

Power Solution for Your Better Tomorrow



Dewatering Pump Selector Sheets

Z Series B Series K Series
S Series D Series C Series



Global Energy Solutions Partner

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Descriptions and specification are substantially correct at time of printing and subject to change without notice. (Version no.: V2603)

Diesel Self-Prime Trash Pump Unit


Z Series

 Flow(Q)
50m³/h~800m³/h

 Head(H)
5m~40m

 Max.Solids
76.2mm

 Max.Suction Head
7.6m





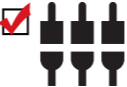
 Inlet/Outlet
DN 80/100/150/200/250

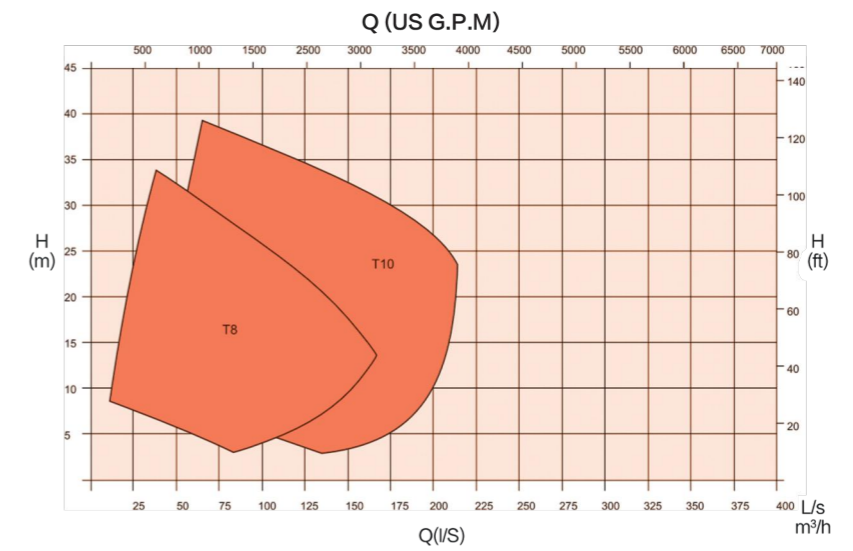
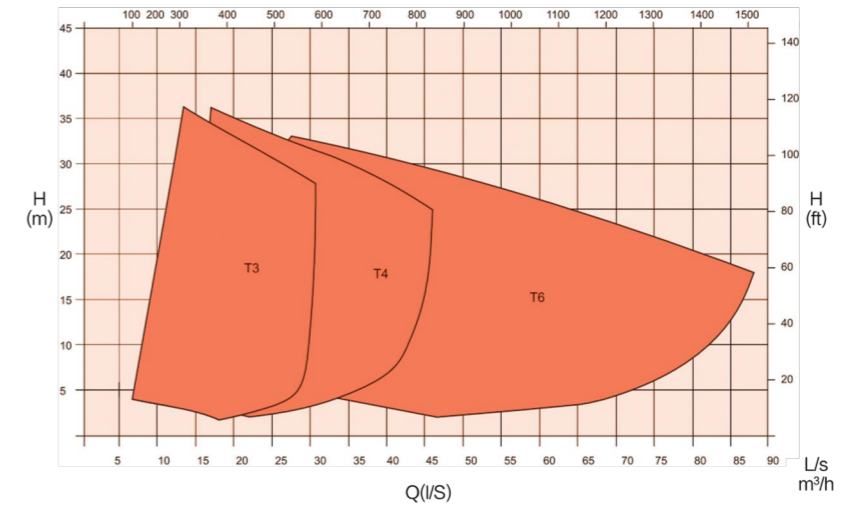


Unit structure

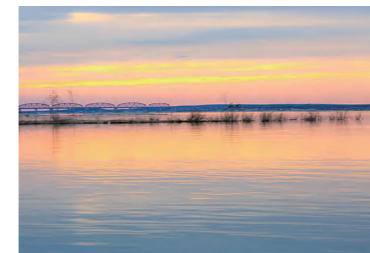
- Open Trailer
- Open Skid Base
- Trailer with Canopy
- Skid Base with Canopy

Configuration

-  Emergency Button
-  Power Switch
-  Battery
-  Fuel tank
-  Inlet/Outlet Connector



Application



Clear water, river water and lake water



Domestic sewage



Industrial waste water(Suitable PH)



Aquaculture wastewater



Mine drainage



Agricultural irrigation



Unit information

Unit Model	ZK100-36-LP	ZK160-36-LP	ZK300-30-LP	ZK600-36-LP	ZK800-36-LP
Pump Model	PT-3	PT-4	PT-6	PT-8	PT-10
Diesel Model	SA423i1	SA423i1	SA432i2	LP443G4	LP443G4
Inlet/Outlet	80mm/80mm	100mm/100mm	150mm/150mm	200mm/200mm	250mm/250mm
Speed	2150 rpm	1950 rpm	1550 rpm	1450 rpm	1450 rpm
Max.Flow	130 m ³ /h	180 m ³ /h	360 m ³ /h	600 m ³ /h	800 m ³ /h
Max.Head	36 m	38 m	32 m	38 m	40 m
Max.Solids	63.5 mm	76.2 mm	76.2 mm	76.2 mm	76.2 mm
Max.Suction Head	7.6 m	7.6 m	7.6 m	7 m	6.7 m

Pump information

Pump Model	PT-3	PT-4	PT-6	PT-8	PT-10
Pump Type	Self-Priming Non-Clogging Sewage Pump				
Impeller Type	Semi-open	Semi-open	Semi-open	Semi-open	Semi-open
Pump Body Material	Cast iron	Cast iron	Cast iron	Cast iron	Cast iron
Impeller Material	Ductile iron	Ductile iron	Ductile iron	Ductile iron	Ductile iron
Shaft Material	2Cr13	2Cr13	2Cr13	2Cr13	2Cr13
Pump Seal	Mechanical Seal	Mechanical Seal	Mechanical Seal	Mechanical Seal	Mechanical Seal

Engine information

Engine Model	SA423i1	SA423i1	SA432i2	LP443G4	LP443G4
Aspiration	Natural	Natural	Turbocharged	Turbocharged	Turbocharged
Emissions Level	Stage II	Stage II	Stage II	Stage II	Stage II
Speed Governor	Mechanical	Mechanical	Mechanical	Electronic	Electronic
Cooling Method	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled
Fuel Consumption	244g/kW.h	244g/kW.h	258g/kW.h	202g/kW.h	202g/kW.h

Diesel Dry Suction Pump Unit

B Series



Flow(Q)
800m³/h



Head(H)
40m



Max.Solids
70mm



Max.Suction Head
8m



Inlet/Outlet
DN 100/150/200/250



Unit structure

- Open Trailer
- Open Skid Base
- Trailer with Canopy
- Skid Base with Canopy

Configuration



Emergency Button



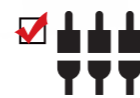
Power Switch



Battery

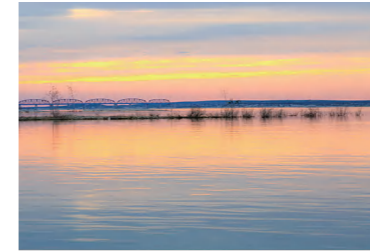


Fuel tank



Inlte/Outlet Connector

Application



Clear water, river water and lake water



Domestic sewage



Industrial waste water(Suitable PH)



Aquaculture wastewater



Mine drainage



Agricultural irrigation



Unit information

Unit Model	BK-130-25-LP	BK-150-35-LP	BK-200-24-LP	BK-400-20-LP	BK-400-30-LP	BK-500-28-LP	BK-600-30-LP
Pump Model	M4-130-25-1800	M4-150-35-2200	M6-200-24-1500	M6-400-20-1900	M6-400-30-2000	M8-500-28-1800	M10-600-30-1800
Diesel Model	SA423G1	SA423i1	SA432G1	SA432i2	SA435i1	LP443G3	LP443G4
Inlet/Outlet	100mm/100mm	100mm/100mm	150mm/150mm	150mm/150mm	150mm/150mm	200mm/200mm	250mm/250mm
Speed	180m ³ /h	220m ³ /h	400m ³ /h	465m ³ /h	600m ³ /h	800m ³ /h	800m ³ /h
Max.Flow	30m	40m	30m	46m	45m	44m	40m
Max.Head	8m	8m	8m	8m	8m	8m	8m
Max.Solids	35mm	35mm	55mm	55mm	55mm	76mm	76mm
Max.Suction Head	1800rpm	2200rpm	1500rpm	1900rpm	2000rpm	1800rpm	1800rpm

Pump information





Pump Model	M4-130-25-1800	M4-150-35-2200	M6-200-24-1500	M6-400-20-1900	M6-400-30-2000	M8-500-28-1800	M10-600-30-1800
Rated.Flow	130m ³ /h	150m ³ /h	200m ³ /h	400m ³ /h	400m ³ /h	500m ³ /h	600m ³ /h
Rated.Head	25m	35m	24m	20m	30m	28m	30m
Pump Type	Dry-Suction Sewage Pump						
Pump Case Material	Cast iron	Cast iron	Cast iron	Cast iron	Cast iron	Cast iron	Cast iron
Impeller Material	304	304	304	304	304	304	304
Shaft Material	2Cr13	2Cr13	2Cr13	2Cr13	2Cr13	2Cr13	2Cr13
Vacuum System	Oil cooling	Oil cooling	Oil cooling	Oil cooling	Oil cooling	Oil cooling	Oil cooling
Seal Type	Mechanical Seal	Mechanical Seal	Mechanical Seal	Mechanical Seal	Mechanical Seal	Mechanical Seal	Mechanical Seal

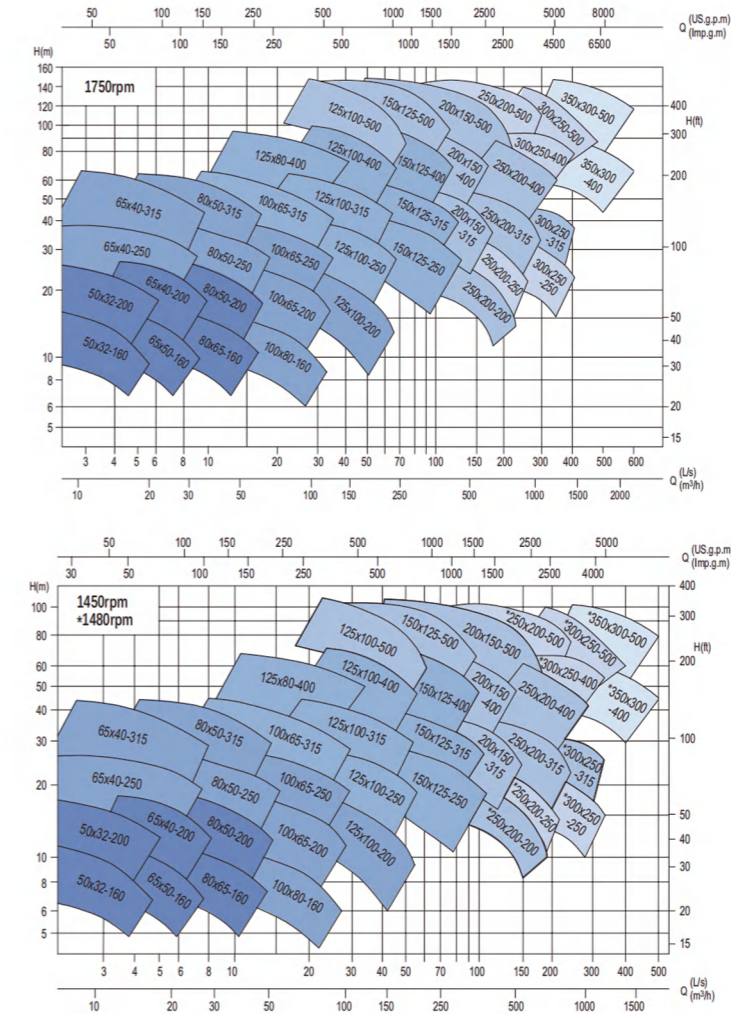
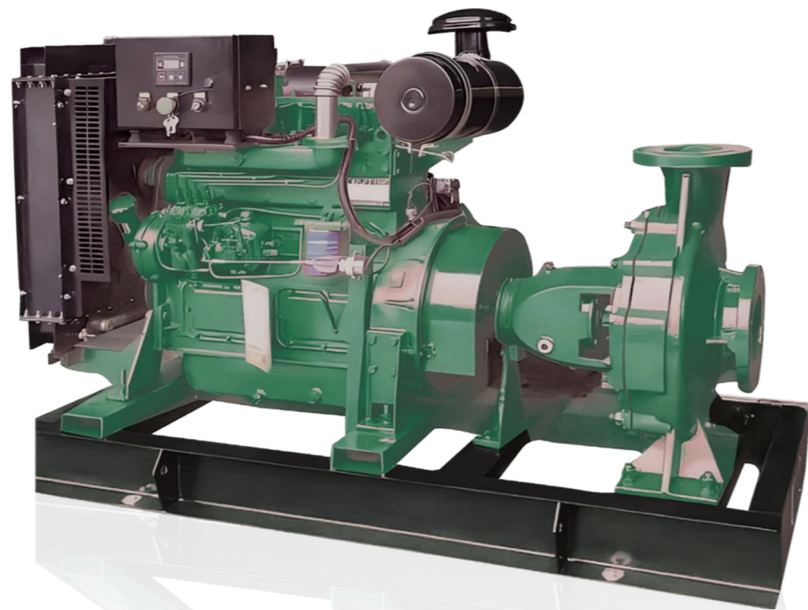
Engine information

Engine Model	SA423G1	SA423i1	SA432G1	SA432i2	SA435i1	LP443G3	LP443G4
Speed	1800rpm	2600rpm	1500rpm	2600rpm	2600rpm	1800rpm	1800rpm
Power	20kW	29.1kW	30.5kW	53.5kW	73.5kW	86kW	105kW
Max.Torque	106N.m	136N.m	194N.m	275N.m	346N.m	456N.m	557N.m
Aspiration	Natural	Natural	Natural	Turbocharged	Turbocharged	Turbocharged	Turbocharged
Emissions Level	Stage II	Stage II	Stage II	Stage II	Stage II	Stage II	Stage II
Speed Governor	Electronic	Mechanical	Electronic	Mechanical	Mechanical	Electronic	Electronic
Cooling Method	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled
Fuel Consumption	234g/kw.h	241g/kw.h	222g/kw.h	222g/kw.h	214g/kw.h	213g/kw.h	213g/kw.h

Diesel Single Stage Single Suction Pump Unit

K Series




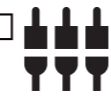
-  Flow(Q) 1400m³/h
-  Head(H) 150m
-  Suction DN 100~350
-  Suction DN 80~300



Unit structure

- Open Trailer
- Open Skid Base
- Trailer with Canopy
- Skid Base with Canopy

Configuration





-  Emergency Button
-  Power Switch
-  Battery
-  Fuel tank
-  Inlet/Outlet Connector

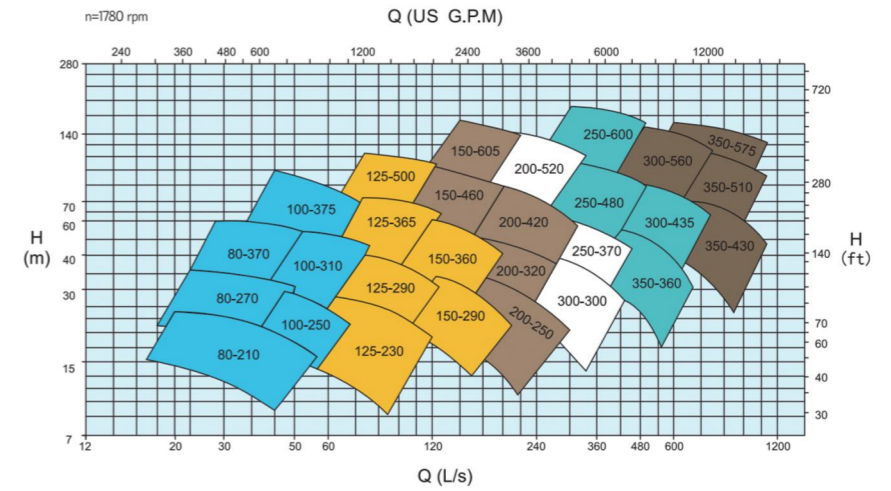
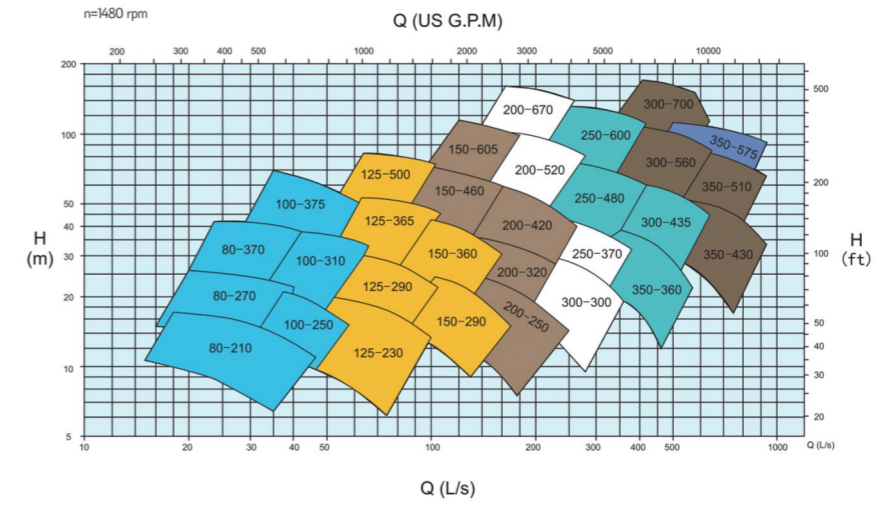
Application



Diesel Single Stage Double Suction (Split Case) Pump Unit

S Series

-  Flow(Q)
3000m³/h
-  Head(H)
160m
-  Suction
DN 125~500
-  Suction
DN 80~400






Performance to ISO9906 Grade 2 for clean cold water only

Unit structure

- Open Trailer
- Open Skid Base
- Trailer with Canopy
- Skid Base with Canopy

Configuration

-  Emergency Button
-  Power Switch
-  Battery
-  Fuel tank
-  Inlte/Outlet Connector

Application



Diesel Multi-Stage Pump Unit

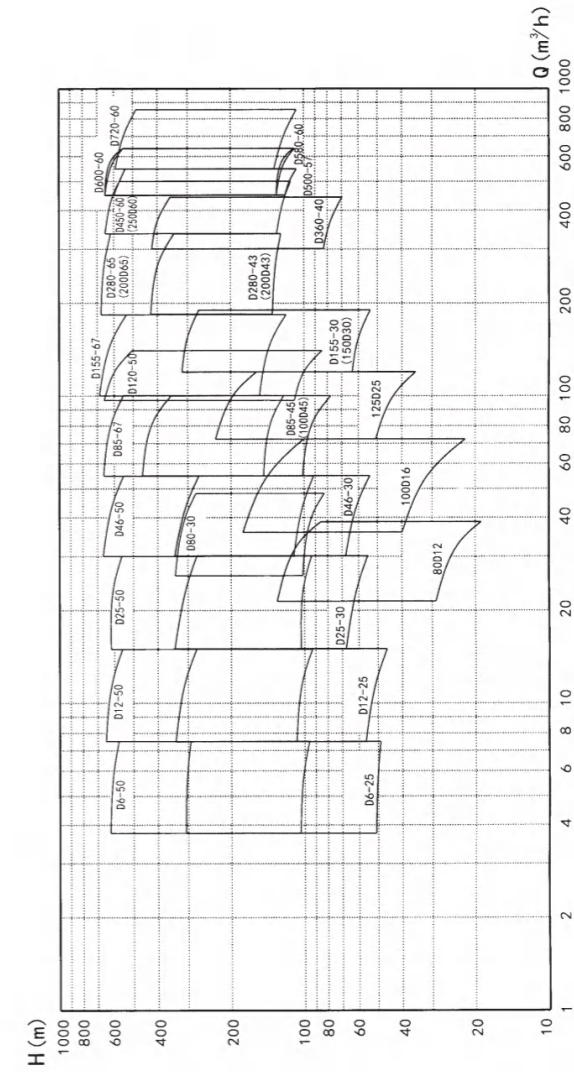
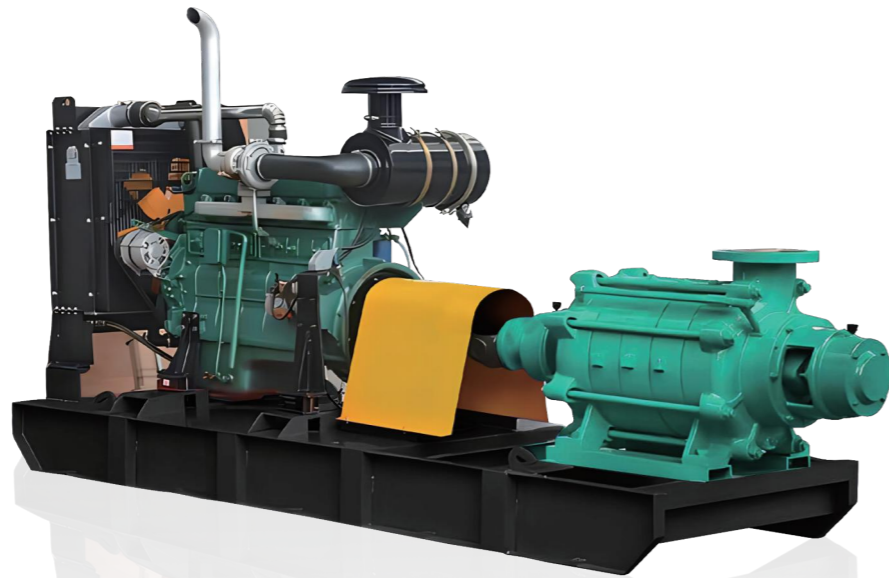
D Series

 Flow(Q)
1000m³/h

 Head(H)
400m

 Suction
DN 80~200





 Suction
DN 80~200



Unit structure

- Open Trailer
- Open Skid Base
- Trailer with Canopy
- Skid Base with Canopy

Configuration

-  Emergency Button
-  Power Switch
-  Battery
-  Fuel tank
-  Inlets/Outlets Connector


Application





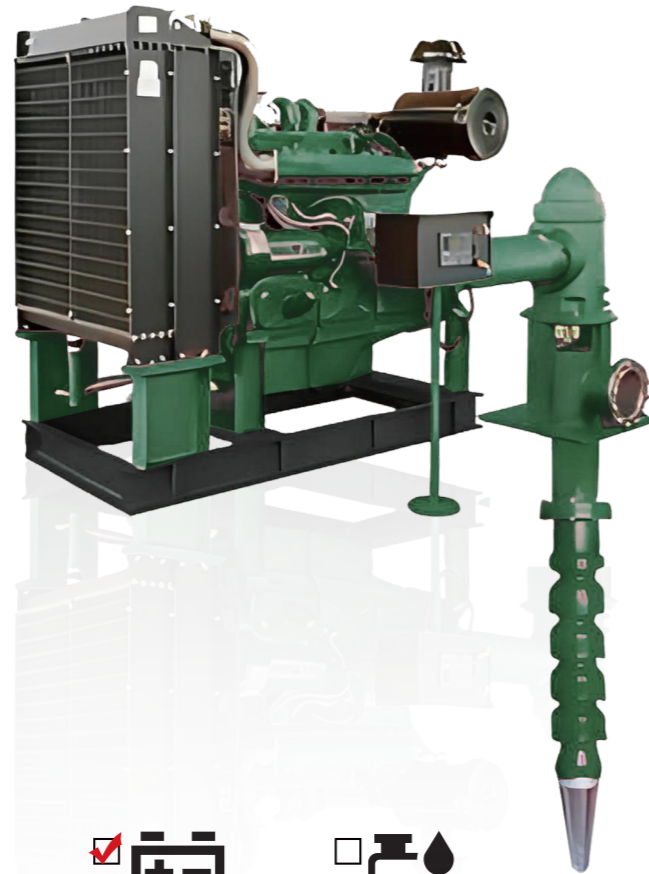
Diesel Long Shaft Deep Well Pump Unit

C Series

 Flow(Q)
350m³/h

 Head(H)
150m

 Max.Diameter of downhole
550mm



Unit structure

Open Skid Base

Configuration



Emergency Button



Power Switch

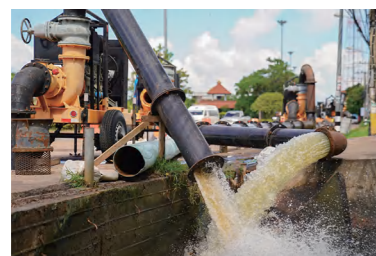


Battery



Fuel Tank

Application



Building water supply



Emergency Fire Fighting

Specification

Model	Speed	Maximum outer diameter of underground section	Capacity		Head	Matching Power
	(r/min)		(m ³ /h)	(L/s)		
CB360-80-LP	1450	340	360	100	80	167
CB360-96-LP	1450	340	360	100	96	200
CB432-26-LP	1450	460	432	120	26	65
CB432-52-LP	1450	460	432	120	52	131
CB432-78-LP	1450	460	432	120	78	196
CB432-100-LP	1450	460	432	120	100	265
CB432-104-LP	1450	460	432	120	104	261
CB432-130-LP	1450	460	432	120	130	326
CB504-28-LP	1450	460	504	140	28	82
CB504-56-LP	1450	460	504	140	56	164
CB504-84-LP	1450	460	504	140	84	246
CB504-112-LP	1450	460	504	140	112	328
CB504-140-LP	1450	460	504	140	140	410
CB576-26-LP	1450	460	576	160	26	87
CB576-52-LP	1450	460	576	160	52	174
CB576-78-LP	1450	460	576	160	78	261
CB576-90-LP	1450	460	576	160	90	308
CB576-104-LP	1450	460	576	160	104	348
CB576-130-LP	1450	460	576	160	130	435
CB594-95-LP	1450	460	594	165	95	378
CB648-30-LP	1450	550	648	180	30	113
CB648-60-LP	1450	550	648	180	60	226
CB648-90-LP	1450	550	648	180	90	339
CB648-120-LP	1450	550	648	180	120	452
CB648-150-LP	1450	550	648	180	150	565
CB720-30-LP	1450	550	720	200	30	134
CB720-64-LP	1450	550	720	200	64	268
CB720-96-LP	1450	550	720	200	96	402
CB720-128-LP	1450	550	720	200	128	536
CB720-160-LP	1450	550	720	200	160	670
CB900-30-LP	1450	550	900	250	30	157
CB900-60-LP	1450	550	900	250	60	314
CB900-90-LP	1450	550	900	250	90	471
CB900-120-LP	1450	550	900	250	120	628
CB900-150-LP	1450	550	900	250	150	785
CB1080-24-LP	1450	550	1080	300	24	150
CB1080-48-LP	1450	550	1080	300	48	300
CB1080-72-LP	1450	550	1080	300	72	450
CB1080-96-LP	1450	550	1080	300	96	600
CB1260-25-LP	1450	550	1260	350	25	182
CB1260-50-LP	1450	550	1260	350	50	364
CB1260-75-LP	1450	550	1260	350	75	546
CB1260-90-LP	1450	550	1260	350	90	728



Mine drainage

Application Scenario

Main drainage system

Undertake the daily main water inflow discharge task of the mine, which is the basis for guaranteeing the normal production of the mine.

Auxiliary drainage system

It is used for drainage of local underground areas or specific working faces, and can flexibly meet different demands.

Emergency drainage system

Quick start in case of emergency such as sudden water burst to ensure personnel safety and reduce losses.

Agricultural irrigation

In agricultural planting areas far away from the power grid or with unstable power supply, the diesel pump set can take water from rivers, lakes, reservoirs and wells to provide timely irrigation for crops, improve agricultural production efficiency and reduce the disaster risk caused by drought and water shortage.

Flexible water intake/pump

take water from rivers, lakes, reservoirs and wells to provide timely irrigation for crops.

Reduce disaster risk

Solve irrigation problems in areas remote from the grid or with unstable power supply.



Drainage in construction engineering.

Efficient solution

During the construction process, it is used for foundation pit dewatering, construction wastewater discharge, etc., to ensure the smooth progress of the project.

Efficient drainage

With powerful pumping capacity, it can quickly handle ponding in foundation pits, ensuring the construction progress.

Stable and reliable

Adapt to harsh working conditions, operate around the clock, and ensure engineering safety.



Municipal sewage discharge.

City environment protector

As a standby pump for urban wastewater treatment plants and sewage pumping stations, it ensures that wastewater treatment can proceed normally in the event of a municipal power outage, thereby protecting the urban environment.

Emergency support

Seamless switching in case of mains power interruption.

Stable operation

Ensure the normal progress of processing work.



Dewatering Pump to Paraguay

The client needed to establish a drainage pump station. During the communication process, it was mentioned that these units needed to be controlled via 4G or Ethernet. TidePower successfully addressed the client's needs by selecting the appropriate controller and remote control module, and successfully delivered the project within one month.

Technical support

Satisfy customers' remote control needs through special configurations.

Timely delivery

Large orders can also be delivered to customers in a timely manner.

Multi-Stage Pump Unit to Nigeria

Petroleum Industry solution

In the petroleum industry, multistage pumps are one of the core fluid conveying equipment. Due to the industry's demand for high flow rate, high head, and continuous operation, coupled with the structural characteristics of multistage pumps, as well as their economic efficiency and scalability, they have become the "standard" fluid conveying equipment across the entire industry chain of petroleum exploration, development, and refining.

Reliable

Cummins KTA38-P Diesel Engine + CNP D Series Multi-stage pump + TidePower = Reliable



Dewatering Pump Unit with Silent Canopy to Chile

The customer has noise requirements in the construction area, so a specially designed drainage pump set with silent canopy is required. TidePower's carefully designed drainage pump set with silent canopy helps customers with smooth construction.

All kinds of needs can be met

Elaborately designed by outstanding engineers from TidePower, and backed by TidePower's excellent quality, it meets various customer needs.



Dewatering Pump to Mali

Two single-stage single-suction pump sets assist customers in irrigating their farms.

Although the unit is small, it is powerful in function

Rated.Flow(Q): 120m³/h

Suction:DN125

Rated.Head(H):100m

Discharge:DN100

Carefully designed

After careful design, two units can be shipped in a stacked configuration, saving costs for customers.