



U-SERIES INVERTER BOOSTER PUMP SYSTEMS

CATALOG 60HZ



ASIA AUTOMATIC PUMP CO., LTD



<http://www.evergushpump.com.tw>



US/UB/UP SERIES

Inverter booster pump systems

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Structure

EVERGUSH inverter booster system is combined from all kinds of water pumps, diaphragm pressure tanks, pressure sensor, control panels, valves, pipe fittings and baseplates. We also can custom made specific pump models or materials depend on customer or on site requirements, including simplex operation systems, duplex alternating operation systems, or multi-alternating operation systems. Custom made products will be more suitable for different conditions at sites.

Certification

Inverter booster system is certified by ISO9001:2008 and CNS12681 Taiwan national certification.

Features

1. Constant pressure: It can maintain constant pressure within water supply system. There will be no pressure variance. You can even adjust needed pressure for your requirement.
2. No more frequent on/off problem: Unlike traditional differential pressure type control method, it won't have on/off problem even when you only need small water capacity each time.
3. Improves differential pressure type control method drawback: It improves the condition with sudden change of temperature in water(Different capacity requirement will cause different pressure).
4. No water hammer effect or condition of instant start that might cause high current: The pump system has soft start and stop function. It can help avoid instant start that might cause high current. It also help avoid water hammer effect. It helps to save cost of purchasing other depressurization equipments.
5. Energy saving: Inverter controls the pump. High efficiency. It will change motor rotational speed depend on how much water you are using.
6. Saves installation cost and time: You won't need RC water tank. The pump system can boost the water pressure directly for the whole building. This way can save installation cost and time.
7. Low operating noise: It uses soft start and stop function, so there's no water hammer or loud mechanical operation noise.
8. Dry running protection: If water shortage occurs, it will stop automatically within 1 minute in order to protect it from burn up. It will re-detect water source every 20 minutes after it stops. If the water is back to normal, it will restart the pump again.(P.S. Re-detect time setting can be changed depend on customer requirement)

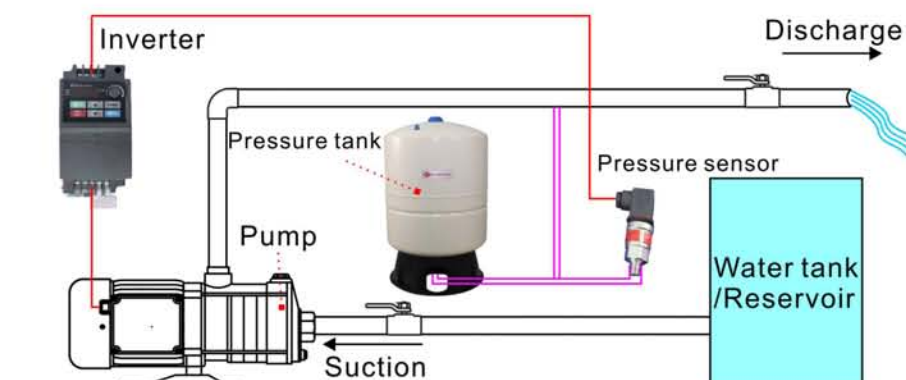
Applications

1. Water supply boosting for apartments, households, villas and residences.
2. Water supply boosting for public facilities, parks, motel, hotels, restaurants and barber shops.
3. Water supply boosting for factories, IC manufacture industries, machinery precision industries.
4. Water supply boosting for car wash shops, booster (pumping) stations, water treatment equipments, construction sites.

Inverter functions

This equipment can change to suitable pressure according to differential pressure in the system. The inverter will compare values that are gathered from sensor signal and preset value in the setting. It will send continuous analog output signal(4~20mA) back to inverter. The inverter will change frequency(0~60hz) according to signal variation(4~20mA). The motor will change rotational speed according to frequency variation(0~60hz). It will have constant pressure, dry running protection, zero water hammer effect and soft start/stop functions.

Pump system installation diagram



Operation method

Simplex operation



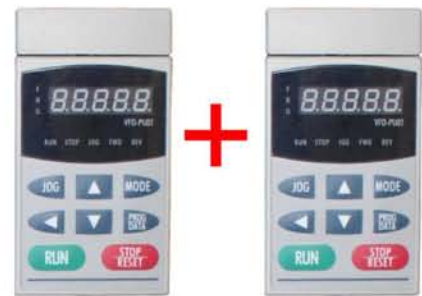
Single inverter control pump in operation

Alternating operation



Two inverter control pumps will switch operation after a certain period of time. This way can extend inverter and pump life span.

Parallel operation



When a pump is running at full speed, but pressure is not enough. The second pump will join in, so two pumps running at same time.



Inverter booster system additional function

If two inverters or pressure sensor are malfunctioned at the same time, you can switch to Manual mode. The pressure switch will be in control. If it is controlled by Human Machine Interface panel, you will need to switch it to MS mode. The pressure switch will be in control.

P.S. Only duplex or multi operation is suitable.

Model Code

1. US series simplex operation inverter booster system model

US50-CP-23.7

US50-CP-23.7
 — Horsepower(KW)
 — R.P.M(2P or 4P)
 — Pump model — CP: Cast iron type
 CPS: SUS type
 — Suction/Discharge diameter(mm)
 — Simplex operation

US50-SQD-23.7

US50-SQD-23.7
 — Horsepower(KW)
 — R.P.M(2P or 4P)
 — Pump model
 — Suction/Discharge diameter(mm)
 — Simplex operation

US50-ECM8-30-8L

US50-ECM8-30-8L
 — 8L pressure tank
 — Pump model
 — Suction/Discharge diameter(mm)
 — Simplex operation

2. UP(UB) series duplex operation inverter booster system model

UP80-CP50-23.7

UP80-CP50-23.7
 — Horsepower(KW)
 — R.P.M(2P or 4P)
 — Suction/Discharge diameter(mm)
 — Pump model
 — Interflow pipeline diameter(mm)
 — Duplex operation — UP: Duplex operation with two inverters
 UB: Duplex operation with one inverter

UP80-50ECM8-30

UP80-50ECM8-30
 — Pump model
 — Suction/Discharge diameter(mm)
 — Interflow pipeline diameter(mm)
 — Duplex operation — UP: Duplex operation with two inverters
 UB: Duplex operation with one inverter

UP80-50ECDL8-5-23.7

UP80-50ECDL8-5-23.7
 — Horsepower(KW)
 — R.P.M(2P or 4P)
 — Pump model
 — Suction/Discharge diameter(mm)
 — Interflow pipeline diameter(mm)
 — Duplex operation — UP: Duplex operation with two inverters
 UB: Duplex operation with one inverter

Selection for pressure tank--Diaphragm type pressure tank




Casing material: Metal casing(SUS is selectable)
Working pressure: Max. 10kg/cm²
Capacity: 8L, 20L, 80L, 100L.
Connector: 3/4"~1"

Features:

1. Metal casing, and its durability is way better than plastic made products.
2. Metal molecule is much smaller, so it will not have the possibility of losing pressure.
3. Diaphragm type design, so it can provide stable capacity.
4. Water and metal are isolated, so it will not rust inside.

Selection for inverter--Inverter



Brand: Delta(conforms to CE and UL certifications) or other same standards.

1. Adopts 16 bits micro-processor, sine wave control, automatic compensation functions.
2. Output frequency:0.1~400hz.
3. 16 stages of preset speed and 15 stages programmable modes, build-in PID and PG feedback control.
4. Selection for 4 types of acceleration/deceleration timers and independent type S curve of acceleration/deceleration timers.
5. Includes fan/pump program control and energy saving operation.
6. Internationalization communication format MODBUS(RS-485 can reach up to 38,400).
7. You can prohibit it to reverse, decelerate and free operation stop.
8. It can auto-tuning motor parameter, general purpose vector control, auto adjust accelerate/ decelerate timing.
9. It can adjust V/F curve and auto adjustable output regulator.
10. One main processor can control 4 motors(1 VFD drive & 3 constant pressure drive).
11. Sleep/Wake up function; main/auxiliary frequency; Selectable 1ST/2ND frequencies. It can make squirrel cage induction motor to run under 10~100% of rated rotational speed.
12. It can overload under 150% of rated current for 1 minute..

(P.S. We can choose other brands of inverters depend on customer request.)

Other accessories--pressure sensor



1. Range: 0~10 kg/cm².
2. Detection principle: pressure.
3. Protection: IP65.
4. Output signal: 0~10A or 4~22 mA.
5. Precision: 5%.

Simplex operation and single inverter control panel introduction

● Inside configuration

● Casing drawing



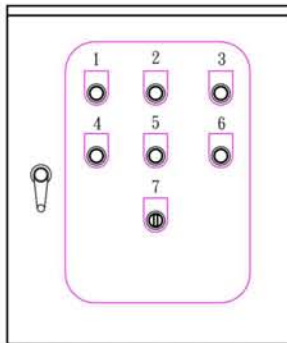
NO	Part name
1	Inverter
2	On/Off switch
3	Control Panel (Single layer door)

- Double layer door is optional depend on customer request.
- Control panel standard material is SUS304.

▲ Duplex operation control panel introduction

Standard type

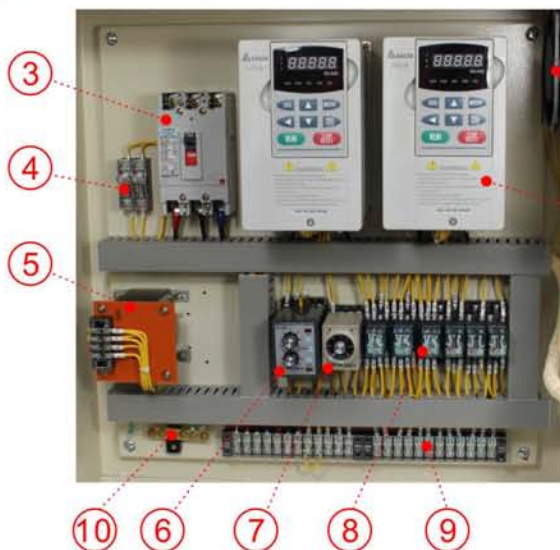
● Panel outline



NO.	Name
1	No.1 running(Red)
2	Power(White)
3	No.2 running(Red)
4	No.1 failure(Yellow)
5	No.1 Auto/Stop/Man.
6	No. 2 failure
7	No.2 Auto/Stop/Man.



● Inside configuration



NO.	Name
1	Inverter
2	Fan
3	No fuse breaker
4	Fuse
5	Transformer
6	Double timer relay
7	Timer relay
8	Auxiliary relay
9	Terminal block
10	Ground wire base

Remarks:

● Standard casing: Single layer outdoor type panel.
The material is steel made powder coating(SS41).
We can also make stainless steel material casing(SUS304) or double layer door panel.

● We can add Earth Leakage Circuit Breaker, PID controller and PLC depend on customer demands.

● Selectable electrical components(Only for duplex or multi operation control panel)

Earth Leakage Circuit Breaker

1. Leakage/overload/short circuit protection.
2. Adopts Shihlin brand or other brands.
3. Conform with CNS5422 specification.
4. Leakage is shown by mechanical button.
5. Rated voltage is common type, the range is from 110V~440V(Below voltage 480V).



PID controller(Process/Temperature Controller)

1. Fast sample data(Sampling ever 200msec); better anti-frequency performance. It can control pump system pressure through inverter driven motor.
2. Fuzzy artificial intelligence+PID computer control.
3. High precision: 18-BIT analog to digital input; 15-BIT digital to analog output.
4. Adjustable auto computing, abnormal system alarm and HEATER disconnect alarm.



Programmable Logic Controller, PLC

PLC is a electronic computing control system. It is design to have easy expand capacity, and simple way to save program. It provides sequence/position control and timer input/ouput control command. It can be widely used in industry automation control segment.

1. It has 3 build-in COM port: 1 for RS-232 and 2 for RS-485. Each can run independently.
2. Max. expandable IO digit number: 256 digit input+ 16 digit output or 256 digit ouput+16 digit input.
3. EVP-EX2 main processor has build-in 12 BIT analog resolution 4AD/2DA. It also provides 14-BIT analog resolution/temperature control module for user to choose.
4. It has build-in 8 BIT fast input(2 BIT 100KHZ and 6 BIT 10KHZ). It supports U/D, U/D DIR and A/B counting mode.
5. Adds more special motion commands: closed circuit control, benchmark, shelter, instant change speed and S curve acceleration/deceleration function.
6. Inverter convenient commands: Clockwise, counter clockwise, stop and run.
7. Password protection: Subroutine password, user password, login attempt limitation.
8. Executes commands with high efficiency.



▲ Duplex operation control panel introduction

Human Machine Interface type

● Panel outline



● Inside configuration



NO.	Name
1	Fan
2	Inverter
3	PLC
4	Terminal block
5	Auxiliary relay
6	Fuse
7	Magnetic switch
8	Switch
9	Ground wire base
10	Transformer
11	No fuse breaker
12	HMI

● Standard casing: Double layer outdoor type panel. The material is steel made powder coating(SS41).Stainless steel material panel casing(SUS304) is optional upon special request.

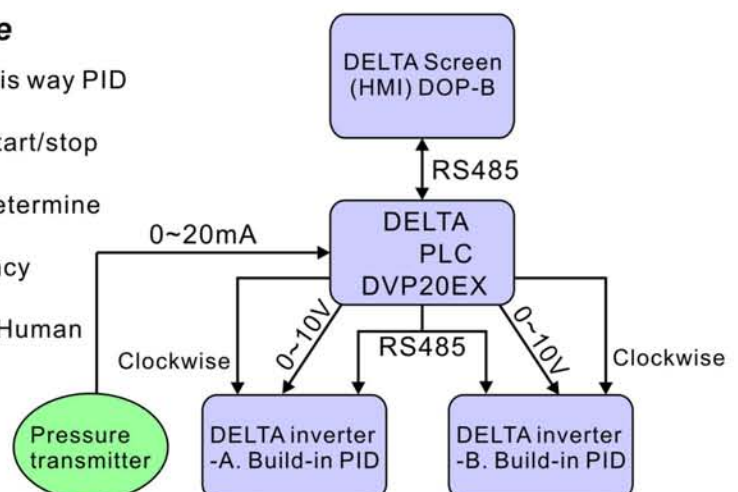
● Features of Human Machine Interface

1. Simple user friendly interface. It adopts 65536 high resolution TFT display panel.
2. You can modify PLC data or component inside inverter through USB interface
3. It can display PLC status or data on the screen.
4. You can set program variation and device data.
5. You can monitor I/O point or ON/OFF contact component inside.
6. It provides 3 languages(traditional Chinese, simplify Chinese and English. Default setting is traditional Chinese)operation menu. Users can set the language they prefer.
7. It has build-in two COM ports: RS232 and Rs485. You can have single or multiple computer systems connection.
8. The screen can display auto shut off energy saving control function.
9. It has complete functions, such as button, numerical input/display, meter, light indicator and data.
10. LCD(Liquid Crystal Display): You can see it clearly even you see it from back lighting.
11. You can monitor and control HMI system from remote control room.

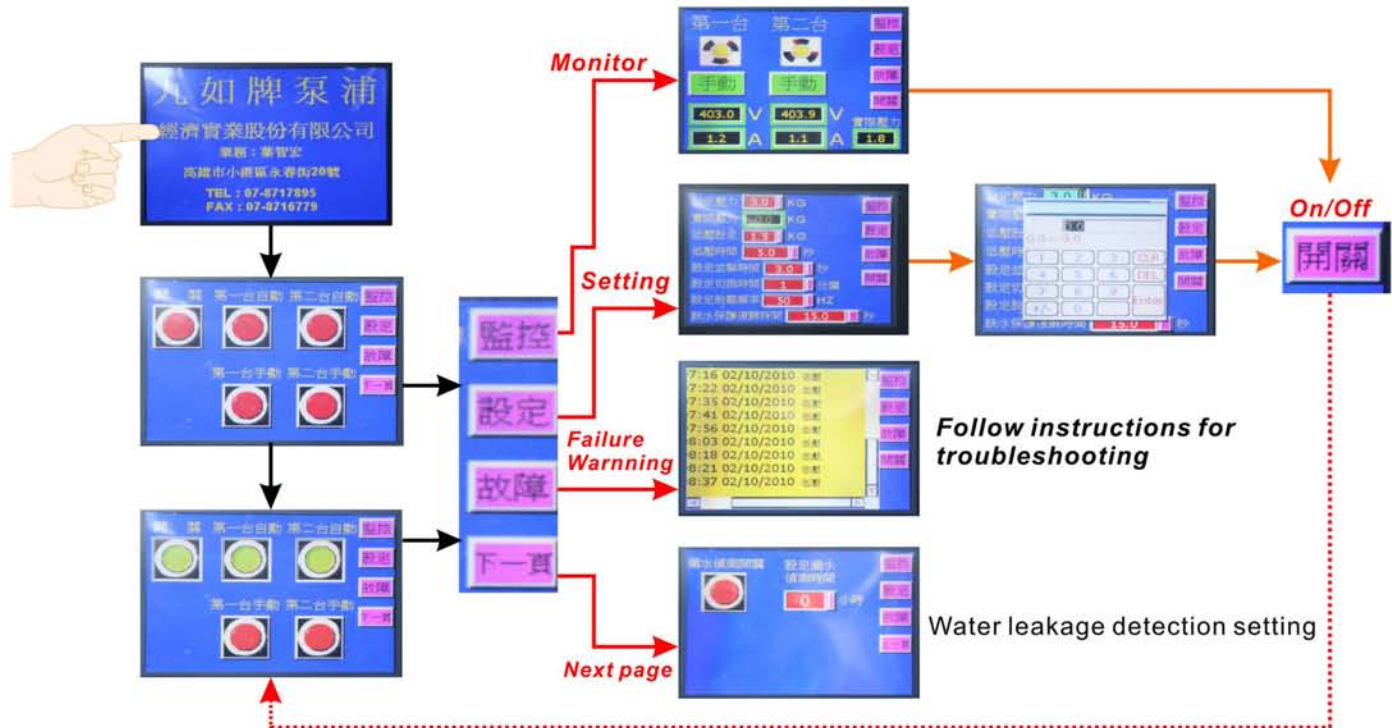


● Principle of Human Machine Interface

1. PLC can transform 4~20mA to 2 sets of 0~10C. This way PID module can run independently.
2. Uses PLC build-in I/O module to control inverter start/stop function.
3. Uses inverter RS485 COM interface and PLC to determine proper action, such as alternating operation stops, inverter frequency display, malfunction display....etc.
4. All setting and surveillance are managed through Human Machine Interface.
5. It saves inspection time and complex wiring.



Human Machine Interface operating process



● Instruction manual

1. You can touch TFT LCD screen by using your finger.
2. You can press RED button on right hand side of screen (monitor, setting, failure and next page).
3. Monitor button: It will show operation process data, such as voltage, current, pressure, manual or auto operation.
4. Button setting: Please see below.
5. Failure button: It can store up to 20 records. You can contact our company for troubleshooting.
6. Next page button: Water leakage detection. You can set leakage detection timer.

● Button setting instruction

1. Pressure setting: Sets working pressure. You can touch numeric square on the screen, and input the setting you want.
2. Actual pressure: It will display current actual pressure.
3. Low pressure setting: When working pressure is lower than preset pressure, within the duration of low pressure time setting, the system will determine it as depressurization status.
4. Low pressure timer: When working pressure is lower than preset pressure, the system will determine it as depressurization status depends on time setting for low pressure.
5. Alternating operation time setting: When first pump is operating at full speed, you can choose how long will second pump take to start operation. We suggest best time setting should be 3~6 seconds.
6. Switch over time setting: It means switch over time setting when a pump system is in alternating operation.
7. Break off time setting: When capacity usage is reduced by user, first pump will decelerate and second pump will need to stop completely.
8. Water shortage reset timing: When a pump system stops due to water shortage situation, you can set how much time it will automatic detect pipeline pressure in order to restart the system again.

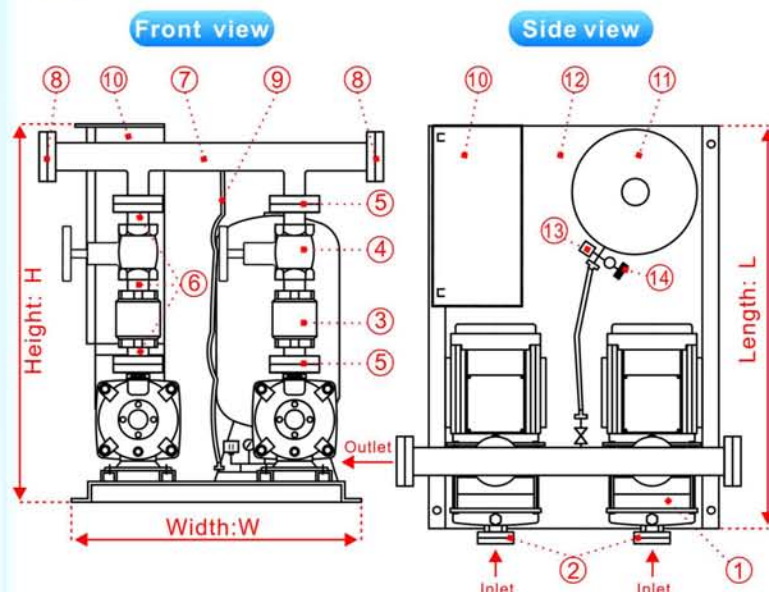


UP(UB)-EBF ; UP(UB)-ECM

Duplex alternate/parallel inverter booster pump systems



Structure and material



NO.	Name	Standard Material	Replaceable Material
1	Pump casing	SUS304	
2	Inlet flanges	SS41	SUS304
3	Check valve	BC	SUS304
4	Gate valve	BC	SUS304
5	Outlet flanges	SS41	SUS304
6	Outlet pipeline	SS41	SUS304
7	Interflow pipeline	SS41	SUS304
8	Interflow flanges	SS41	SUS304
9	High pressure hose	Rubber	SUS304
10	Inverter control panel	SS41	SUS304
11	Pressure tank	SS41	SUS304
12	Baseplate	SS41	SUS304
13	Pressure switch		
14	Pressure transmitter	SUS304	

- Standard inverter control panel is single layer outdoor type. We can change it to double layer outdoor type depends on customer demands.
- Inverter control panel can add Human Machine Interface depends on customer special requests.
- Standard pressure resistant for valve and pressure tank is 10 Kg/cm².

Suitable pumps

Stainless steel horizontal multistage centrifugal pumps

EBF Series



- Pump casing and impeller are using stainless steel material . It will make water usage more safe and clean.
 - It is multistage type impeller design. It has better performance, space saving, lightweight and low noise.
- Output: 1HP
Pole/Speed: 2P/3500rpm
Outlet/Inlet diameter: 1"(25mm)
Max. head: 36M
Max. capacity: 140L/min

ECM Series



- Pump casing and impeller are using stainless steel material . It will make water usage more safe and clean.
 - It is multistage type impeller design. It has better performance, space saving, lightweight and low noise.
- Output: 1.5~5.5HP
Pole/Speed: 2P/3500rpm
Outlet/Inlet diameter: 1", 1 1/2" & 2".
Max. head: 78M
Max. capacity: 500L/min

Main components and parts

Name	Material
Casing	SUS304
Impeller	SUS304
Guide vane	SUS304
Mech. seal	CA+CE
Shaft	SUS420
Coil	Copper
Motor casing	Aluminum alloy
Terminal box	ABS
Baseplate	FC200

- We can change mechanical seal material to **SIC+SIC(Silicon)** depends on customer demands.
- If liquid temperature is above 60 degree celsius, the mech. seal needs change to **VITON** material.

UP(UB)-EBF ; UP(UB)-ECM

Duplex alternate/parallel inverter booster pump systems

(2P;60HZ)

MODEL	HP	Pump Inlet/Outlet MM	Interflow Dia. MM	Pressure setting Kg/cm ²	Single pump rated Flow L/min	Double pumps rated Flow L/min	Max. head M	Double pumps max. capacity L/min	Pressure tank Liter	Baseplate dimensions (cm)		Pump set height H(cm)	Weight KG
										L	W		
UP(UB)40-25EBF4-8.5X3	1	25	40	2.0~2.5	90~75	180~150	36	280	20	93	91	97	118
UP(UB)50-25EBF4-8.5X3	1	25	50	2.0~2.5	90~75	180~150	36	280	20	93	91	97	124
UP(UB)40-25ECM2-40	1	25	40	3.5~4.0	50~40	100~80	48	150	20	93	91	97	123
UP(UB)40-25ECM2-60	1.5	25	40	5.0~5.8	50~40	100~80	72	150	20	93	91	97	126
UP(UB)40-25ECM4-40	1.5	25	40	4.0~4.8	100~70	200~140	55	280	20	93	91	97	128
UP(UB)50-25ECM4-40	1.5	25	50	4.0~4.8	100~70	200~140	55	280	20	93	91	97	133
UP(UB)50-40ECM8-10	1.5	40	50	1.9~2.3	150~100	300~200	28	500	20(60)	93	91	97	142
UP(UB)65-40ECM8-10	1.5	40	65	1.9~2.3	150~100	300~200	28	500	20(60)	93	91	97	152
UP(UB)50-40ECM8-15	2	40	50	3.1~3.7	150~100	300~200	43	500	20(60)	106	90	97	148
UP(UB)65-40ECM8-15	2	40	65	3.1~3.7	150~100	300~200	43	500	20(60)	106	90	97	158
UP(UB)50-40ECM8-20	2.5	40	50	3.8~4.6	150~100	300~200	53	500	20(60)	106	90	97	152
UP(UB)65-40ECM8-20	2.5	40	65	3.8~4.6	150~100	300~200	53	500	20(60)	106	90	97	162
UP(UB)50-40ECM8-25	3	40	50	5.0~6.0	150~100	300~200	68	500	20(60)	106	90	97	162
UP(UB)65-40ECM8-25	3	40	65	5.0~6.0	150~100	300~200	68	500	20(60)	106	90	97	172
UP(UB)50-40ECM8-30	5	40	50	5.7~6.9	150~100	300~200	78	500	20(60)	106	90	102	195
UP(UB)65-40ECM8-30	5	40	65	5.7~6.9	150~100	300~200	78	500	20(60)	106	90	102	205
UP(UB)50-40ECM12-10	2	40	50	2.2~2.6	200~150	400~300	31	600	20(60)	93	91	97	150
UP(UB)65-40ECM12-10	2	40	65	2.2~2.6	200~150	400~300	31	600	20(60)	93	91	97	160
UP(UB)50-40ECM12-15	3	40	50	3.5~4.1	200~150	400~300	45	600	20(60)	106	90	97	162
UP(UB)65-40ECM12-15	3	40	65	3.5~4.1	200~150	400~300	45	600	20(60)	106	90	97	172
UP(UB)50-40ECM12-20	5	40	50	4.4~5.2	200~150	400~300	58	600	20(60)	106	90	102	193
UP(UB)65-40ECM12-20	5	40	65	4.4~5.2	200~150	400~300	58	600	20(60)	106	90	102	203
UP(UB)65-50ECM16-20	4	50	65	2.2~2.8	400~267	800~534	37	1000	20(60)	106	90	102	202
UP(UB)80-50ECM16-20	4	50	80	2.2~2.8	400~267	800~534	37	1000	20(60)	106	90	102	212
UP(UB)65-50ECM16-30	5.5	50	65	3.3~4.2	400~267	800~534	55	1000	20(60)	106	90	102	220
UP(UB)80-50ECM16-30	5.5	50	80	3.3~4.2	400~267	800~534	55	1000	20(60)	106	90	102	235

Remarks: ● (UB) means duplex operation with one inverter. ● Please check out previous page "structure and material" for pump set dimensions Length(L)xWidth(W)xHeight(H).
 ● If you need more detail performance curves and dimensions for each model, please contact our distributors or branch offices.

● Special pump set specifications

MODEL	HP	Pump Inlet/Outlet MM	Interflow Dia. MM	Pressure setting Kg/cm ²	Single pump rated Flow L/min	Double pumps rated Flow L/min	Max. head M	Double pumps max. capacity L/min	Pressure tank Liter	Baseplate dimensions (cm)		Pump set height H(cm)	Weight KG
										L	W		

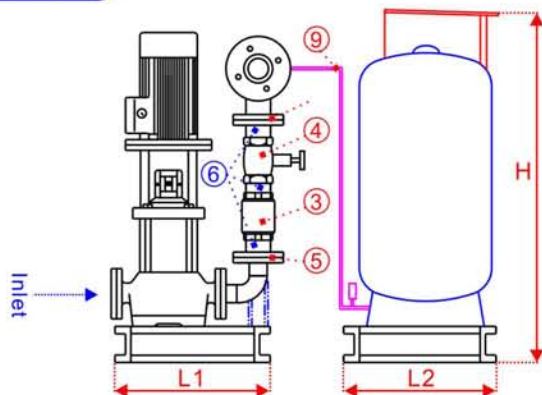
UP(UB)-ECDL

Duplex alternate/parallel inverter booster pump systems

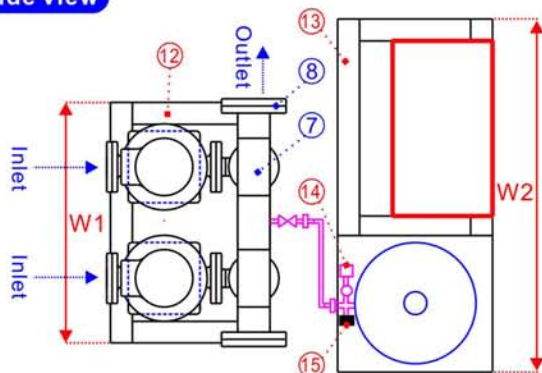


The pump set baseplate and control panel baseplate are separated.

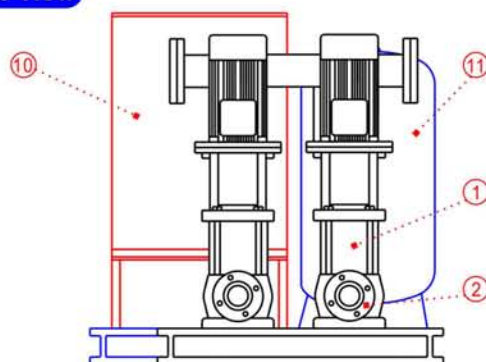
Front view



Side view



Front view



Suitable pumps

Stainless steel vertical multistage centrifugal pump

ECDL Series



1. Vertical type structure. It can save space for the pump set.
2. Multistage impeller design. It has higher head, better efficiency and bigger performance.
3. Pump casing and impeller are using stainless steel material. It will make water usage more safe and clean.
4. It has low operating noise which improves residential area living standard.
5. The motor can be chosen either EVERGUSH or TATUNG motors.
6. The motor adopts CNS 14400 national standard.
7. The motor adopts IEC international standard.
8. Horsepower range: 1HP~20HP.
9. Squirrel cage induction motors(2 pole).
10. Protection class: Ip54; Insulation class: E, B and F.
11. Discharge and suction diameters: 40mm~100mm

Main components and parts

Name:	Standard material
Pump casing	SUS304
Impeller	SUS304
Guide Vane	SUS304
Flanges	SS41 or SUS304
Mech. seal	CE+CA
Shaft	SUS420
Coil	COPPER
Motor casing	FC200
Terminal box	FC200
Coupling	FC200
Baseplate	FC200

- We can change mechanical seal material to SIC+SIC(Silicon) depends on customer demands.

Structure and material(Left graphs)

NO.	Name	Standard Material	Replaceable Material
1	Pump casing	SUS304	
2	Inlet flanges	SS41	SUS304
3	Check valve	BC;FC200	SUS304
4	Gate valve	BC;FC200	SUS304
5	Outlet flanges	SS41	SUS304
6	Outlet pipeline	SS41	SUS304
7	Interflow pipeline	SS41	SUS304
8	Interflow flanges	SS41	SUS304
9	High pressure hose	Rubber	SUS304
10	Control panel	SS41	SUS304
11	Pressure tank	SS41	SUS304
12	Baseplate (pump)	Ss41	SUS304
13	Baseplate (control panel)	SS41	SUS304
14	Pressure switch		
15	Pressure transmitter	SUS304	

- Inverter control panel can be chosen either single layer door or double layer door.
- Standard pressure resistant for valve and pressure tank is 10 Kg/cm².
- We can make both pump set and control panel on one skid depends on customer demands.

UP(UB)-ECDL

Duplex alternate/parallel inverter booster pump systems

(2P;60HZ)

MODEL	HP	Inlet/ Outlet dia.	Interflow dia.	pressure setting	Single pump rated flow	Double pumps rated flow	Max. head	Double pumps max. flow	Pressure tank	Baseplate Dimensions (cm)				Pump set height	Weight
										pump		control panel			
		MM	MM	Kg/cm ²	M ³ /hr	M ³ /hr	M	M ³ /hr	Liter	L1	W1	L2	W2	H(CM)	KG
UP(UB)50-40ECDL4-2-2.75	1	40	50	1.9~2.3	6~4	12~8	29	20	20(60)	50	60	50	118	68	280
UP(UB)50-40ECDL4-4-21.5	2	40	50	3.1~3.8	8~6	16~12	58	20	20(60)	50	60	50	118	68	290
UP(UB)50-40ECDL4-5-22.2	3	40	50	3.9~4.9	8~6	16~12	70	20	20(60)	50	60	50	118	68	312
UP(UB)50-40ECDL4-7-23.7	5	40	50	5.5~6.9	8~6	16~12	96	20	60(80)	50	60	50	118	72	325
UP(UB)50(65)-40ECDL10-2-21.5	2	40	50(65)	2.0~2.5	14~10	28~20	35	34	20(60)	50	60	50	118	71	312
UP(UB)50(65)-40ECDL10-3-22.2	3	40	50(65)	3.0~3.8	14~10	28~20	52	34	20(60)	50	60	50	118	78	322
UP(UB)50(65)-40ECDL10-4-23.7	5	40	50(65)	4.0~5.1	14~10	28~20	65	34	60(80)	50	60	50	118	88	337
UP(UB)50(65)-40ECDL10-6-24	5.5	40	50(65)	5.6~6.6	15~13	30~26	92	34	60(80)	50	60	50	118	92	368
UP(UB)50(65)-40ECDL10-7-25.5	7.5	40	50(65)	6.5~7.7	15~13	30~26	106	34	60(80)	60	90	50	128	105	410
UP(UB)65(80)-65ECDL15-2-23.7	5	65	65(80)	3.0~3.5	20~14	40~28	41	56	60(80)	50	60	50	118	88	345
UP(UB)65(80)-65ECDL15-3-24	5.5	65	65(80)	4.1~5.2	22~14	44~28	61	56	60(80)	50	60	50	118	88	381
UP(UB)65(80)-65ECDL15-4-25.5	7.5	65	65(80)	5.5~6.9	22~15	44~30	85	56	60(80)	60	90	50	128	101	424
UP(UB)65(80)-65ECDL15-5-27.5	10	65	65(80)	6.9~8.6	22~15	44~30	106	56	60(80)	60	90	50	128	88	440
UP(UB)65(80)-65ECDL20-2-24	5.5	65	65(80)	2.6~3.4	28~20	56~40	45	72	60(80)	50	60	50	118	95	373
UP(UB)65(80)-65ECDL20-3-25.5	7.5	65	65(80)	3.8~4.5	28~24	56~48	67	72	60(80)	60	90	50	128	96	422
UP(UB)65(80)-65ECDL20-4-27.5	10	65	65(80)	4.2~6.0	32~24	64~48	87	72	60(80)	60	90	50	128	101	432
UP(UB)65(80)-65ECDL20-5-211	15	65	65(80)	5.2~7.5	32~24	64~48	107	72	60(80)	70	108	50	128	122	502
UP(UB)80(100)-80ECDL32-1-23.7	5	80	80(100)	1.9~2.4	40~28	80~56	30	104	60(80)	60	60	50	118	83	415
UP(UB)80(100)-80ECDL32-2-2-25.5	7.5	80	80(100)	2.8~3.4	40~32	80~64	45	104	60(80)	60	90	50	128	106	460
UP(UB)80(100)-80ECDL32-2-1-25.5	7.5	80	80(100)	3.4~4.0	40~32	80~64	51	104	60(80)	60	90	50	128	106	460
UP(UB)80(100)-80ECDL32-2-27.5	10	80	80(100)	3.9~4.5	40~32	80~64	58	104	60(80)	60	90	50	128	106	473
UP(UB)80(100)-80ECDL32-3-2-211	15	80	80(100)	4.5~5.3	40~32	80~64	72	104	60(80)	70	108	50	128	136	565
UP(UB)80(100)-80ECDL32-3-211	15	80	80(100)	5.1~6.2	40~32	80~64	82	104	60(80)	70	108	50	128	136	565
UP(UB)80(100)-80ECDL32-4-215	20	80	80(100)	5.7~7.5	44~36	88~72	107	104	60(80)	70	108	50	150	143	650
UP(UB)80(100)-80ECDL45-1-1-25.5	7.5	80	80(100)	2.3~2.6	50~42	100~84	31	140	60(80)	60	90	50	128	108	470
UP(UB)80(100)-80ECDL45-1-27.5	10	80	80(100)	2.7~3.0	55~45	110~90	38	140	60(80)	60	90	50	128	108	485
UP(UB)80(100)-80ECDL45-2-2-211	15	80	80(100)	4.3~4.9	55~45	110~90	60	140	60(80)	70	108	50	128	133	577
UP(UB)80(100)-80ECDL45-2-215	20	80	80(100)	5.5~6.1	55~45	110~90	72	140	60(80)	70	108	50	150	133	655
UP(UB)100(125)-100ECDL64-1-1-27.5	10	100	100(125)	1.8~2.3	80~60	160~120	30	220	60(80)	70	90	50	128	108	490
UP(UB)100(125)-100ECDL64-1-211	15	100	100(125)	2.8~3.3	80~60	160~120	42	220	60(80)	82	108	50	128	126	572
UP(UB)100(125)-100ECDL64-2-2-215	20	100	100(125)	3.7~4.7	80~60	160~120	55	220	60(80)	82	108	50	150	135	663

Remarks: ● (UB) means duplex operation with one inverter.

● Please check out previous page "structure and material" for pump set dimensions Length(L)xWidth(W)xHeight(H).

● If you need more detail performance curves and dimensions for each model, please contact our distributors or branch offices.

● Special pump set specifications

MODEL	HP	Pipe dia. MM	Interflow dia. MM	pressure setting Kg/cm ²	Single pump rated flow M ³ /hr	Double pumps rated flow M ³ /hr	Max. head M	Double pumps max. flow M ³ /hr	Pressure tank Liter	Baseplate Dimensions (cm)				Pump set height H(CM)	Weight KG
										pump		control panel			
										L1	W1	L2	W2		

● If pressure setting is above 10 kg/cm², valves and pressure tanks need to change its material with pressure resistant above 10 kg/cm².

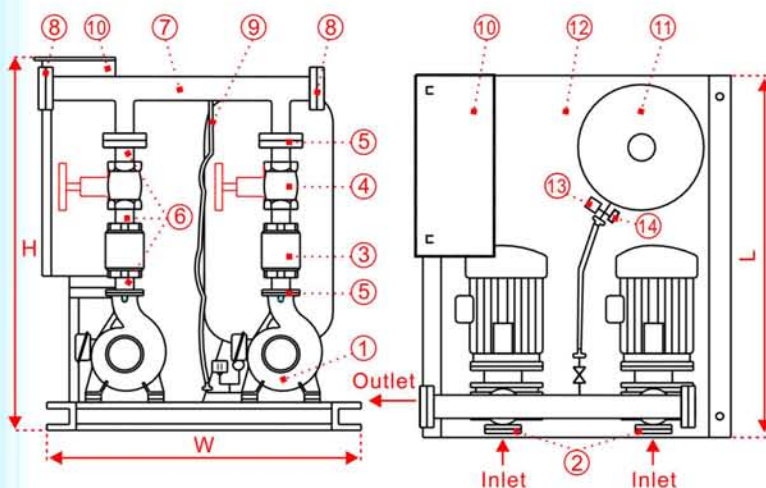
UP(UB)-CP,UP(UB)-CPS,UP(UB)-SQD Duplex alternate/parallel inverter booster pump systems



Structure and material

Front view

Side view



NO.	Name	Standard Material	Replaceable Material
1	Pump casing	Fc200	SUS304 SUS316
2	Inlet flanges	SS41	SUS304
3	Check valve	BC;FC200	SUS304
4	Gate valve	BC;FC200	SUS304
5	Outlet flanges	SS41	SUS304
6	Outlet pipeline	SS41	SUS304
7	Interflow pipeline	SS41	SUS304
8	Interflow flanges	SS41	SUS304
9	High pressure hose	Rubber	SUS304
10	Inverter control panel	SS41	SUS304
11	Pressure tank	SS41	SUS304
12	Baseplate	SS41	SUS304
13	Pressure switch		
14	Pressure transmitter	SUS304	

- Inverter control panel can be chosen either single layer door or double layer door.
- SQD series Self-Priming pump doesn't have stainless steel material

Suitable pumps

Close coupled vortex centrifugal pumps

CP series



Close coupled type design and space saving. Pump performances and specifications are very extensively. Bronze impeller has better wear-resistant effect. You can choose either EVERGUSH or TATUNG motor. The horsepower range from 1HP~20HP(2P). The motor adopts E, B and F insulation class. The protection class is IP54. Pump discharge and suction diameter: 1 1/2"~4".

CPS series



Close coupled type design and space saving. Pump performances and specifications are very extensively. Bronze impeller has better wear-resistant effect. Pump casing and impeller are using stainless steel material which has better anti-corrosive characteristic. You can choose either EVERGUSH or TATUNG motor. The horsepower range from 1HP~20HP(2P). The motor adopts E, B and F insulation class. The protection class is IP54. Pump discharge and suction diameter: 1 1/2"~4".

Self-priming pumps(Suitable for underground water)

SQD series



Close coupled type design and space saving. It adopts multistage bronze impeller design. It has better wear-resistant effect, better suction lift and higher head performances. Its suction lift max. up to 8M. The horsepower range from 1HP~7.5HP (2P). The motor adopts B insulation class. The protection class is IP54. Pump discharge and suction diameter: 1 1/2"~3".

Main components and parts

Name	Standard Material		
	SQD	CP	CPS
Casing	FC200	FC200	SUS304 SUS316
Impeller	BC6	BC6	SUS304 SUS316
Mech. seal	CE+CA+NBR		
Shaft	SUS420		
Coil	COPPER		
Motor casing	FC200		
Terminal box	FC200		
Baseplate	SS400		

- We can change mechanical seal material to SIC+SiC(Silicon) depends on customer demands.
- If liquid temperature is above 60 degree celsius, the mech. seal needs change to VITON material.

UP(UB)-CP,UP(UB)-CPS,UP(UB)-SQD

Duplex alternate/parallel inverter booster pump systems

(2P;60HZ)

MODEL	HP	Inlet/ Outlet dia. MM	Interflow dia. MM	pressure setting Kg/cm ²	Single pump rated flow L/min	Double pumps rated flow L/min	Max. head M	Double pumps max. flow L/min	Pressure tank Liter	Baseplate dimensions (cm)		Pump set height H(cm)	Weight KG
										L	W		
UP(UB)50(40)-CP40-2.75	1	40	40(50)	1.5~2.0	160~90	320~180	23	560	20(60)	93	91	92	135
UP(UB)50(40)-CP40-21.5	2	40	40(50)	1.5~2.0	280~155	560~310	25	700	20(60)	93	91	92	162
UP(UB)65(80)-CP50-21.5	2	50	65(80)	1.5~2.0	355~230	710~460	25	800	20(60)	93	91	94	168
UP(UB)65(80)-CP50-22.2	3	50	65(80)	2.5~3.0	295~220	590~440	38	800	20(60)	93	91	94	188
UP(UB)80(100)-CP65-22.2	3	65	80(100)	1.5~2.0	500~320	1000~640	23	1360	20(60)	93	91	94	198
UP(UB)65(80)-CP50-23.7	5	50	65(80)	2.5~3.0	410~380	820~760	43	1100	60(80)	106	90	115	245
UP(UB)80(100)-CP65-23.7	5	65	80(100)	1.5~2.0	630~470	1260~940	26	1700	60(80)	106	90	115	255
UP(UB)100-CP80-23.7	5	80	100	1.5~2.0	700~500	1400~1000	26	1800	60(80)	106	90	115	263
UP(UB)65(80)-CP50-25.5	7.5	50	65(80)	3.0~3.5	430~410	860~820	55	1300	60(80)	120	106	118	308
UP(UB)100(125)-CP80-25.5	7.5	80	100(125)	2.5~3.0	750~600	1500~1200	38	2160	60(80)	120	106	118	318
UP(UB)65(80)-CP50-27.5	10	50	65(80)	3.5~4.0	425~420	850~840	67	1300	60(80)	120	106	128	355
UP(UB)100(125)-CP80-27.5	10	80	100(125)	3.5~4.5	540~500	1080~1000	66	2200	60(80)	120	106	132	365
UP(UB)125(150)-CP100-27.5	10	100	125(150)	2.0~2.5	1200~980	2400~1960	33	3300	60(80)	120	106	132	388
UP(UB)100(125)-CP80-211	15	80	100(125)	3.5~4.5	685~650	1370~1300	76	2200	60(80)	140	120	132	460
UP(UB)125(150)-CP100-211	15	100	125(150)	2.5~3.0	1280~980	2560~1960	39	3400	60(80)	140	120	132	485
UP(UB)100(125)-CP80-215	20	80	100(125)	4.0~5.0	700~680	1400~1360	83	2200	60(80)	140	120	142	510
UP(UB)125(150)-CP100-215	20	100	125(150)	3.0~3.5	1600~1380	3200~2760	47	3600	60(80)	140	120	142	525
UP(UB)50(40)-CPS40-2.75	1	40	40(50)	1.5~2.0	160~90	320~180	23	560	20(60)	93	91	92	135
UP(UB)50(40)-CPS40-21.5	2	40	40(50)	1.5~2.0	280~155	560~310	25	700	20(60)	93	91	92	162
UP(UB)65(80)-CPS50-21.5	2	50	65(80)	1.5~2.0	355~230	710~460	25	800	20(60)	93	91	94	168
UP(UB)65(80)-CPS50-22.2	3	50	65(80)	2.5~3.0	295~220	590~440	38	800	20(60)	93	91	94	188
UP(UB)80(100)-CPS65-22.2	3	65	80(100)	1.5~2.0	500~320	1000~640	23	1360	20(60)	93	91	94	198
UP(UB)65(80)-CPS50-23.7	5	50	65(80)	2.5~3.0	410~380	820~760	43	1100	60(80)	106	90	115	245
UP(UB)80(100)-CPS65-23.7	5	65	80(100)	1.5~2.0	630~470	1260~940	26	1700	60(80)	106	90	115	255
UP(UB)100-CPS80-23.7	5	80	100	1.5~2.0	700~500	1400~1000	26	1800	60(80)	106	90	115	263
UP(UB)65(80)-CPS50-25.5	7.5	50	65(80)	3.0~3.5	430~410	860~820	55	1300	60(80)	120	106	118	308
UP(UB)100(125)-CPS80-25.5	7.5	80	100(125)	2.5~3.0	750~600	1500~1200	38	2160	60(80)	120	106	118	318
UP(UB)65(80)-CPS50-27.5	10	50	65(80)	3.5~4.0	425~420	850~840	67	1300	60(80)	120	106	128	355
UP(UB)100(125)-CPS80-27.5	10	80	100(125)	3.5~4.5	540~500	1080~1000	66	2200	60(80)	120	106	132	365
UP(UB)125(150)-CPS100-27.5	10	100	125(150)	2.0~2.5	1200~980	2400~1960	33	3300	60(80)	120	106	132	388
UP(UB)100(125)-CPS80-211	15	80	100(125)	3.5~4.5	685~650	1370~1300	76	2200	60(80)	140	120	132	460
UP(UB)125(150)-CPS100-211	15	100	125(150)	2.5~3.0	1280~980	2560~1960	39	3400	60(80)	140	120	132	485
UP(UB)100(125)-CPS80-215	20	80	100(125)	4.0~5.0	700~680	1400~1360	83	2200	60(80)	140	120	142	510
UP(UB)125(150)-CPS100-215	20	100	125(150)	3.0~3.5	1600~1380	3200~2760	47	3600	60(80)	140	120	142	525

Remarks: ● (UB) means duplex operation with one inverter.

● If you need more detail performance curves and dimensions for each model, please contact our distributors or branch offices.

● Please check out previous page "structure and material" for pump set dimensions Length(L)xWidth(W)xHeight(H).

● Special pump set specifications

MODEL	HP	Inlet/ Outlet dia. MM	Interflow dia. MM	pressure setting Kg/cm ²	Single pump rated flow L/min	Double pumps rated flow L/min	Max. head M	Double pumps max. flow L/min	Pressure tank Liter	Baseplate dimensions (cm)		Pump set height H(cm)	Weight KG
										L	W		

UP(UB)-CP,UP(UB)-CPS,UP(UB)-SQD

Duplex alternate/parallel inverter booster pump systems

(2P;60HZ)



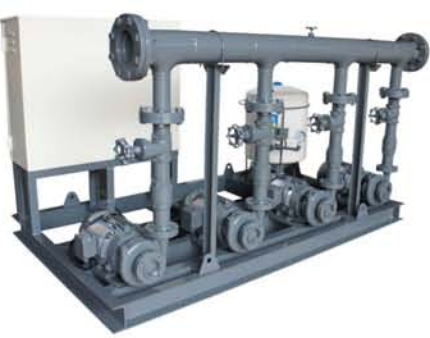
MODEL	HP	Inlet/ Outlet dia. MM	Interflow dia. MM	pressure setting Kg/cm ²	Single pump rated flow L/min	Double pumps rated flow L/min	Max. head M	Double pumps max. flow L/min	Pressure tank Liter	Baseplate dimensions (cm)		Pump set height H(cm)	Weight KG
										L	W		
UP(UB)40-SQD25-2.75	1	25	40	2.0~2.5	80~60	160~120	35	240	20	93	91	90	143
UP(UB)40(50)-SQD40-2.75	1	40	40(50)	2.0~2.5	125~105	250~210	35	320	20	93	91	90	150
UP(UB)40(50)-SQD40-21.5	2	40	40(50)	3.0~3.5	160~140	320~280	55	360	20(60)	93	91	90	175
UP(UB)65(80)-SQD50-21.5	2	50	65(80)	2.3~2.8	280~190	560~380	33	720	20(60)	93	91	90	185
UP(UB)40(50)-SQD40-22.2	3	40	40(50)	3.2~3.8	160~140	320~280	65	360	20(60)	93	91	98	195
UP(UB)65(80)-SQD50-22.2	3	50	65(80)	2.3~2.8	300~260	600~520	40	720	20(60)	93	91	98	205
UP(UB)65(80)-SQD50-23.7	5	50	65(80)	2.5~3.0	310~270	620~540	50	800	20(60)	106	90	110	255
UP(UB)80(100)-SQD80-23.7	5	80	80(100)	2.5~3.0	450~300	900~600	35	1600	20(60)	106	90	120	265
UP(UB)80(100)-SQD80-23.7H	5	80	80(100)	3.0~3.5	400~330	800~660	50	1200	20(60)	106	90	120	265
UP(UB)80(100)-SQD80-25.5	7.5	80	80(100)	3.5~4.0	480~420	960~840	60	1600	20(60)	106	90	120	328
Special pump set specifications													

Remarks: ● (UB) means duplex operation with one inverter.

● If you need more detail performance curves and dimensions for each model, please contact our distributors or branch offices.

● Please check out previous page "structure and material" for pump set dimensions Length(L)xWidth(W)xHeight(H).

Inverter booster pump systems--Customized specifications

Special pumps selection	Multi-pumps type inverter booster system	
XA series End Suction Centrifugal Pumps  <p>Product features:</p> <ul style="list-style-type: none"> ● It adopts En733 and DIN24255 international standards. It is back pull-out design. It has 42 models in one series. It is made with cast iron FC200 or bronze(BC6) impellers, reinforced SUS420 shaft and bronze shaft sleeve. We can custom made it with SUS316 material for the whole pump. ● Max. Head:146m, Max. Capacity:1080m³/hr. 	Triple operation inverter booster pump systems 	Quadruple operation inverter booster pump systems 

● Special pump set specifications

MODEL	HP	Inlet/ Outlet dia. MM	Interflow dia. MM	pressure setting Kg/cm ²	Single pump rated flow L/min	Double pumps rated flow L/min	Max. head M	Double pumps max. flow L/min	Pressure tank Liter	Baseplate dimensions (cm)		Pump set height H(cm)	Weight KG
										L	W		

Standard type
Simplex operation
(20L pressure tank)



Standard type
Simplex operation
(60L pressure tank)



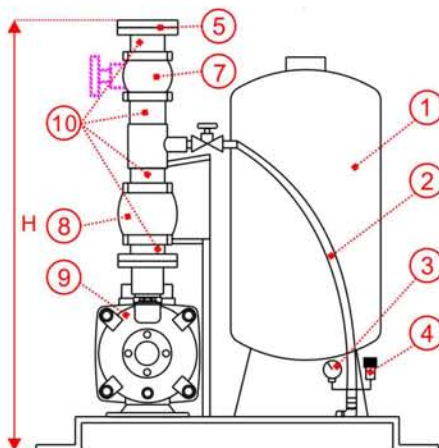
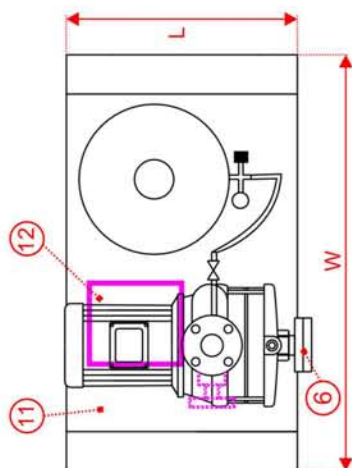
Specifications

(2P;60HZ)

MODEL	HP	Inlet/ Outlet dia. MM	Pressure setting Kg/cm ²	Rated capacity L/min	Max. head M	Max. capacity L/min	Pressure tank Liter	Baseplate Dimensions (cm)		Pump set height H(cm)	Weight KG
								L	W		
US25(40)-EBF4-8.5X3	1	25(40)	2.0~2.5	90~75	36	140	20	53	70	63	85
US25(40)-ECM2-40	1	25(40)	3.5~4.0	50~40	48	75	20	53	70	63	85
US25(40)-ECM2-60	1.5	25(40)	5.0~5.8	50~40	72	75	20	53	70	63	90
US25(40)-ECM4-40	1.5	25(40)	4.0~4.8	100~70	55	140	20	53	70	65	91
US40(50)-ECM8-10	1.5	40(50)	1.9~2.3	150~100	28	250	20(60)	53	70(94)	68(77)	93
US40(50)-ECM8-15	2	40(50)	3.1~3.7	150~100	43	250	20(60)	53	70(94)	69(78)	96
US40(50)-ECM8-20	2.5	40(50)	3.8~4.6	150~100	53	250	20(60)	53	70(94)	69(78)	98
US40(50)-ECM8-25	3	40(50)	5.0~6.0	150~100	68	250	20(60)	53	70(94)	69(78)	105
US40(50)-ECM8-30	5	40(50)	5.7~6.9	150~100	78	250	20(60)	53	70(94)	70(79)	115
US40(50)-ECM12-10	2	40(50)	2.2~2.6	200~250	31	300	20(60)	53	70(94)	69(78)	97
US40(50)-ECM12-15	3	40(50)	3.5~4.1	200~150	45	300	20(60)	53	70(94)	70(79)	105
US40(50)-ECM12-20	5	40(50)	4.4~5.2	200~150	58	300	20(60)	53	70(94)	70(79)	114
US40(50)-ECM16-10	2	50(65)	1.1~1.5	400~250	19	500	20(60)	53	70(94)	78	97
US50(65)-ECM16-20	4	50(65)	2.2~2.8	400~267	37	500	20(60)	66	98	79	110
US50(65)-ECM16-30	5.5	50(65)	3.3~4.2	400~267	55	500	20(60)	66	98	85	125

Remarks: ● Please check out below graphs for pump set dimensions Length(L)xWidth(W)xHeight(H).

● If you need more detail performance curves and dimensions for each model, please contact our distributors or branch offices.



Structure and material

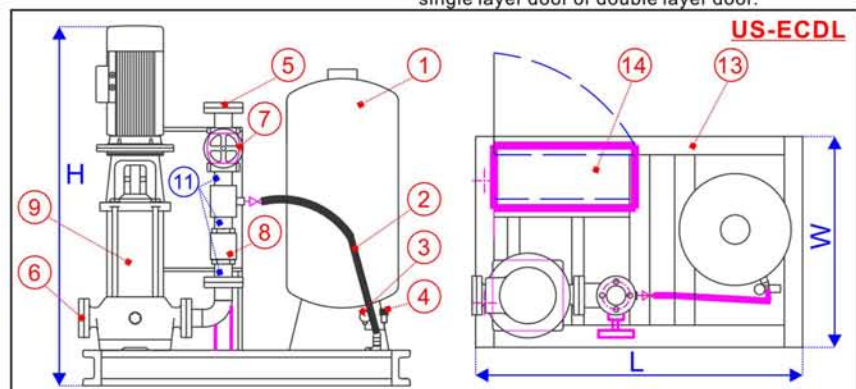
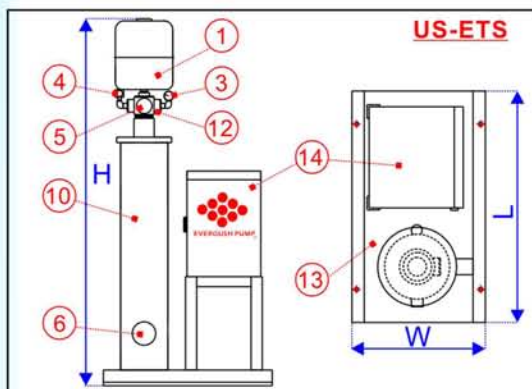
NO.	Name	Standard material	Replaceable material
1	Pressure tank	SS41	SUS304
2	High pressure hose	Rubber	SUS304
3	Pressure gauge		
4	Pressure transmitter	SUS304	
5	Outlet flanges	SS41	SUS304
6	Inlet flanges	SS41	SUS304
7	Gate valve	BC	SUS304
8	Check valve	BC	SUS304
9	Pump casing	SUS304	
10	Pipeline	SS41	SUS304
11	Baseplate	SS41	SUS304
12	Control panel	SUS304	

● Inverter control panel can be chosen either single layer door or double layer door.

Structure and material

NO.	Name	Standard material	Replaceable material
1	Pressure tank	SS41	SUS304
2	High pressure hose	Rubber	SUS304
3	Pressure gauge		
4	Pressure transmitter	SUS304	
5	Outlet flanges	SS41	SUS304
6	Inlet flanges	SS41	SUS304
7	Gate valve	BC or FC200	SUS304
8	Check valve	BC or FC200	SUS304
9	Pump casing	SUS304	
10	Pump casing	SUS304	
11	Pipeline	SS41	SUS304
12	Five way valve	SUS304	
13	Baseplate	SS41	SUS304
14	Control panel	SUS304	

● Inverter control panel can be chosen either single layer door or double layer door.



Specifications

(2P;60HZ)

MODEL	HP	Inlet/ Outlet dia. MM	Pressure setting Kg/cm ²	Rated capacity M ³ /hr	Max. head M	Max. capacity M ³ /hr	Pressure tank Liter	Baseplate Dimensions (cm)		Pump set height H(cm)	Weight KG
								L	W		
US25(40)-ETS2505-2.75	1	25(40)	2.0~2.5	4.2~3.0	38	7.2	8	70	53	67	90
US40(50)-ETS4207-21.5	2	40(50)	2.5~3.0	7.8~6.0	58	11	8	70	53	86	97
US40-ECDL4-2-2.75	1	40	1.9~2.3	6.0~4.0	29	10	20	92	52	55	112
US40-ECDL4-4-21.5	2	40	3.1~3.8	8.0~4.0	58	10	20	92	52	62	120
US40-ECDL4-5-22.2	3	40	3.9~4.9	8.0~4.0	70	10	20(60)	92(98)	52	68	135
US40-ECDL4-7-23.7	5	40	5.5~6.9	8.0~4.0	96	10	20(60)	92(98)	52	72	145
US50-ECDL10-2-21.5	2	50	2.0~2.5	14~10	35	17	20	92	52	71	132
US50-ECDL10-3-22.2	3	50	3.0~3.8	14~10	52	17	20(60)	92(98)	52	78	147
US50-ECDL10-4-23.7	5	50	4.0~5.1	14~10	65	17	20(60)	92(98)	52	81	157
US50-ECDL10-6-24	5.5	50	5.6~6.6	15~13	92	17	20(60)	92(98)	52	92	169
US50-ECDL10-7-25.5	7.5	50	6.5~7.7	15~13	106	17	60	108	60	106	198
US65-ECDL15-2-23.7	5	65	3.0~3.5	20~14	41	28	20(60)	108	52	76	168
US65-ECDL20-3-25.5	7.5	65	3.8~4.5	28~24	67	36	60	108	60	96	205
US65-ECDL20-4-27.5	10	65	4.2~6.0	32~24	87	36	60	108	60	100	215
US80-ECDL32-1-23.7	5	80	1.9~2.4	40~28	30	52	20(60)	108	52	83	204
US80-ECDL32-2-2-25.5	7.5	80	2.8~3.4	40~32	45	52	60	108	60	105	227
US80-ECDL32-2-27.5	10	80	3.9~4.5	40~32	58	52	60	108	60	105	239
US80-ECDL45-1-1-25.5	7.5	80	2.3~2.6	50~42	31	70	60	108	60	107	232
US80-ECDL45-1-27.5	10	80	2.7~3.0	55~45	38	70	60	108	60	107	245
US100-ECDL64-1-1-27.5	10	100	1.8~2.3	80~60	30	110	60	110	60	107	256

Special pump set specifications

Remarks: ● Please check out above graphs for pump set dimensions Length(L)xWidth(W)xHeight(H).

● If you need more detail performance curves and dimensions for each model, please contact our distributors or branch offices.

● Above 15 HP is special custom made pump set. We will make it depends on customer requirements.



Specifications

(2P;60HZ)

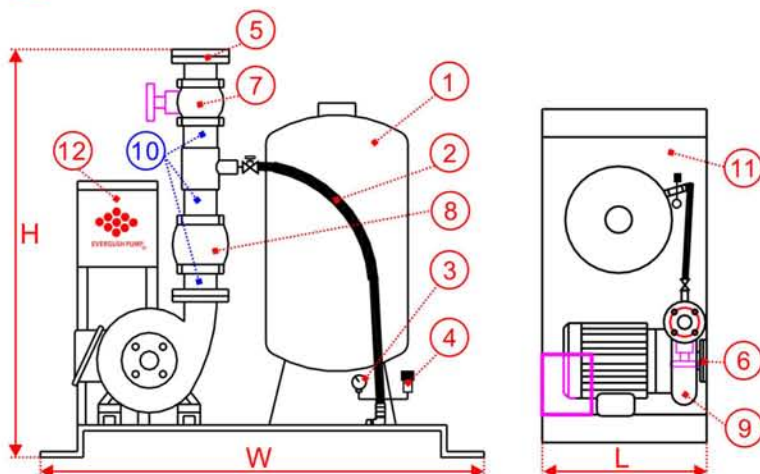
MODEL	HP	Inlet/ Outlet dia. MM	Pressure setting Kg/cm ²	Rated capacity L/min	Max. head M	Max. capacity L/min	Pressure tank Liter	Baseplate Dimensions (cm)		Pump set height H(cm)	Weight KG
								L	W		
US40-CP(CPS)40-2.75	1	40	1.5~2.0	160~90	23	280	20	53	70	85	101
US40(50)-CP(CPS)50-21.5	2	40(50)	1.5~2.0	280~155	25	400	20(60)	53	70(94)	85	115
US40(50)-CP(CPS)50-22.2	3	40(50)	2.5~3.0	295~220	38	400	20(60)	53	70(94)	87	125
US65(80)-CP(CPS)65-22.2	3	65(80)	1.5~2.0	500~320	23	680	20(60)	53	70(94)	88	135
US40(50)-CP(CPS)50-23.7	5	40(50)	2.5~3.0	410~380	43	550	60(80)	53	94	90	165
US65(80)-CP(CPS)65-23.7	5	65(80)	1.5~2.0	630~470	26	900	60(80)	53	94	92	175
US50-CP(CPS)50-25.5	7.5	50	3.0~3.5	430~410	55	650	60(80)	60	98	92	198
US65(80)-CP(CPS)80-25.5	7.5	65(80)	2.5~3.0	750~600	38	1080	60(80)	60	98	95	210
US50-CP(CPS)50-27.5	10	50	3.5~4.0	425~420	67	650	60(80)	60	98	98	230
US65(80)-CP(CPS)80-27.5	10	65(80)	3.5~4.5	540~500	66	1100	60(80)	60	98	100	242
US100-CP(CPS)100-27.5	10	100	2.0~2.5	1200~980	33	1650	60(80)	60	98	105	256
US80-CP(CPS)80-211	15	80	3.5~4.5	685~650	76	1100	60(80)	82	98	112	295
US100-CP(CPS)100-211	15	100	2.5~3.0	1280~980	39	1700	60(80)	82	98	118	312
US80-CP(CPS)80-215	20	80	4.0~5.0	700~680	83	1100	60(80)	82	98	112	325
US100-CP(CPS)100-215	20	100	3.0~3.5	1600~1380	47	1800	60(80)	82	98	118	342

Remarks: ● Please check out below graphs for pump set dimensions Length(L)xWidth(W)xHeight(H).

● CPS means it is made of all stainless steel pump casing.

● If you need more detail performance curves and dimensions for each model, please contact our distributors or branch offices.

Structure and material

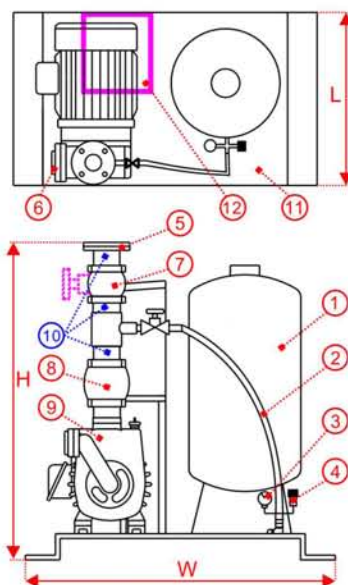


NO.	Name	Standard material	Replaceable material
1	Pressure tank	SS41	SUS304
2	High pressure hose	Rubber	SUS304
3	Pressure gauge		
4	Pressure transmitter	SUS304	
5	Outlet flanges	SS41	SUS304
6	Inlet flanges	SS41	SUS304
7	Gate valve	BC;FC200	SUS304
8	Check valve	BC;FC200	SUS304
9	Pump casing	FC200	SUS304
10	Pipeline	SS41	SUS304
11	Baseplate	SS41	SUS304
12	Control panel	SUS304	

● Inverter control panel can be chosen either single layer door or double layer door.



(Suitable for underground water)



Structure and material

NO.	Name	Standard material	Replaceable material
1	Pressure tank	SS41	SUS304
2	High pressure hose	Rubber	SUS304
3	Pressure gauge		
4	Pressure transmitter	SUS304	
5	Outlet flanges	SS41	SUS304
6	Inlet flanges	SS41	SUS304
7	Gate valve	BC;FC200	SUS304
8	Check valve	BC;FC200	SUS304
9	Pump casing	FC200	
10	Pipeline	SS41	SUS304
11	Baseplate	SS41	SUS304
12	Control panel	SUS304	

• Inverter control panel can be chosen either single layer door or double layer door.

(2P;60HZ)

Specifications

MODEL	HP	Inlet/ Outlet dia. MM	Pressure setting Kg/cm ²	Rated capacity L/min	Max. head M	Max. capacity L/min	Pressure tank Liter	Baseplate Dimensions (cm)		Pump set height H(cm)	Weight KG
								L	W		
US25-SQD25-2.75	1	25	2.0~2.5	80~60	35	120	20	53	70	87	97
US40-SQD40-2.75	1	40	2.0~2.5	125~105	35	160	20	53	70	88	102
US40-SQD40-21.5	2	40	3.0~3.5	160~140	55	180	20(60)	53	70(94)	90	116
US50-SQD50-21.5	2	50	2.3~2.8	280~190	33	360	20(60)	53	70(94)	91	121
US40-SQD40-22.2	3	40	3.2~3.8	160~140	65	180	20(60)	53	70(94)	93	128
US50-SQD50-22.2	3	50	2.3~2.8	300~260	40	360	20(60)	53	70(94)	94	138
US50-SQD50-23.7	5	50	2.5~3.0	310~270	50	400	20(60)	53	94	98	168
US80-SQD80-23.7	5	80	2.5~3.0	450~300	35	800	20(60)	53	94	98	178
US80-SQD80-23.7H	5	80	3.0~3.5	400~330	50	600	20(60)	53	94	98	178
US80-SQD80-25.5	7.5	80	3.5~4.0	480~420	60	800	20(60)	60	90	105	212

- Please check out above graphs for pump set dimensions Length(L)xWidth(W)xHeight(H).
- If you need more detail performance curves and dimensions for each model, please contact our distributors or branch offices.

Special pump set specifications

US-CP(CPS) series special specifications/ US-SQD series special specifications

MODEL	HP	Inlet/ Outlet dia. MM	Pressure setting Kg/cm ²	Rated capacity L/min	Max. head M	Max. capacity L/min	Pressure tank Liter	Baseplate Dimensions (cm)		Pump set height H(cm)	Weight KG
								L	W		