	17,400	10,800(7m)	40(1 1/2)	40(1 1/2)	17	Agricultural/Industrial application
		PU-950M/955M	Single phase 220V	950(1 1/4)	22	8	14	25,200	17,280(8m)	50(2)	50(2)	34	Agricultural/Industrial application
		PU-950U	Three phase 380V	950(1 1/4)	22	8	14	25,200	17,280(8m)	50(2)	50(2)	34	Agricultural/Industrial application
		PU-950I	Three phase 220V/380V	950(1 1/4)	22	8	14	25,200	17,280(8m)	50(2)	50(2)	34	Agricultural/Industrial application
		PU-951/952/956M	Single phase 220V	950(1 1/4)	22	8	13.5	22,500	15,900(8m)	50(2)	50(2)	34	Agricultural/Industrial application
		PU-954M	Single phase 220V	950(1 1/4)	29	5	24	16,140	8,400(18m)	50(2)	50(2)	30	Agricultural/Industrial application
		PU-994M	Single phase 220V	1,500(2)	32	5	27	20,400	10,200(25m)	50(2)	50(2)	30	Agricultural/Industrial application
		PU-1700I	Three phase 220V/380V	1,700(2)	30	8	22	28,800	18,000(9m)	50(2)	50(2)	43	Agricultural/Industrial application
		PU-1700M	Single phase 220V	1,700(2)	30	8	22	28,800	18,000(9m)	50(2)	50(2)	45	Agricultural/Industrial application
		PU-1700N	Three phase 440V	1,700(2)	30	8	22	28,800	18,000(9m)	50(2)	50(2)	45	Agricultural/Industrial application
		PU-1701M	Single phase 220V	1,700(2)	26		26	25,200	18,000(9m)	50(2)	50(2)	45	Pressure Boosting
		PU-1701I	Three phase 220V/380V	1,700(2)	26		26	25,200	18,000(9m)	50(2)	50(2)	45	Pressure Boosting
		PUM-1703I	Three phase 220V/380V	1,500(2)	36	6	30	17,400	7,800(30m)	40(1 1/2)	40(1 1/2)	47	High Pressure Booster Pump
		PUM-1703M	Single phase 220V	1,500(2)	36	6	30	17,400	7,800(30m)	40(1 1/2)	40(1 1/2)	47	High Pressure Booster Pump
		PUM-1703N	Three phase 440V	1,500(2)	36	6	30	17,400	7,800(30m)	40(1 1/2)	40(1 1/2)	47	High Pressure Booster Pump
		PU-2300I	Three phase 220V/380V	2,200(3)	22	8	14	57,480	37,200(9m)	80(3)	80(3)	47	3HP 3inch Pump
		PU-2300M	Single phase 220V	2,200(3)	22	8	14	57,480	37,200(9m)	80(3)	80(3)	47	3HP 3inch Pump
		PU-3000I	Three phase 220V/380V	3,000(4)	35	8	27	30,000	20,400(9m)	50(2)	50(2)	45	Agricultural/Industrial application
Deep Well Application	Non Automatic	PC-350NMA	Single phase 220V	350	29	18	11	2,400(12m)		32(1 1/4)	25(1)	31	Deep well application(Small tank)
		PC-350SMA	Single phase 220V	350	29	18	11	720(28m)		32(1 1/4)	25(1)	21	Deep well application(Big tank)
		PC-351NMA	Single phase 220V	350	23	12	11	720(28m)		32(1 1/4)	25(1)	31	Deep well application(Big tank)
					29	18	11	720(28m)					
		PC-601NMA	Single phase 220V	600(4/5)	24	12	12	2,040(23m)		32(1 1/4)	25(1)	31	Deep well application(Big tank)
					30	18	12	1,500(29m)		32(1 1/4)	25(1)	31	
					36	24	12	900(35m)		32(1 1/4)	25(1)	31	
					42	30	12	480(41m)		32(1 1/4)	25(1)	21	
		PC-600LMA	Single phase 220V	600(4/5)	24	12	12	2,040(23m)		32(1 1/4)	25(1)	33	Booster for High rise Application
		PC-950LMA	Single phase 220V	950(1 1/4)	37	12	25	3,000(25m)		32(1 1/4)	25(1)	37	Booster for High rise Application
		PC-600M	Single phase 220V	600(4/5)	24	12	22	2,040(23m)		32(1 1/4)	25(1)	21	Deep well application (non automatic)
					40	18	22	1,500(29m)		32(1 1/4)	25(1)	21	
					46	24	22	900(35m)		32(1 1/4)	25(1)	21	
					52	30	22	480(41m)		32(1 1/4)	25(1)	21	

Wilo Pump Technical data (Household Product)

Division		Model	Power Source	Output W (HP)	Total head	Suction	Discharge head	Flow rate(ℓ/hr)		Diameter mm(inch)		Weight (Kg)	Remark
					10 20 30 40 50 60 70	30 20 10	10 20 30 40 50 60 70	Max.	명판표시	Suction	Discharge		
Deep Well Application	Non Automatic	PC-950M	Single phase220V	950(1 1/4)	59	24	35	1,500(36m)		32(1 1/4)	25(1)	31	Deep well application (non automatic)
					65	30	35	900(42m)		32(1 1/4)	25(1)	31	
					70	35	35	600(47m)		32(1 1/4)	25(1)	31	
Hot Water Circulation	Non Automatic	PH-037M	Single phase 220V	6(1/125)	1		1	1,500	900(0.5m)	25(1)	25(1)	3.5	Hot water circulation
		PH-045M/K043M	Single phase 220V	40(1/18)	4.5		4.5	3,600	2,100(3m)	25(1)	25(1)	4.5	Hot water circulation
		PH-046M	Single phase 220V	40(1/18)	4.5		4.5	3,600	2,100(3m)	32(1 1/4)	32(1 1/4)	4.5	Hot water circulation
		PH-080M	Single phase 220V	80(1/9)	7		7	6,900	4,500(4m)	40(1 1/2)	40(1 1/2)	6.5	Hot water circulation
		PH-081M	Single phase 220V	80(1/9)	7		7	6,900	4,500(4m)	32(1 1/4)	32(1 1/4)	6.5	Hot water circulation
		PH-200M	Single phase 220V	200(1/4)	7		7	9,600	8,160(4m)	40(1 1/2)	40(1 1/2)	11	Hot water circulation
		PH-250M	Single phase 220V	250(1/3)	7		7	13,000	10,680(4m)	50(2)	50(2)	15	Hot water circulation
		PH-350M	Single phase 220V	350(1/2)	8.5		8.5	18,000	15,000(4m)	50(2)	50(2)	12	Hot water circulation
		PH-600M	Single phase 220V	600(4/5)	11		11	19,200	17,400(4m)	65(2 1/2)	65(2 1/2)	20	Hot water circulation
		PH-601M	Single phase 220V	600(4/5)	11		11	19,200	17,400(4m)	80(3)	80(3)	20	Hot water circulation
		PH-600U	Three phase 380V	600(4/5)	11		11	19,200	17,400(4m)	65(2 1/2)	65(2 1/2)	20	Hot water circulation
		PH-950M	Single phase220V	950(1 1/4)	19		19	17,500	15,600(4m)	50(2)	50(2)	22	Hot water circulation
		PH-950U	Three phase 380V	950(1 1/4)	19		19	17,500	15,600(4m)	50(2)	50(2)	22	Hot water circulation
		PH-950I	Three phase 220V/380V	950(1 1/4)	19		19	17,500	15,600(4m)	50(2)	50(2)	22	Hot water circulation
		RS 15/6	Single phase 220V	40(1/18)	6		6	2,100	1,020(4m)	15(1/2)	15(1/2)	2	Hot water circulation
		RS 20/6	Single phase 220V	40(1/18)	6		6	2,700	1,500(4m)	20(3/4)	20(3/4)	2	Hot water circulation
		RS 25/6	Single phase 220V	40(1/18)	6		6	3,000	1,500(4m)	25(1)	25(1)	2	Hot water circulation
		PUF-950M	Single phase 220V	950(1)	22		22	17,400	17,400(0.5m)	40(1 1/2)	40(1 1/2)	7	Filter Pump
		PUF-1700I	Three phase 220V/380V	1,700(2)	28		28	21,000	21,000(0.5m)	40(1 1/2)	40(1 1/2)	7	Filter Pump
		PUF-1700M	Single phase 220V	1,700(2)	28		28	21,000	21,000(0.5m)	40(1 1/2)	40(1 1/2)	7	Filter Pump
		PUF-1700N	Three phase 440V	1,700(2)	28		28	21,000	21,000(0.5m)	40(1 1/2)	40(1 1/2)	7	Filter Pump
Drainage & Sewage	Non Automatic(automatic)	PD-G050M(A)	Single phase 220V	80(1/10)	5		5	4,200	3,000(1m)	-	20,25(1)	4	Volute
		TS32/10(A, LA)	Single phase 220V	350(2/5)	10		10	10,500	10,500(1m)	-	32(1 1/4)	6.5	Volute
		TS40/13(A, LA)	Single phase 220V	600(4/5)	13		13	13,200	9,000(5m)	-	40(1 1/2)	8.5	Volute
		PD-401M(A, LA)	Single phase 220V	400(1/2)	11		11	15,000	9,000(7m)	-	50(2)	19	Volute
		PD-A401M(A, LA)	Single phase 220V	600(4/5)	14		14	17,400	12,000(7m)	-	50(2)	12/13	Volute
		PD-S401M	Single phase 220V	600(4/5)	14		14	17,400	12,000(7m)	-	50(2)	12	Volute
		PD-751M(A)	Single phase 220V	950(1 1/4)	14		14	21,000	15,000(7m)	-	50(2)	24	Volute
		PD-H751M(A)	Single phase 220V	950(1 1/4)	28		28	13,800	7,200(20m)	-	40(1 1/2)	24	Volute
		PD-H753M/MA	Single phase 220V	950(1 1/4)	28		28	13,800	7,200(20m)	-	50(2)	25	Volute
		PD-A751M(A)	Single phase 220V	950(1 1/4)	18		18	22,200	18,000(7m)	-	50(2)	15	Volute
		PD-S751M(A)	Single phase 220V	950(1 1/4)	18		18	22,200	18,000(7m)	-	50(2)	15	Volute
		PDV-270M(A, LA)	Single phase 220V	300(2/5)	9		9	12,000	8,700(3m)	-	32(1 1/4)	15	Vortex
		PDV-400M(A, LA)	Single phase 220V	400(1/2)	9		9	15,000	7,800(6m)	-	50(2)	19	Vortex
		PDV-A400M(A, LA)	Single phase 220V	600(4/5)	11		11	17,400	10,800(6m)	-	50(2)	12	Vortex
		PDV-750M(A)	Single phase 220V	950(1 1/4)	12		12	21,000	15,000(6m)	-	50(2)	24	Vortex
		PDV-753/754M(A)	Single phase 220V	950(1 1/4)	12		12	21,000	15,000(6m)	-	50(2)	24	Vortex
		PDV-A750M(A)	Single phase 220V	950(1 1/4)	16		16	21,000	18,000(6m)	-	50(2)	15	Vortex
		PD-1500M(A)	Single phase 220V	1,500(2)	21		21	36,000	21,000(10m)	-	80(3)	40/41	Volute
		PD-1500I	Three phase 380V	1,500(2)	23		21	24,000	15,000(17m)	-	50(2)	40	Volute
		PDV-752I	Three phase 380V	950(1 1/4)	12		12	21,000	15,000(6m)	-	50(2)	24	Vortex
		PDV-753/754I	Three phase 380V	950(1 1/4)	12		12	21,000	15,000(6m)	-	50(2)	24	Vortex
		PDN-1400/1404M(A)	Single phase 220V	950(1 1/4)	18		18	24,000	18,000(7m)	-	50(2)	30	Non-Clog Type
		PDN-1403M	Single phase 220V	950(1 1/4)	18		18	24,000	18,000(7m)	-	50(2)	30	Non-Clog Type
		PDN-1401/1403/1404I	Three phase 380V	950(1 1/4)	18		18	24,000	18,000(7m)	-	50(2)	29	Non-Clog Type
		DLV-270M(A)	Single phase 220V	300(2/5)	9		9	12,000	8,700(3m)	-	32(1 1/4)	23	Vortex
		PD-200M(A, LA)	Single phase 220V	200(1/4)	9		9	84,000	7,800(1m)	-	20, 25, 32(1)	4	Volute
		PD-350M(A, LA)	Single phase 220V	350(1/2)	11		11	114,000	10,800(1m)	-	25,32(1)	4.5	Volute
		PD-550M(A, LA)	Single phase 220V	700(1)	14		14	15,000	8,700(7m)	-	50(2)	7.5	Volute
		PD-760M(A, LA)	Single phase 220V	1,100(1 1/2)	18		18	18,000	12,000(7m)	-	50(2)	8.0	Volute

Pioneering for You

“Making. Life. Easy.”

Wilo continuously invests in research and development, always keeping our eyes on one goal:
making our products even better and making your life easier. With pumps that are reliable, quick to install and easy to use.

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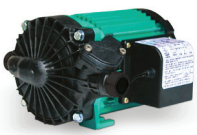

PB-S250MA

PD-550/760MA

PE-400MA

PBI-Series

PBI W/T Series

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