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Due to continuous technological updates, materials and technical specifications are subject to change without notice. The actual product supply status shall be subject to the sales contract. Samples are for reference only.

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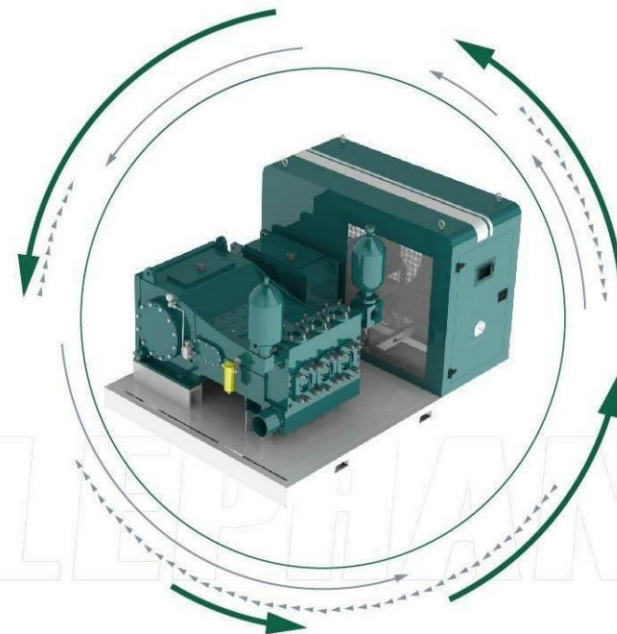
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WeChat Official Account



Reciprocating Pumps

Mud Pump Series

Convenient · Reliable · Efficient · Intelligent

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Company Profile

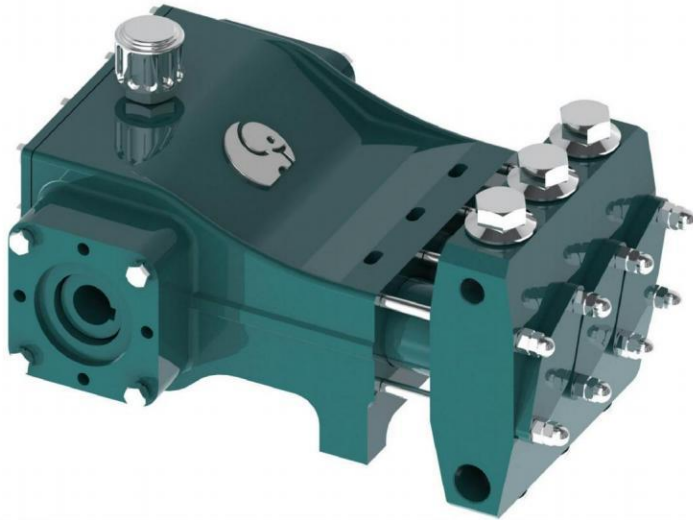
Elephant Machinery Co., Ltd. was established in 2008 and covers an area of 30,000 square meters. It is a comprehensive enterprise integrating the research, development, manufacturing, sales, and service of reciprocating pumps across all application fields. The company holds multiple invention patents and has obtained certifications including the API Spec Q1 Quality Management System, ISO 9001 Quality Management System, ISO 14001 Environmental Management System, ISO 45001 Occupational Health and Safety Management System, ISO 10012 Measurement Management System, ISO 50001 Energy Management System, Enterprise Intellectual Property Management System, Enterprise Integrity Management System, Product After-Sales Service Evaluation System, Green Factory, Five-Star Green Supply Chain Rating, AAA-Level Enterprise Credit Rating, and EU CE certification. It has been recognized as a National High-Tech Enterprise, Jiangsu Province Specialized, Refined, and Innovative Enterprise, and Smart Factory.

Elephant Machinery specializes in reciprocating plunger pumps and piston pump products. These products are designed in accordance with national standards such as GB/T9234-2018, as well as international standards like API Spec Q1, API674 Third Edition and ISO13710:2004, capable of meeting flow and pressure requirements across various application fields, including oilfield water injection pumps, polymer injection pumps, booster pumps, pressure testing pumps, cementing pumps, coal mine spray pumps, hydraulic fracturing pumps, emulsion pumps, trenchless construction, geological exploration mud pumps, grouting pumps, and ultra-high-pressure water jet cleaning pumps. These products are widely used in oilfield water injection, polymer injection, pressure boosting, pressure testing, cementing, trenchless construction, mining, geological exploration, deep well drilling, geothermal cobalt exploration, coal mine hydraulic fracturing, tunnel support, hole sealing grouting, tunnel drilling, and ultra-high-pressure water jet cleaning, among other related fields. We are committed to providing customers across various industries with convenient, reliable, efficient, and intelligent reciprocating pump products and comprehensive solutions.





BW-75Q (Hydraulic Motor Driven)



The BW-75Q reciprocating pump is a horizontal triplex reciprocating single-acting piston pump driven by a hydraulic motor. It is mainly used for portable rock core drilling machines and can also be used for other applications such as grouting, mine drainage, and long-distance water transportation. The pump can adjust speeds infinitely with the hydraulic motor, making it suitable for drilling and backwashing of different diameters. In its design, new concepts, structures, materials, and processes have been used, resulting in a compact structure, light weight, small volume, and attractive appearance. The pump body, crankshaft, connecting rod, crosshead, pump head, and related components are highly serialized and standardized, making installation and maintenance more convenient. The pump has a long service life for wearing parts and high reliability.

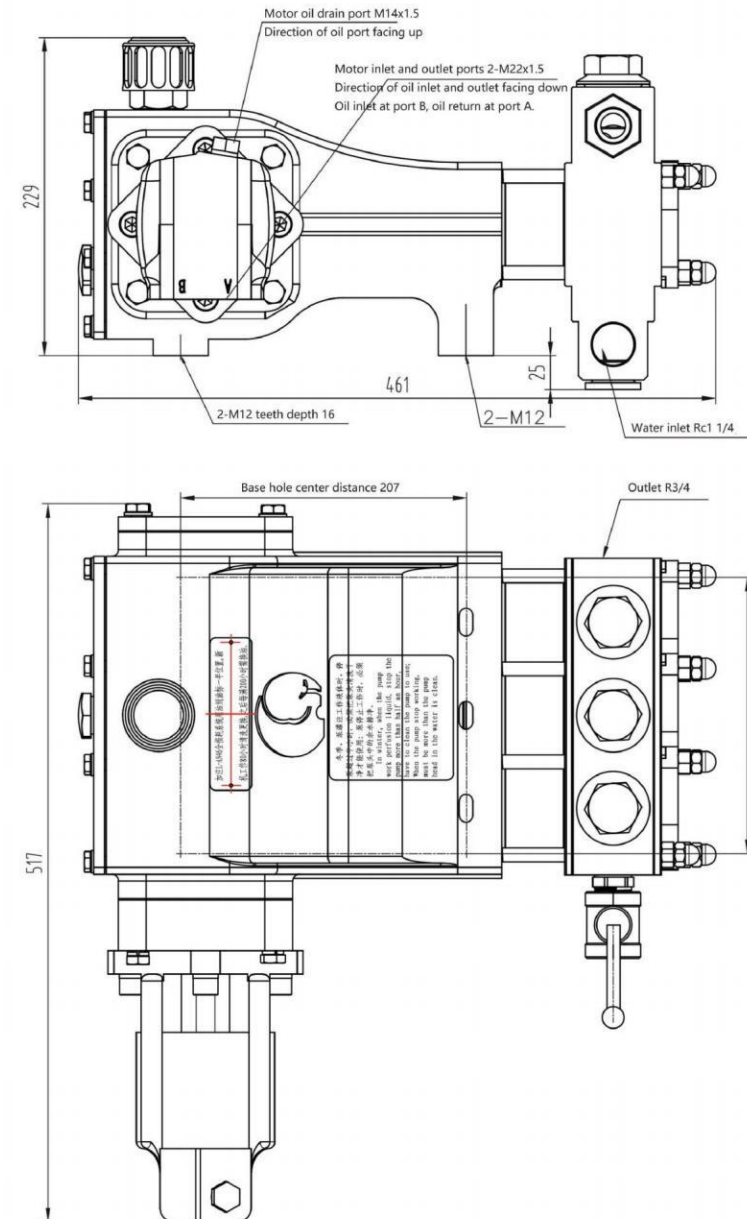
Horizontal triplex reciprocating single acting piston pump

Stroke (mm)	40
Cylinder diameter (mm)	50
Flow (L/min)	75
Pressure (MPa)	6
Input speed (r/min)	320
Input power (KW)	9
Dimensions (mm)	461×517×254
Weight (kg)	72
Hydraulic motor model	2K604-0043
Hydraulic motor pressure (MPa)	17
Maximum motor flow (L/min)	45

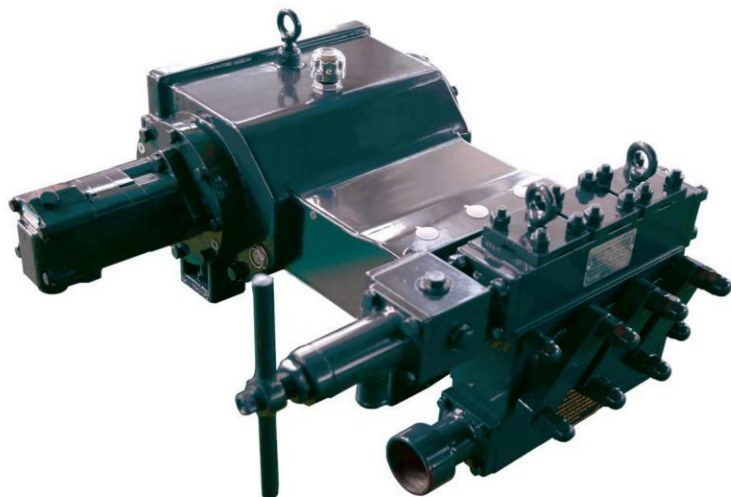
The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.



BW-75Q Outline Dimension Drawing



BW-100 (Hydraulic Motor Driven)

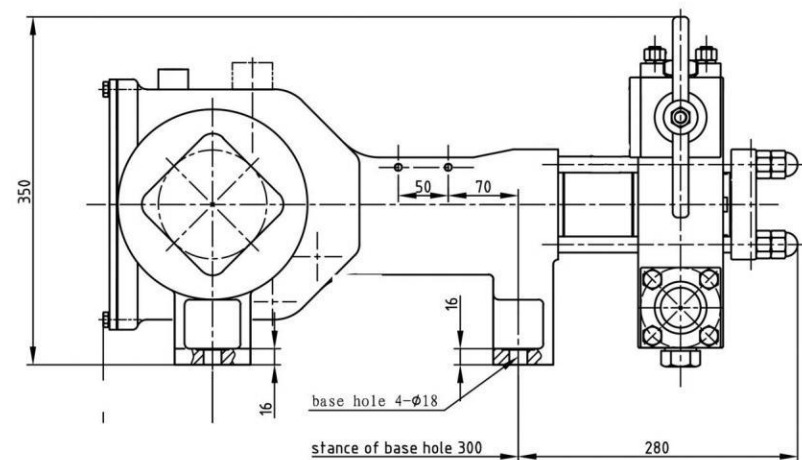
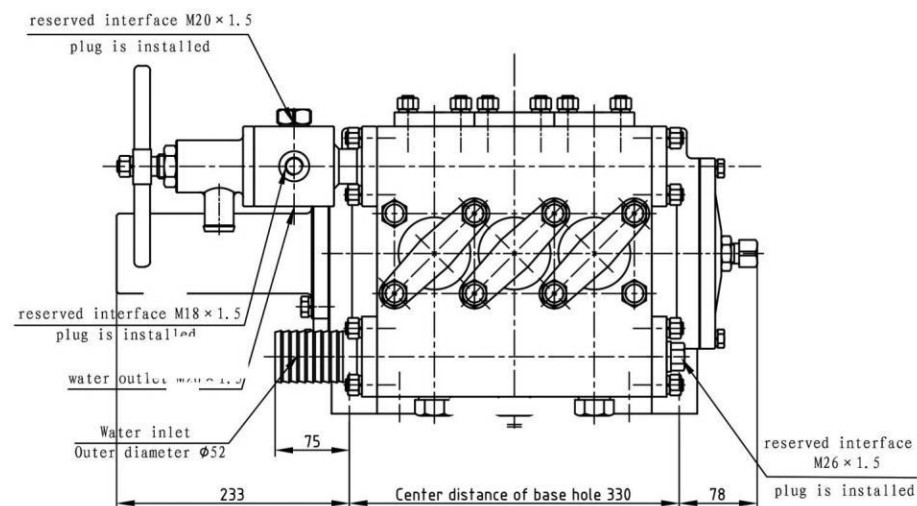


The BW-100 reciprocating pump is a horizontal triplex reciprocating single-acting piston pump driven by a hydraulic motor. It is mainly used in conjunction with non-excavation drilling machines of around 10 tons, and can also be used for grouting, mine drainage, long-distance water delivery, and other purposes. The pump can achieve stepless speed regulation through the hydraulic motor, and is suitable for drilling and backhaul with different bore diameters. The design concept features new structures, materials, and processes, resulting in a compact structure, light weight, small size, and attractive appearance. The pump body, crankshaft, connecting rod, crosshead, pump head, and related parts are standardized and universal, which facilitates installation and maintenance. The service life of vulnerable components is long, and the reliability is high.

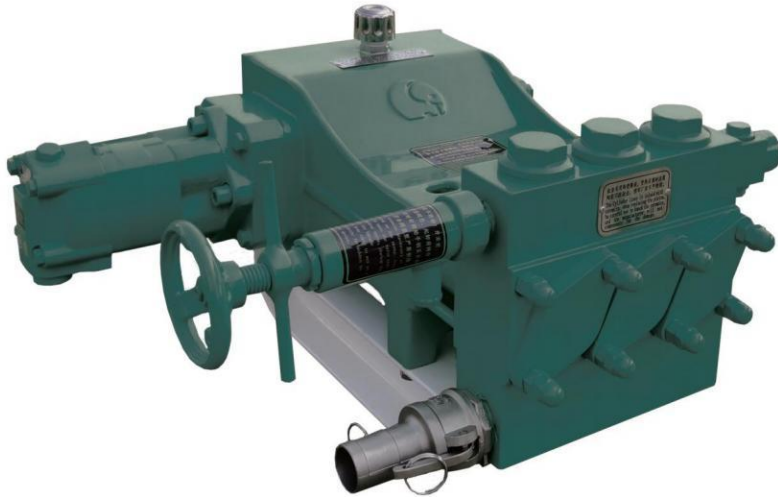
Horizontal triplex reciprocating single acting piston pump		
Stroke (mm)		60
Cylinder diameter (mm)		55
Flow (L/min)		100
Pressure (MPa)		7
Input speed (r/min)		240
Input power (KW)		14
Dimensions (mm)		690 × 641 × 350
Weight (kg)		175
Hydraulic motor model		2K604-0046
Hydraulic motor pressure (MPa)		17
Maximum motor flow (L/min)		65

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

BW-100 Outline Dimension Drawing



BW-100Q (Hydraulic Motor Driven)

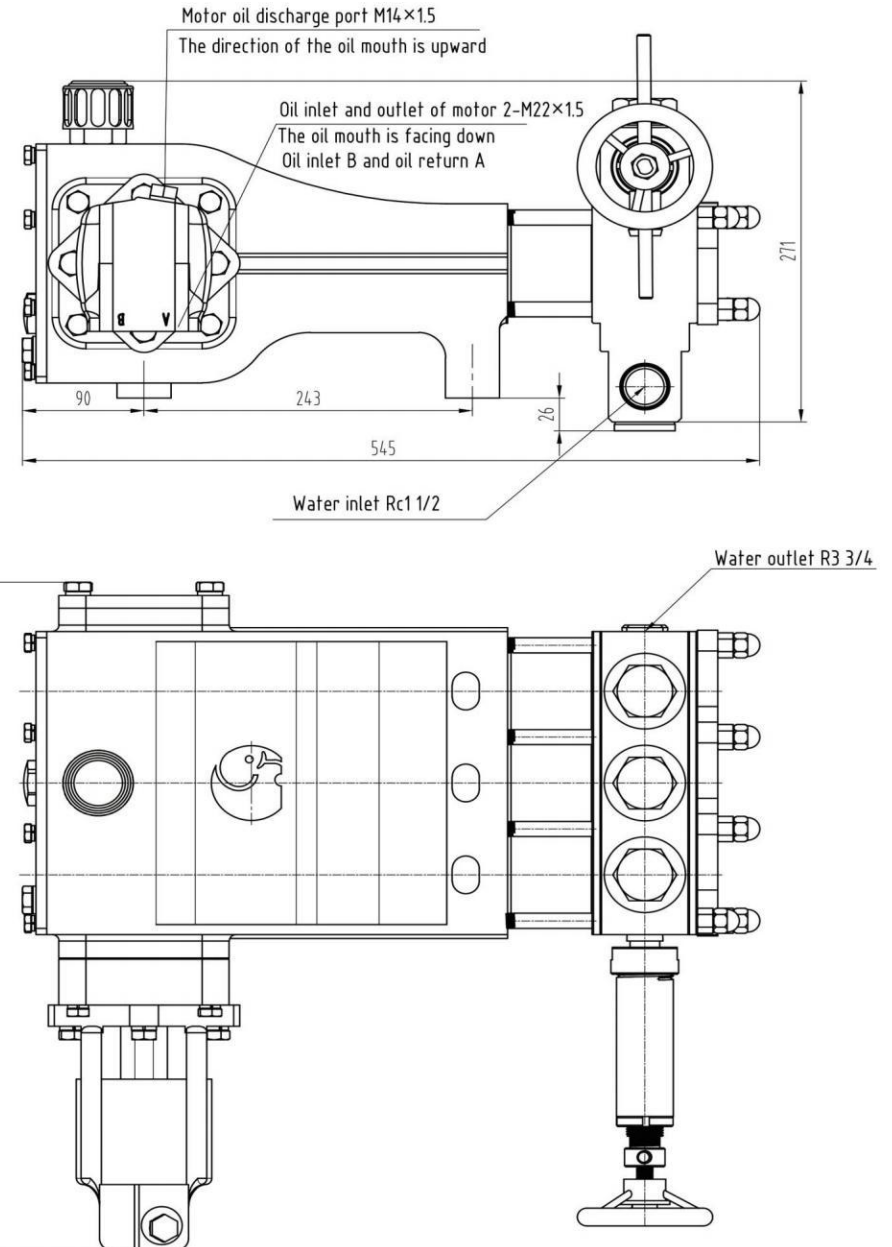


The BW-100Q reciprocating pump is a horizontal triplex reciprocating single-acting piston pump that is hydraulically driven. It is mainly used in conjunction with non-excavation drilling machines of about 10 tons, but can also be used for other purposes such as grouting, mine drainage, and long-distance water delivery. The pump can be adapted to different drill hole diameters and backhaul by continuously variable speed through the hydraulic motor. The design incorporates new concepts, new structures, new materials, and new processes. The pump has a compact structure, light weight, small size, and a beautiful appearance. The pump body, crankshaft, connecting rod, crosshead, pump head, and related components are as much as possible standardized and universal, making installation and maintenance convenient. The life of vulnerable parts is long and the reliability is high.

Horizontal triplex reciprocating single acting piston pump	
Stroke (mm)	48
Cylinder diameter (mm)	55
Flow (L/min)	100
Pressure (MPa)	7
Input speed (r/min)	295
Input power (KW)	13
Dimensions (mm)	545×532×285
Weight (kg)	90
Hydraulic motor model	2K604-0045
Hydraulic motor pressure (MPa)	17
Maximum motor flow (L/min)	58

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

BW-100Q Outline Dimension Drawing



BW-105Q



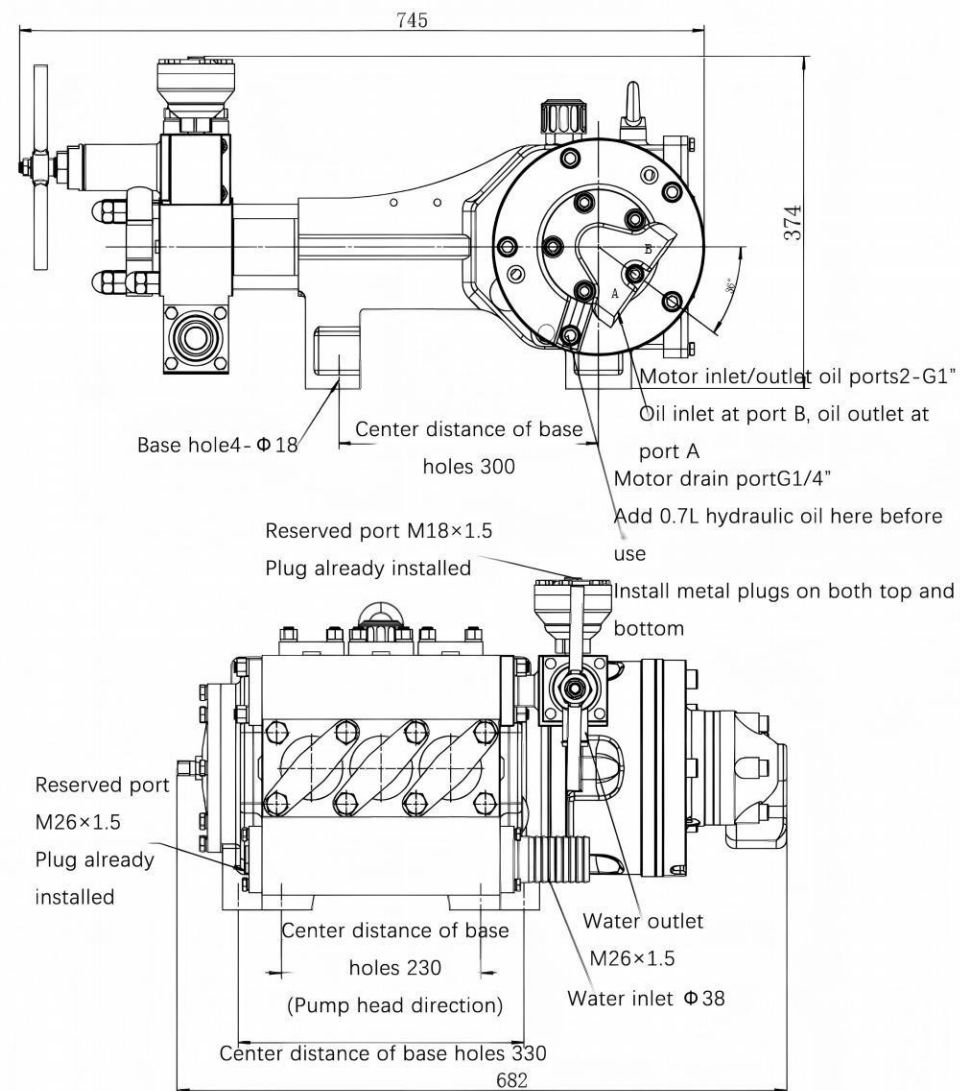
The BW-105Q reciprocating pump is a horizontal triplex single-acting piston pump driven by a hydraulic motor. It is primarily designed for use with 12-ton trenchless drilling rigs but can also be employed for grouting, mine drainage, long-distance water delivery, geological exploration, and other applications. Featuring stepless speed regulation via the hydraulic motor, this pump adapts to drilling and pullback operations with varying borehole diameters. Its design incorporates innovative concepts, utilizing new structures, materials, and manufacturing techniques. The pump boasts a compact structure, lightweight construction, small footprint, and aesthetically pleasing appearance. Key components such as the pump body, crankshaft, connecting rod, crosshead, pump head, and related parts are highly standardized and interchangeable, ensuring easy installation and maintenance. Additionally, it offers extended service life for wear-prone components and high operational reliability.

Horizontal triplex reciprocating single acting piston pump

Stroke(mm)	60
Cylinder diameter(mm)	50
Pump speed(r/min)	300
Flow(L/min)	105
Pressure(Mpa)	10
Input power(Kw)	20.2
Dimensions(mm)	745 × 682 × 377
Weight(kg)	175
Motor model	1-250
Hydraulic motor pressure(Mpa)	20
Maximum motor flow(L/min)	80

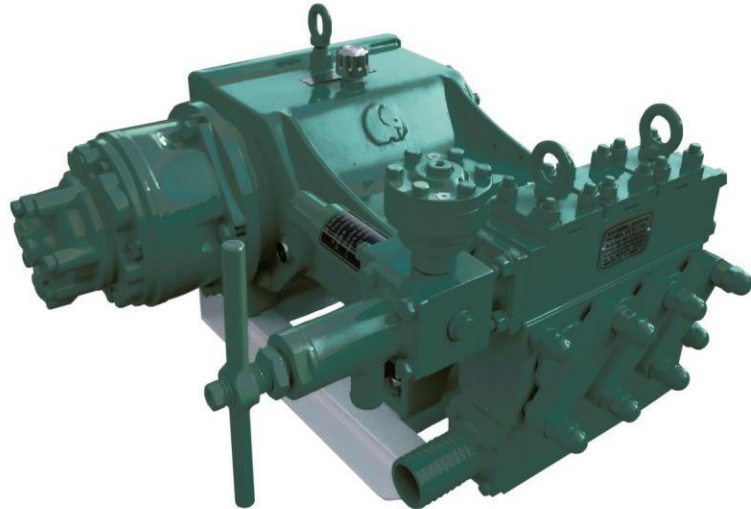
The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

BW-105Q Outline Dimension Drawing





BW-150Q (Hydraulic Motor Driven)



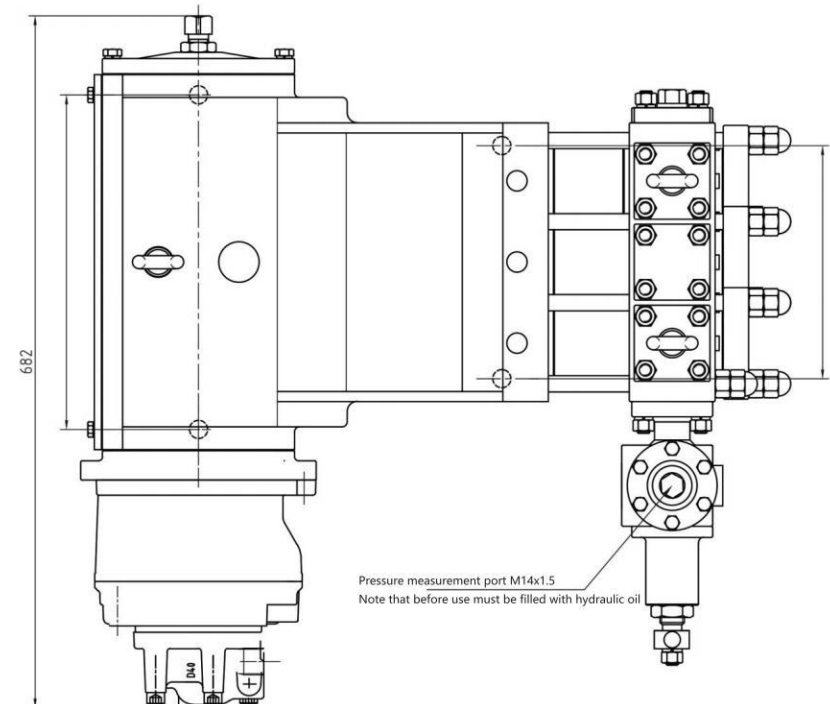
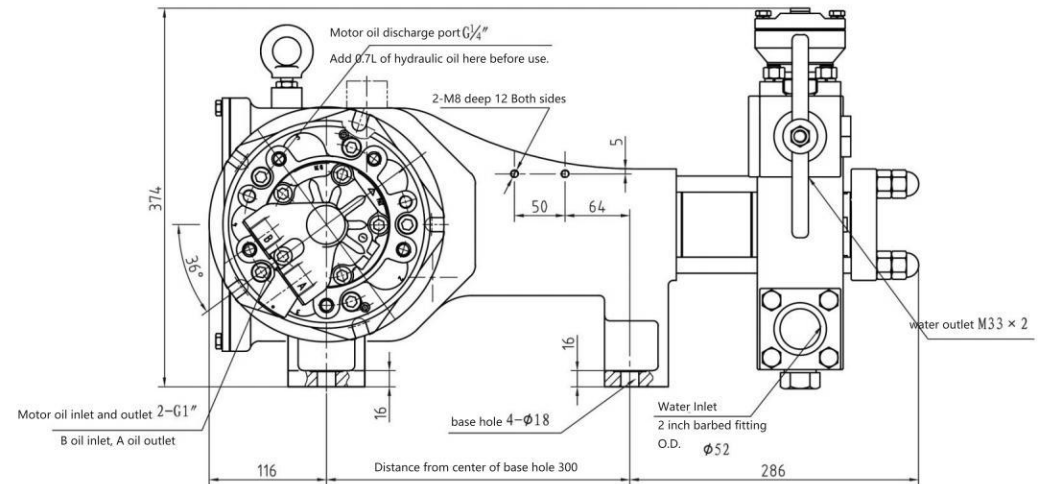
The BW-150Q reciprocating pump is a horizontal triplex reciprocating single-acting piston pump driven by a hydraulic motor. It is mainly used with non-excavation drilling rigs of around 12 tons, and can also be used for other purposes such as injection, mine drainage, long-distance water transfer, and geological exploration. The pump can be infinitely adjusted with a hydraulic motor to adapt to different drilling diameters and backfilling. The design adopts new concepts, new structures, new materials, and new processes, with compact structure, light weight, small size, and beautiful appearance. The pump body, crankshaft, connecting rod, crosshead, pump head, and related parts are as standardized and universal as possible for easy installation and maintenance. The service life of vulnerable parts is long and the reliability is high.

Horizontal triplex reciprocating single acting piston pump		
Stroke (mm)		60
Cylinder diameter (mm)		60
Flow (L/min)		150
Pressure (MPa)		7
Input speed (r/min)		295
Input power (KW)		21
Dimensions (mm)		702 × 682 × 374
Weight (kg)		200
Hydraulic motor model		1-250
Hydraulic motor pressure (MPa)		20
Maximum motor flow (L/min)		75

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.



BW-150Q Outline Dimension Drawing



BW-160 (Hydraulic Motor Driven)

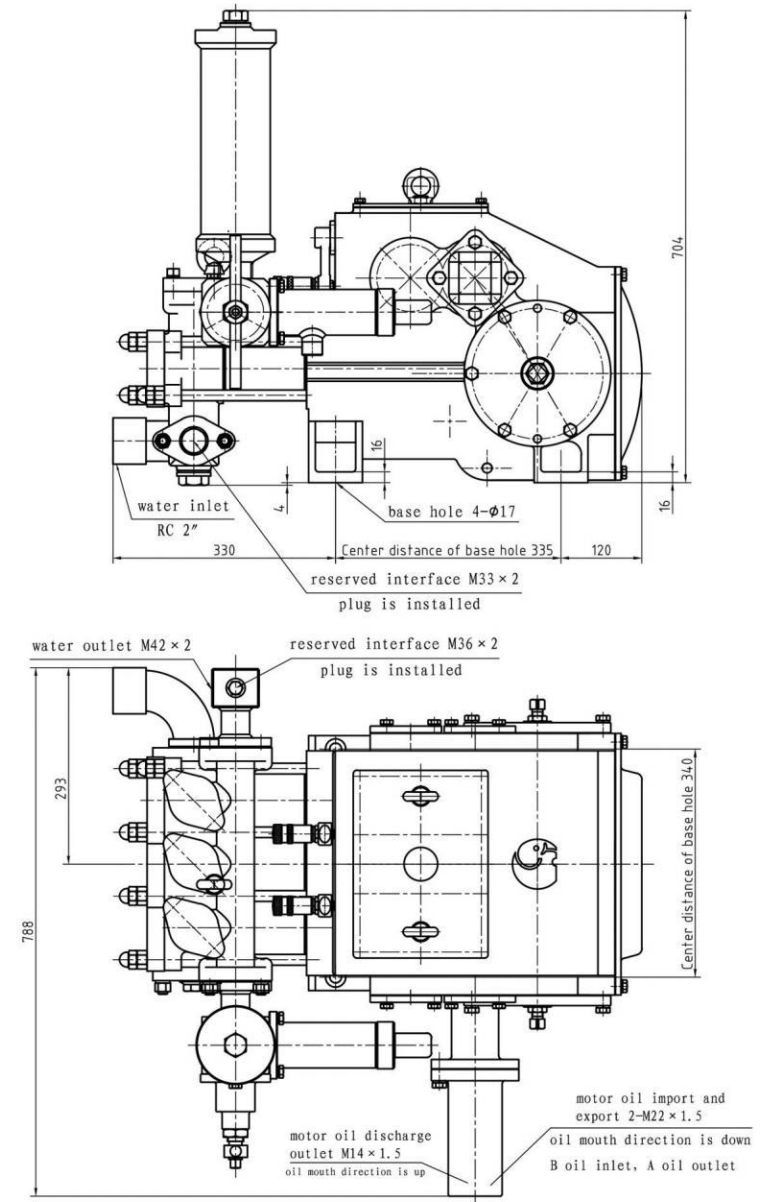


The BW-160 reciprocating pump is a horizontal triplex reciprocating single-acting piston pump that is driven by a hydraulic motor. It is mainly used in conjunction with non-excavation drilling rigs of around 15 tons, but can also be used for other purposes such as grouting, mine wastewater discharge, and long-distance water conveyance. The pump has four flow rates and four pressures, with a wide range of flow and pressure changes that can be applied to different drill hole diameters. In terms of design, new concepts, new structures, new materials, and new processes are used. The pump is compact, lightweight, small in size, and aesthetically pleasing. The pump body, crankshaft, connecting rod, crosshead, pump head, and related parts are designed to be standardized and universal, making installation and maintenance convenient. The service life of vulnerable parts is long, and the reliability is high.

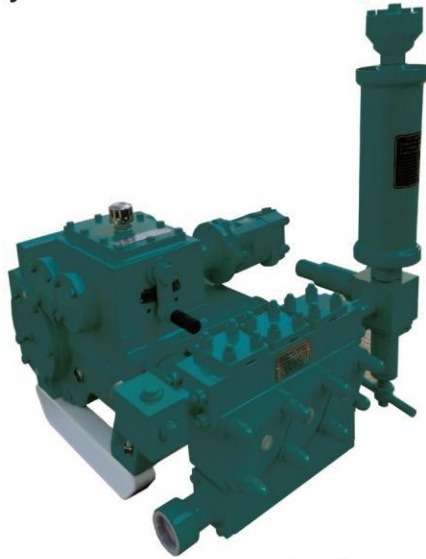
Horizontal triplex reciprocating single acting piston pump				
Stroke (mm)	70			
Cylinder diameter (mm)	70			
Flow (L/min)	160	107	67	44
Pressure (MPa)	2.7	4	6.5	10
Input speed (r/min)	540			
Input power (KW)	9			
Dimensions (mm)	785 × 788 × 708			
Weight (kg)	290			
Hydraulic motor model	2K604-0041			
Hydraulic motor pressure (MPa)	17			
Maximum motor flow (L/min)	48			

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

BW-160 Outline Dimension Drawing



BW-180 (Hydraulic Motor Driven)

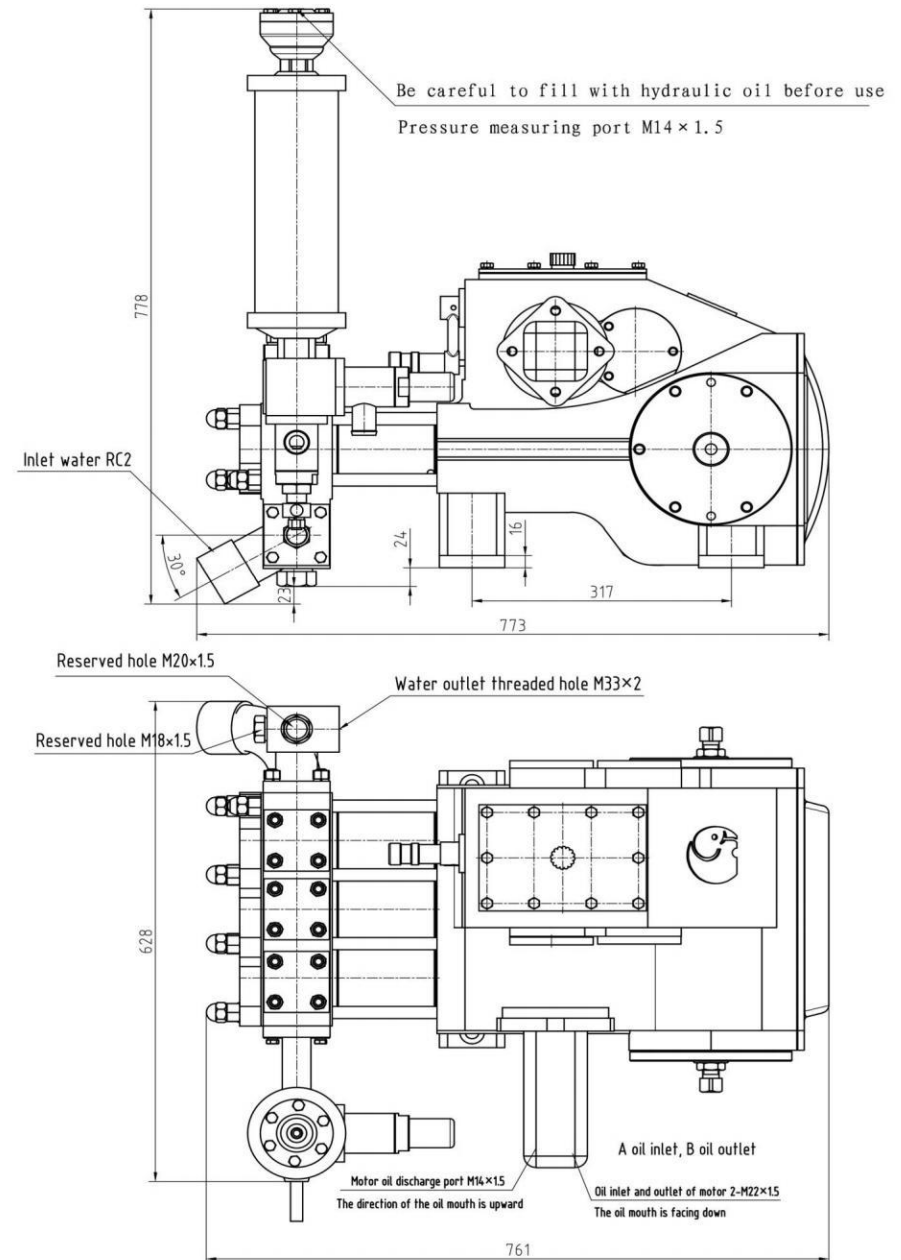


The BW-180 reciprocating pump is a horizontal, triplex, reciprocating, single-acting piston pump that is driven by a hydraulic motor. It is mainly used in conjunction with non-excavation drilling machines weighing around 18 tons, and can also be used for other purposes such as grouting, mine drainage, and long-distance water delivery. The pump has two flow rates and two pressures, with a wide range of flow and pressure changes and can be adapted to different hole diameters for drilling and backwashing. In the design, new concepts, new structures, new materials and new processes are used, which make the pump compact in structure, lightweight, small in size, and aesthetically pleasing. The pump body, crankshaft, connecting rod, crosshead, pump head and related parts are as standardized and universal as possible, making installation and maintenance convenient. The service life of vulnerable parts is long, and the reliability is high.

Horizontal triplex reciprocating single acting piston pump		
Stroke (mm)	60	
Cylinder diameter (mm)	70	
Flow (L/min)	180	71
Pressure (MPa)	3.2	8
Input speed (r/min)	640	
Input power (KW)	12	
Dimensions (mm)	773×680×778	
Weight (kg)	252	
Hydraulic motor model	2K604-0041	
Hydraulic motor pressure (MPa)	17	
Maximum motor flow (L/min)	56	

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

BW-180 Outline Dimension Drawing



BWF-250 (Hydraulic Motor Driven)

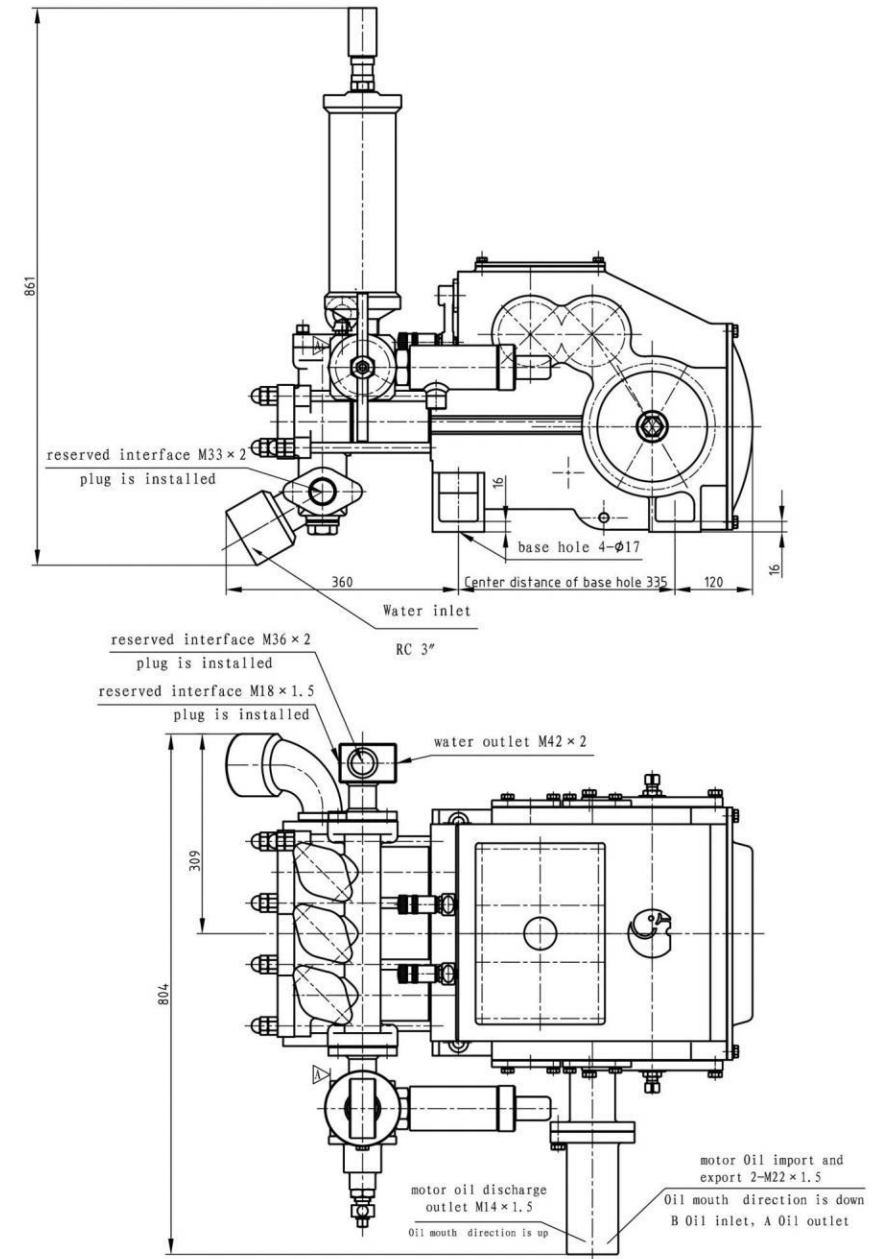


The BWF-250 reciprocating pump is a horizontal triplex reciprocating single-acting piston pump, driven by a hydraulic motor. It is mainly used in conjunction with excavators of about 25 tons for non-excavation drilling, and can also be used for other applications such as grouting, mining drainage, and long-distance water delivery. The pump has four flow rates and four pressures, with a wide range of flow and pressure changes, making it suitable for different diameters of drilling and backfilling. The design adopts new concepts, new structures, new materials, and new processes and is compact, lightweight, small in size, and aesthetically pleasing. The pump body, crankshaft, connecting rod, crosshead, pump head, and related parts are as standardized and universal as possible to facilitate installation and maintenance. The service life of wearing parts is long, and reliability is high.

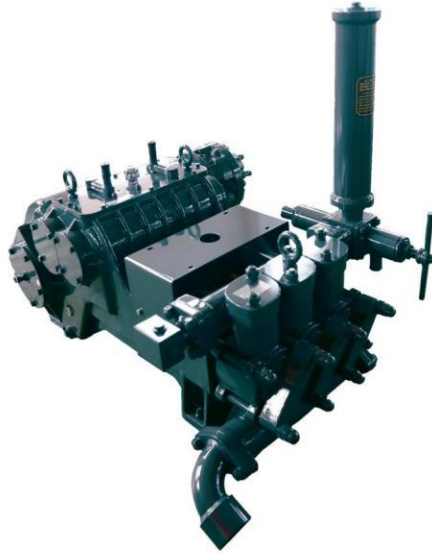
Horizontal triplex reciprocating single acting piston pump				
Stroke (mm)	70			
Cylinder diameter (mm)	75			
Flow (L/min)	250	158	100	69
Pressure (MPa)	2.5	4	6	9
Input speed (r/min)	727			
Input power (KW)	14			
Dimensions (mm)	815×804×890			
Weight (kg)	290			
Hydraulic motor model	2K604-0041			
Hydraulic motor pressure (MPa)	17			
Maximum motor flow (L/min)	64			

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

BWF-250 Outline Dimension Drawing



BW-320 (Hydraulic Motor Driven)

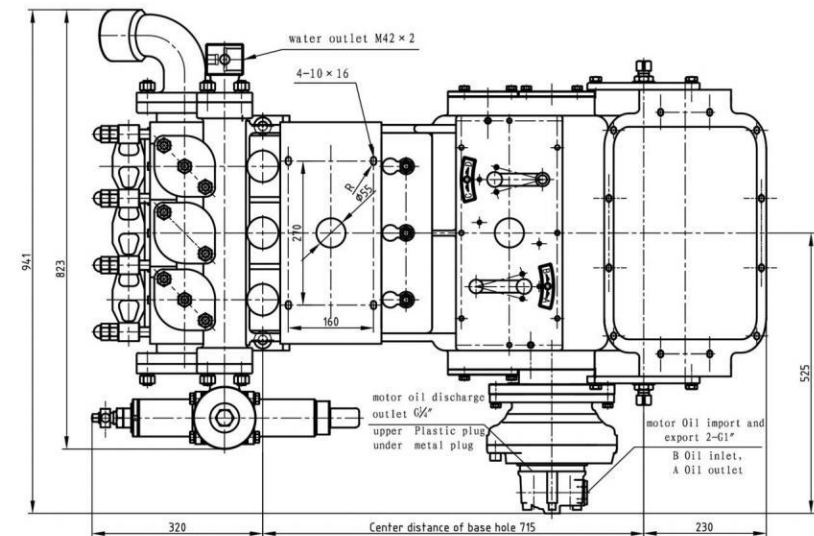
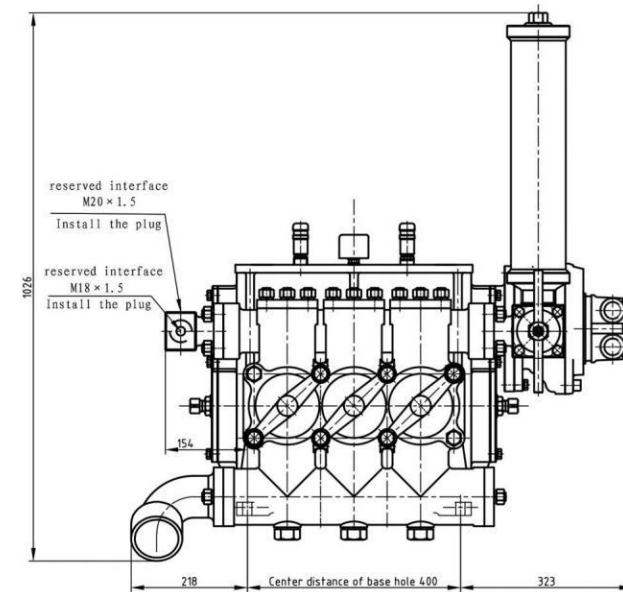


The BW-320 reciprocating pump is a horizontal triplex reciprocating single-acting plunger pump, driven by a hydraulic motor. It is mainly used in conjunction with non-excavation drill rigs of around 35 tons, as well as for other purposes such as grouting, mine drainage, and long-distance water transport. This pump has four types of flow rates and four types of pressures, with a wide range of flow rate and pressure changes, making it suitable for different borehole diameters for drilling and backfilling. The design adopts new concepts, new structures, new materials, and new processes. The structure is compact, lightweight, small in size, and aesthetically pleasing. The pump body, crankshaft, connecting rod, crosshead, pump head, and related components are standardized and universalized as much as possible for easy installation and maintenance. The service life of vulnerable parts is long, with high reliability.

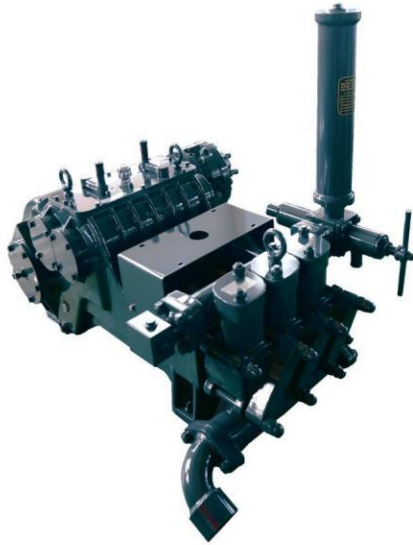
Horizontal triplex reciprocating single acting piston pump				
Stroke (mm)				110
Cylinder diameter (mm)				80
Flow (L/min)	320	230	165	118
Pressure (MPa)	4	5	6	8
Input speed (r/min)				535
Input power (KW)				30
Dimensions (mm)				1265 × 941 × 1026
Weight (kg)				640
Hydraulic motor model				1-175
Hydraulic motor pressure (MPa)				20
Maximum motor flow (L/min)				102

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

BW-320 Outline Dimension Drawing



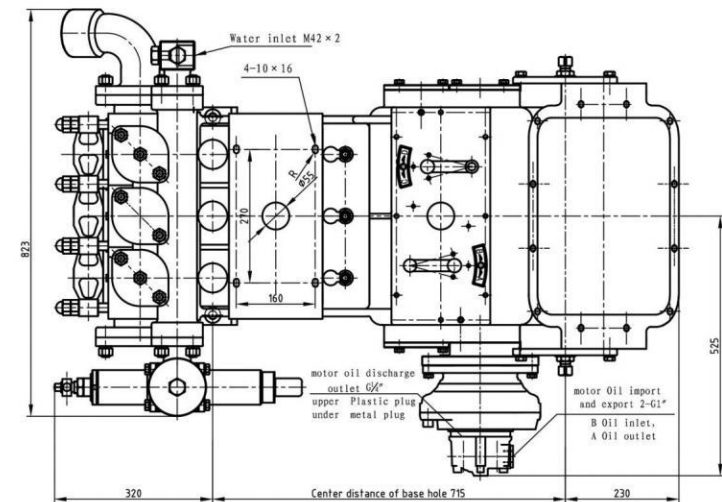
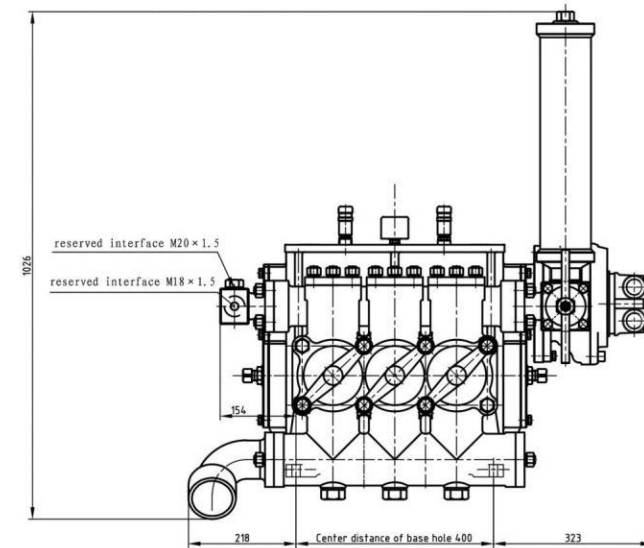
BW-400 (Hydraulic Motor Driven)



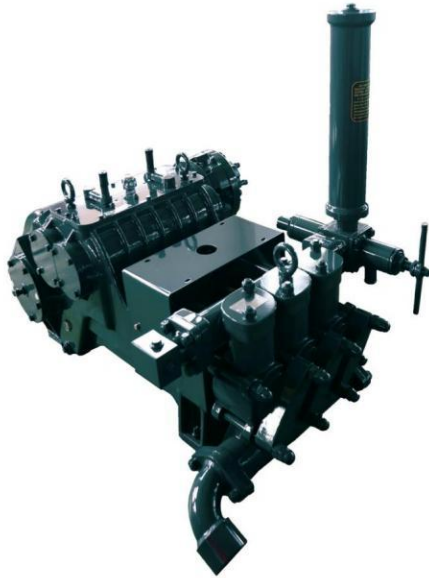
The BW-400 reciprocating pump is a horizontal triplex reciprocating single-acting plunger pump that is driven by a hydraulic motor. It is mainly used in conjunction with non-excavation drilling rigs of around 40 tons, and can also be used for grouting, mine drainage and long-distance water delivery in other applications. The pump has four flow rates and four pressures, with a wide range of changes in flow rate and pressure to suit different borehole sizes and backflushing. The design incorporates new concepts and utilizes new structures, materials, and processes. It is compact in structure, light in weight, small in size, and aesthetically pleasing. The pump body, crankshaft, connecting rod, crosshead, pump head, and related components are designed to be as standardized and interchangeable as possible, making installation and maintenance easy. The service life of vulnerable parts is long and its reliability is high.

Horizontal triplex reciprocating single acting piston pump				
Stroke (mm)	110			
Cylinder diameter (mm)	85			
Flow (L/min)	400	290	200	150
Pressure (MPa)	3	4.5	6	10
Input speed (r/min)	538			
Input power (KW)	35			
Dimensions (mm)	1265 × 941 × 1026			
Weight (kg)	650			
Hydraulic motor model	1-175			
Hydraulic motor pressure (MPa)	20			
Maximum motor flow (L/min)	105			

BW-400 Outline Dimension Drawing



BWF-400 (Hydraulic Motor Driven)

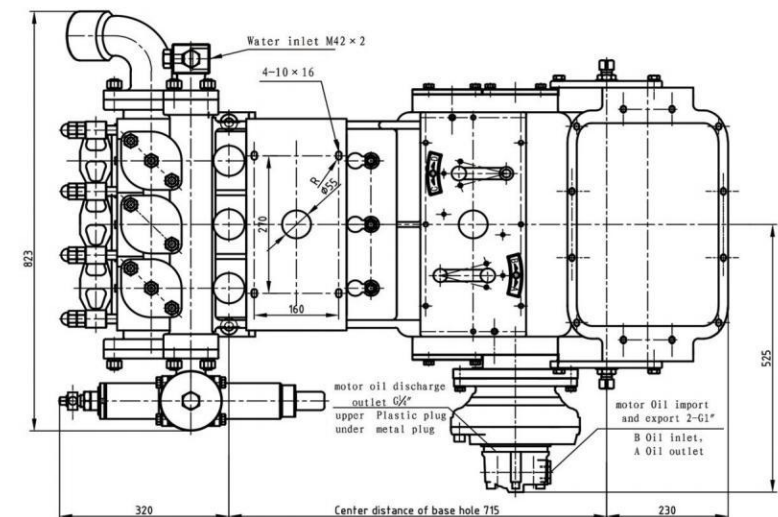
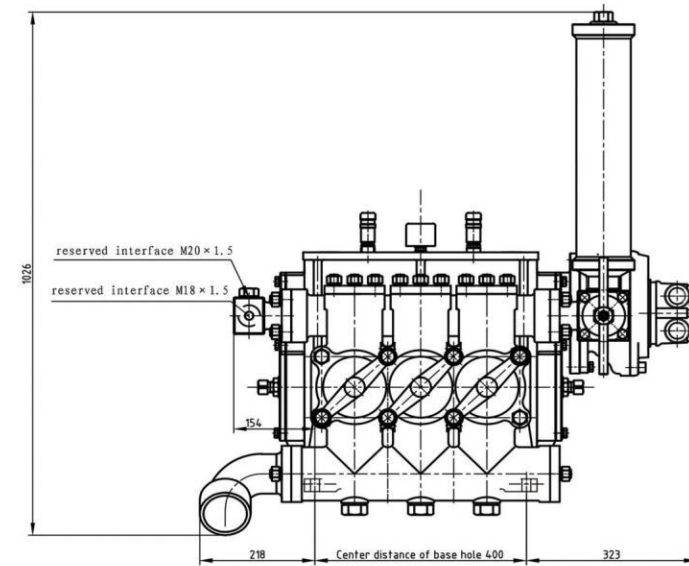


The BWF-400 reciprocating pump is a horizontal triplex reciprocating single-acting plunger pump driven by a hydraulic motor. It is mainly used in conjunction with non-excavation drilling rigs of around 40 tons, and can also be used for other purposes such as grouting, mine drainage, and long-distance water delivery. The pump has four flow rates and four pressures, with a large range of flow rate and pressure changes, making it suitable for different drill hole diameters and backflushing. The design adopts new concepts, new structures, new materials, and new processes, with a compact structure, light weight, small size, and beautiful appearance. The pump body, crankshaft, connecting rod, crosshead, pump head, and related components are as standardized and universalized as possible for convenient installation and maintenance. The service life of vulnerable parts is long, and the reliability is high.

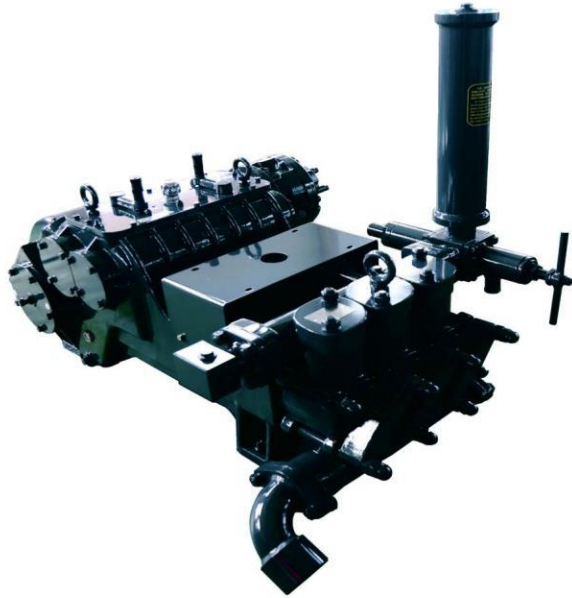
Horizontal triplex reciprocating single acting piston pump				
Stroke (mm)	110			
Cylinder diameter (mm)	85			
Flow (L/min)	400	242	154	93
Pressure (MPa)	2.3	3.8	6	10
Input speed (r/min)	515			
Input power (KW)	30			
Dimensions (mm)	1265×941×1026			
Weight (kg)	650			
Hydraulic motor model	1-150			
Hydraulic motor pressure (MPa)	20			
Maximum motor flow (L/min)	95			

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

BWF-400 Outline Dimension Drawing



BW-450 (Hydraulic Motor Driven)

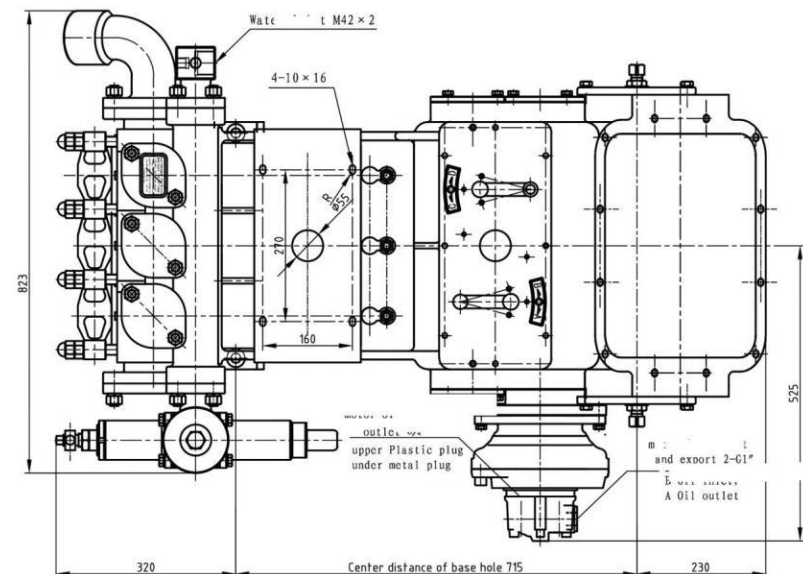
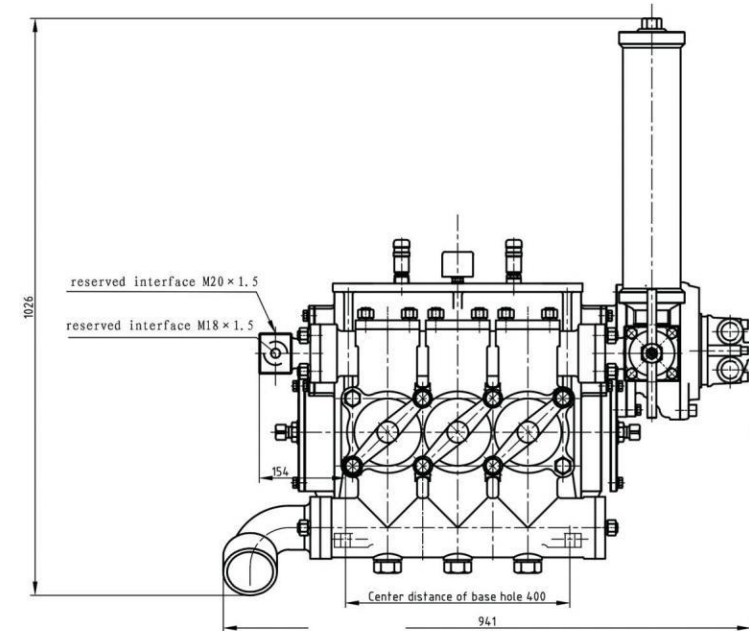


The BW-450 mud pump is a horizontal triplex reciprocating single-acting piston pump, driven by a hydraulic motor. It is mainly used with non-excavation drilling rigs of around 45 tons, but can also be used for grouting, mine drainage, and long-distance water transport. The pump has four flow rates and four pressures, with a wide range of variations to suit different hole diameters for drilling and backpulling. The design incorporates new concepts, materials, and processes, with a compact structure, lightweight, small size, and attractive appearance. The pump body, crankshaft, connecting rod, crosshead, pump head, and related parts are standardized and universal, making installation and maintenance convenient. The vulnerable parts have a long service life and high reliability.

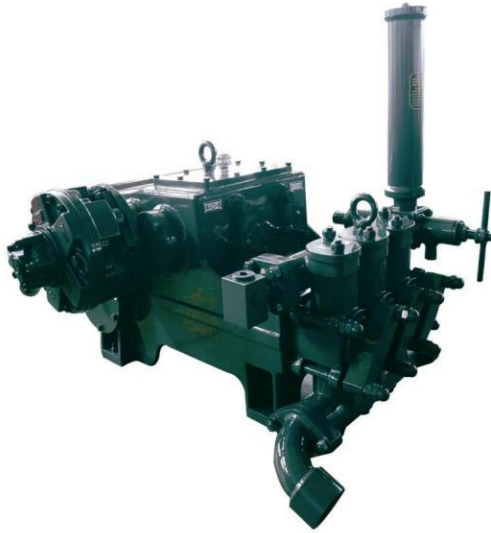
Horizontal triplex reciprocating single acting piston pump				
Stroke (mm)	110			
Cylinder diameter (mm)	95			
Flow (L/min)	450	320	230	165
Pressure (MPa)	3.5	4.5	6	8
Input speed (r/min)	508			
Input power (KW)	36			
Dimensions (mm)	1265×879×1026			
Weight (kg)	640			
Hydraulic motor model	1-200			
Hydraulic motor pressure (MPa)	20			
Maximum motor flow (L/min)	112			

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

BW-450 Outline Dimension Drawing



BW-600 (Hydraulic Motor Driven)

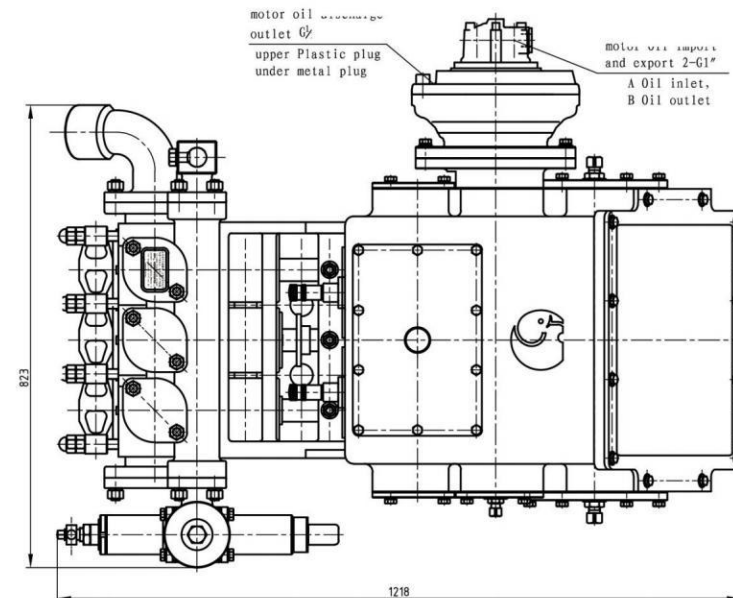
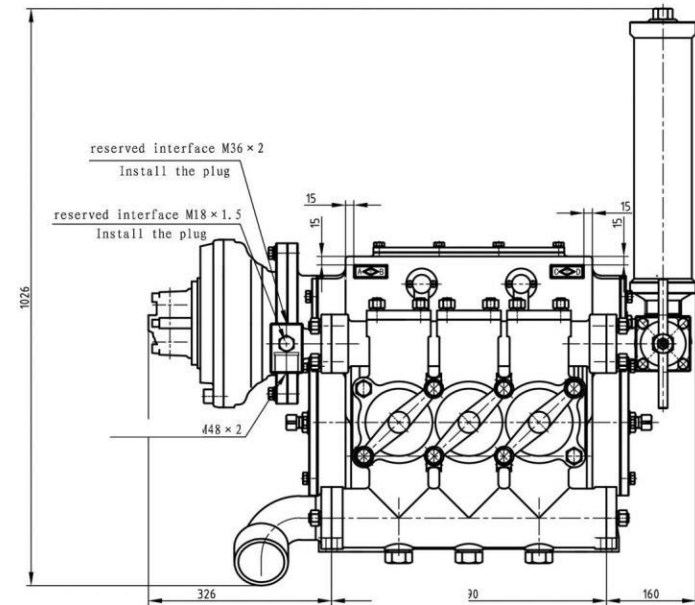


The BW-600 reciprocating pump is a horizontal triplex reciprocating single-acting piston pump, which is driven by a hydraulic motor. It is mainly used in conjunction with non-excavation drilling rigs of about 70 tons, and can also be used for other purposes such as grouting, mine drainage, and long-distance water delivery. The pump has four different flow rates and four different pressures, with a wide range of flow and pressure changes, suitable for different borehole drilling and backfilling. The design incorporates new concepts, new structures, new materials, and new processes, with a compact structure, light weight, small size, and attractive appearance. It is easy to install and maintain, and features high output pressure, long service life of vulnerable parts, and stable performance.

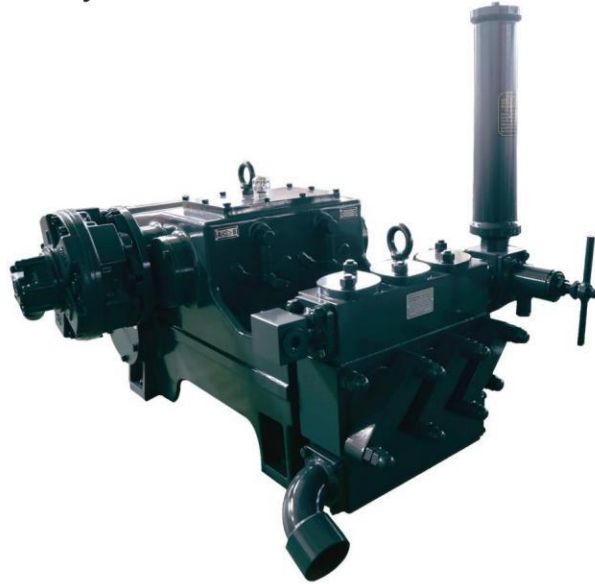
Horizontal triplex reciprocating single acting piston pump				
Stroke (mm)	110			
Cylinder diameter (mm)	100			
Flow (L/min)	600	415	280	195
Pressure (MPa)	3.5	5	7.5	10
Input speed (r/min)	550			
Input power (KW)	47			
Dimensions (mm)	1222 × 823 × 1026			
Weight (kg)	760			
Hydraulic motor model	2-250			
Hydraulic motor pressure (MPa)	20			
Maximum motor flow (L/min)	152			

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

BW-600 Outline Dimension Drawing



BW-800 (Hydraulic Motor Driven)

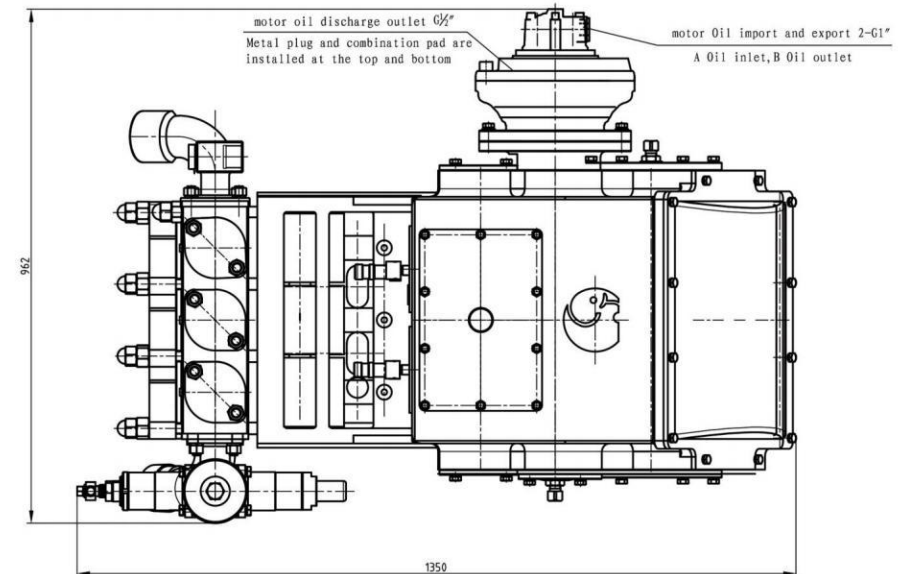
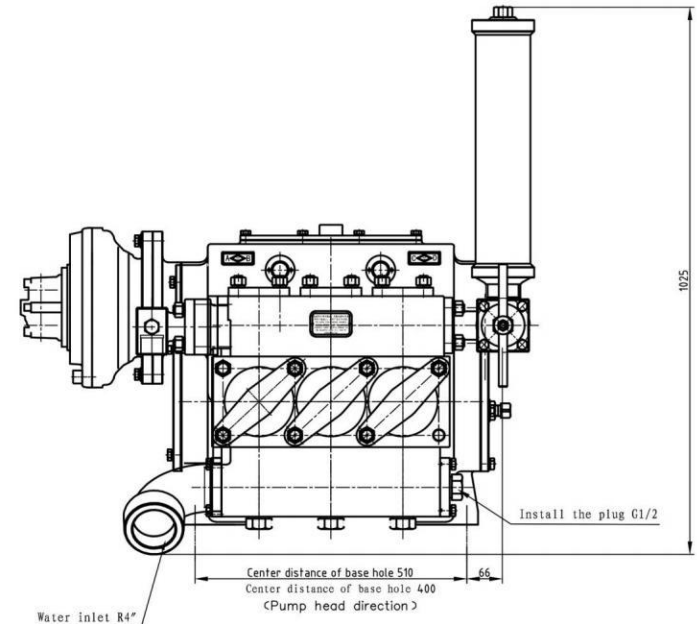


The BW-800 reciprocating pump is a horizontal triplex reciprocating single-acting piston pump, driven by a hydraulic motor. It is mainly used in conjunction with non-excavating drilling machines weighing around 90 tons, and can also be used for other purposes such as grouting, mine drainage, and long-distance water delivery. The pump has four flow rates and four pressure levels, with a large range of flow and pressure changes, making it suitable for different aperture drilling and backstroke. In terms of design, new concepts, new structures, new materials, and new processes are adopted; the structure is compact, light in weight, small in size, and aesthetically pleasing; installation and maintenance are convenient; and it has the characteristics of high output pressure, long service life of vulnerable parts, and stable performance.

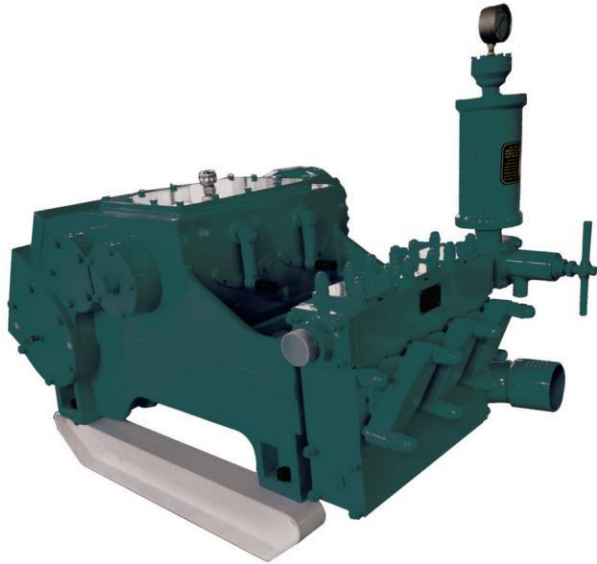
Horizontal triplex reciprocating single acting piston pump				
Stroke (mm)	135			
Cylinder diameter (mm)	110			
Flow (L/min)	800	550	370	260
Pressure (MPa)	3.5	5	7.5	10
Input speed (r/min)	503			
Input power (KW)	54			
Dimensions (mm)	1339×948×1019			
Weight (kg)	950			
Hydraulic motor model	2-350			
Hydraulic motor pressure (MPa)	20			
Maximum motor flow (L/min)	195			

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

BW-800 Outline Dimension Drawing



BW-1000 (Hydraulic Motor Driven)

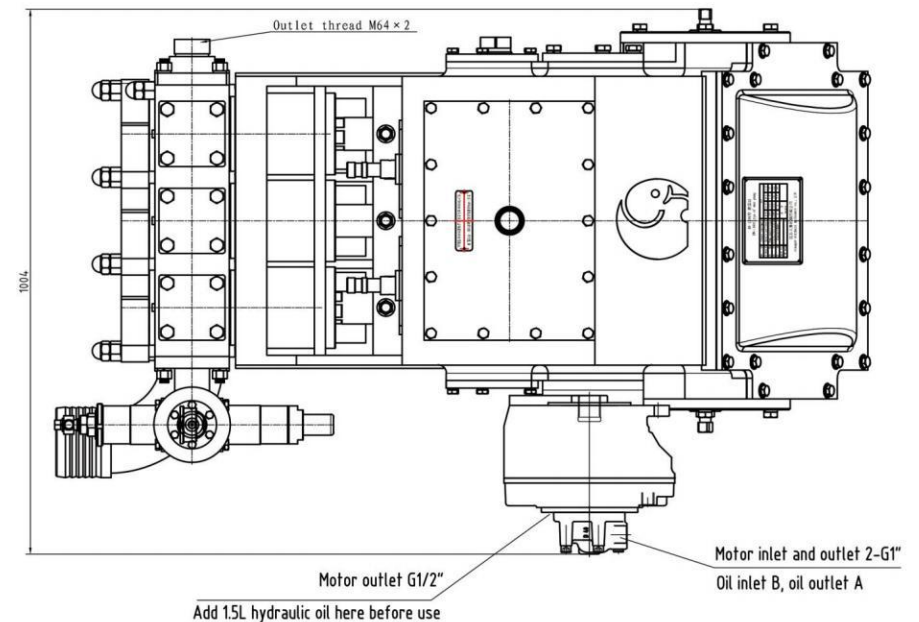
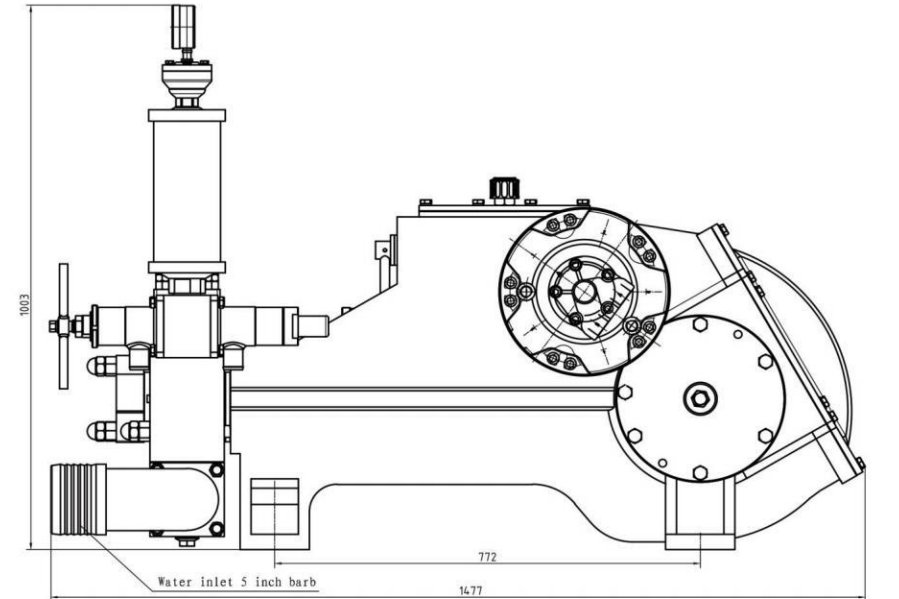


The BW-1000 reciprocating pump is a horizontal, triplex, single-acting piston pump that is hydraulically driven. It is mainly used in conjunction with non-excavation drilling machines weighing around 100 tons, but can also be used for grouting, mine drainage, and long-distance water transportation, among other purposes. The pump has four flow rates and four pressures, with a large range of flow rate and pressure variations to accommodate different borehole drilling and backflow requirements. The design incorporates new concepts, structures, materials, and technologies, with a compact structure, light weight, small size, and attractive appearance. It is easy to install and maintain, and features high output pressure, longer life expectancy of vulnerable parts, and stable performance.

Horizontal triplex reciprocating single acting piston pump				
Stroke (mm)	140			
Cylinder diameter (mm)	115			
Flow (L/min)	1000	650	515	335
Pressure (MPa)	4	6	7.5	10
Input speed (r/min)	475			
Input power (KW)	80			
Dimensions (mm)	1477×1004×1003			
Weight (kg)	1300			
Hydraulic motor model	2-420			
Hydraulic motor pressure (MPa)	25			
Maximum motor flow (L/min)	222			

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

BW-1000 Outline Dimension Drawing



YBW-1200 (Hydraulic Motor Driven)

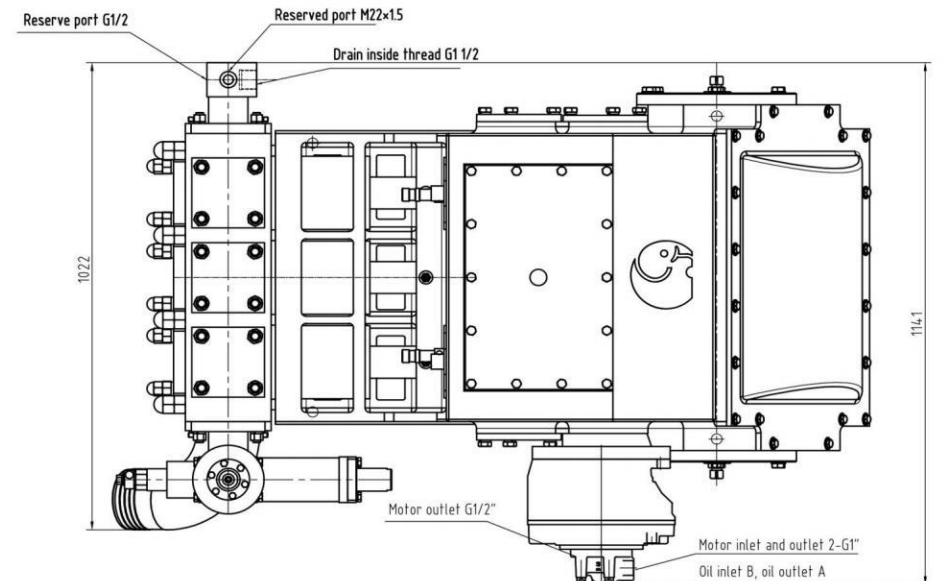
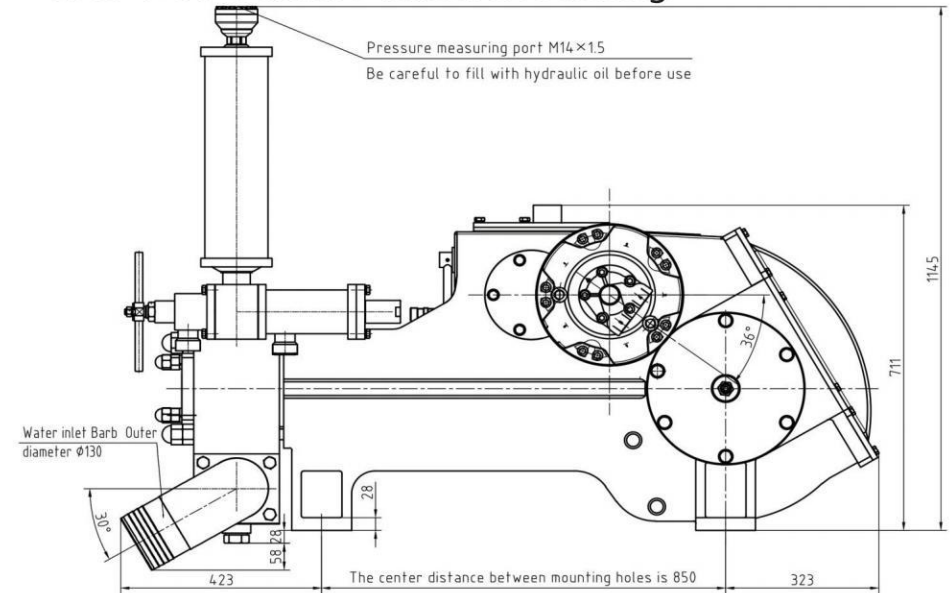


The YBW-1200 reciprocating pump is a horizontal triplex reciprocating single-acting piston pump driven by a hydraulic motor. It is mainly used in conjunction with non-excavation drilling machines of about 150 tons, and can also be used for other purposes such as grouting, mine drainage, and long-distance water delivery. The pump has four flow rates and four pressures, and its flow and pressure range can be adjusted to suit different diameters of drilling and backflow. In terms of design, new concepts, structures, materials, and processes are adopted. The pump has a compact structure, light weight, small size, and beautiful appearance. It is easy to install and maintain, and has the characteristics of high output pressure, long service life of vulnerable parts, and stable performance.

Horizontal triplex reciprocating single acting piston pump				
Stroke (mm)	150			
Cylinder diameter (mm)	125			
Flow (L/min)	1200	779	600	385
Pressure (MPa)	4	6	8	12
Input speed (r/min)	480			
Input power (KW)	100			
Dimensions (mm)	1596×1170×1242			
Weight (kg)	1700			
Hydraulic motor model	2-500			
Hydraulic motor pressure (MPa)	25			
Maximum motor flow (L/min)	260			

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

YBW-1200 Outline Dimension Drawing



DXBH-200



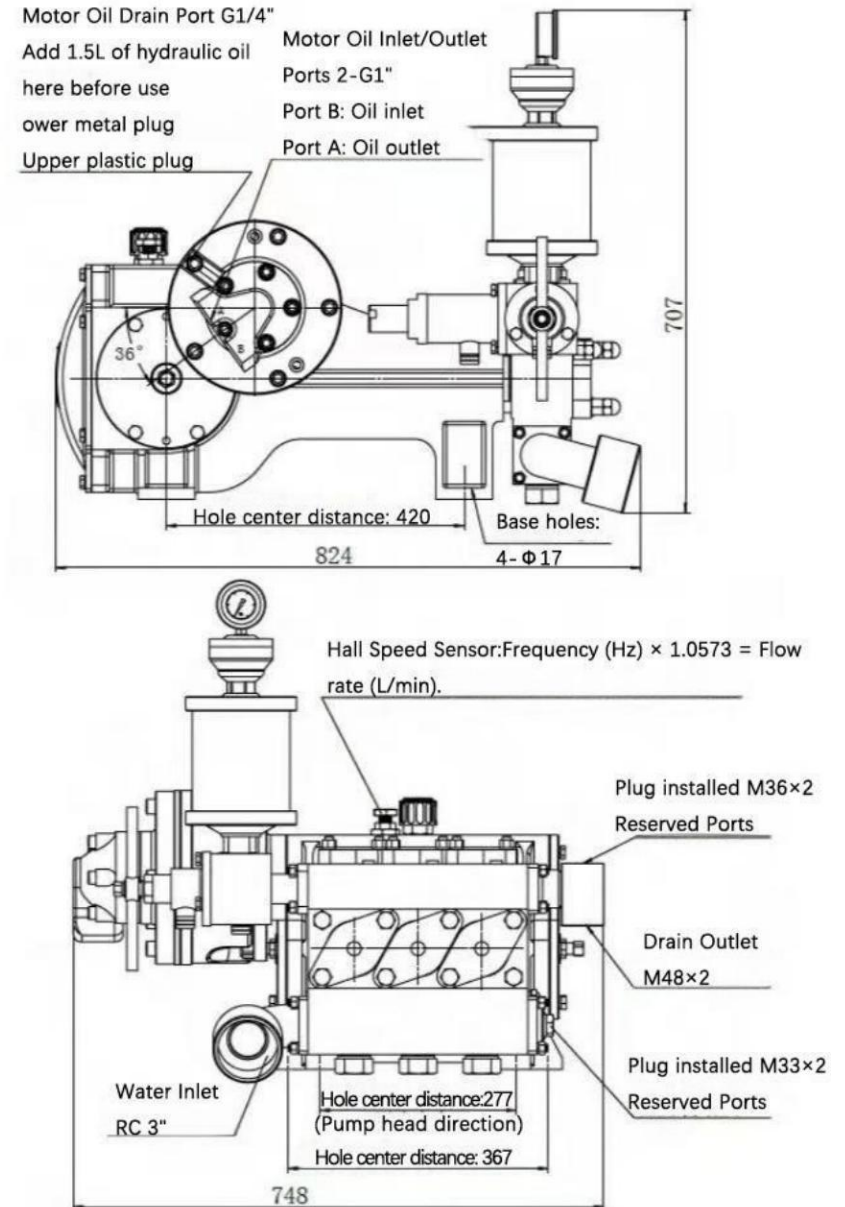
The DXBH-200 reciprocating pump is a horizontal triplex single-acting piston pump driven by a hydraulic motor. It is primarily designed for use with 20-ton trenchless drilling rigs but can also be employed in other applications such as grouting, mine drainage, long-distance water delivery, geological exploration, and more. Featuring stepless speed regulation via a hydraulic motor, this pump adapts to drilling and pullback operations of varying borehole diameters. Its design incorporates innovative concepts, advanced structures, new materials, and modern manufacturing techniques, resulting in a compact, lightweight, and aesthetically pleasing unit. Key components—including the pump body, crankshaft, connecting rod, crosshead, pump head, and related parts—are highly standardized and modularized for easy installation and maintenance. The pump boasts extended service life for wear-prone components and high operational reliability.

Horizontal triplex reciprocating single acting piston pump

Stroke(mm)	60
Cylinder diameter(mm)	70
Pump speed(r/min)	145~290
Flow(L/min)	100~200
Pressure(Mpa)	8~4
Input power(Kw)	15.4
Dimensions(mm)	824 × 748 × 707
Weight(kg)	275
Motor model	BD1-175~90 3H
Hydraulic motor pressure(Mpa)	20
Maximum motor flow(L/min)	90

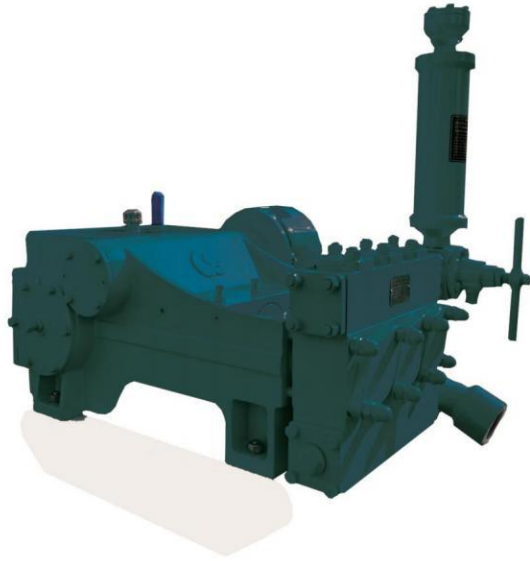
The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

DXBH-200 Outline Dimension Drawing





DXBH-300 (Hydraulic Motor Driven)



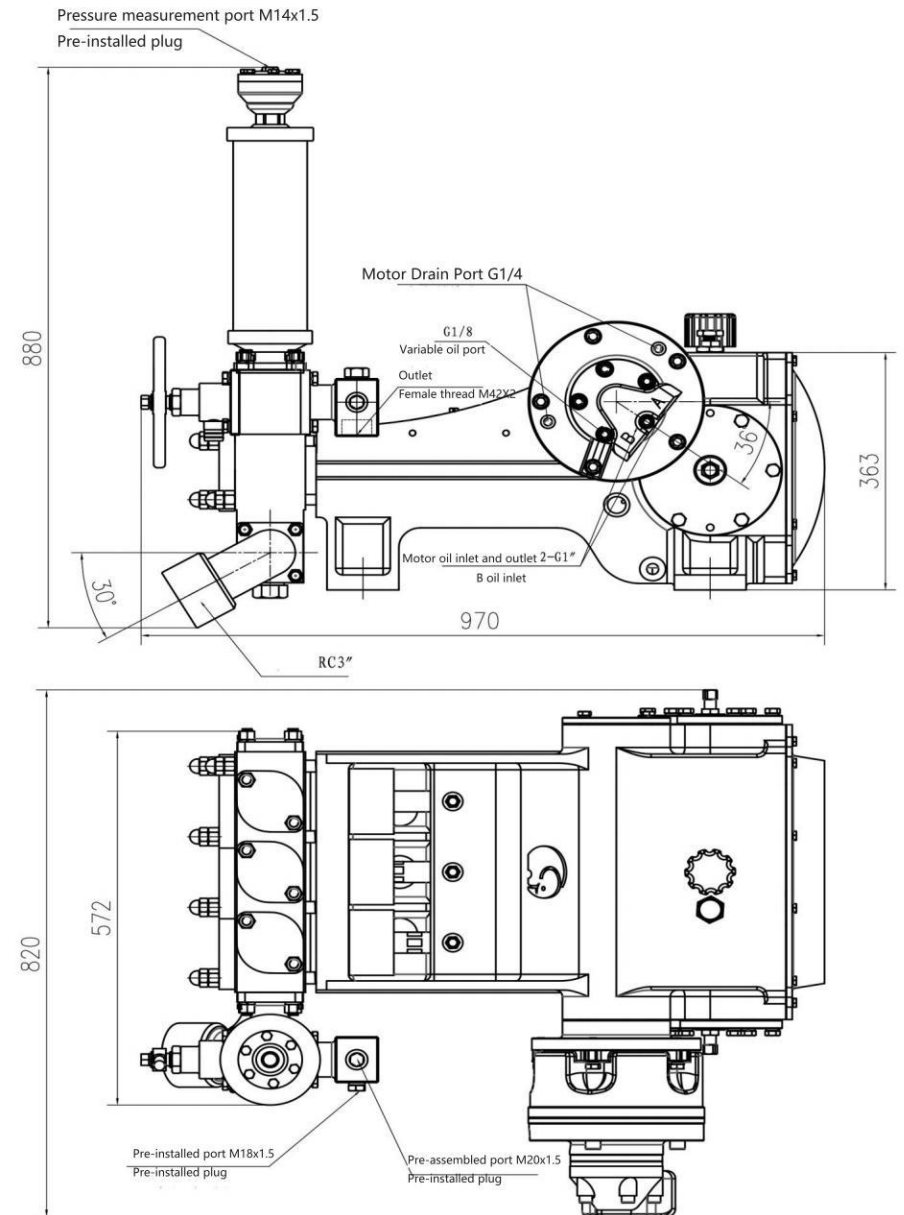
The DXBH-300 reciprocating pump is a horizontal triplex reciprocating single-acting piston pump, which is driven by a double displacement hydraulic motor. It is mainly used in conjunction with non-excavation drilling machines of about 25 tons, and can also be used for other purposes such as grouting, mine drainage, and long-distance water delivery. The pump has two flow rates and two pressures, and the shift operation is achieved by remote adjustment of the hydraulic motor flow rate, which changes the traditional manual shift operation mode. The pump adopts new concepts and new structures; it is compact in structure, beautiful in appearance, easy to install and maintain, with a longer life span for vulnerable parts and stable performance.

Horizontal triplex reciprocating single acting piston pump	
Stroke (mm)	75
Cylinder diameter (mm)	80
Flow (L/min)	300 ~ 150
Pressure (MPa)	4 ~ 8
Input speed (r/min)	895 ~ 448
Input power (KW)	24
Dimensions (mm)	970 × 820 × 880
Weight (kg)	380
Hydraulic motor model	BD1 175~90
Hydraulic motor pressure (MPa)	21
Maximum motor flow (L/min)	88

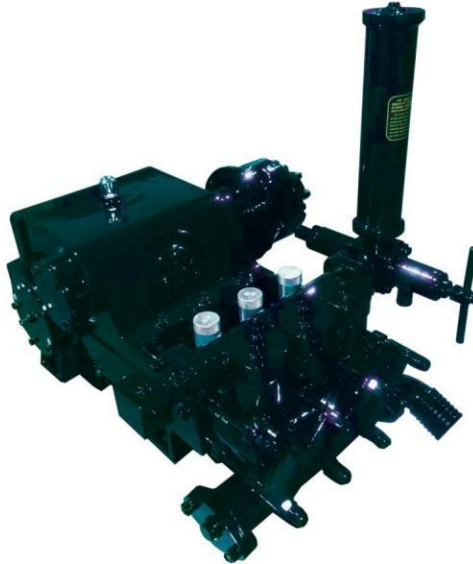
The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.



DXBH-300 Outline Dimension Drawing



DXB-300/8 (Hydraulic Motor Driven)

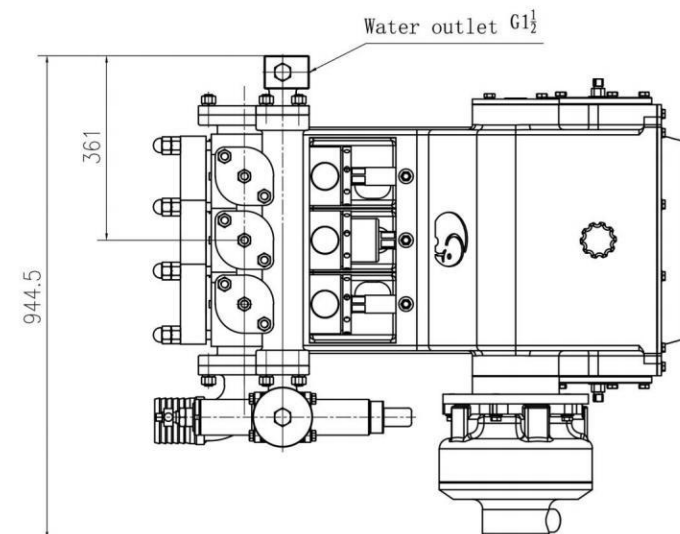
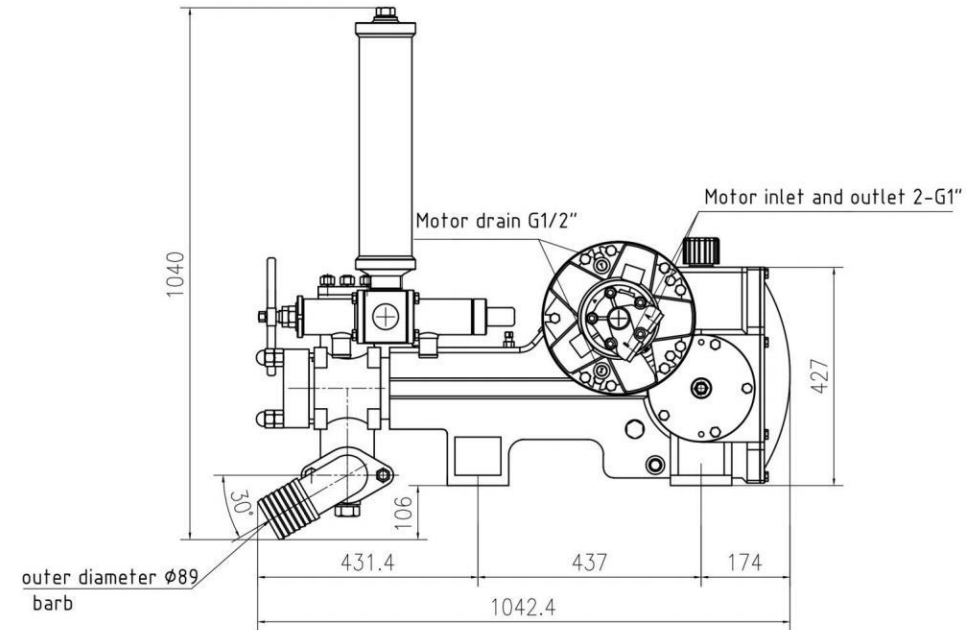


The DXB-300/8 reciprocating pump is a horizontal triplex reciprocating single-acting plunger pump, driven by a hydraulic motor. It is mainly used for tunnel drilling rigs, trenchless drilling rigs, and can also be used for other purposes, such as grouting, mine drainage, and long-distance water delivery. The pump can adjust the flow rate by remotely adjusting the hydraulic motor flow, and can also be equipped with a variable motor, changing the traditional manual shift operation mode. The pump adopts a new concept and structure, with a compact structure, beautiful appearance, easy installation and maintenance, long service life of vulnerable parts, and stable performance.

Horizontal triplex reciprocating single acting piston pump		
Stroke (mm)		80
Cylinder diameter (mm)		85
Flow (L/min)		300
Pressure (MPa)		8
Input speed (r/min)		460
Input power (KW)		48
Dimensions (mm)		1045×945×1040
Weight (kg)		585
Hydraulic motor model		2-350
Hydraulic motor pressure (MPa)		21
Maximum motor flow (L/min)		177

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

DXB-300/8 Outline Dimension Drawing



DXB-330/10 (Hydraulic Motor Driven)

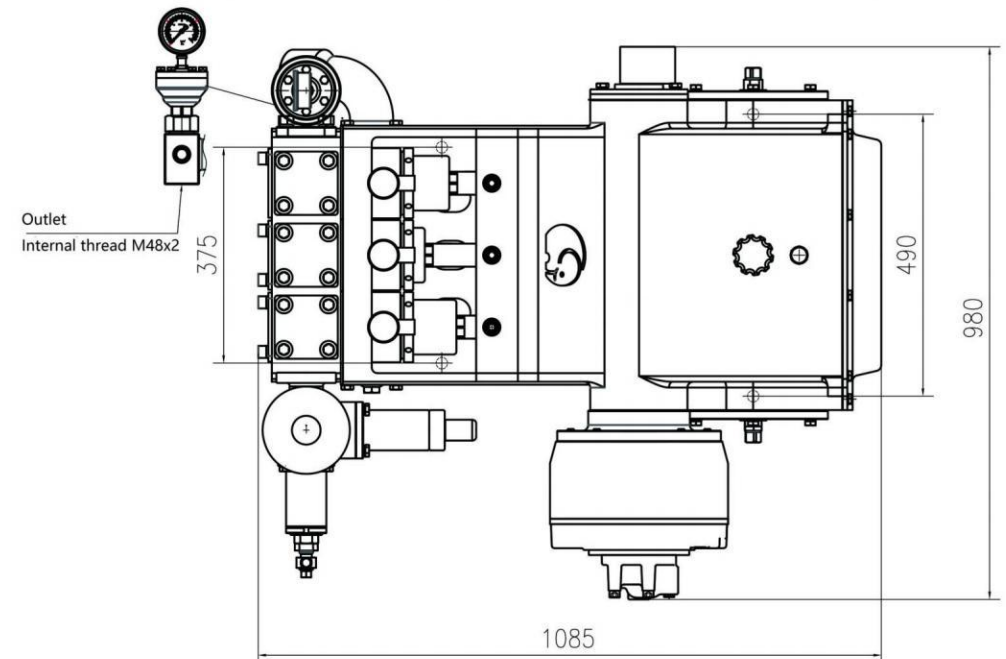
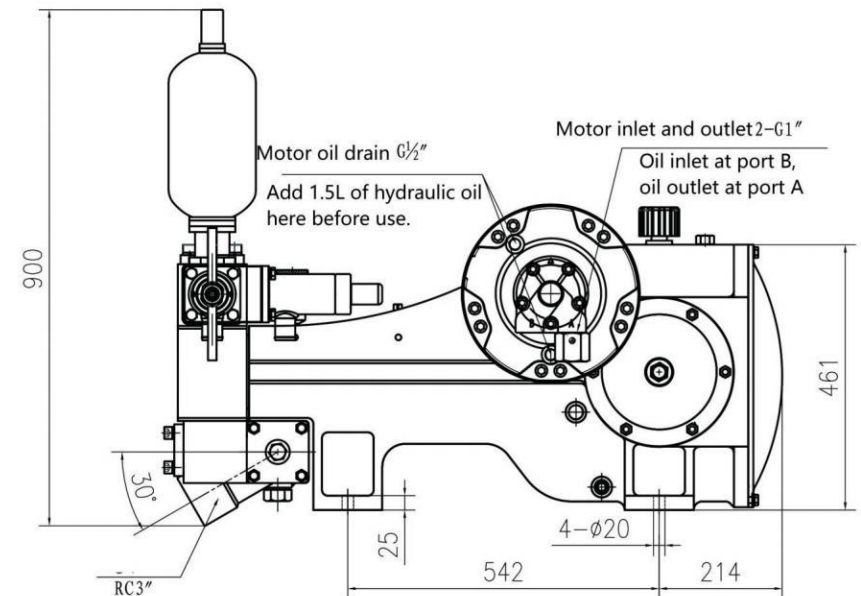


The DXB-330/10 reciprocating pump is a horizontal triplex reciprocating single-acting plunger pump driven by a hydraulic motor. It is mainly used for tunneling rig matching, but can also be used for other purposes such as grouting, mine drainage, and long-distance water delivery. This pump can adjust the flow rate remotely by adjusting the flow of the hydraulic motor, which changes the traditional manual shift operation mode. The pump adopts a new concept and a new structure. The one-way valve adopts Vaner (with high volumetric efficiency and low working noise), compact structure, beautiful appearance, easy installation, maintenance and longer life of vulnerable parts, and stable performance.

Horizontal triplex reciprocating single acting piston pump	
Stroke (mm)	110
Cylinder diameter (mm)	80
Flow (L/min)	330
Pressure (MPa)	10
Input speed (r/min)	682
Input power (KW)	65
Dimensions (mm)	1085×980×900
Weight (kg)	750
Hydraulic motor model	XM2-300
Hydraulic motor pressure (MPa)	21.5
Maximum motor flow (L/min)	682

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

DXB-330/10 Outline Dimension Drawing



DXBH-400 (Hydraulic Motor Driven)

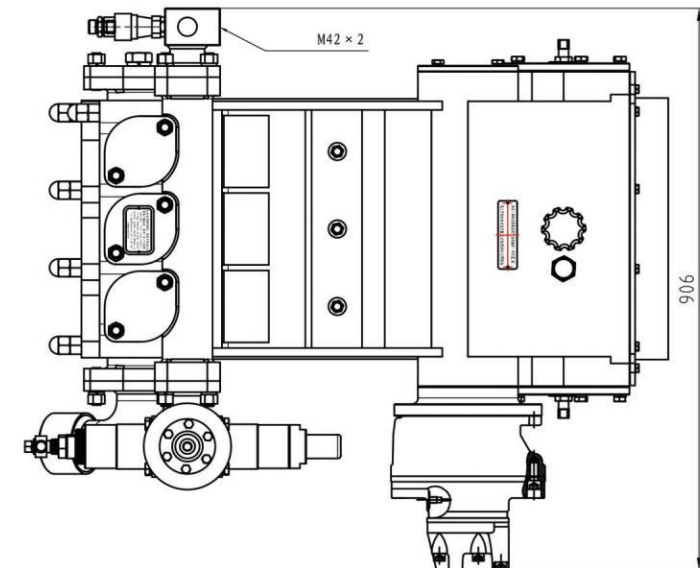
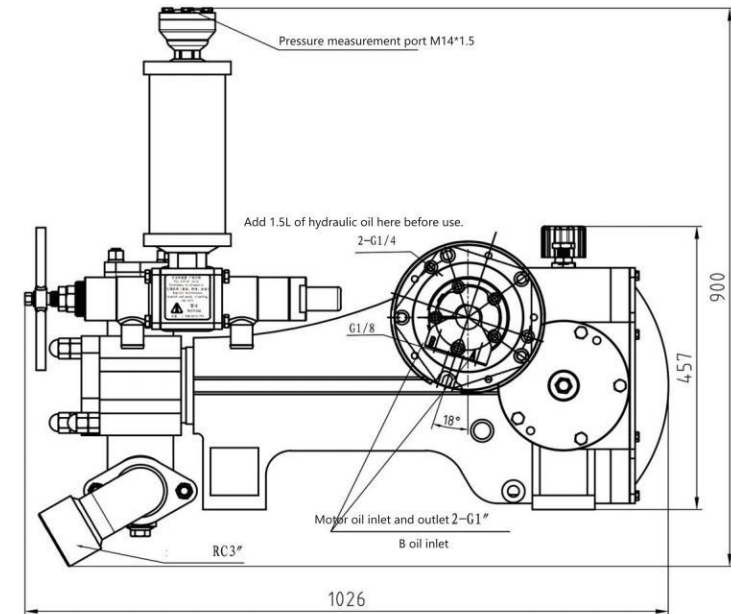


The DXBH-400 reciprocating pump is a horizontal, triplex reciprocating single-acting piston pump, driven by a dual-displacement hydraulic motor. It is mainly used in conjunction with non-excavation drilling machines of about 40 tons, but can also be used for other purposes such as injection grouting, mine drainage, and long-distance water transfer. The pump has two flow rates and two pressures, which can be achieved by remotely adjusting the hydraulic motor flow, thus changing the traditional manual gear-shifting operation mode. The pump adopts a new concept and structure, with a compact structure, beautiful appearance, easy installation and maintenance, long service life of vulnerable parts, and stable performance.

Horizontal triplex reciprocating single acting piston pump	
Stroke (mm)	80
Cylinder diameter (mm)	95
Flow (L/min)	400 ~ 200
Pressure (MPa)	4 ~ 8
Input speed (r/min)	980 ~ 490
Input power (KW)	32
Dimensions (mm)	1026 × 906 × 900
Weight (kg)	500
Hydraulic motor model	BD1-250~125
Hydraulic motor pressure (MPa)	21
Maximum motor flow (L/min)	125

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

DXBH-400 Outline Dimension Drawing



DXB-500 (Hydraulic Motor Driven)

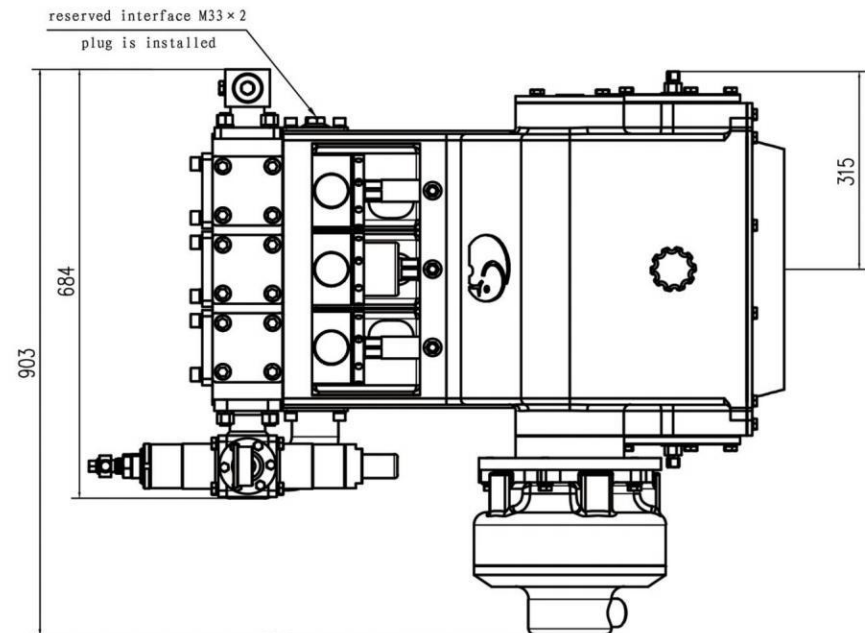
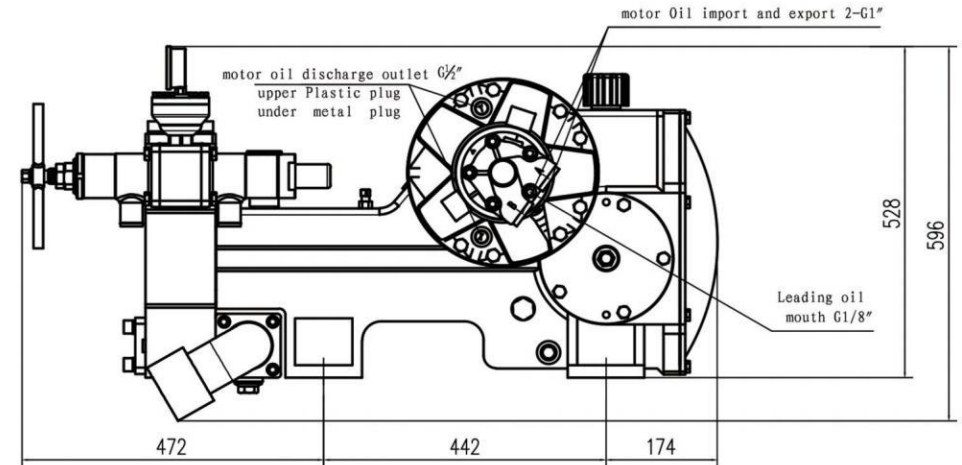


The DXB-500 reciprocating pump is a horizontal triplex reciprocating single-acting plunger pump driven by a dual-displacement hydraulic motor. It is mainly used in conjunction with non-excavation drilling machines of around 50 tons, but can also be used for other purposes such as grouting, mine drainage, and long-distance water delivery. The pump has two flow rates and two pressures, which can be adjusted remotely by adjusting the hydraulic motor flow rate, thereby achieving gear shifting operations, changing the traditional manual gear shifting operation mode. The pump adopts a new concept and new structure, and the one-way valve adopts a Vernal design (with high volumetric efficiency and low working noise). It has a compact structure and attractive appearance, and is easy to install and maintain. The service life of vulnerable parts is longer and performance is stable.

Horizontal triplex reciprocating single acting piston pump		
Stroke (mm)	80	
Cylinder diameter (mm)	85	
Flow (L/min)	500	250
Pressure (MPa)	3.5	7
Input speed (r/min)	765	382
Input power (KW)	37	
Dimensions (mm)	929 × 948 × 969	
Weight (kg)	600	
Hydraulic motor model	SAI2-350-170	
Hydraulic motor pressure (MPa)	20	
Maximum motor flow (L/min)	147	

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

DXB-500 Outline Dimension Drawing



DXB-500/10 (Hydraulic Motor Driven)

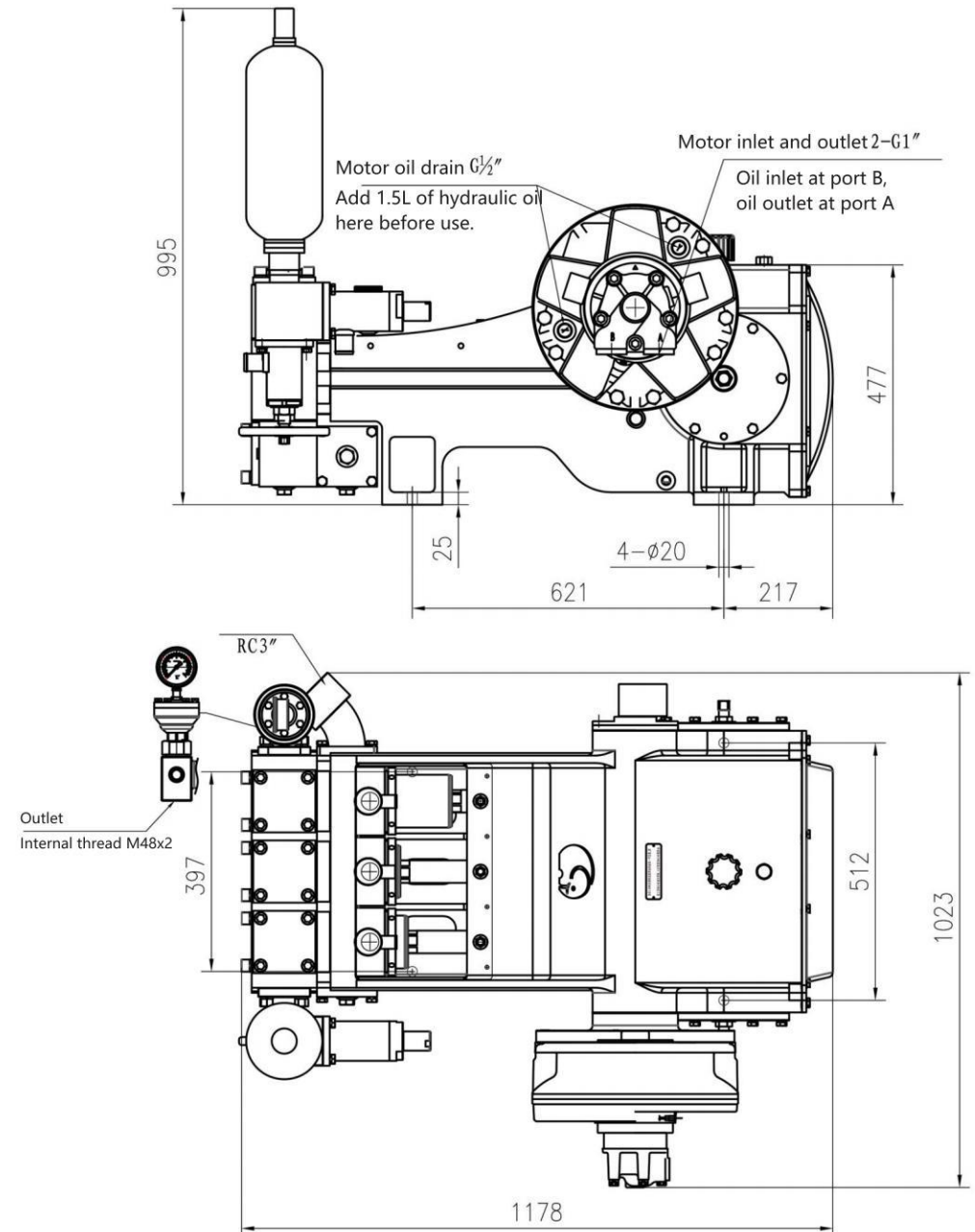


The DXB-500/10 reciprocating pump is a horizontal triplex reciprocating single-acting plunger pump. It is driven by a high-displacement hydraulic motor and mainly used for matching with tunnel drilling machines. It can also be used for other purposes such as grouting, mine drainage, and long-distance water delivery. This pump can adjust the flow rate by remote hydraulic motor flow control, changing the traditional manual shifting operating mode. The pump adopts new concepts and structures. The one-way valve uses Vanaar (with high volumetric efficiency and low working noise), with a compact structure, beautiful appearance, convenient installation and maintenance, long service life of vulnerable parts and stable performance.

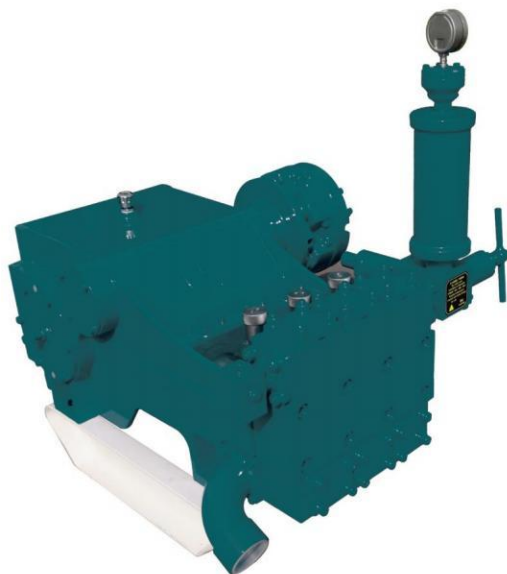
Horizontal triplex reciprocating single acting piston pump		
Stroke (mm)		135
Cylinder diameter (mm)		100
Flow (L/min)		500
Pressure (MPa)		10
Input speed (r/min)		700
Input power (KW)		100
Dimensions (mm)		1178×1023×995
Weight (kg)		850
Hydraulic motor model		SAI 4-400
Hydraulic motor pressure (MPa)		23
Maximum motor flow (L/min)		300

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

DXB-500/10 Outline Dimension Drawing



DXB-600 (Hydraulic Motor Driven)

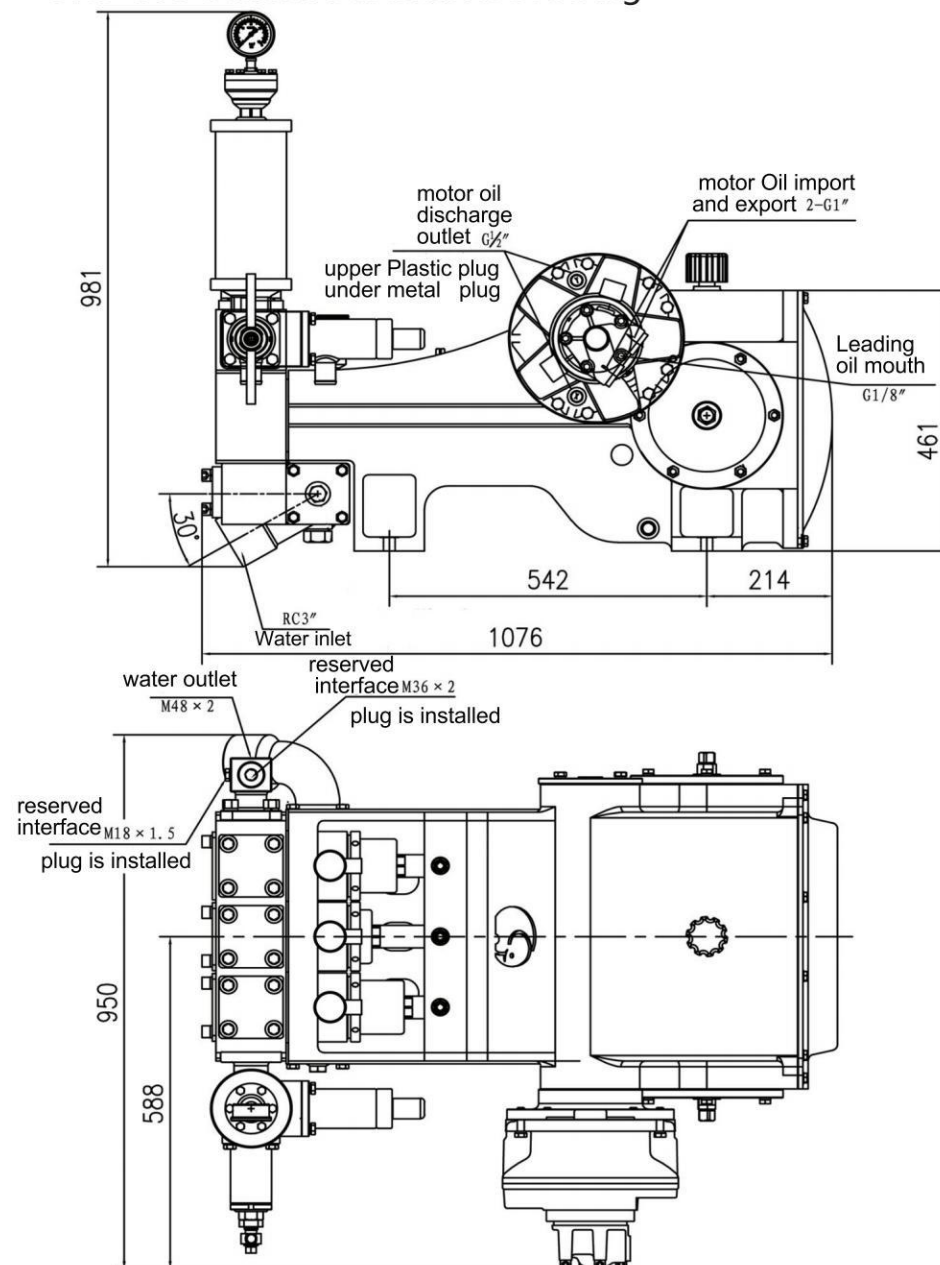


The DXB-600 reciprocating pump is a horizontal triplex reciprocating single-acting plunger pump, driven by a dual displacement hydraulic motor. It is mainly used in conjunction with non-excavation drilling rigs weighing around 70 tons, and can also be used for other purposes such as grouting, mine drainage, and long distance water delivery. The pump has two flow rates and two pressures, and shifting operations are achieved by remote adjustment of the hydraulic motor flow rate, changing the traditional manual shifting mode. The pump adopts a new concept and structure; the one-way valve adopts a Vannell design (with high volumetric efficiency and low working noise), with a compact structure and beautiful appearance, easy installation and maintenance, long service life for vulnerable parts, and stable performance.

Horizontal triplex reciprocating single acting piston pump		
Stroke (mm)	110	
Cylinder diameter (mm)	95	
Flow (L/min)	600	300
Pressure (MPa)	4	8
Input speed (r/min)	880	440
Input power (KW)	48	
Dimensions (mm)	1085 × 950 × 981	
Weight (kg)	710	
Hydraulic motor model	SA12-350-170	
Hydraulic motor pressure (MPa)	20	
Maximum motor flow (L/min)	170	

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

DXB-600 Outline Dimension Drawing





DXBH-600 (Hydraulic Motor Driven)



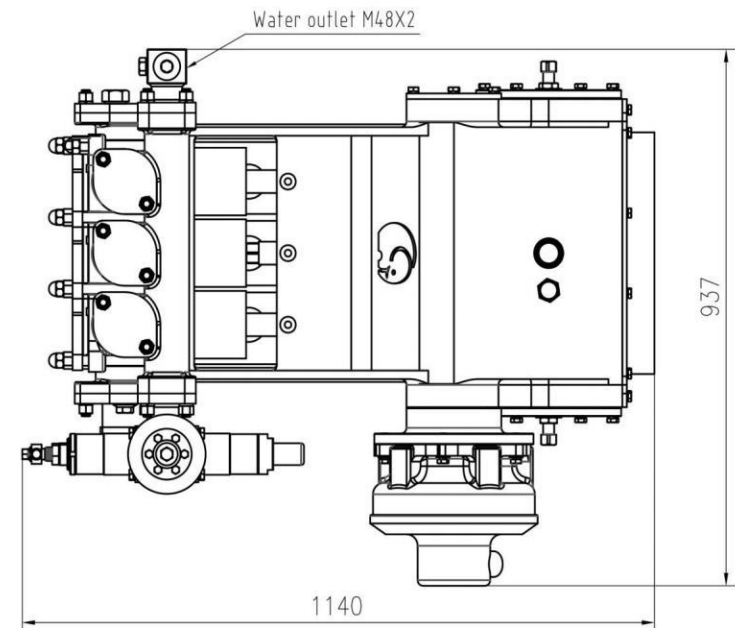
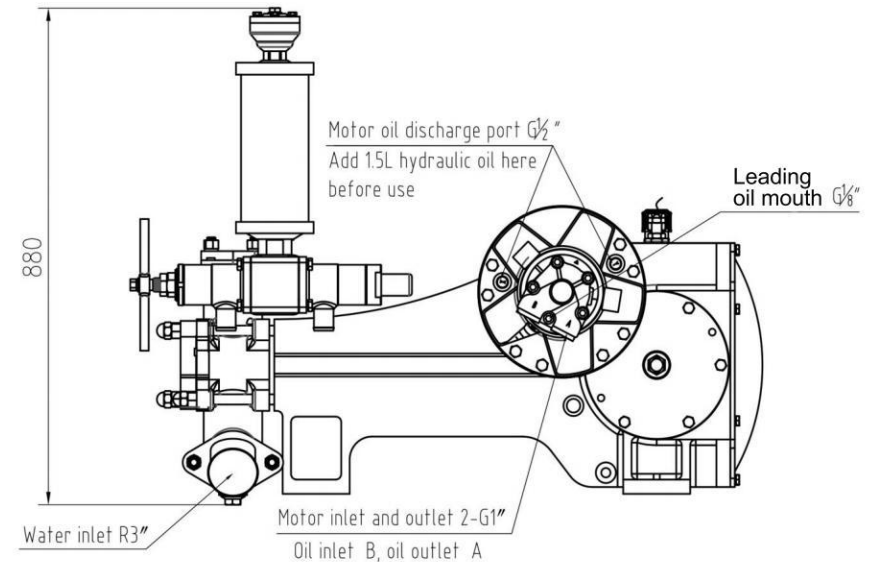
The DXBH-600 reciprocating pump is a horizontal, triplex, single-acting piston pump that uses a double-displacement hydraulic motor drive. It is mainly used in conjunction with non-excavation drilling rigs weighing around 50 tons, but can also be used for other purposes such as injection grouting, mine drainage, and long-distance water delivery. The pump has two flow rates and two pressures, and the shifting operation is achieved by remotely adjusting the hydraulic motor flow rate, changing the traditional manual shifting operation mode. This pump adopts new concepts and new structures; it has a compact structure, beautiful appearance, easy installation and maintenance, and longer life for vulnerable parts with stable performance.

Horizontal triplex reciprocating single acting piston pump		
Stroke (mm)	110	
Cylinder diameter (mm)	100	
Flow (L/min)	600	300
Pressure (MPa)	4	8
Input speed (r/min)	928	464
Input power (KW)	48	
Dimensions (mm)	1140 × 937 × 880	
Weight (kg)	635	
Hydraulic motor model	2-350-170	
Hydraulic motor pressure (MPa)	21	
Maximum motor flow (L/min)	180	

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.



DXBH-600 Outline Dimension Drawing



DXB-800 (Hydraulic Motor Driven)

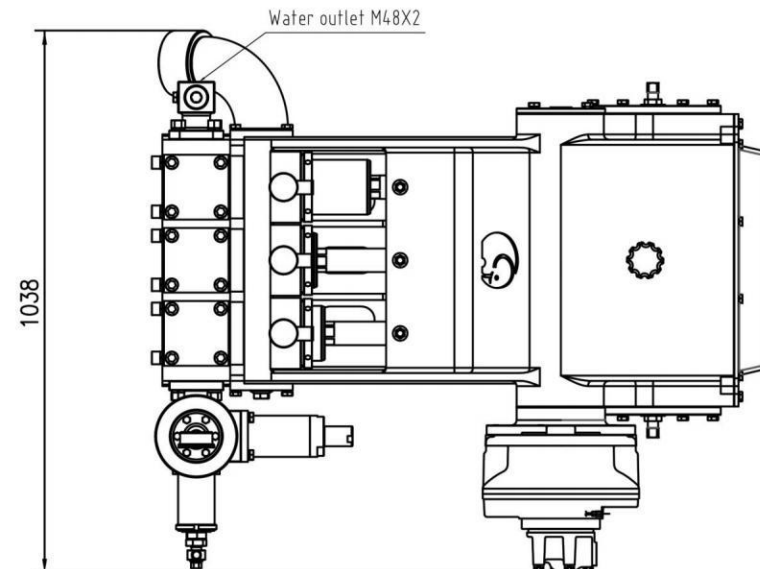
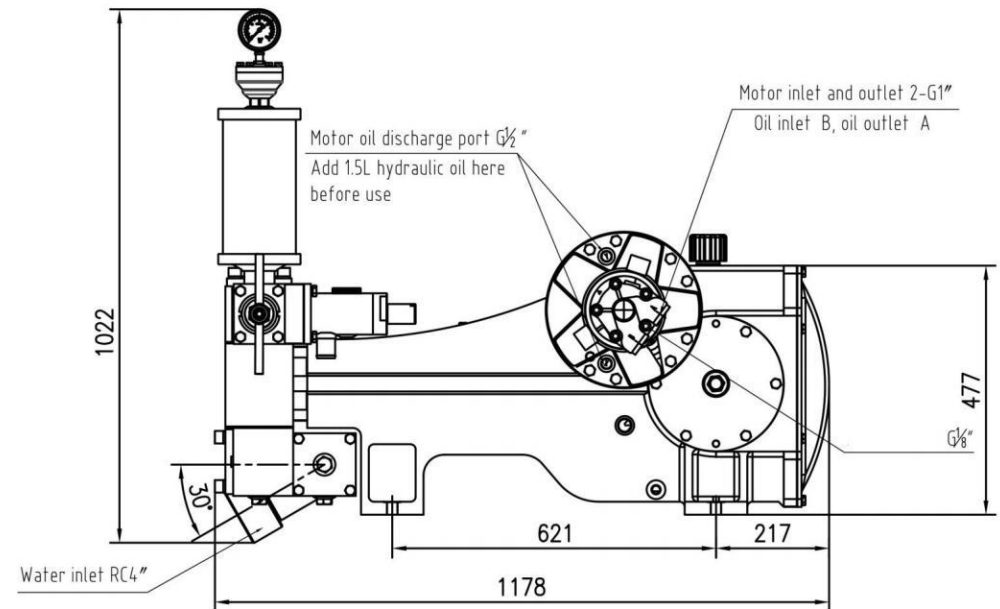


The DXB-800 reciprocating pump is a horizontal triplex reciprocating single-acting plunger pump, driven by a dual-displacement hydraulic motor. It is mainly used in conjunction with non-excavation drilling rigs of about 80 tons, as well as for other purposes such as grouting, mine drainage, and long-distance water delivery. The pump has two flow rates and two pressures, which can be achieved by remotely adjusting the hydraulic motor flow to achieve gear shifting operations, changing the traditional manual gear shifting operation mode. The pump adopts a new concept and new structure; the one-way valve adopts Vane (high volumetric efficiency, low working noise), compact structure, beautiful appearance, easy installation and maintenance, long service life of vulnerable parts, and stable performance.

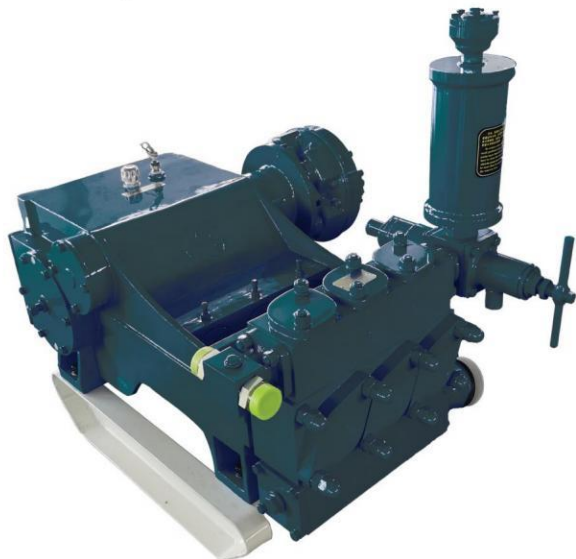
Horizontal triplex reciprocating single acting piston pump		
Stroke (mm)	135	
Cylinder diameter (mm)	105	
Flow (L/min)	800	400
Pressure (MPa)	4	8
Input speed (r/min)	1170	585
Input power (KW)	64	
Dimensions (mm)	1178 × 1038 × 1022	
Weight (kg)	820	
Hydraulic motor model	SAI2-350-170	
Hydraulic motor pressure (MPa)	20	
Maximum motor flow (L/min)	220	

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

DXB-800 Outline Dimension Drawin



DXBH-800 (Hydraulic Motor Driven)

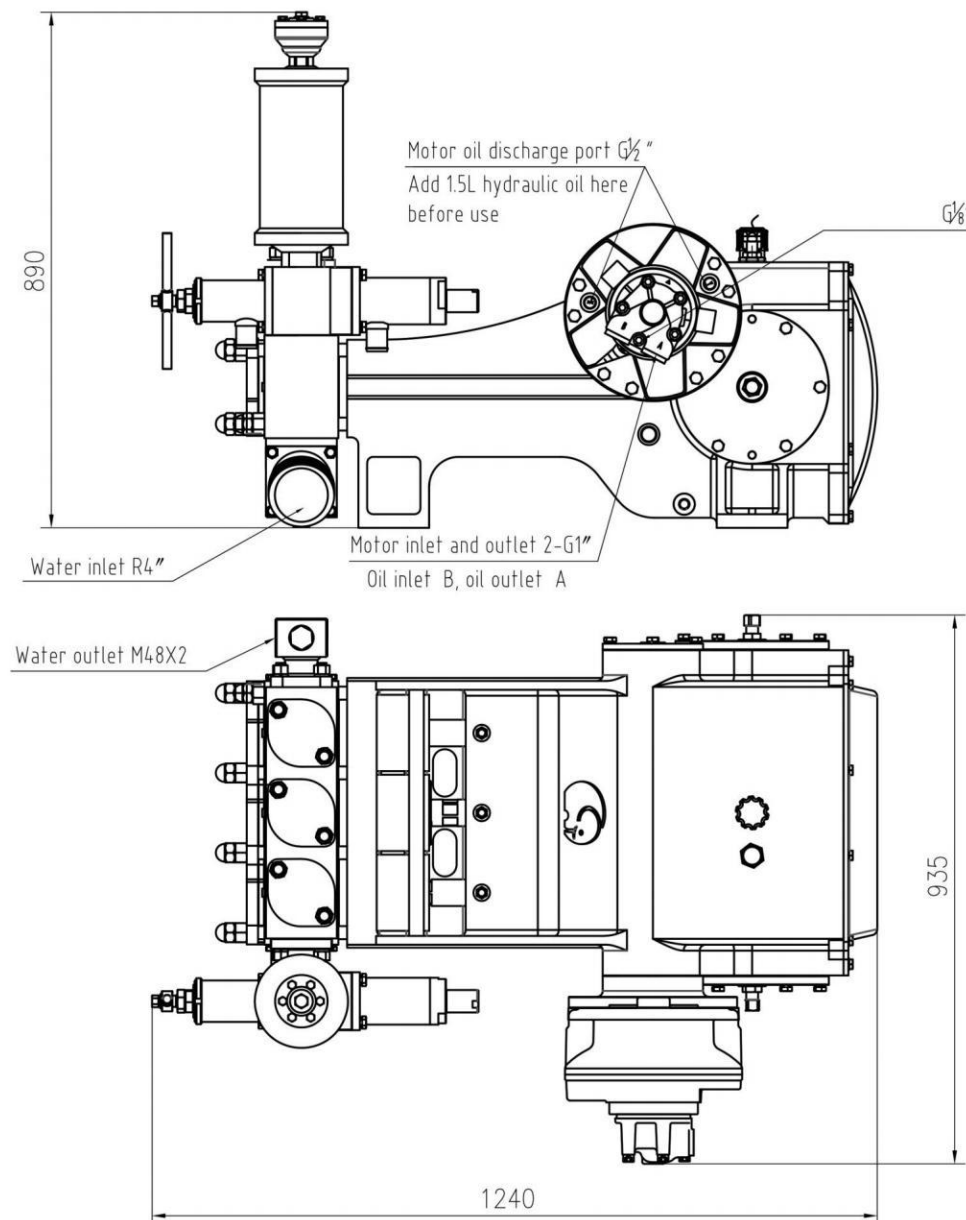


The DXBH-800 reciprocating pump is a horizontal triplex single-acting piston pump that uses a dual displacement hydraulic motor for driving. It is mainly used in conjunction with non-excavation drilling machines of around 65 tons, and can also be used for other applications such as grouting, mine drainage, and long-distance water delivery. The pump has two flow rates and two pressures, which can be changed by remote adjustment of the hydraulic motor flow, enabling shift operations and changing the traditional manual shift mode. The pump employs a new concept and structure, featuring compact design, attractive appearance, convenient installation and maintenance, long life for vulnerable parts, and stable performance.

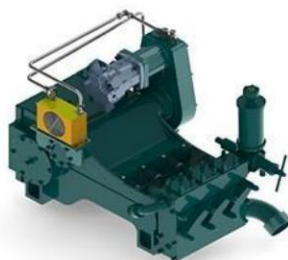
Horizontal triplex reciprocating single acting piston pump		
Stroke (mm)	110	
Cylinder diameter (mm)	110	
Flow (L/min)	800	400
Pressure (MPa)	4	8
Input speed (r/min)	1200	600
Input power (KW)	64	
Dimensions (mm)	1240 × 935 × 890	
Weight (kg)	730	
Hydraulic motor model	2-350-170	
Hydraulic motor pressure (MPa)	21	
Maximum motor flow (L/min)	230	

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

DXBH-800 Outline Dimension Drawing



DXBH-1000Y



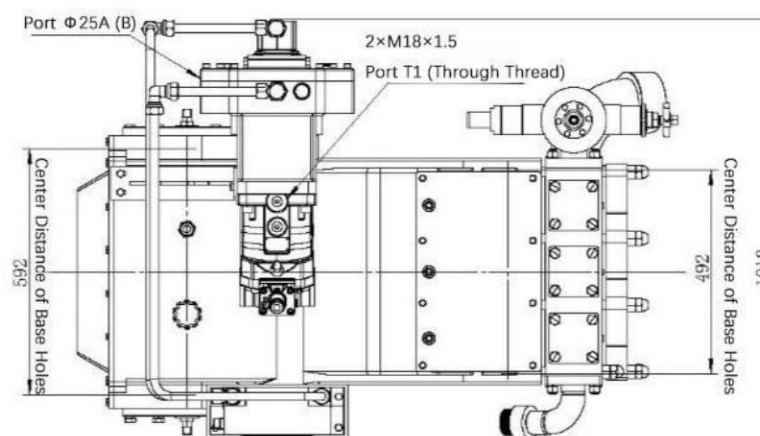
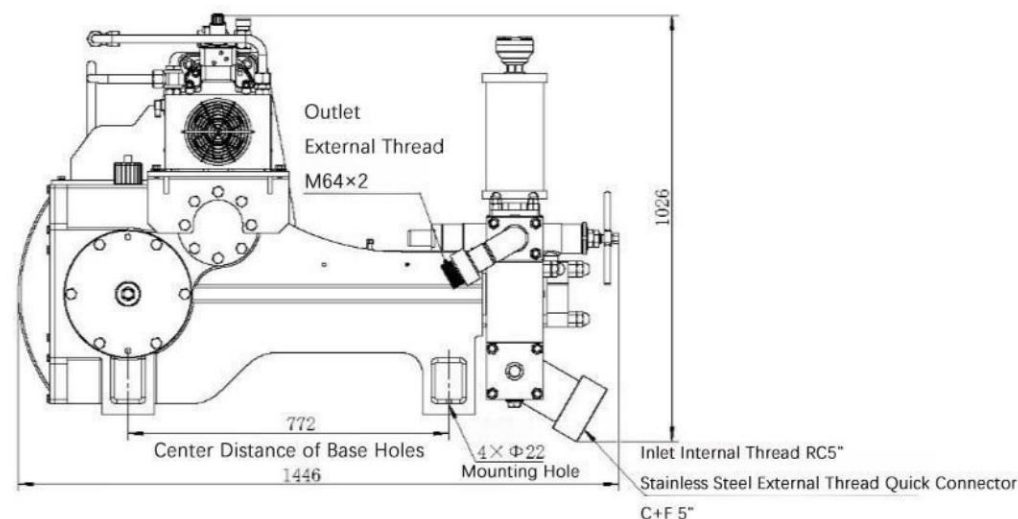
The DXBH-1000Y reciprocating pump is a horizontal triplex single-acting piston pump driven by a dual-displacement hydraulic motor. It is primarily designed for use with 100-ton trenchless drilling rigs but can also be employed in other applications such as grouting, mine drainage, and long-distance water delivery. This pump features two flow rates and two pressure levels, enabling gear shifting operations through remote adjustment of the hydraulic motor's flow rate, replacing traditional manual shifting methods. With innovative design and advanced structure, the pump incorporates high-efficiency poppet valves (offering high volumetric efficiency and low operational noise). It boasts a compact design, aesthetically pleasing appearance, easy installation and maintenance, extended service life for wear-prone components, and stable performance.

Horizontal triplex reciprocating single acting piston pump

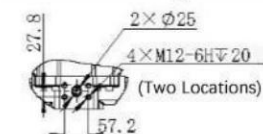
Stroke(mm)	140
Cylinder diameter(mm)	115
Pump speed(r/min)	232 116
Flow(L/min)	1000 500
Pressure(Mpa)	4 8
Motor speed (r/min)	4600 3000
Maximum suction height (m)	107 55
Input power(Kw)	80
Inlet connection	Rc 5" Quick Connect
Outlet connection	M64 x 2
Dimensions(mm)	1446 x 1012 x 1026
Weight(kg)	1281
Hydraulic motor model	L6VM107EZ2/63W-VZB020B-0550
Hydraulic motor rated pressure (MPa)	35
Maximum motor flow(L/min)	321

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

DXBH-1000Y Outline Dimension Drawing



Motor Port A & B Mounting Dimensions



DXBH-1200

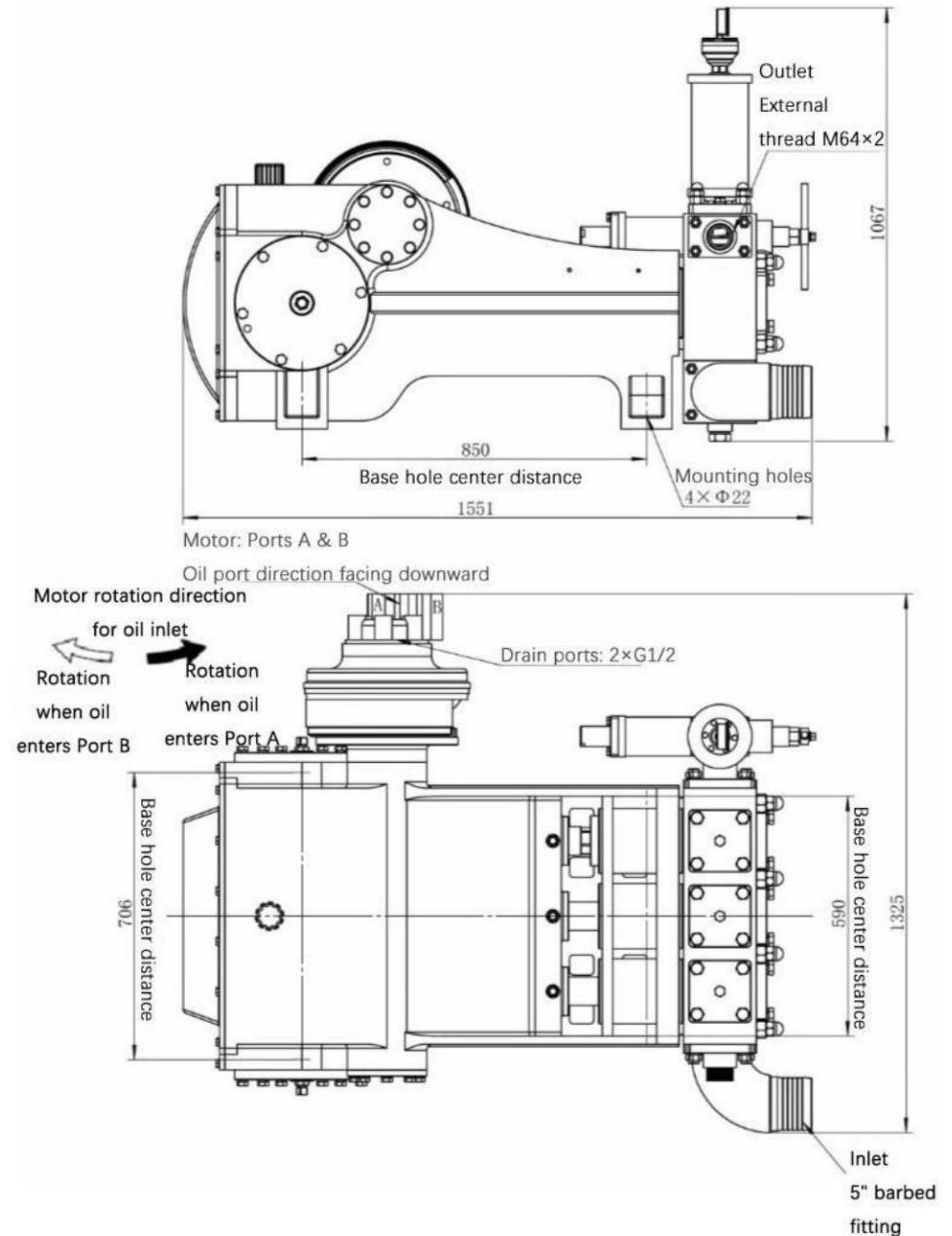


The DXBH-1200 reciprocating pump is a horizontal triplex single-acting piston pump driven by a dual-displacement hydraulic motor. It is primarily designed for use with 150-ton trenchless drilling rigs but can also be employed for other applications such as grouting, mine drainage, and long-distance water delivery. This pump features two flow rates and two pressure settings, enabling gear shifting operations through remote adjustment of the hydraulic motor's flow rate, replacing traditional manual shifting methods. With innovative design and advanced structure, the pump incorporates high-efficiency valves (delivering high volumetric efficiency and low operational noise). It boasts a compact design, aesthetically pleasing appearance, easy installation and maintenance, extended service life for wear-prone parts, and stable performance.

Horizontal triplex reciprocating single acting piston pump			
Stroke(mm)	150		
Cylinder diameter(mm)	125		
Flow(L/min)	1200	600	
Pressure(Mpa)	4	8	
Motor speed (r/min)	1075	540	
Motor displacement (ml/r)	246	493	
Input power(Kw)	100		
Maximum suction height (m)	2.5		
Inlet connection	Φ 130		
Outlet connection	M64 × 2		
Dimensions(mm)	1551 × 1325 × 1067		
Weight(kg)	1596		
Motor model	XHBD4-500/250IDD90		
Hydraulic motor model	1750/3500		
Hydraulic motor rated pressure (MPa)	25		
Maximum motor flow(L/min)	295		

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

DXBH-1200 Outline Dimension Drawing



DBW-100 (Motor power)

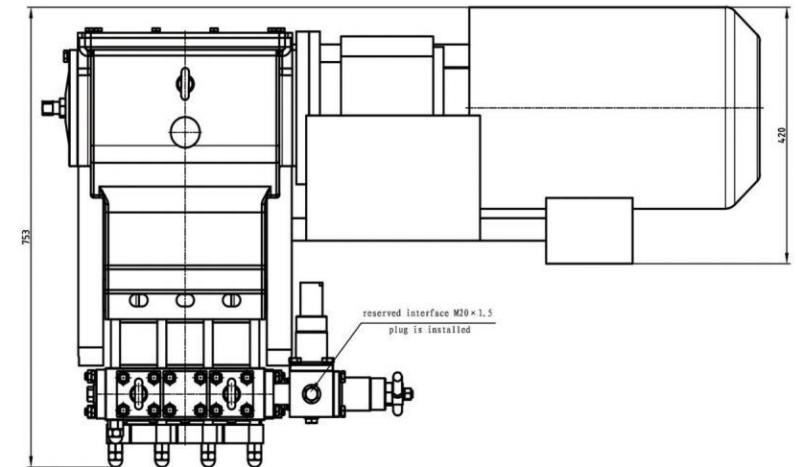
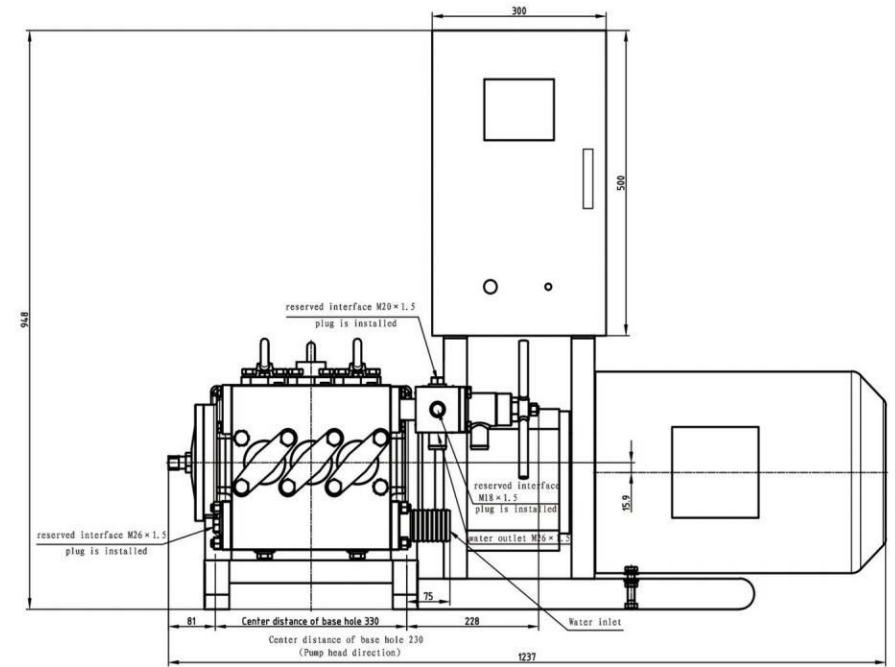


The DBW-100 reciprocating pump is a horizontal triplex reciprocating single-acting piston pump, driven by a variable frequency electric motor through a coupling reduction gear. It is mainly used for conveying flushing fluid to the drill hole during geological core drilling, and can also be used for other purposes such as grouting, sewage discharge, and long-distance water delivery. It can be adapted to different diameters of drilling and backhaul. The design incorporates new concepts, new structures, new materials, and new processes; it has a compact structure, light weight, small size, and beautiful appearance; it is easy to install and maintain; and has the characteristics of high output pressure, long service life of wearing parts, and stable performance.

Horizontal triplex reciprocating single acting piston pump		
Stroke (mm)		60
Cylinder diameter (mm)		55
Flow (L/min)		100
Pressure (MPa)		5
Input speed (r/min)		240
Input power (KW)		10
Dimensions (mm)		1237 × 753 × 948
Weight (kg)		350
Motor model		RF77YVP160M4
Motor power (KW)		11

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

DBW-100 Outline Dimension Drawing



DBW-100Q

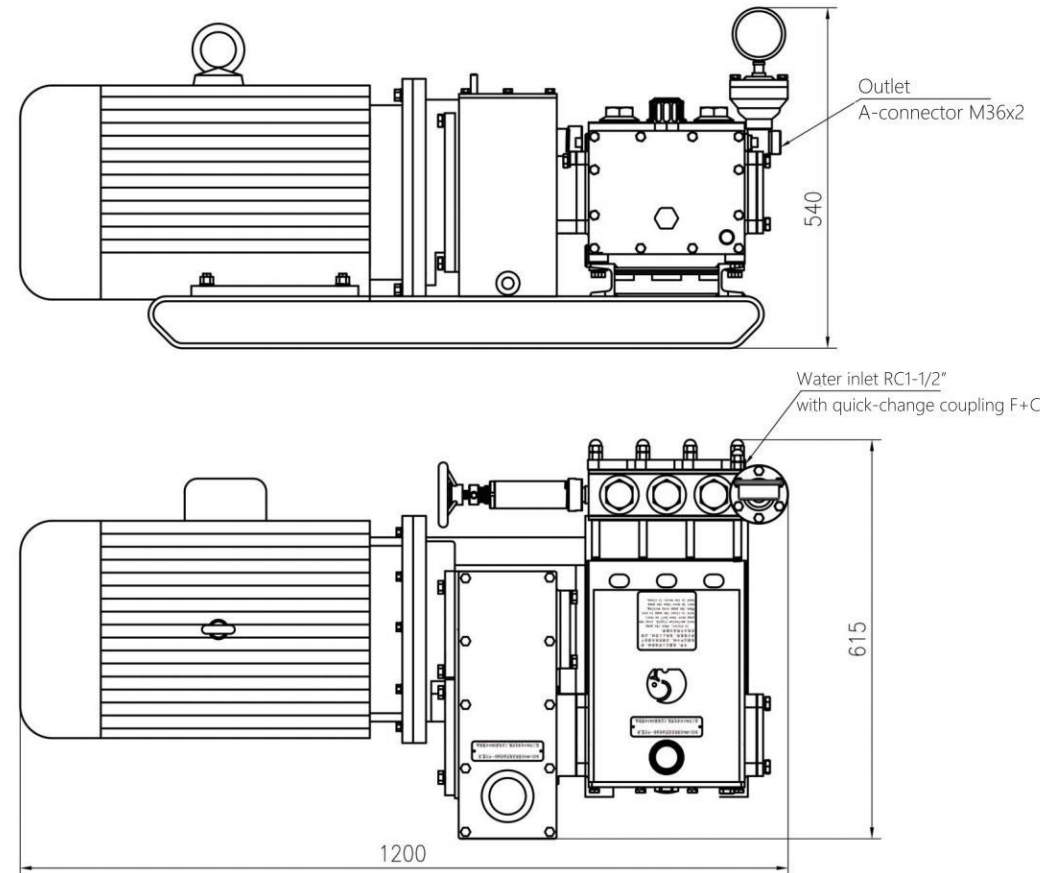


The DBW-100Q reciprocating pump is a horizontal triplex reciprocating single-acting piston pump. It is driven by a three-phase asynchronous motor through a gearbox. It is mainly used to deliver flushing fluid to the drilling hole in geological core drilling, and can also be used for other purposes such as grouting, sewage discharge, and long-distance water delivery. It can be used for drilling and backhaul of different diameters. In the design, new concepts, new structures, new materials, and new processes are adopted. The structure is compact, light in weight, small in size, and beautiful in appearance. It is easy to install and maintain with high output pressure, long service life of vulnerable parts, and stable performance.

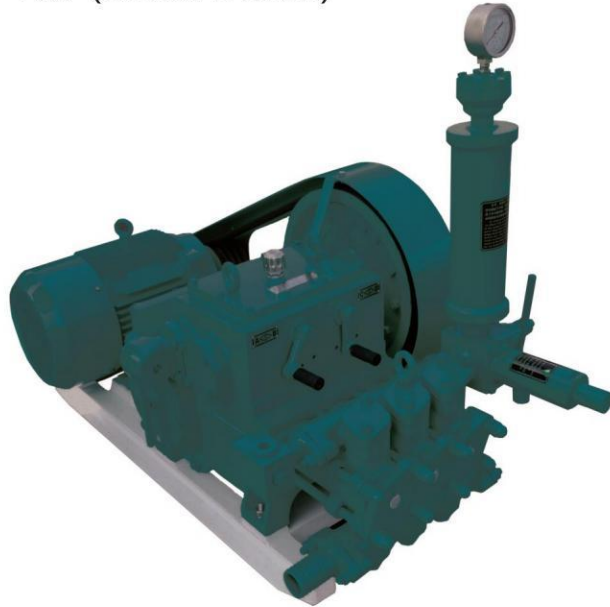
Horizontal triplex reciprocating single acting piston pump	
Stroke (mm)	48
Cylinder diameter (mm)	55
Flow (L/min)	100
Pressure (MPa)	5.5/7
Input speed (r/min)	295
Input power (KW)	14
Dimensions (mm)	1200×615×540
Weight (kg)	290/310
Motor model	Y160-4/B35
Motor power (KW)	11/15

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

DBW-100Q Outline Dimension Drawing



DBW-160 (Motor Driven)

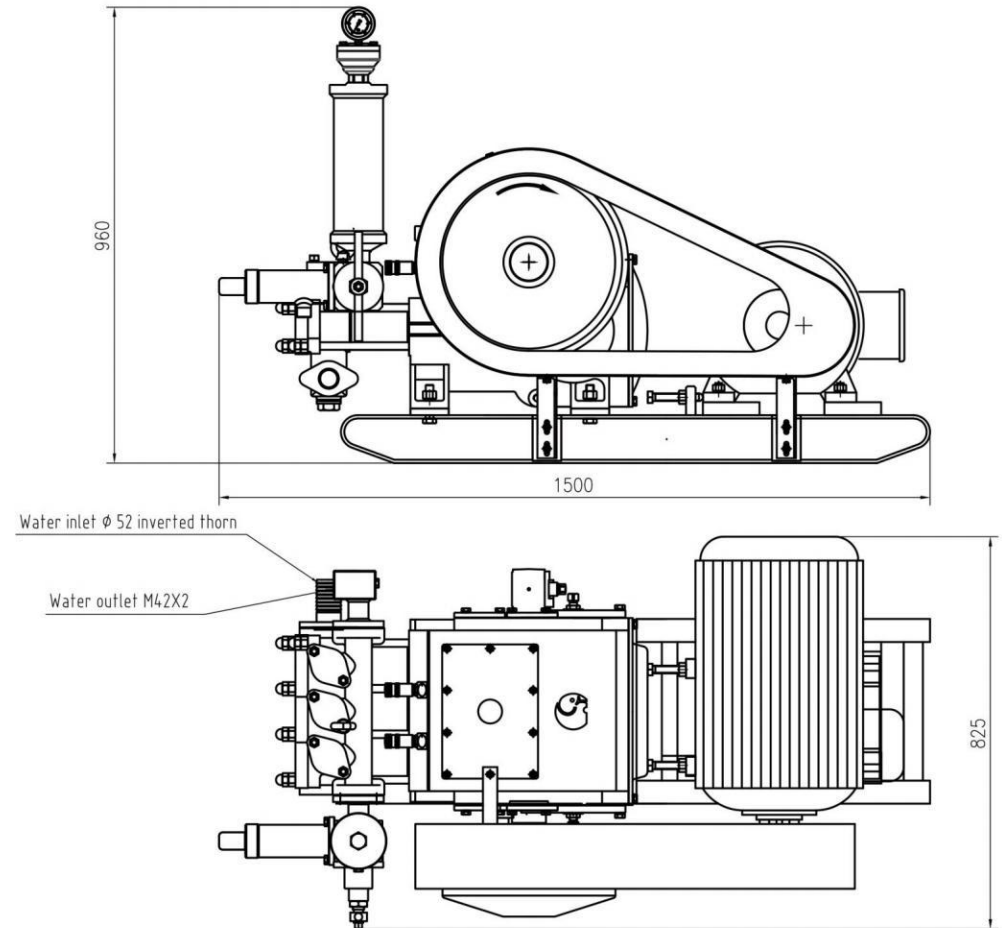


The DBW-160 reciprocating pump is a horizontal triplex reciprocating single-acting piston pump that is powered by electric motor. It is mainly used to convey flushing fluid into the drilling hole during geological core drilling, and can also be used for other applications such as grouting, sewage disposal, and long-distance water delivery. The pump has four flow rates and four pressures, with a wide range of flow rate and pressure variations to accommodate different borehole drilling and backflushing. In its design, new concepts, new structures, new materials, and new processes are adopted. The pump is compact in structure, light in weight, small in size, and aesthetically pleasing. It is easy to install and maintain and features high output pressure, long service life of wearing parts, and stable performance.

Horizontal triplex reciprocating single acting piston pump				
Stroke (mm)	70			
Cylinder diameter (mm)	70			
Flow (L/min)	160	107	67	44
Pressure (MPa)	2.7	4	6.5	10
Input speed (r/min)	540			
Input power (kW)	9			
Dimensions (mm)	1500×825×960			
Weight (kg)	508			
Motor model	YE3-160M-4			
Motor Power (kW)	11			

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

DBW-160 Outline Dimension Drawing



DXBH-200E

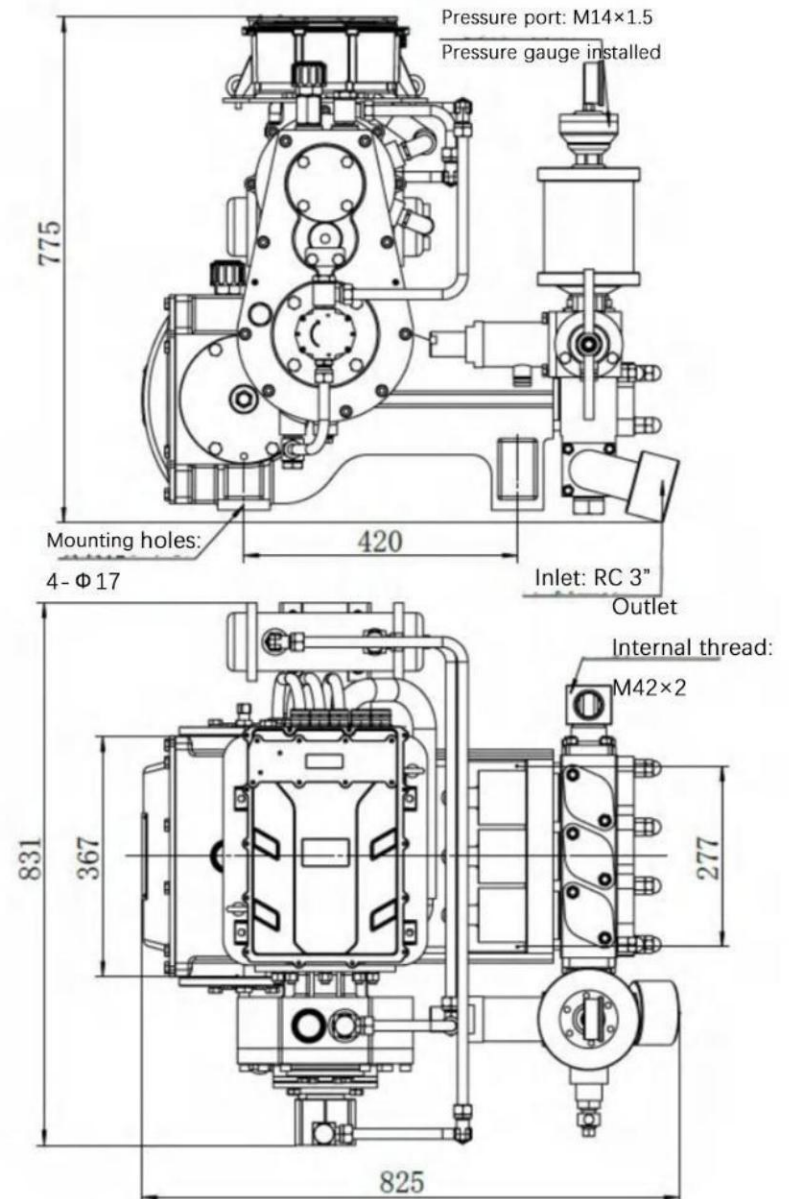


The DXBH-200E reciprocating pump is a horizontal triplex single-acting piston pump, driven by a permanent magnet synchronous motor for high efficiency, energy savings, and environmental friendliness. It is primarily designed for use with 20-ton trenchless drilling rigs but can also be employed in other applications such as grouting, mine drainage, and long-distance water delivery. The pump features a wide range of adjustable flow rates and pressures, with remote stepless speed control via a controller, enabling constant power output during variations in flow and pressure. This eliminates the traditional manual gear-shifting operation mode. Designed with innovative concepts and a modern structure, the pump is compact, aesthetically pleasing, and easy to install and maintain. It offers extended service life for wear-prone parts and ensures stable performance.

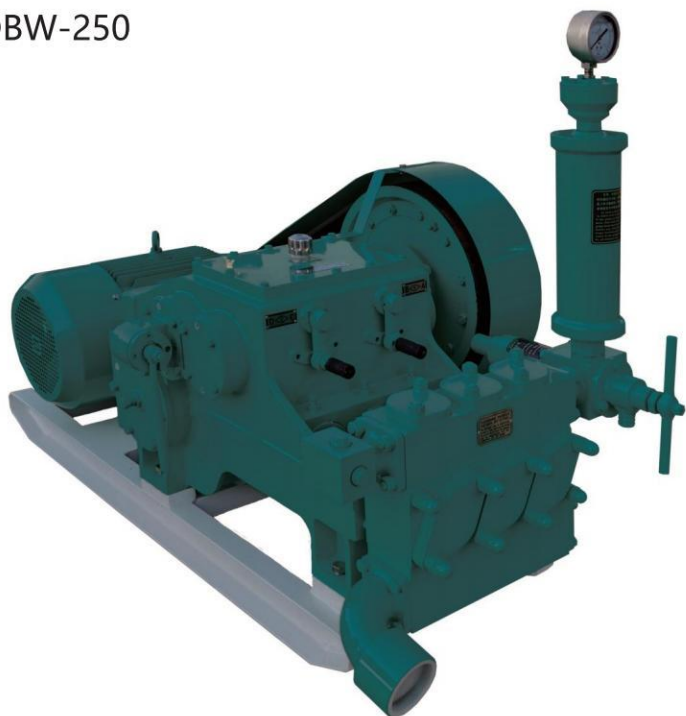
Horizontal triplex reciprocating single acting piston pump	
Stroke(mm)	60
Cylinder diameter(mm)	70
Pump speed(r/min)	145~290
Flow(L/min)	100~200
Pressure(Mpa)	8~4
Input power(Kw)	15.4
Dimensions(mm)	825 × 831 × 775
Weight(kg)	370
Motor Model	TYC24-1750-L120M10
Rated Current / Maximum Current (A)	77.8/140
Rated Power / Peak Power (kW)	24/40.8
Rated Speed / Maximum Speed (r/min)	1750/3500

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

DXBH-200E Outline Dimension Drawing



DBW-250

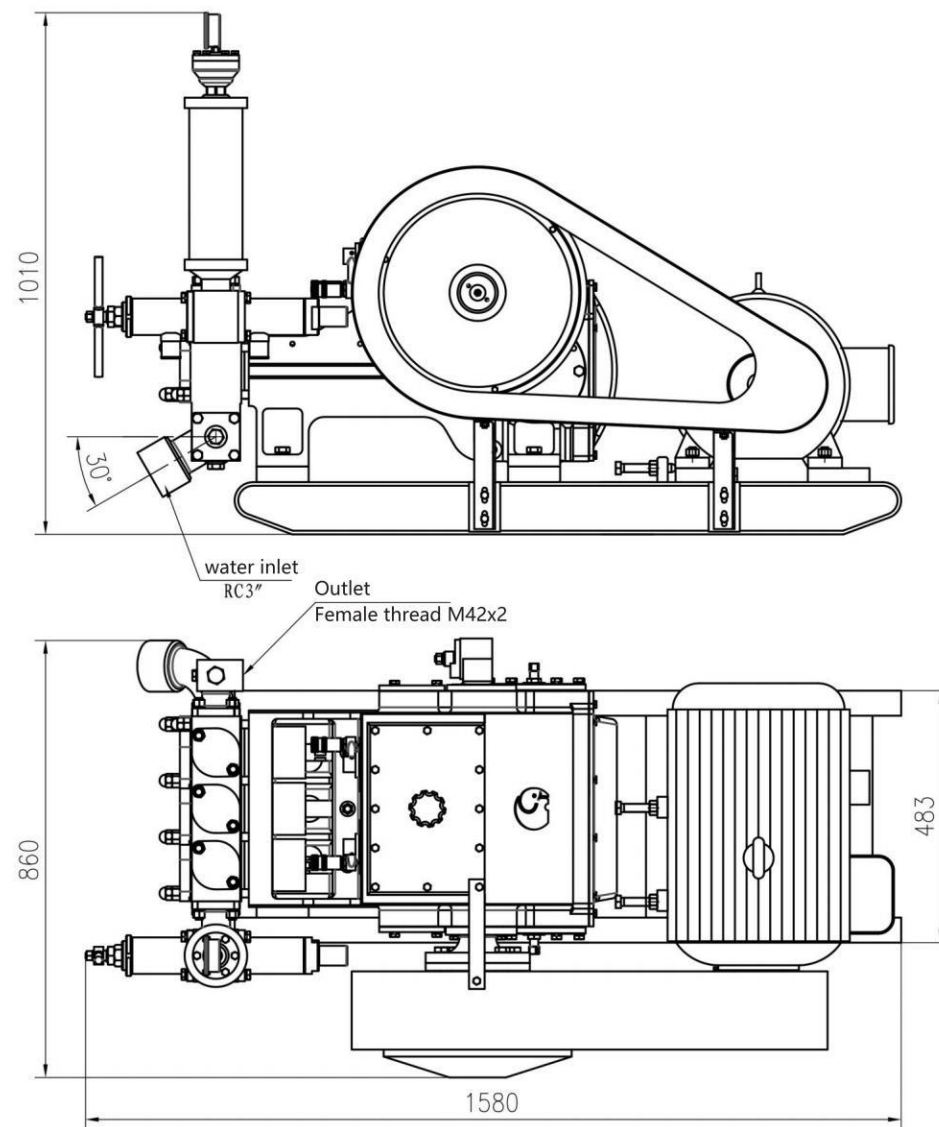


The DBW-250 reciprocating pump is a horizontal triplex reciprocating single-acting piston pump driven by an electric motor. It is mainly used to convey flushing fluid into the borehole during geological core drilling, but can also be used for grouting, sewage discharge, and long-distance water delivery. The pump has four flow rates and four pressures, with a wide range of flow and pressure changes, making it suitable for different borehole diameters. The design adopts new concepts, new structures, new materials, and new processes. It has a compact structure, light weight, small size, and elegant appearance. It is easy to install and maintain, has high output pressure, longer life of vulnerable parts, and stable performance.

Horizontal triplex reciprocating single acting piston pump				
Stroke (mm)	75			
Cylinder diameter (mm)	80			
Flow (L/min)	250	165	122	79
Pressure (MPa)	2.6	4	5.4	8
Input speed (r/min)	420			
Input power (kW)	13			
Dimensions (mm)	1580 × 860 × 1010			
Weight (kg)	670			
Motor model	YE3-160L-4			
Motor Power (kW)	15			

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

DBW-250 Outline Dimension Drawing





DBWF-250 (Motor Driven)



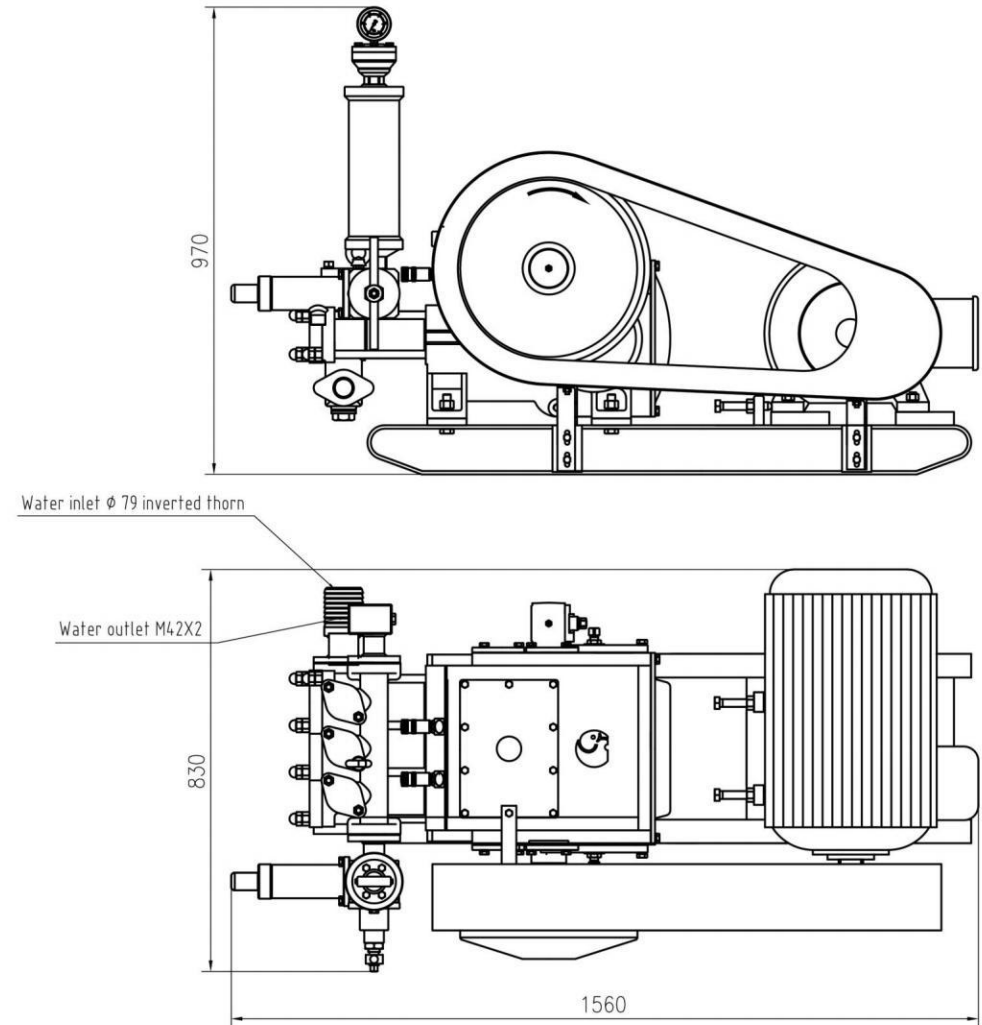
The DBWF-250 reciprocating pump is a horizontal triplex reciprocating single-acting piston pump driven by an electric motor. It is mainly used for delivering flushing fluid into the borehole during geological core drilling, and can also be used for grouting, sewage discharge, and long-distance water supply for other purposes. The pump has four flow rates and four pressures, with a wide range of variations in flow rate and pressure to accommodate different borehole diameters for drilling and backhaul. In its design, new concepts, structures, materials, and processes are applied to create a compact structure, light weight, small size, and attractive appearance, as well as convenience in installation and maintenance. It features high output pressure, longer lifespan of vulnerable parts, and stable performance.

Horizontal triplex reciprocating single acting piston pump				
Stroke (mm)	70			
Cylinder diameter (mm)	75			
Flow (L/min)	250	158	100	69
Pressure (MPa)	2.5	4	6	9
Input speed (r/min)	727			
Input power (kW)	13			
Dimensions (mm)	1560 × 830 × 970			
Weight (kg)	560			
Motor model	YE3-160L-4			
Motor Power (kW)	15			

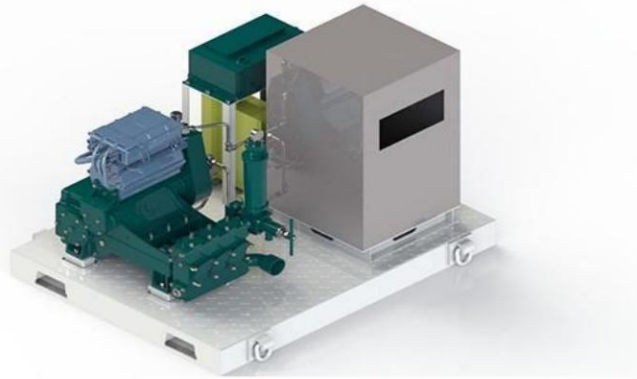
The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.



DBWF-250 Outline Dimension Drawing



DXBH-300EQ

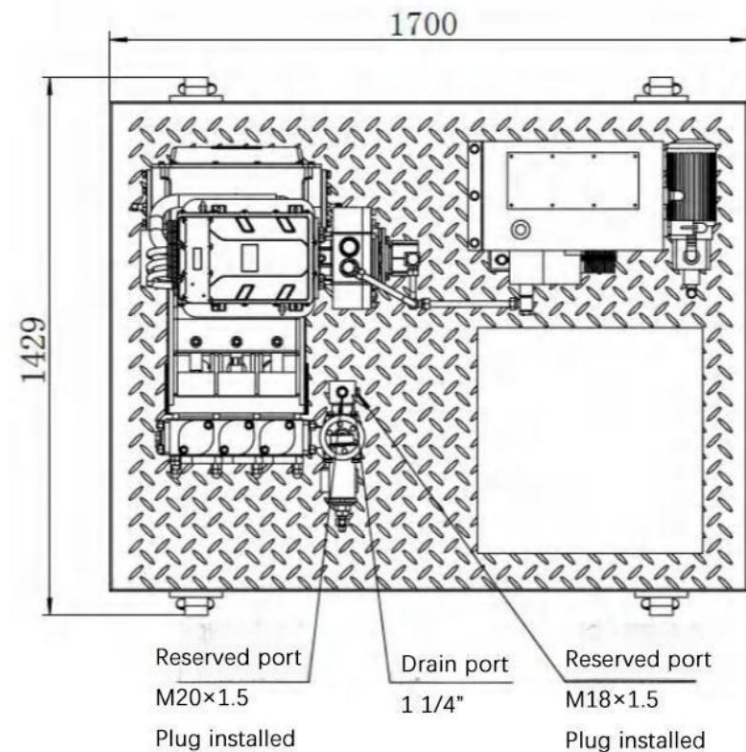
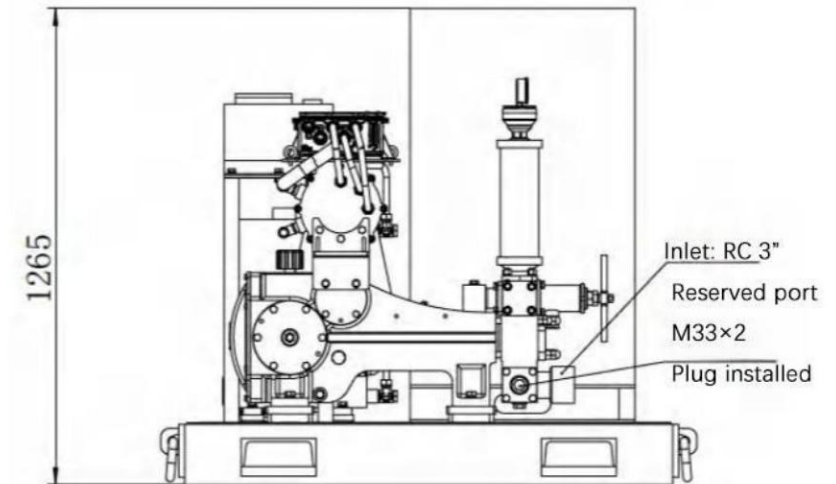


The DXBH-300EQ reciprocating pump is a horizontal triplex single-acting piston pump, driven by a permanent magnet synchronous motor for high efficiency, energy savings, and environmental friendliness. It is primarily designed for use with 30-ton trenchless drilling rigs but can also be employed in other applications such as grouting, mine drainage, and long-distance water delivery. This pump features a wide range of adjustable flow rates and pressures, enabling remote stepless speed regulation via a controller. The flow and pressure variations can maintain constant power output, replacing traditional manual gear-shifting operations. With innovative design concepts and a compact structure, the pump boasts an aesthetically pleasing appearance, easy installation and maintenance, extended service life for wear-prone parts, and stable performance.

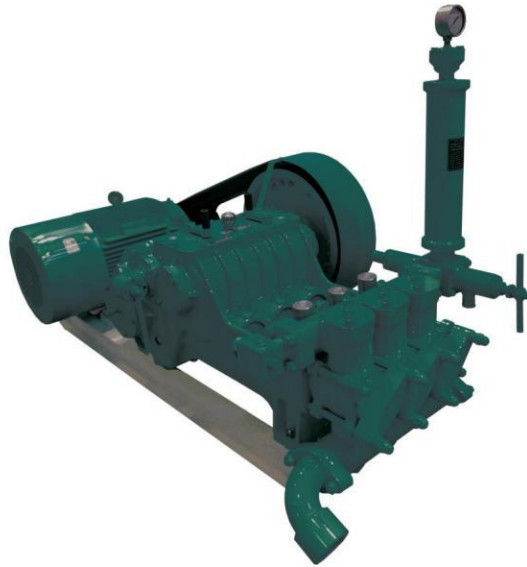
Horizontal triplex reciprocating single acting piston pump	
Stroke(mm)	75
Cylinder diameter(mm)	80
Pump speed(r/min)	133~266
Flow(L/min)	150~300
Pressure(Mpa)	8~4
Input power(Kw)	23
Dimensions(mm)	1700 × 1429 × 1265
Weight(kg)	1050
Motor Model	TYC24-1750-L120M10
Rated Current / Maximum Current (A)	77.8/140
Rated Power / Peak Power (kW)	24/40.8
Rated Speed / Maximum Speed (r/min)	1750/3500

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

DXBH-300EQ Outline Dimension Drawing



DBW-320 (Motor Driven)

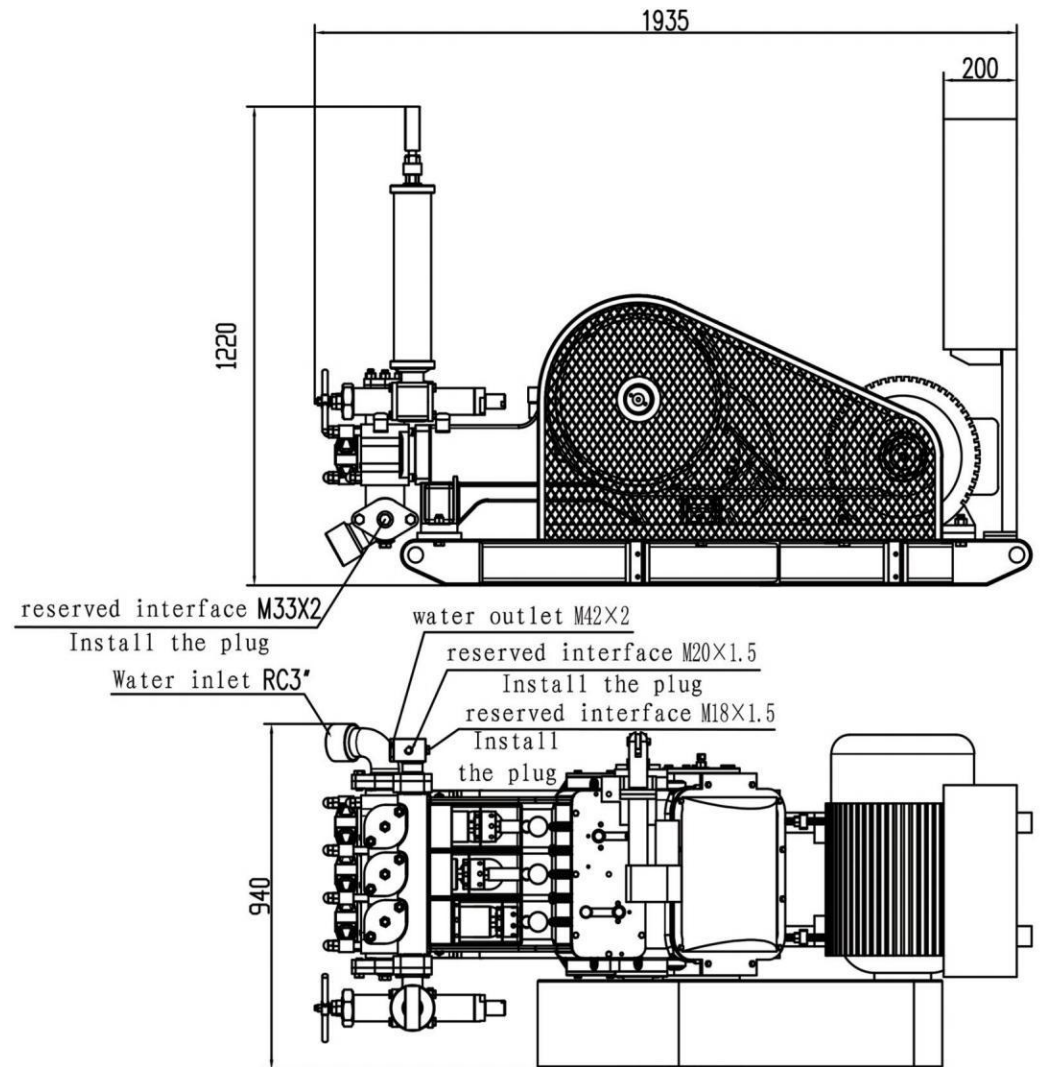


The DBW-320 reciprocating pump is a horizontal triplex reciprocating single-acting plunger pump driven by an electric motor. It is mainly used in geological core drilling to deliver washing fluid into the borehole and can also be used for other purposes such as grouting, drainage, and long-distance water delivery. This pump has four flow rates and four pressures, with a wide range of flow and pressure changes, making it suitable for different hole sizes for drilling and backwashing. It adopts new concepts, new structures, new materials, and new processes in its design, with a compact structure, light weight, small size, attractive appearance, easy installation and maintenance, and has the characteristics of high output pressure, long service life of vulnerable parts, and stable performance.

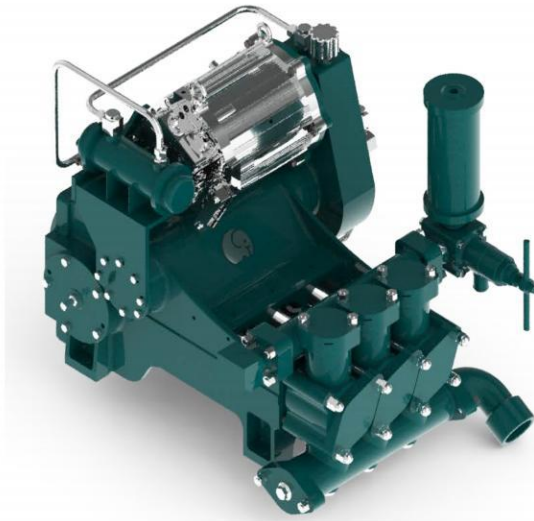
Horizontal triplex reciprocating single acting piston pump				
Stroke (mm)	110			
Cylinder diameter (mm)	80			
Flow (L/min)	320	230	165	118
Pressure (MPa)	4	5	6	8
Input speed (r/min)	535			
Input power (KW)	27			
Dimensions (mm)	1870 × 940 × 1240			
Weight (kg)	1000			
Motor model	Y200L-4-B3			
Motor Power (KW)	30			

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

DBW-320 Outline Dimension Drawing



DXBH-400E (Hydraulic Motor Driven)

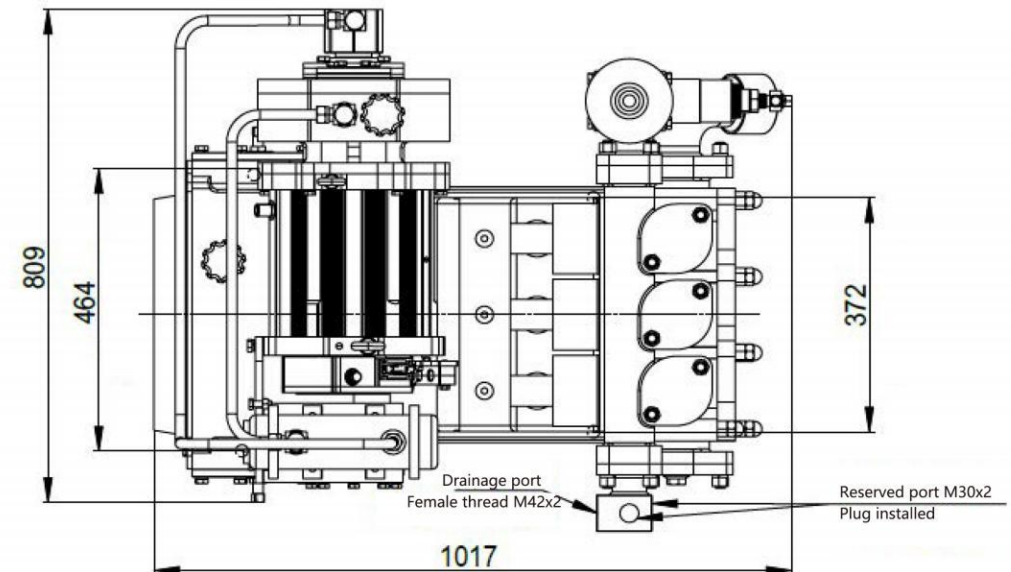
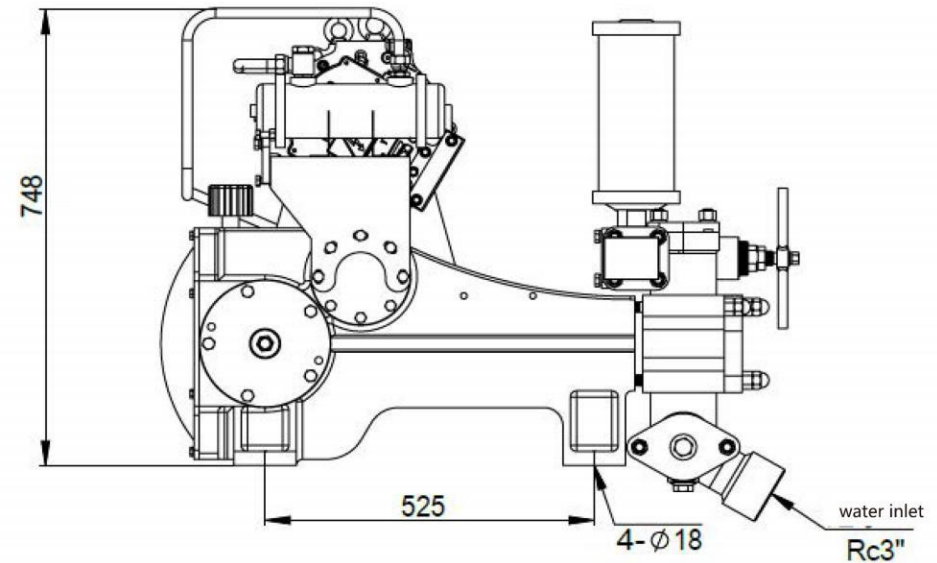


The DXBH-400E reciprocating pump is a horizontal triplex reciprocating single-acting plunger pump. It is driven by a permanent magnet synchronous motor, and is highly efficient, energy-saving, and environmentally friendly. It is mainly used in conjunction with non-excavation drilling machines of around 65 tons, and can also be used for other purposes such as grouting, mine drainage, and long-distance transportation. The pump has a wide range of flow and pressure adjustment, and can achieve constant power through remote stepless speed control by a controller. This changes the traditional manual shift operation mode and adopts new concepts and new structures. It has a compact design, easy installation and maintenance, and long service life of vulnerable parts, with stable performance.

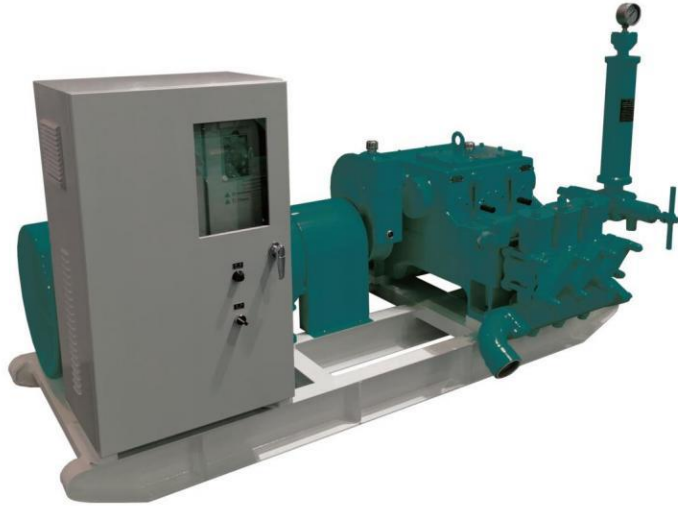
Horizontal triplex reciprocating single acting piston pump	
Stroke (mm)	80
Cylinder diameter (mm)	95
Flow (L/min)	400 ~ 200
Pressure (MPa)	4 ~ 8
Input speed (r/min)	118 ~ 235
Input power (KW)	32
Dimensions (mm)	1017×809×748
Weight (kg)	720
Hydraulic motor model	TZ210XSLG23A
Hydraulic motor pressure (MPa)	35/50
Maximum motor flow (L/min)	1700/8000

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

DXBH-400E Outline Dimension Drawing



DBW-600 (Motor Driven)

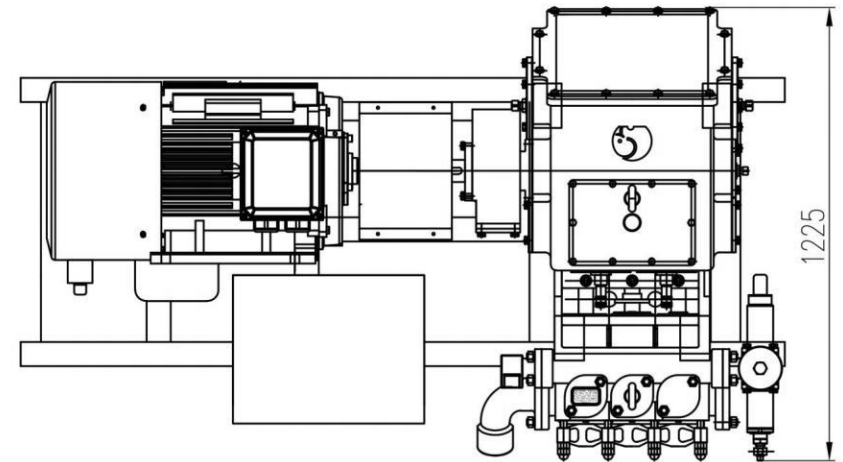
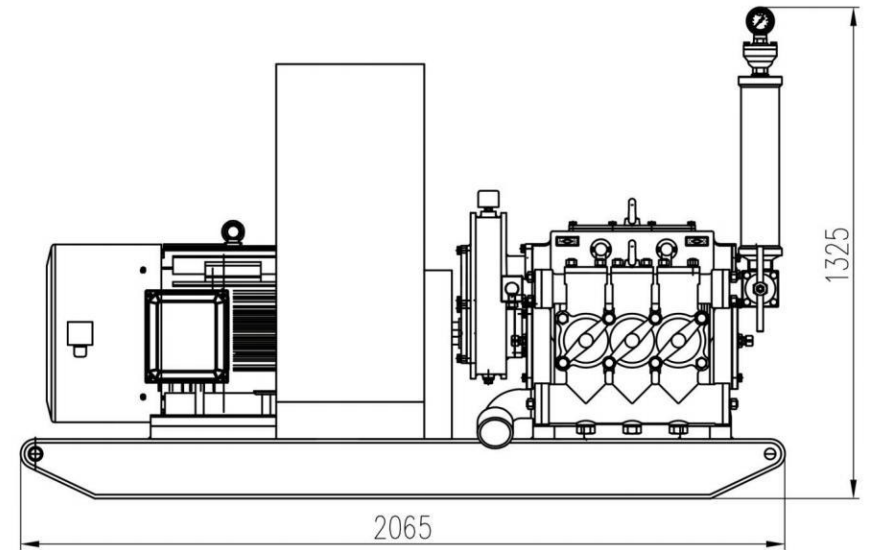


The DBW-600 reciprocating pump is a horizontal, triplex reciprocating single-acting piston pump that is driven by a variable frequency electric motor and transmitted through a coupling reducer. It is mainly used to transport flushing fluid into the borehole during geological core drilling, and can also be used for grouting, drainage, and long-distance water delivery. The pump has four flow rates and four pressures, and each gear can be infinitely adjusted through the frequency converter. The range of flow rate and pressure changes is large, which can be suitable for drilling and backhaul operations with different diameters. The design adopts new concepts, new structures, new materials, and new processes; the structure is compact, light in weight, small in size, and beautiful in appearance; it is easy to install and maintain; and it has the characteristics of high output pressure, long service life of vulnerable parts, and stable performance.

Horizontal triplex reciprocating single acting piston pump				
Stroke (mm)	110			
Cylinder diameter (mm)	100			
Flow (L/min)	600	415	280	195
Pressure (MPa)	3.5	5	7.5	10
Input speed (r/min)	550			
Input power (KW)	42			
Dimensions (mm)	2065 × 1225 × 1325			
Weight (kg)	1280			
Motor model	YVF2 225M-4			
Motor Power (KW)	45			

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

DBW-600 Outline Dimension Drawing



DXBH-600E

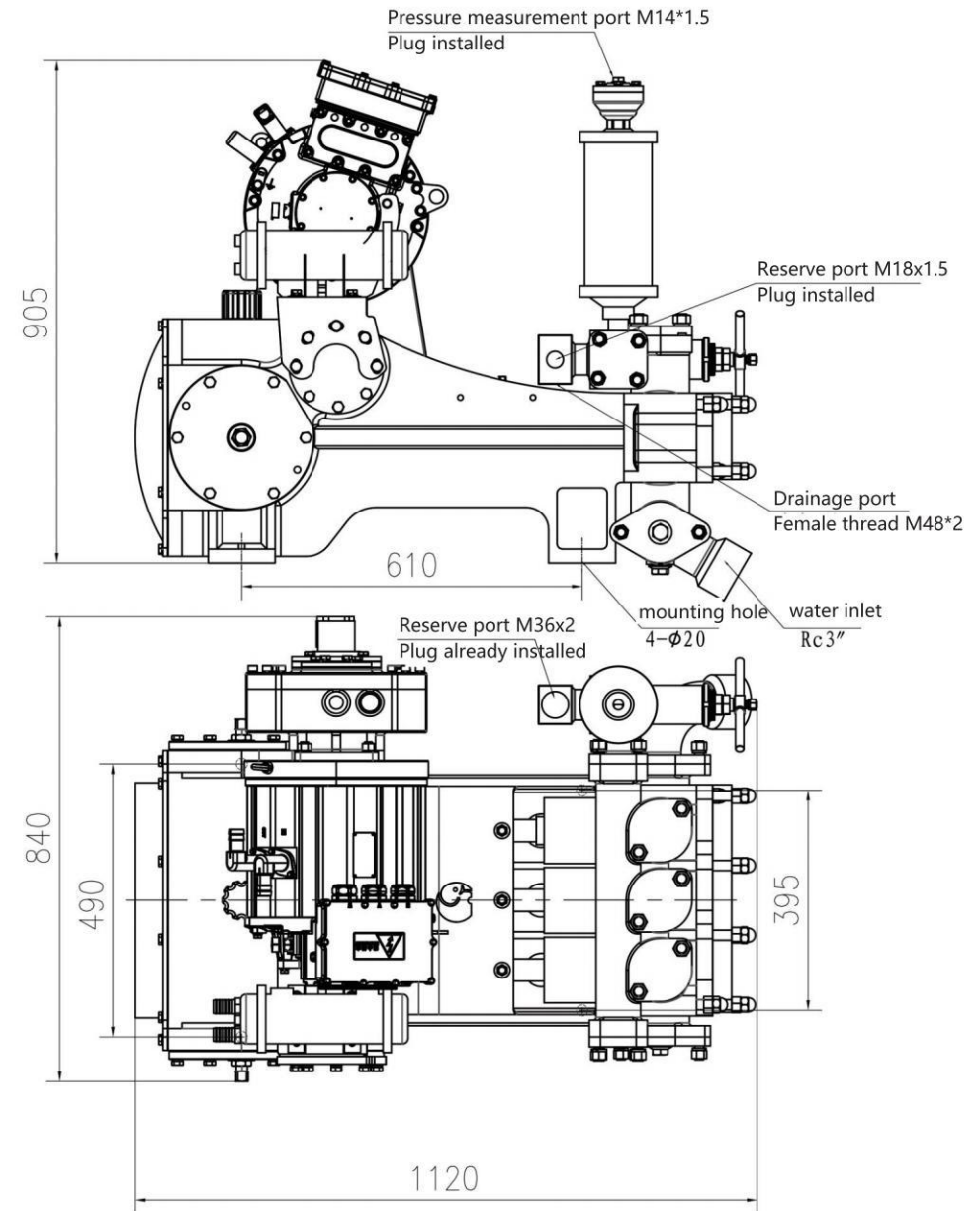


The DXBH-600E reciprocating pump is a horizontal triplex reciprocating single-acting piston pump that is driven by a permanent magnet synchronous motor for high efficiency, energy saving, and environmental protection. It is mainly used for matching with non-excavation drilling machines of around 65 tons, but can also be used for other purposes such as grouting, mine drainage, and long-distance water delivery. This pump has a large range of flow and pressure adjustment, and can achieve constant power by remote infinitely variable speed control through the controller, changing the traditional manual gear shifting operation mode. The pump adopts a new concept and a new structure, with a compact structure, beautiful appearance, convenient installation and maintenance, longer service life of vulnerable parts, and stable performance.

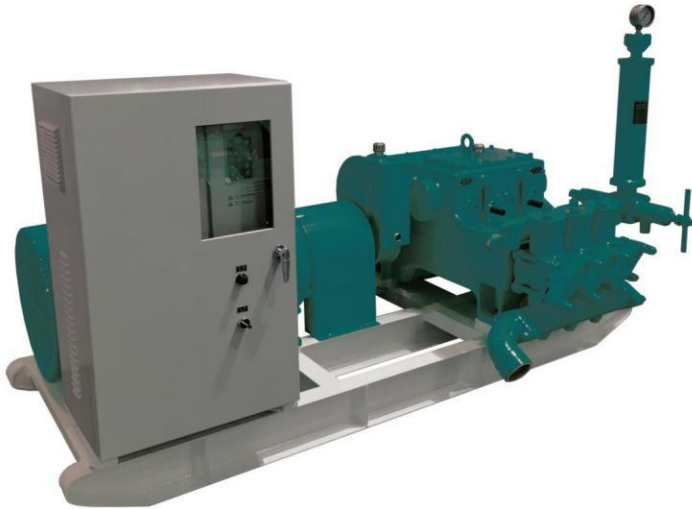
Horizontal triplex reciprocating single acting piston pump	
Stroke (mm)	110
Cylinder diameter (mm)	100
Flow (L/min)	600 ~ 300
Pressure (MPa)	3.5 ~ 7
Input speed (r/min)	3500 ~ 1750
Input power (KW)	42
Dimensions (mm)	1120×1007×1017
Weight (kg)	850
Hydraulic motor model	YQW4-160Z
Hydraulic motor pressure (MPa)	55
Maximum motor flow (L/min)	3500

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

DXBH-600E Outline Dimension Drawing



DBW-800 (Motor Driven)

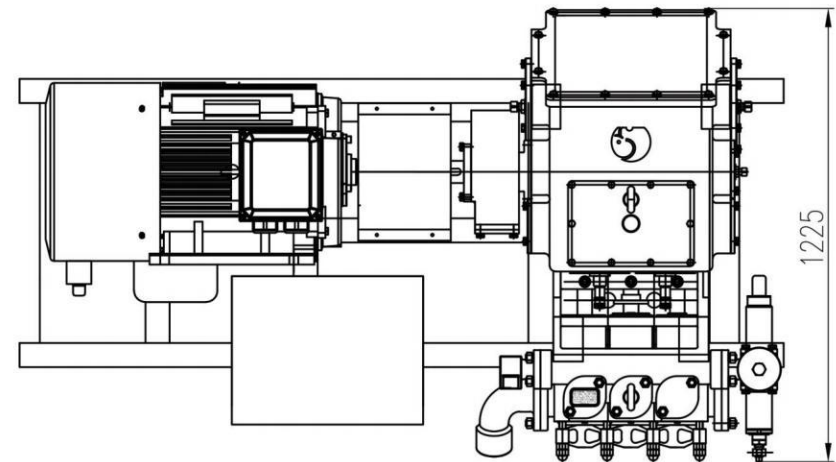
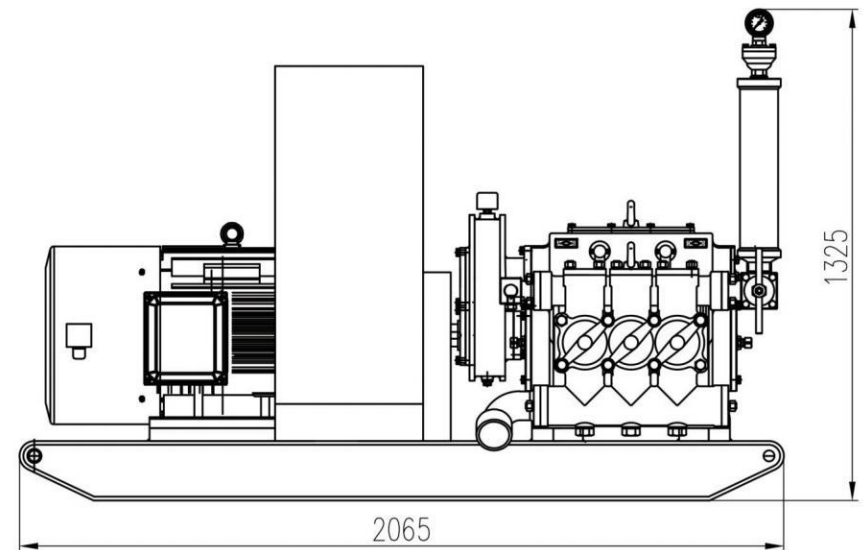


The DBW-800 reciprocating pump is a horizontal triplex reciprocating single-acting piston pump that is driven by a variable frequency electric motor and transmitted through a coupling reducer. It is mainly used to deliver flushing fluid into the borehole during geological core drilling, and can also be used for other purposes such as grouting, sewage discharge, and long-distance water delivery. The pump has four flow rates and four pressures, and all gears can be infinitely adjusted by the frequency converter. The flow and pressure range is large and can be applied to different hole sizes for drilling and backpulling. The design adopts new concepts, new structures, new materials, and new processes; the structure is compact, light in weight, small in size, and beautiful in appearance; installation and maintenance are convenient; it has the characteristics of high output pressure, long service life of vulnerable parts, and stable performance.

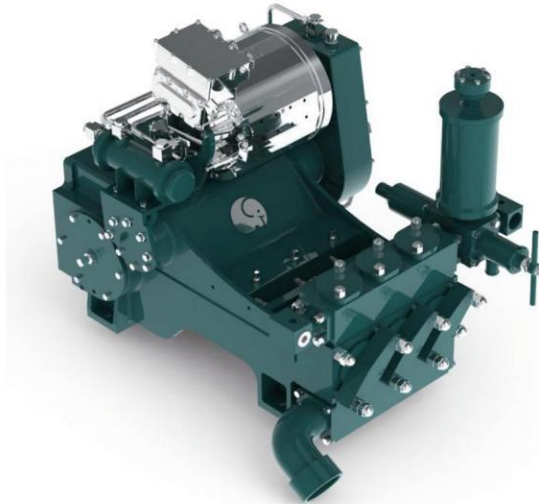
Horizontal triplex reciprocating single acting piston pump				
Stroke (mm)	135			
Cylinder diameter (mm)	110			
Flow (L/min)	800	550	370	260
Pressure (MPa)	3.5	5	7.5	10
Input speed (r/min)	500			
Input power (KW)	55			
Dimensions (mm)	2065 × 1360 × 1340			
Weight (kg)	1880			
Motor model	YVF2 250M-4			
Motor Power (KW)	55			

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

DBW-800 Outline Dimension Drawing



DXBH-800E

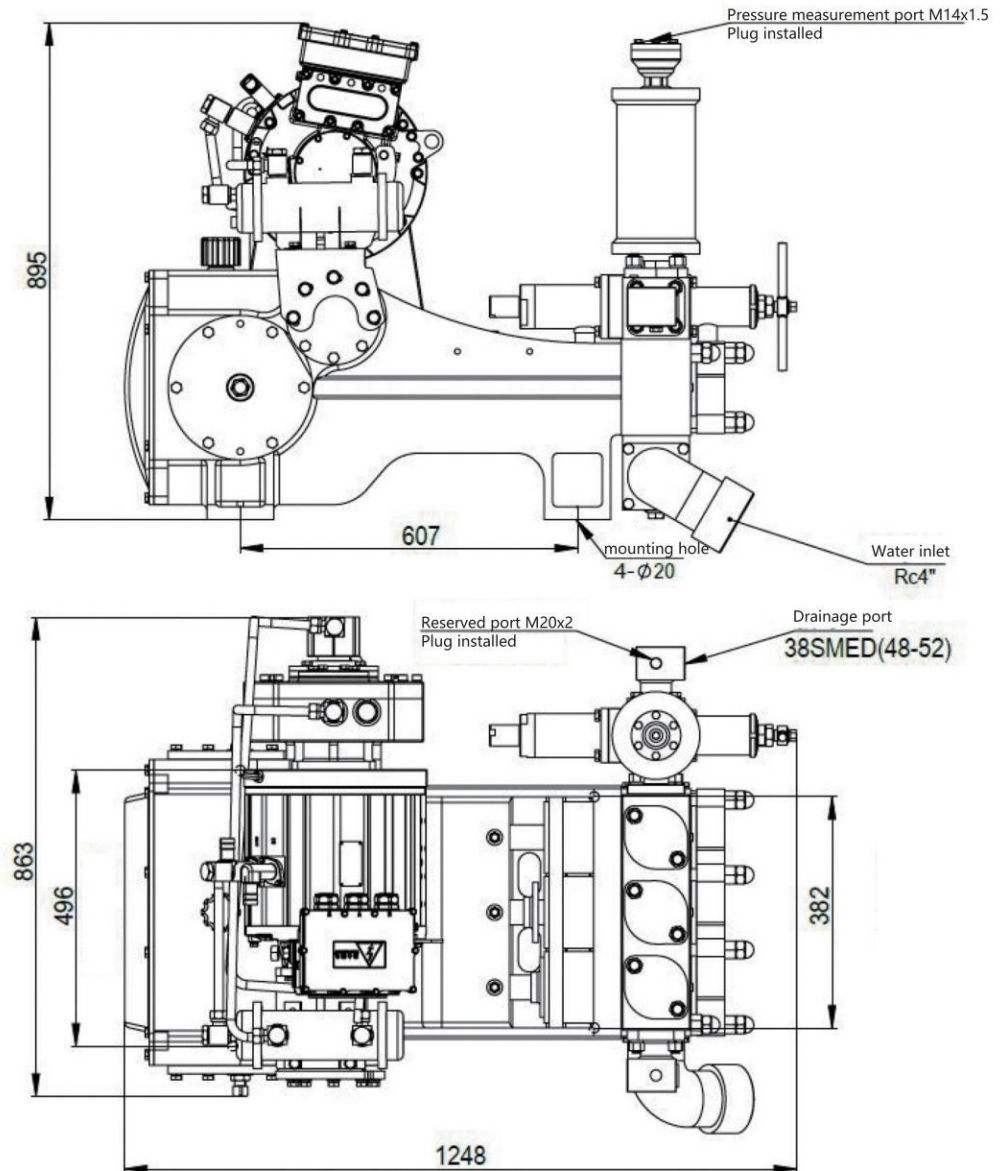


The DXBH-800E reciprocating pump is a horizontal triplex reciprocating single-acting piston pump, which is driven by a permanent magnet synchronous motor and is highly efficient, energy-saving, and environmentally friendly. It is mainly used in conjunction with non-excavation drilling machines of about 65 tons, and can also be used for other purposes such as grouting, mine drainage, and long-distance water delivery. The flow rate and pressure adjustment range of this pump is large, and it can be remotely and infinitely speed-controlled through a controller. The flow rate and pressure changes can achieve constant power, which changes the traditional manual gear shift operation mode. This pump adopts a new concept and a new structure, which is compact in structure, beautiful in appearance, easy to install and maintain, and has a longer service life of vulnerable parts and stable performance.

Horizontal triplex reciprocating single acting piston pump	
Stroke (mm)	110
Cylinder diameter (mm)	110
Flow (L/min)	800 ~ 400
Pressure (MPa)	3.5 ~ 7
Input speed (r/min)	127~ 255
Input power (KW)	55
Dimensions (mm)	1248×863×895
Weight (kg)	990
Hydraulic motor model	YQW4-160Z
Hydraulic motor pressure (MPa)	55
Maximum motor flow (L/min)	1750/3500

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

DXBH-800E Outline Dimension Drawing



DBW-850/5S

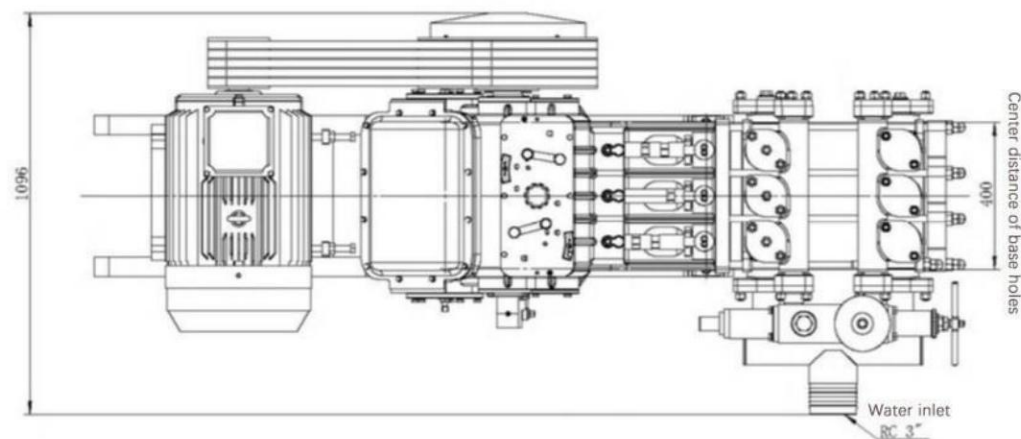
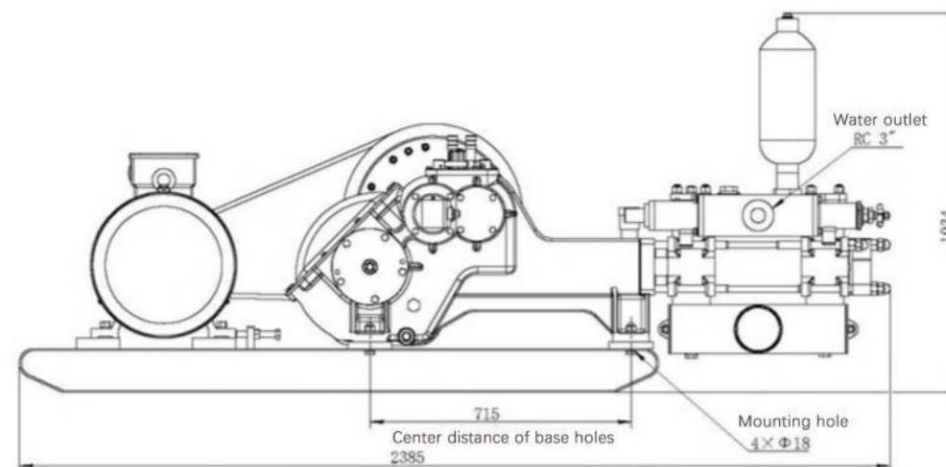


The DBW-850/5S reciprocating pump is a horizontal triplex double-acting piston pump driven by an electric motor. It is primarily used for circulating flushing fluid in geological core drilling operations, as well as for other applications such as grouting, sewage discharge, and long-distance water delivery. This pump offers four flow rates and four pressure levels, with a wide range of adjustments to accommodate drilling and pull-back operations for different borehole diameters. The design incorporates modern concepts, utilizing new structures, materials, and manufacturing techniques. It features a compact structure, lightweight construction, small footprint, and aesthetically pleasing appearance. Installation and maintenance are convenient, and the pump boasts high output pressure, extended service life for wear-prone parts, and stable performance.

Horizontal triplex reciprocating single acting piston pump				
Stroke(mm)	110			
Cylinder diameter(mm)	95			
Pump speed(r/min)	203	145	103	74
Flow(L/min)	865	618	429	315.5
Pressure(Mpa)	1.8	2.5	3.5	5
Motor Power(Kw)	30			
Maximum Suction Height(m)	2.5			
Inlet Connection	Rc 3			
Outlet Connection	M42 × 2			
Dimensions(mm)	2385 × 1096 × 1034			
Weight(kg)	650			
Motor Model	TYC32-1750-L160M12			
Drive Connection Method	Motor + Pulley			

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

DBW-850/5S Outline Dimension Drawing



DBWH-1500



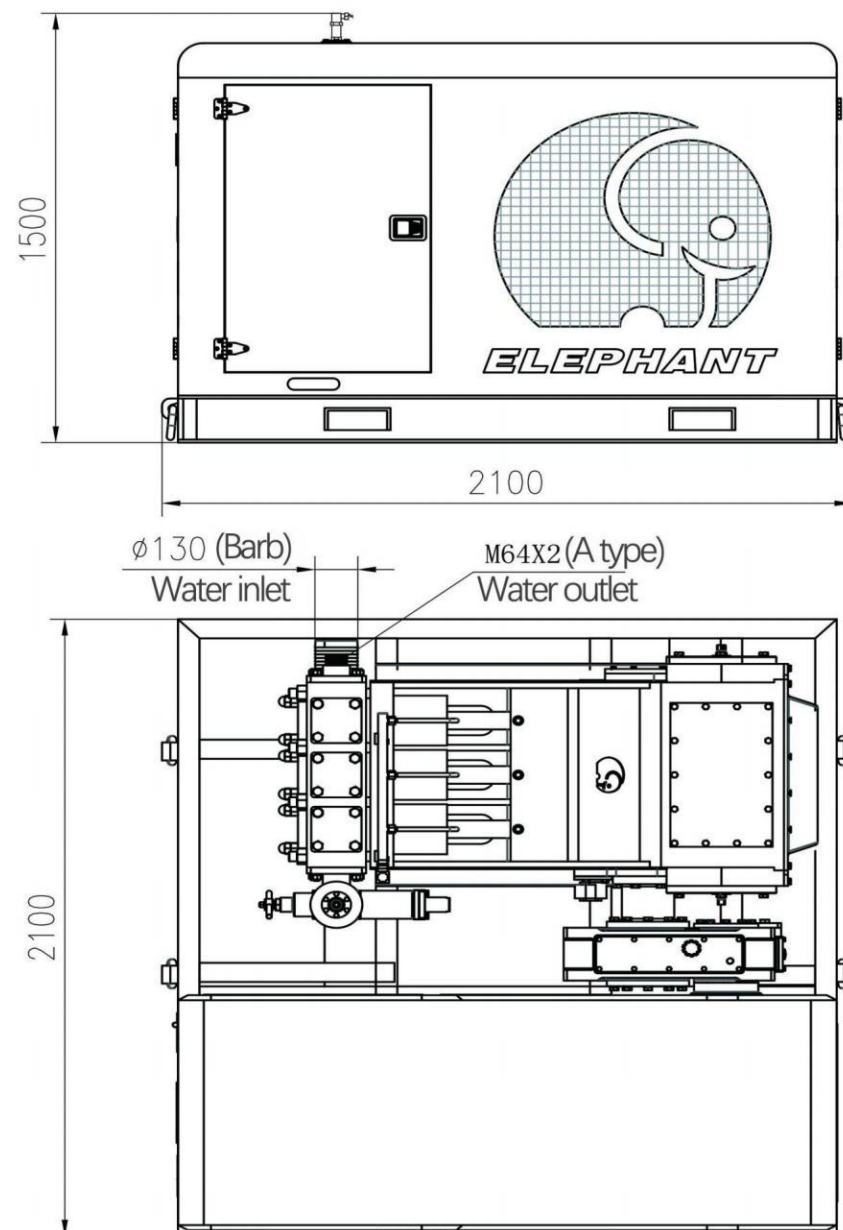
The DBWH-1500 reciprocating pump is a horizontal triplex single-acting piston pump driven by a permanent magnet synchronous motor, offering high efficiency, energy savings, and environmental friendliness. It is primarily designed for use with 150-ton trenchless drilling rigs but can also be employed for other applications such as grouting, mine drainage, and long-distance water delivery. This pump features a wide range of adjustable flow rates and pressures, enabling remote stepless speed regulation via a controller. The flow and pressure variations can maintain constant power output, replacing traditional manual gear-shifting operations. With innovative design concepts and a compact structure, the pump boasts an aesthetically pleasing appearance, easy installation and maintenance, extended service life for wear-prone parts, and stable performance.

Horizontal triplex reciprocating single acting piston pump

Stroke(mm)	150
Cylinder diameter(mm)	140
Flow(L/min)	1500-465
Pressure(Mpa)	4-10
Rated power(Kw)	150
Dimensions(mm)	2100 × 2100 × 1500
Weight(kg)	3800
Power unit	Permanent Magnet Synchronous Motor
Transmission System	Parallel Shaft Gearbox
Control Method	Wireless and Wired Remote Control, Display Monitoring, Local Control

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

DBWH-1500 Outline Dimension Drawing



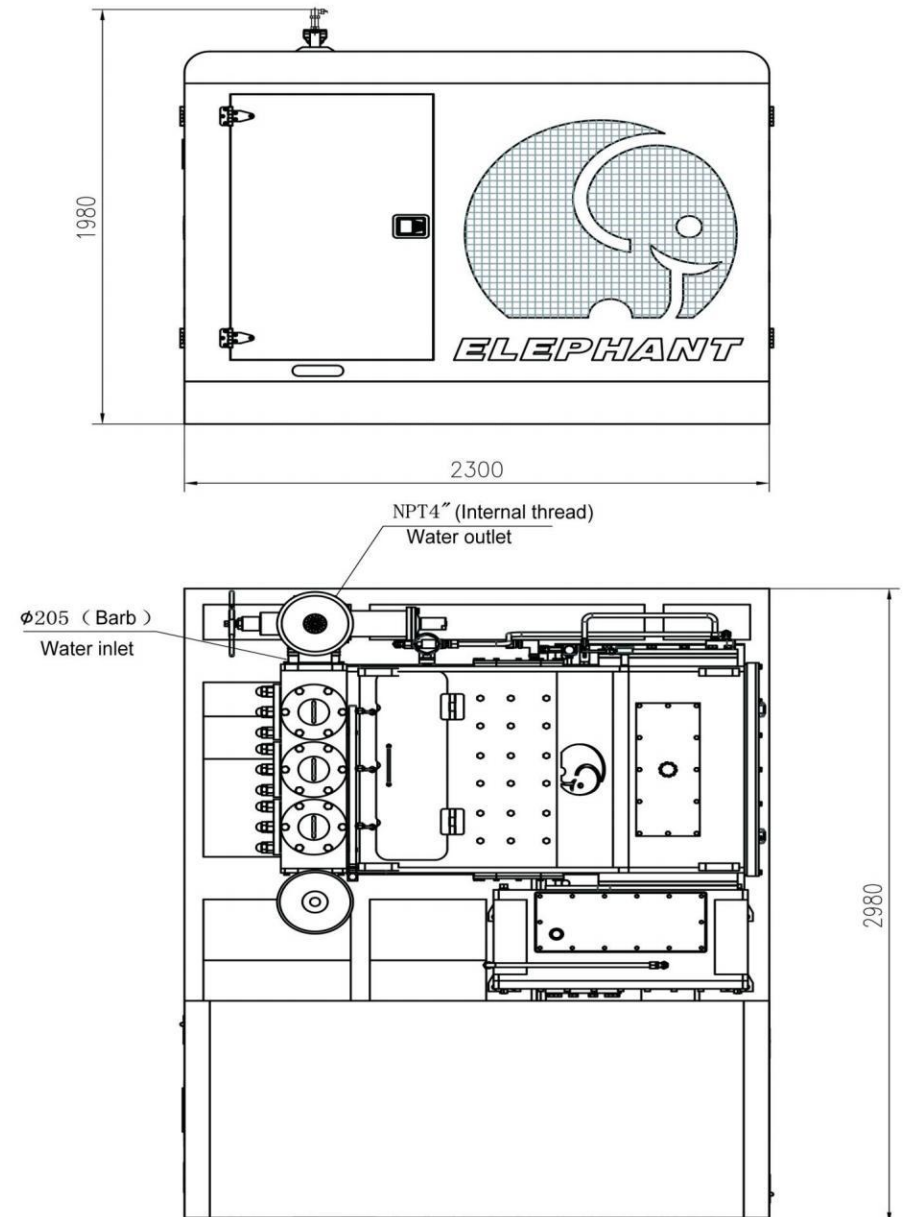
DBWH-3000



The DBWH-3000 reciprocating pump is a horizontal three-cylinder reciprocating single-acting piston pump, driven by a permanent magnet synchronous motor, which is highly efficient, energy-saving, and environmentally friendly. It is primarily used in conjunction with approximately 500-ton trenchless drilling rigs, and can also be utilized for other applications such as grouting, mine drainage, and long-distance water delivery. The pump offers a wide range of flow and pressure regulation, with remote stepless speed control via a controller, allowing for constant power output with changes in flow and pressure, thereby transforming the traditional manual gear-shifting operation mode. The pump incorporates new concepts and structures; it is compact in design, aesthetically pleasing, easy to install and maintain, with a longer lifespan for wear parts and stable performance.

Horizontal triplex reciprocating single acting piston pump	
Stroke (mm)	175
Cylinder diameter (mm)	200
Flow (L/min)	3000-1500
Pressure (MPa)	5-10
Rated power (KW)	300
Dimensions (mm)	2980 × 2300 × 1980
Weight (kg)	7200
Rated speed (r/min)	3500
Motor model	Permanent Magnet Synchronous Motor
Control mode	Wireless, wired remote control and display monitoring, local control

DBWH-3000 外形尺寸简图



CBW-100Q

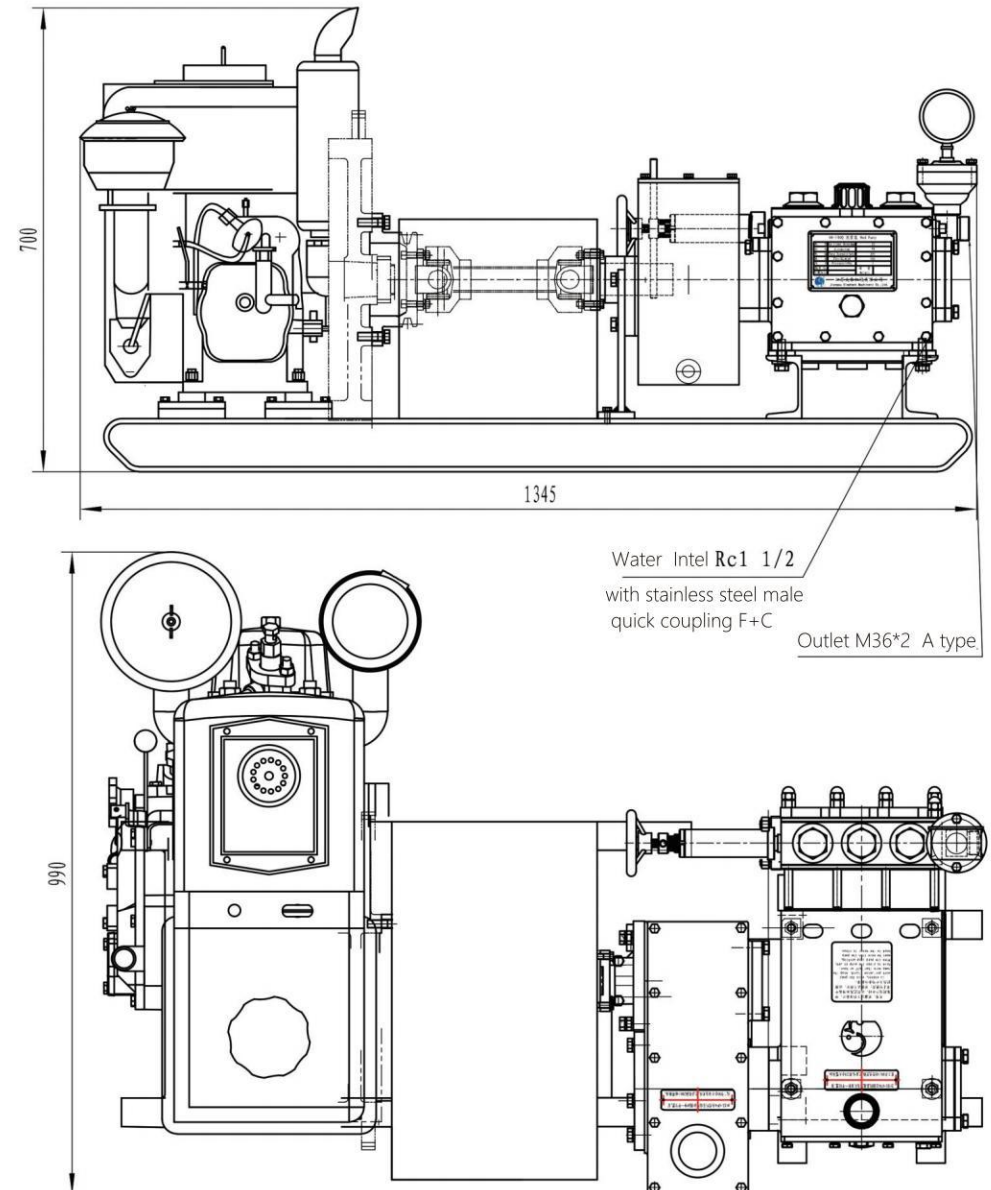
CBW-100Q Outline Dimension Drawing



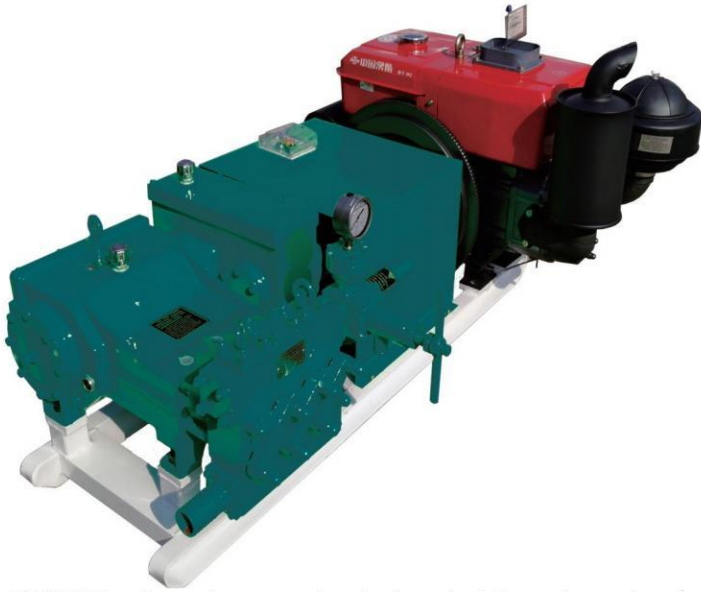
The CBW-100Q reciprocating pump is a horizontal triplex reciprocating single-acting piston pump, driven by a single-cylinder diesel engine and transmitted through a reduction gearbox with a coupling. It is mainly used to convey flushing fluid into the borehole during geological core drilling, and can also be used for grouting, sewage discharge, and long-distance water delivery for other purposes. It can be used for drilling and backout with different diameters. The design adopts new concepts, new structures, new materials, and new processes; it is compact in structure, light in weight, small in size, and aesthetically pleasing; it is easy to install and maintain; and it has the characteristics of high output pressure, long service life of vulnerable parts, and stable performance.

Horizontal triplex reciprocating single acting piston pump		
Stroke (mm)		48
Cylinder diameter (mm)		55
Flow (L/min)		100
Pressure (MPa)		7
Input speed (r/min)		295
Input power (kw)		14
Dimensions (mm)		1345 × 990 × 700
Weight (kg)		415
Diesel engine model		ZS1115
Diesel Engine Power (KW)		16

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.



CBW-105Q

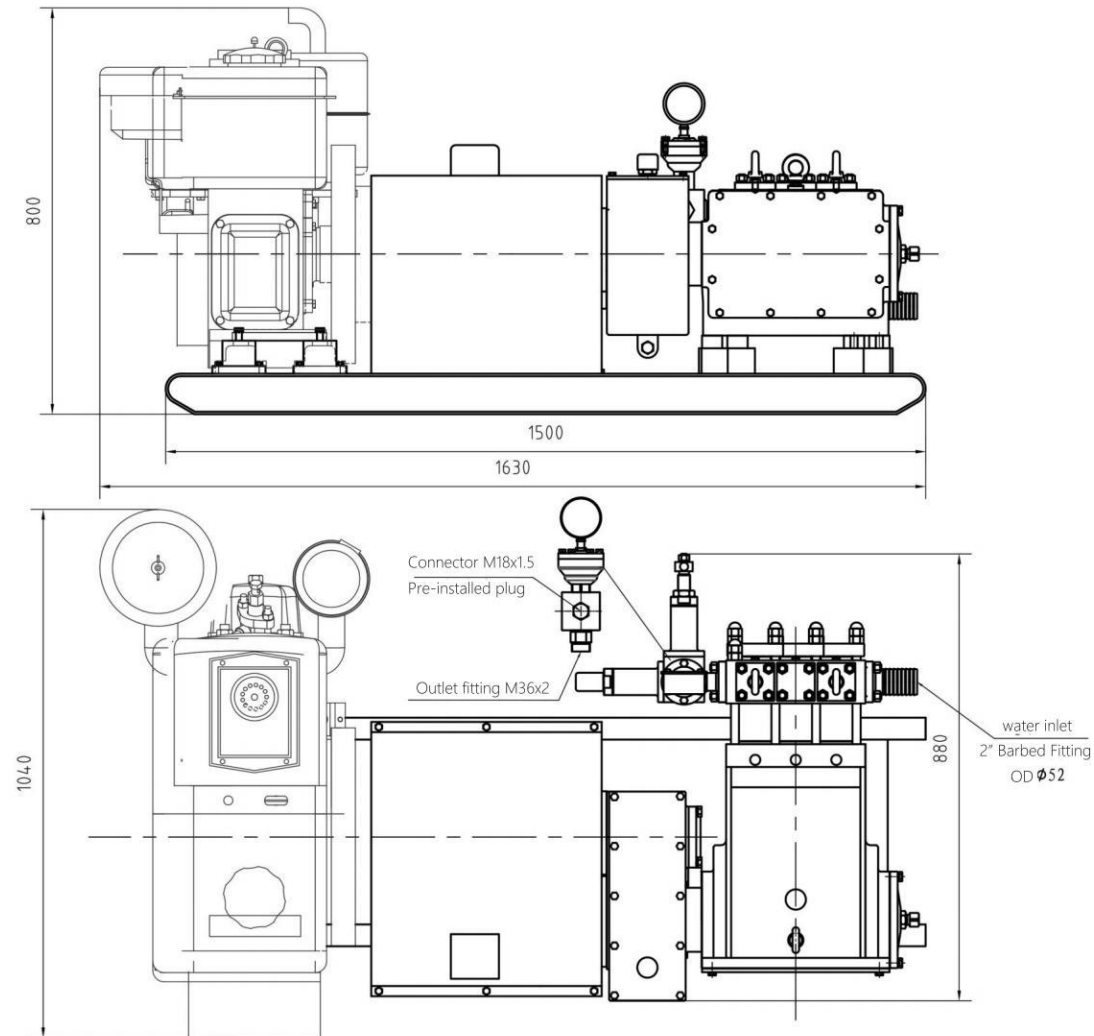


The CBW-105Q reciprocating pump is a horizontal triplex reciprocating single-acting piston pump, driven by a single-cylinder diesel engine and transmitted through a coupling reducer. It is mainly used to deliver flushing fluid to the borehole during geological core drilling, and can also be used for grouting, sewage discharge, and long-distance water delivery in other applications. It can be adapted to different borehole diameters for drilling and backfilling. The design incorporates new concepts, new structures, new materials, and new processes; with compact structure, light weight, small size, and beautiful appearance; installation and maintenance are convenient; it has the characteristics of high output pressure, longer service life of vulnerable parts, and stable performance.

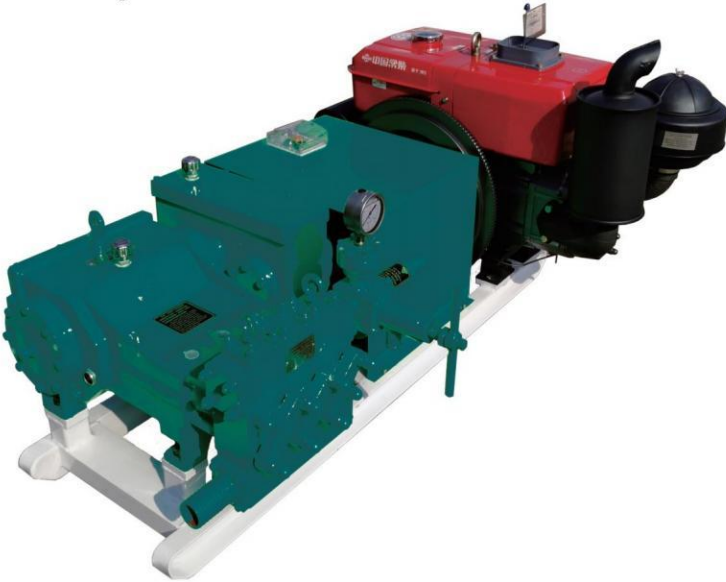
Horizontal triplex reciprocating single acting piston pump		
Stroke (mm)		60
Cylinder diameter (mm)		50
Flow (L/min)		105
Pressure (MPa)		10
Input speed (r/min)		300
Input power (kw)		21
Dimensions (mm)		1630 × 1040 × 800
Weight (kg)		600
Diesel engine model		L32
Diesel Engine Power (KW)		23

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

CBW-105Q Outline Dimension Drawing



CBW-150Q

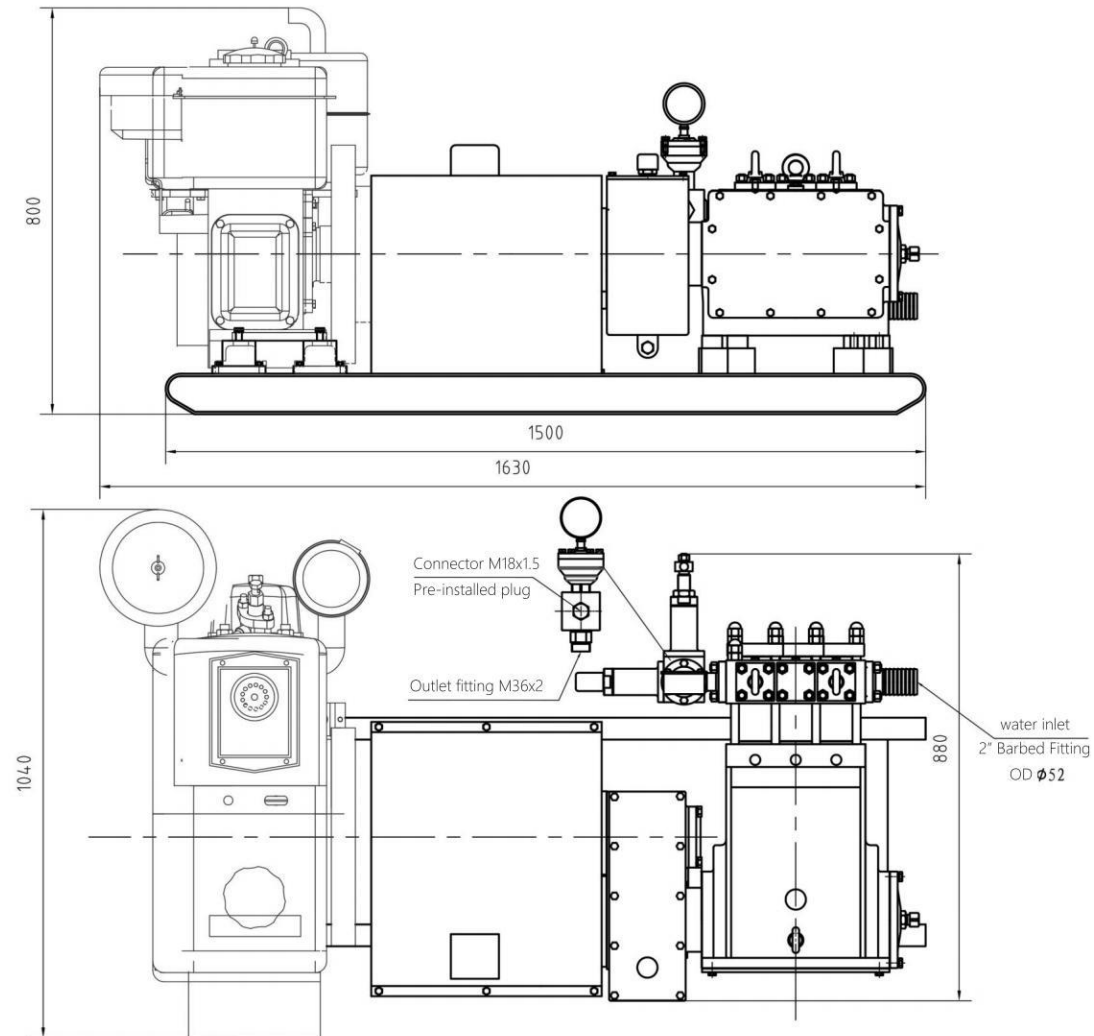


CBW-150Q reciprocating pump is a horizontal triplex reciprocating single-acting piston pump driven by a single-cylinder diesel engine and transmitted through a coupling reducer. It is mainly used to transport flushing fluid into the borehole during geological core drilling, and can also be used for other applications such as grouting, sewage discharge, and long-distance water delivery. It can be adapted to drilling and back-pulling of different diameters. In terms of design, new concepts, new structures, new materials, and new processes are adopted. The structure is compact, lightweight, small in size, and beautiful in appearance. It is easy to install and maintain, with high output pressure, long service life of vulnerable parts, and stable performance.

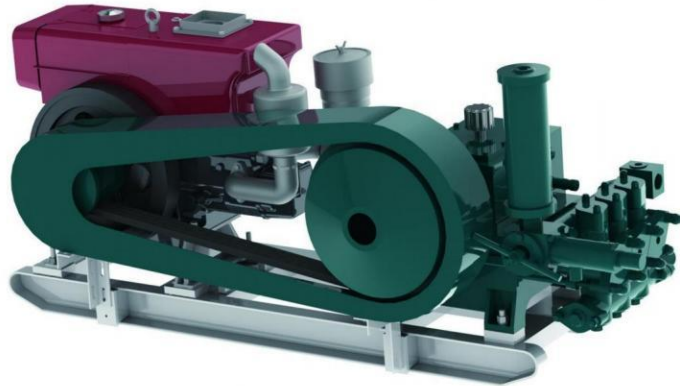
Horizontal triplex reciprocating single acting piston pump		
Stroke (mm)		60
Cylinder diameter (mm)		60
Flow (L/min)		150
Pressure (MPa)		7
Input speed (r/min)		295
Input power (kw)		21
Dimensions (mm)		1630 × 1040 × 800
Weight (kg)		600
Diesel engine model		L32
Diesel Engine Power (KW)		23

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

CBW-150Q Outline Dimension Drawing



CBWF-250



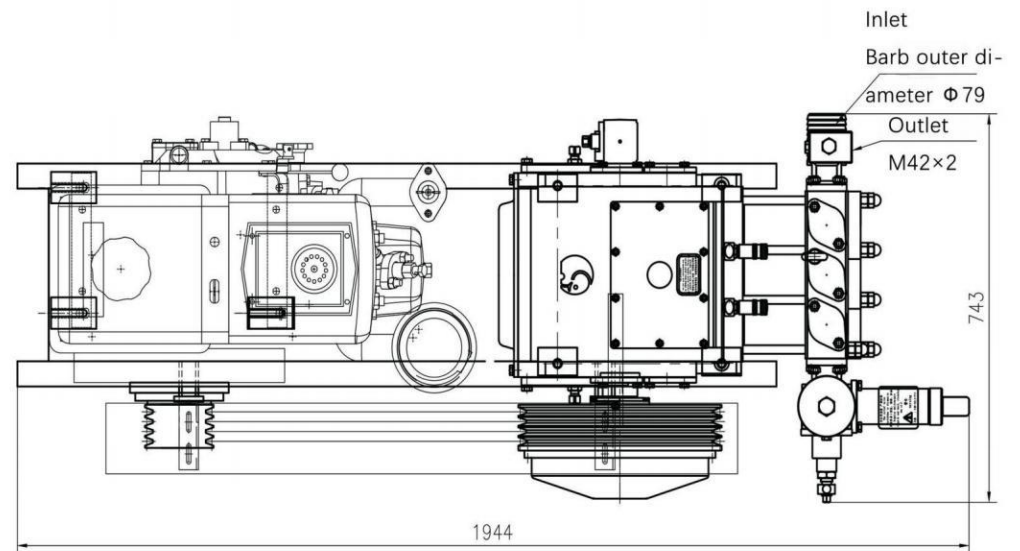
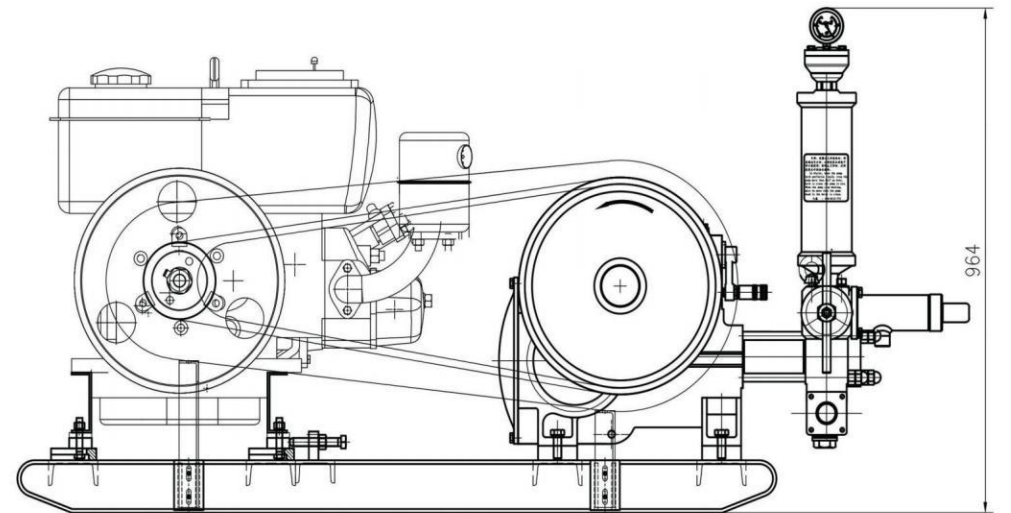
The CBWF-250 reciprocating pump is a horizontal triplex single-acting piston pump, driven by a single-cylinder diesel engine with a pulley clutch transmission. It is primarily used for geological exploration, grouting, mine drainage, long-distance water delivery, and other applications. This pump offers four flow rates and four pressure levels, with a wide range of flow and pressure variations, making it suitable for drilling and pullback operations in different borehole sizes. The design incorporates modern concepts, utilizing new structures, materials, and manufacturing techniques. It features a compact structure, lightweight, small footprint, and aesthetically pleasing appearance. Additionally, it is easy to install and maintain, with advantages such as high output pressure, extended service life of wear-prone parts, and stable performance.

Horizontal triplex reciprocating single acting piston pump

Stroke(mm)	70			
Cylinder diameter(mm)	75			
Flow(L/min)	250	158	100	69
Pressure(Mpa)	2.5	4	6	9
Input speed(r/min)	727			
Rated power(Kw)	14			
Dimensions(mm)	1944×743×964			
Weight(kg)	600			
Diesel engine model	ZS1115			
Diesel engine power(KW)	16.2			
Diesel engine rated speed(r/min)	2200			

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

CBWF-250 Outline Dimension Drawing



CBW-450/5A (Diesel engine power)

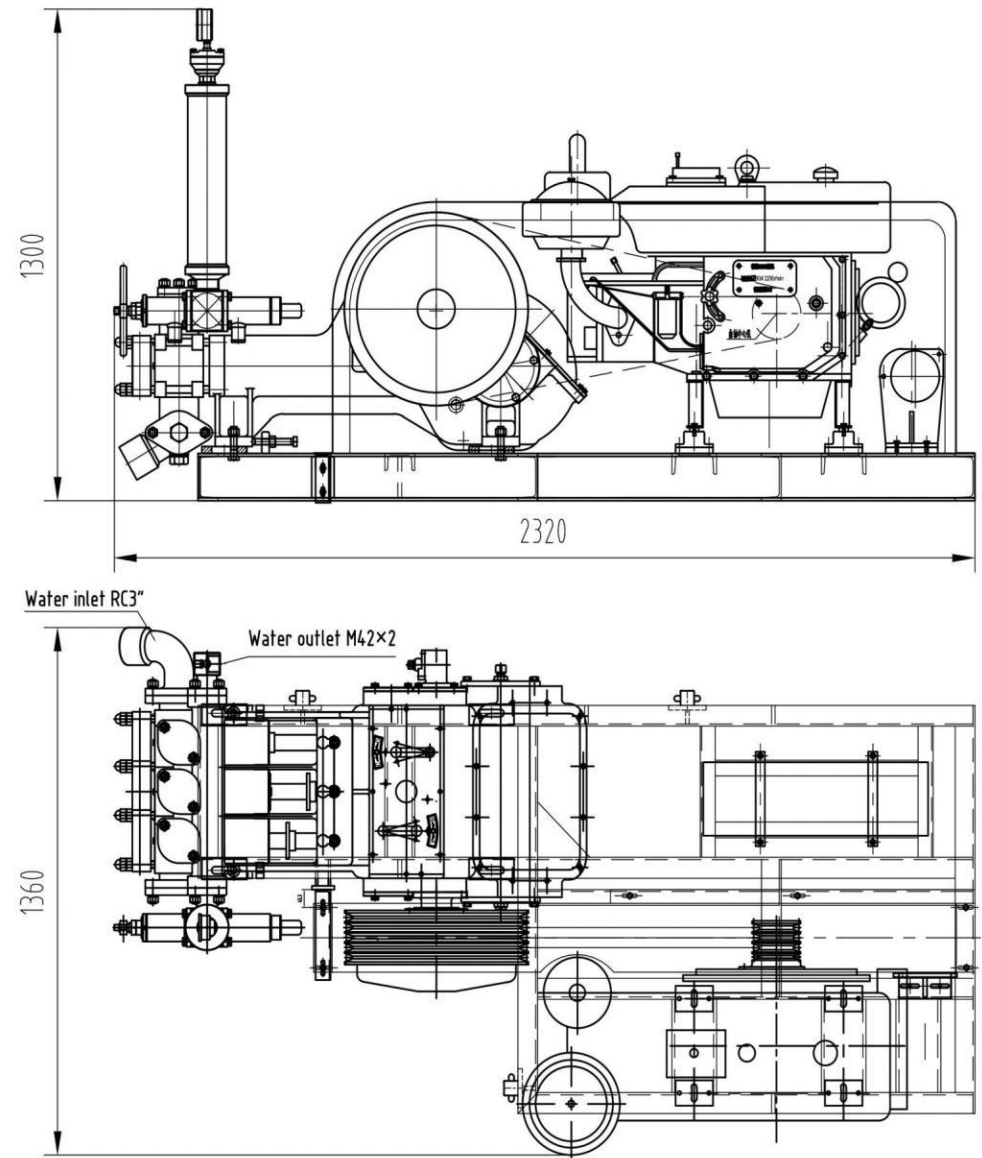


CBW-450/5A reciprocating pump is a horizontal triplex reciprocating single-acting piston pump, which is driven by a single-cylinder diesel engine and belt-driven. It is mainly used for geological exploration, grouting, mine drainage, and long-distance water delivery. The pump has four flow rates and four pressures, with a wide range of flow and pressure changes, suitable for drilling and backwashing with different bore diameters. In design, new concepts, new structures, new materials, and new processes are widely used; the structure is compact, light in weight, small in size, and beautiful in appearance; installation and maintenance are convenient; it has the characteristics of high output pressure, long service life of vulnerable parts, and stable performance.

Horizontal triplex reciprocating single acting piston pump				
Stroke (mm)	110			
Cylinder diameter (mm)	95			
Flow (L/min)	450	320	230	160
Pressure (MPa)	2	3	4	5
Input speed (r/min)	490			
Dimensions (mm)	2320 × 1360 × 1300			
Weight (kg)	1100			
Diesel engine model	L32M			
Diesel Engine Power (KW)	23			
Rated speed (r/min)	2000			

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

CBW-450/5A Outline Dimension Drawing





CBW-600 (Diesel engine power)



The CBW-600 reciprocating pump is a horizontal triplex reciprocating single-acting piston pump, driven by a diesel engine, using a reduction box to replace the traditional belt pulley transmission, and wireless remote pneumatic control clutch. It is mainly used in conjunction with non-excavation drilling rigs of about 70 tons, and can also be used for other injection grouting, mine drainage, and long-distance water delivery applications. The pump has four flow rates and four pressures, with a large range of flow and pressure changes, which can be suitable for drilling and backflushing of different diameters. In design, new concepts, structures, materials, and processes are adopted. The pump has a compact structure, light weight, small size, and beautiful appearance, making installation and maintenance convenient. It features high output pressure, long service life of vulnerable parts, and stable performance.

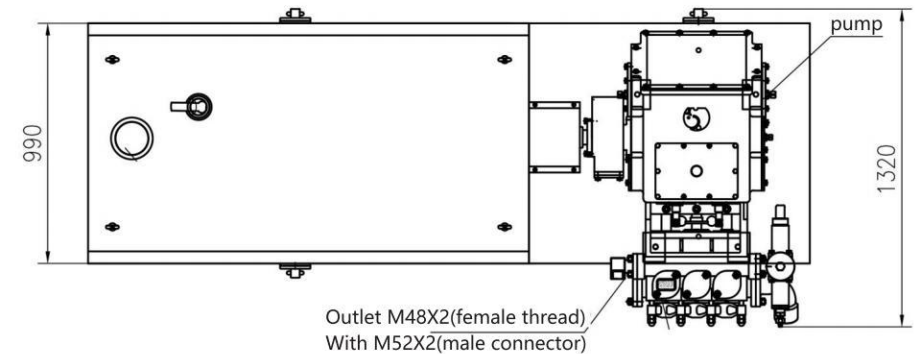
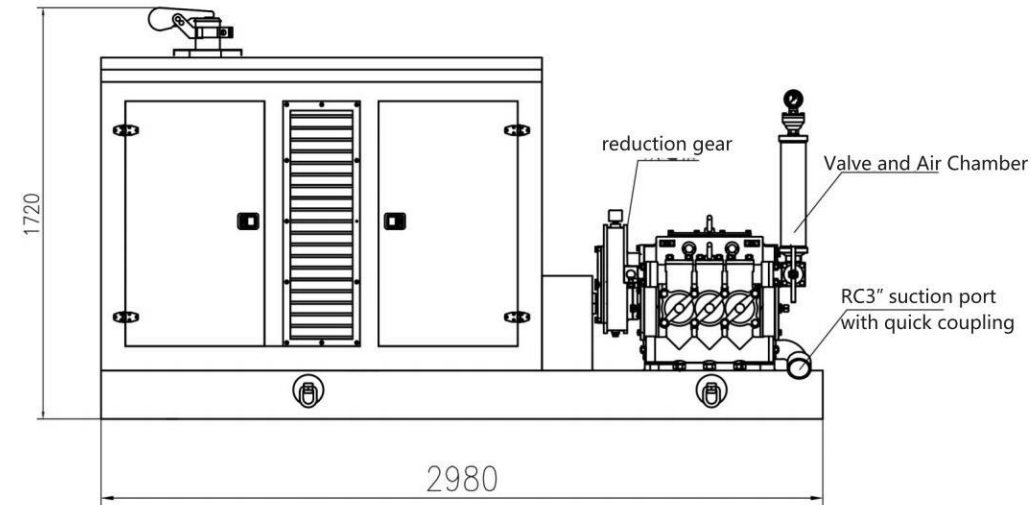
Horizontal triplex reciprocating single acting piston pump

Stroke (mm)	110
Cylinder diameter (mm)	100
Flow (L/min)	600 415 280 195
Pressure (MPa)	3.5 5 7.5 10
Input speed (r/min)	550
Dimensions (mm)	2980 × 1320 × 1720
Weight (kg)	2200
Diesel engine model	4BTA3.9
Diesel Engine Power (KW)	60
Rated speed (r/min)	1500

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.



CBW-600 Outline Dimension Drawing



CBW-800 (Diesel engine power)

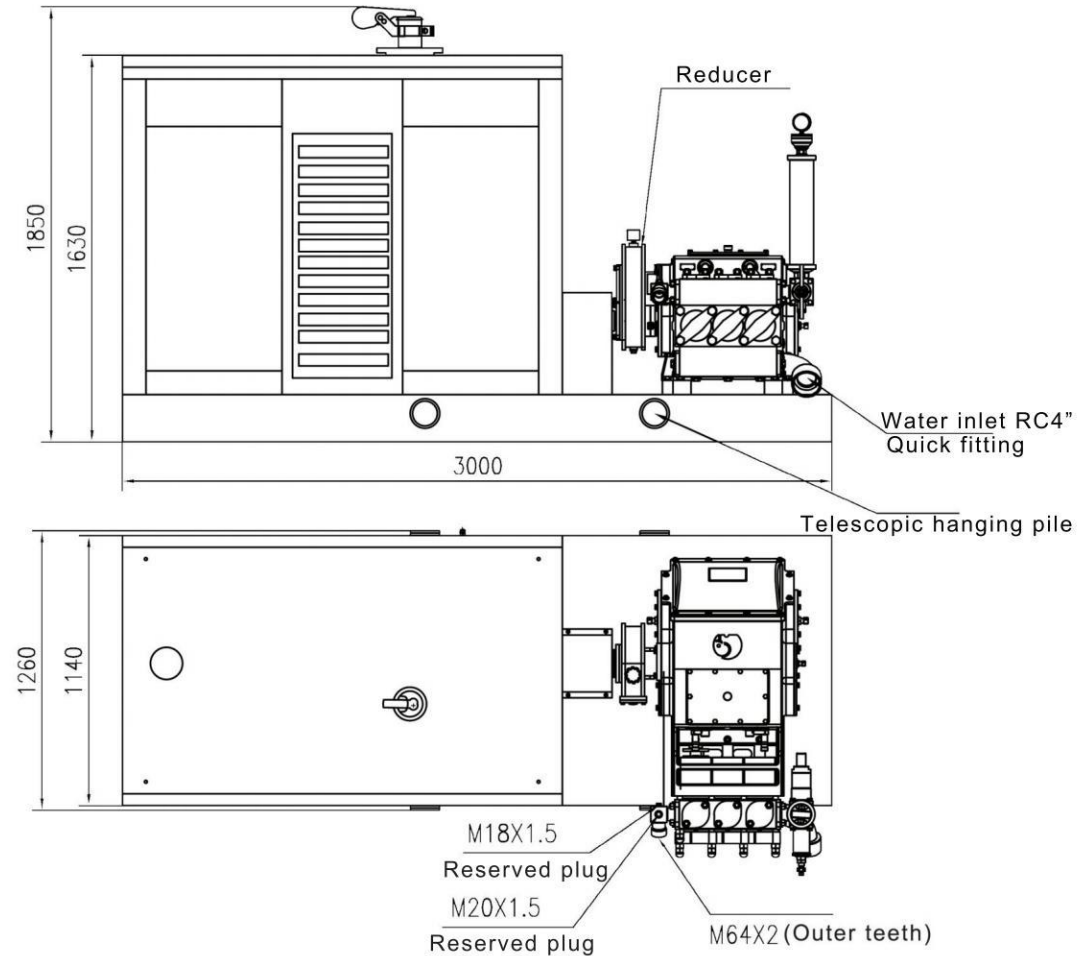


The CBW-800 reciprocating pump is a horizontal triplex reciprocating single-acting piston pump, driven by a diesel engine and using a gearbox instead of traditional belt wheel transmission. It has a wireless remote pneumatic control clutch. It is mainly designed to be used with non-excavation drilling rigs of around 90 tons, and can also be used for grouting, mine drainage and long-distance water delivery. The pump has four flow rates and four pressures, with a wide range of flow and pressure changes suitable for different hole drilling and backfilling. The design embodies new concepts and uses new structures, materials, and processes, with a compact structure, light weight, small size, and beautiful appearance. It is easy to install and maintain and has high output pressure, long service life of vulnerable parts, and stable performance.

Horizontal triplex reciprocating single acting piston pump				
Stroke (mm)	135			
Cylinder diameter (mm)	110			
Flow (L/min)	800	550	370	260
Pressure (MPa)	3.5	5	7.5	10
Input speed (r/min)	55			
Dimensions (mm)	3000 × 1260 × 1850			
Weight (kg)	2420			
Diesel engine model	QSB3.9-P110			
Diesel Engine Power (KW)	79			
Rated speed (r/min)	1400			

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

CBW-800 Outline Dimension Drawing



CBW-1000 (Diesel engine power)

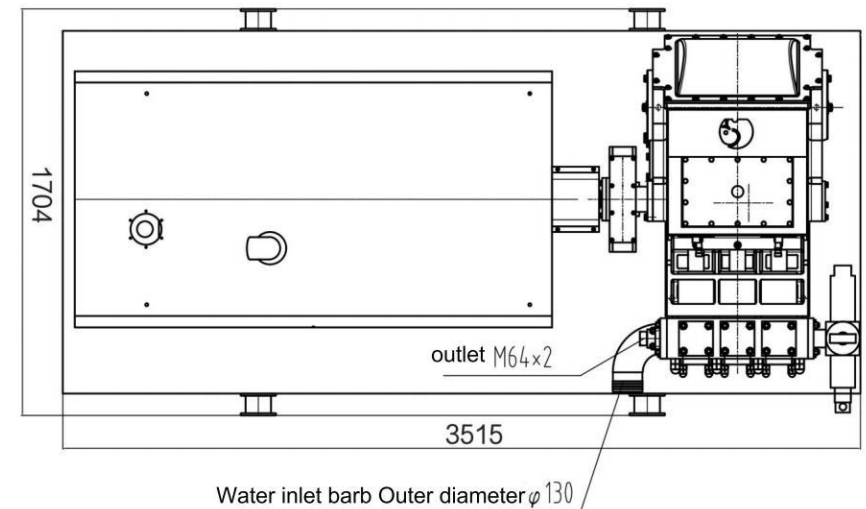
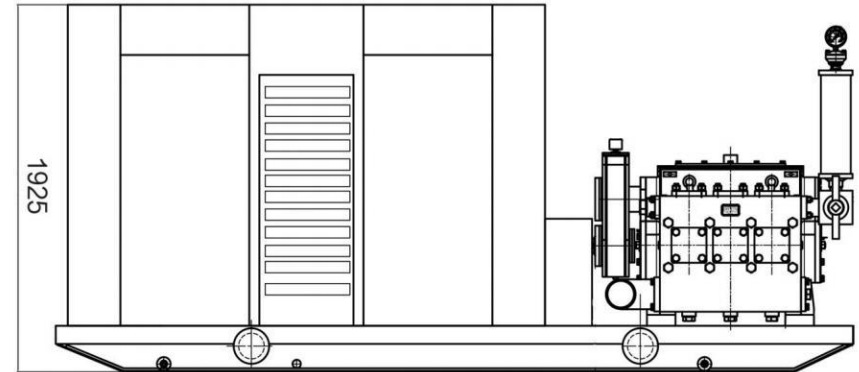


The CBW-1000 reciprocating pump is a horizontal triplex reciprocating single-acting piston pump, driven by a diesel engine and using a gearbox instead of a traditional belt wheel transmission, with a wireless remote pneumatic control clutch. It is mainly used with non-excavation drilling rigs of around 100 tons, and can also be used for other purposes such as grouting, mine drainage, and long-distance water delivery. The pump has four different flow rates and four different pressures, with a wide range of flow rate and pressure changes, making it suitable for different borehole drilling and retreat. The design adopts new concepts, new structures, new materials, and new technologies, featuring a compact structure, light weight, small size, beautiful appearance, and convenient installation and maintenance. It also has the characteristics of high output pressure, long service life of vulnerable parts, and stable performance.

Horizontal triplex reciprocating single acting piston pump				
Stroke (mm)	150			
Cylinder diameter (mm)	115			
Flow (L/min)	1000	645	500	320
Pressure (MPa)	4	6	8	11
Input speed (r/min)	80			
Dimensions (mm)	3650 × 1811 × 1635			
Weight (kg)	3780			
Diesel engine model	QSB5.9-P130			
Diesel Engine Power (KW)	96			
Rated speed (r/min)	1500			

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

CBW-1000 Outline Dimension Drawing



CBW-1200 (Diesel engine power)

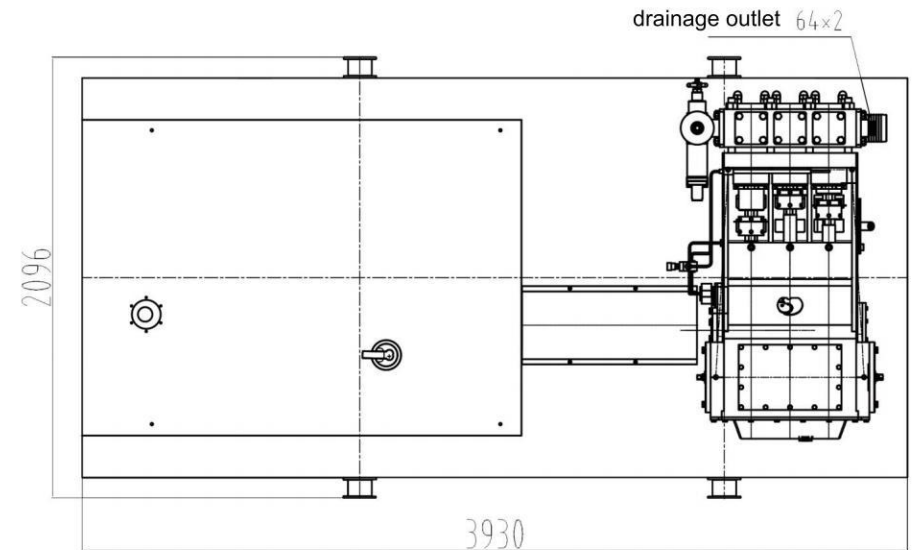
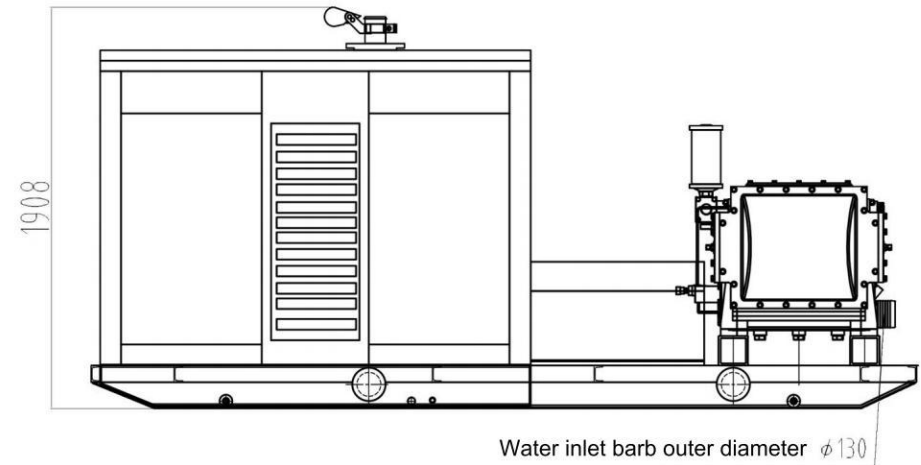


CBW-1200 reciprocating pump is a horizontal triplex reciprocating single-acting plunger pump driven by a diesel engine, equipped with an automatic transmission and wireless remote control. It is mainly used in conjunction with non-excavation drilling rigs of around 150 tons, but can also be used for grouting, mine drainage, and long-distance water delivery in other applications. The pump has five flow rates and five pressures, with a wide range of flow and pressure changes that can accommodate different drill hole diameters and back pressures. In design, new concepts, structures, materials, and processes are adopted, with a compact structure, light weight, small size, and pleasing appearance. Installation and maintenance are convenient, and the pump features high output pressure, long service life for vulnerable parts, and stable performance.

Horizontal triplex reciprocating single acting piston pump					
Stroke (mm)	150				
Cylinder diameter (mm)	120				
Flow (L/min)	1200	890	660	485	363
Pressure (MPa)	4.5	6	8	10	12
Input speed (r/min)	100				
Dimensions (mm)	3930 × 2096 × 1908				
Weight (kg)	4180				
Diesel engine model	QSB5.9-C180				
Diesel Engine Power (KW)	132				
Rated speed (r/min)	1800				

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

CBW-1200 Outline Dimension Drawing





CBWH-1200 (Diesel engine power)



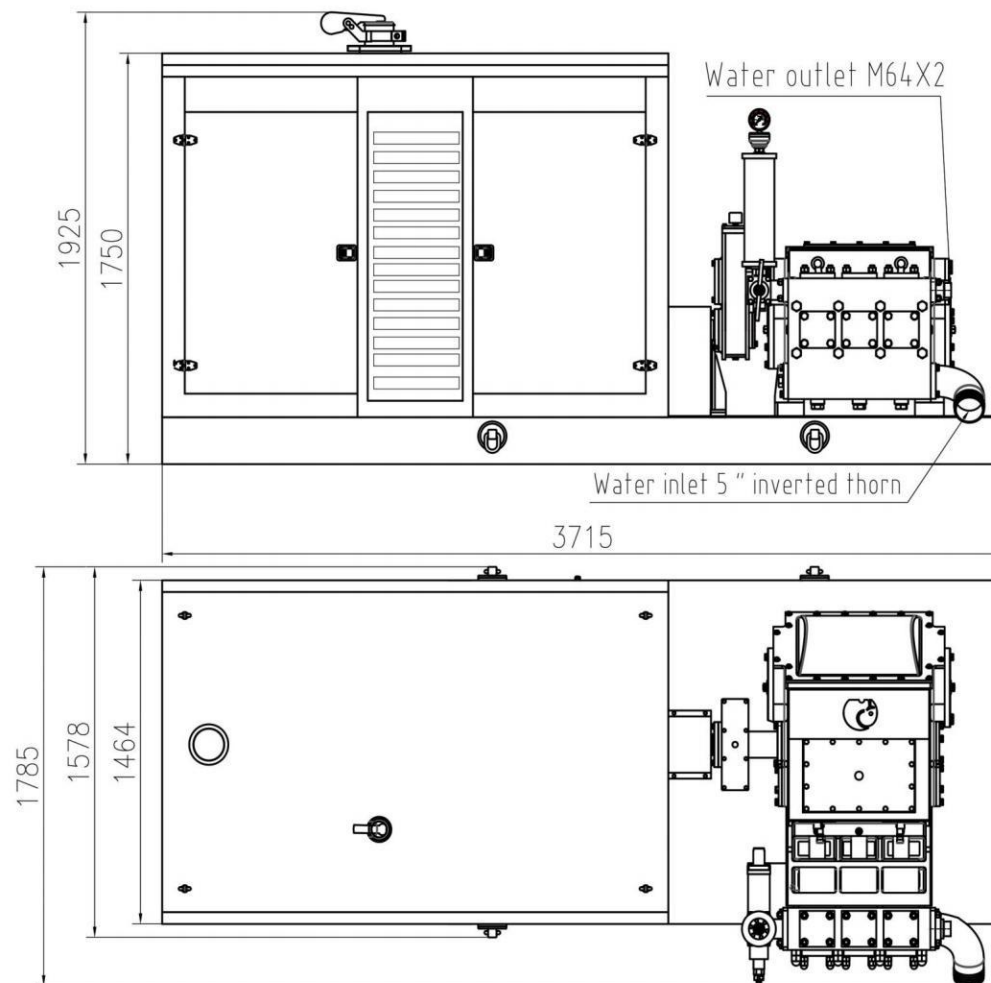
CBWH-1200 reciprocating pump is a horizontal triplex reciprocating single-acting piston pump, driven by diesel engine and using a reduction gearbox to replace the traditional belt pulley transmission, with wireless remote pneumatic control clutch. It is mainly used in conjunction with non-excavation drilling rigs of about 150 tons, and can also be used for other purposes such as grouting, mine drainage, and long-distance water delivery. The pump has four flow rates and four pressures, with a wide range of flow and pressure changes, and can be used for drilling and backfilling with different diameters. The design adopts new concepts, new structures, new materials, and new processes; the structure is compact, lightweight, small in size, and beautiful in appearance; easy to install and maintain; it has the characteristics of high output pressure, long service life of vulnerable parts, and stable performance.

Horizontal triplex reciprocating single acting piston pump				
Stroke (mm)	150			
Cylinder diameter (mm)	125			
Flow (L/min)	1200	779	600	385
Pressure (MPa)	4	6	8	10
Input speed (r/min)	96			
Dimensions (mm)	3715 × 1785 × 1925			
Weight (kg)	3700			
Diesel engine model	QSB5.9-P160			
Diesel Engine Power (KW)	120			
Rated speed (r/min)	1500			

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.



CBWH-1200 Outline Dimension Drawing





CBW-1500 (Diesel engine power)



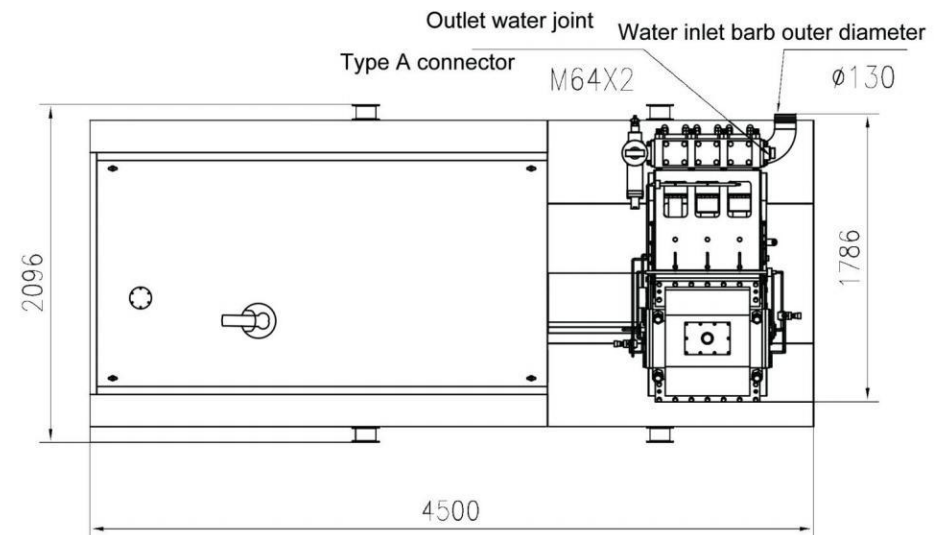
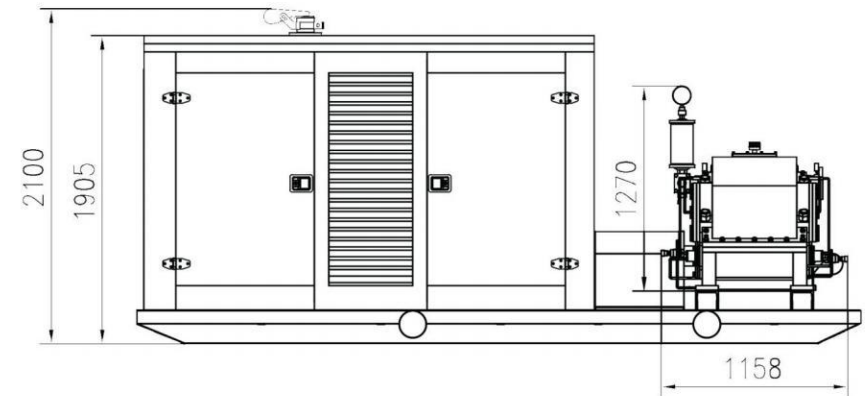
The CBW-1500 reciprocating pump is a horizontal triplex reciprocating single-acting plunger pump, driven by a diesel engine and equipped with an automatic transmission and wireless remote control. It is mainly used in conjunction with non-excavation drilling rigs weighing around 210 tons, and can also be used for other purposes such as grouting, mine drainage, and long-distance water transportation. The pump has five flow rates and five pressures, with a wide range of flow and pressure changes, making it suitable for drilling and backfilling of different diameters. It adopts new ideas, new structures, new materials, and new processes in design; the structure is compact, light in weight, small in size, and aesthetically pleasing; installation and maintenance are convenient; and it features high output pressure, long service life of vulnerable parts, and stable performance.

Horizontal triplex reciprocating single acting piston pump					
Stroke (mm)	150				
Cylinder diameter (mm)	135				
Flow (L/min)	1500	979	728	557	373
Pressure (MPa)	5	7.5	10	13	15
Input speed (r/min)	160				
Dimensions (mm)	4500 × 2096 × 2100				
Weight (kg)	5980				
Diesel engine model	QSC8.3-C260				
Diesel Engine Power (KW)	194				
Rated speed (r/min)	1700				

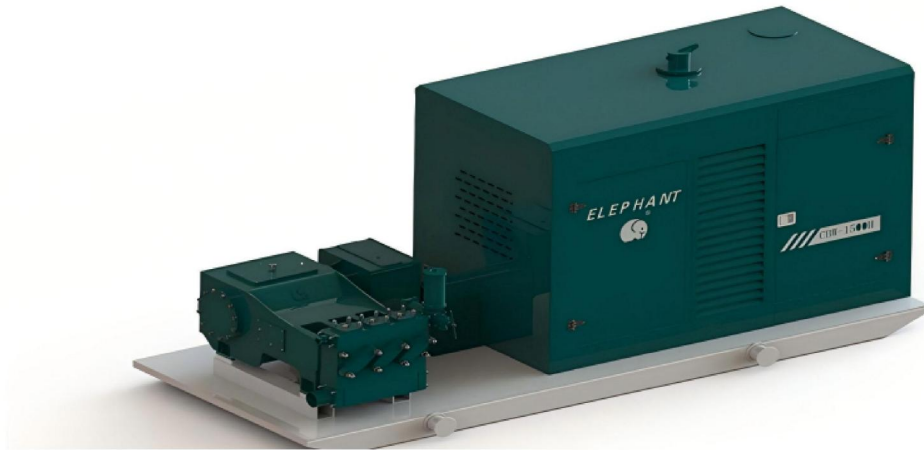
The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.



CBW-1500 Outline Dimension Drawing



CBW-1500H

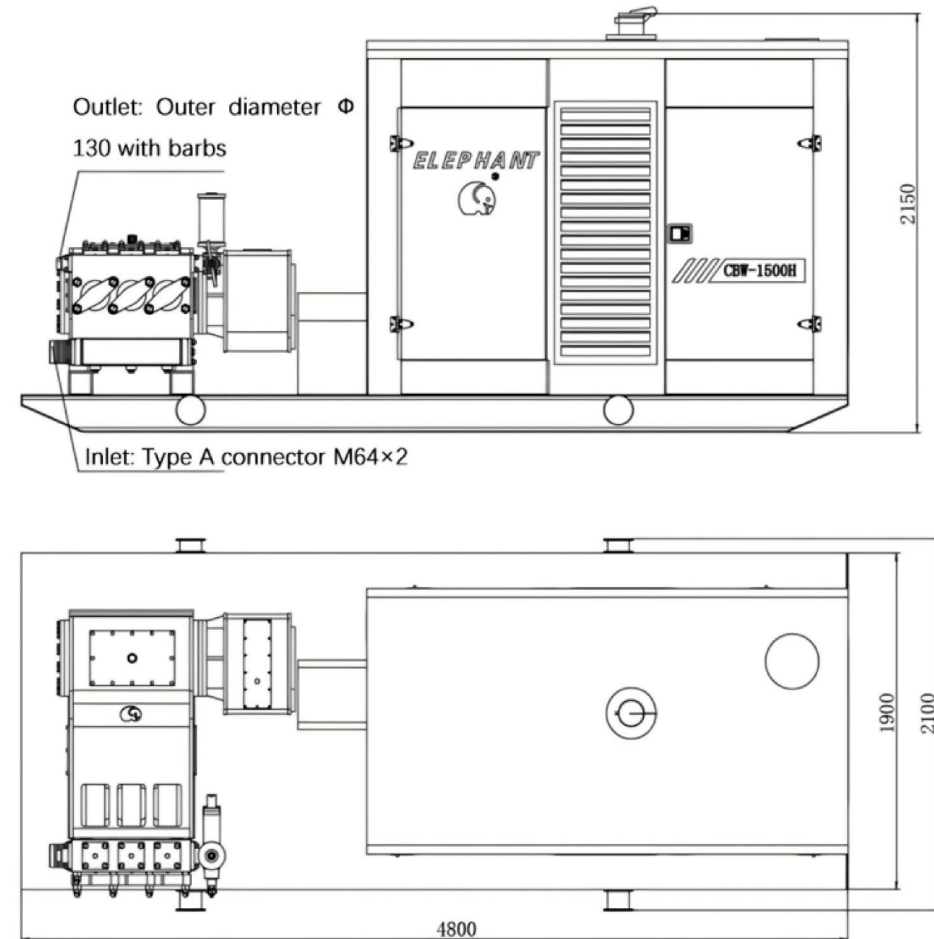


The CBW-1500H reciprocating pump is a horizontal triplex reciprocating single-acting plunger pump, driven by a diesel engine and equipped with an automatic gear-shifting transmission and wireless remote control. It is primarily designed for use with 210-ton horizontal directional drilling (HDD) rigs but can also be employed for other applications such as grouting, mine drainage, and long-distance water delivery. This pump offers five adjustable flow rates and five pressure levels, with a wide range of variations to accommodate different borehole diameters during drilling and pullback operations. Its design incorporates innovative concepts, utilizing advanced structures, materials, and manufacturing techniques. The pump features a compact structure, lightweight construction, small footprint, and aesthetically pleasing appearance. It is easy to install and maintain while delivering high output pressure, extended service life of wear-prone components, and stable performance.

Horizontal triplex reciprocating single acting plunger pump					
Stroke(mm)	150				
Plunger diameter(mm)	135				
Gear position	1	2	3	4	5
Pump speed(r/min)	61	91	119	160	246
Flow(L/min)	373	557	728	979	1500
Pressure(Mpa)	15	13	10	7.5	5
Input power(Kw)	160				
Maximum input torque(N-m)	4100				
Dimensions(mm)	4800×2100×2150				
Weight(kg)	6050				
Power unit	Cummins QSC8.3-C260 Diesel Engine				
Maximum power(Kw)	194				
Rated speed(r/min)	1700				

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

CBW-1500H Outline Dimension Drawing





CBWH-1500 (Diesel engine power)



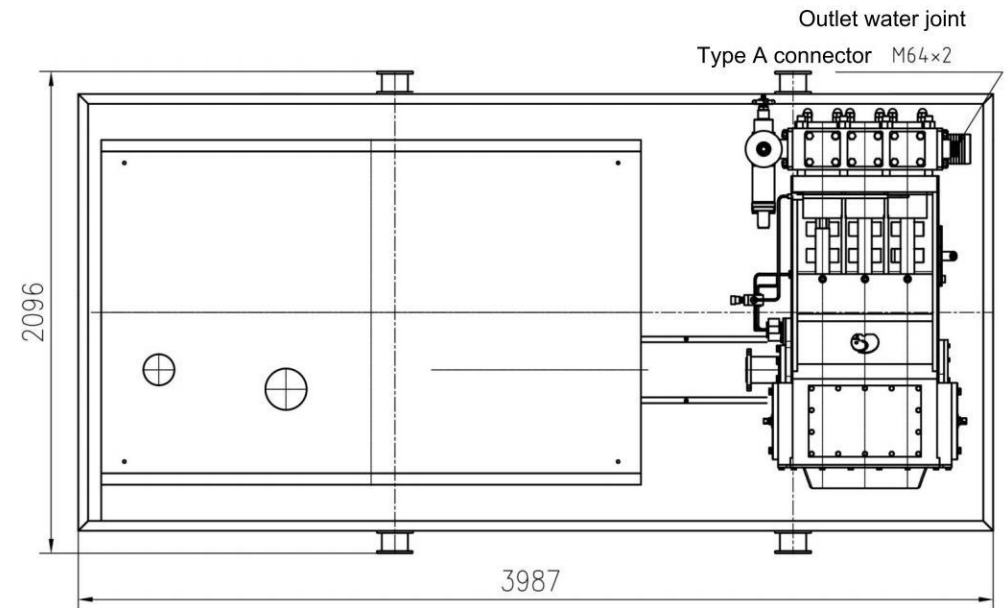
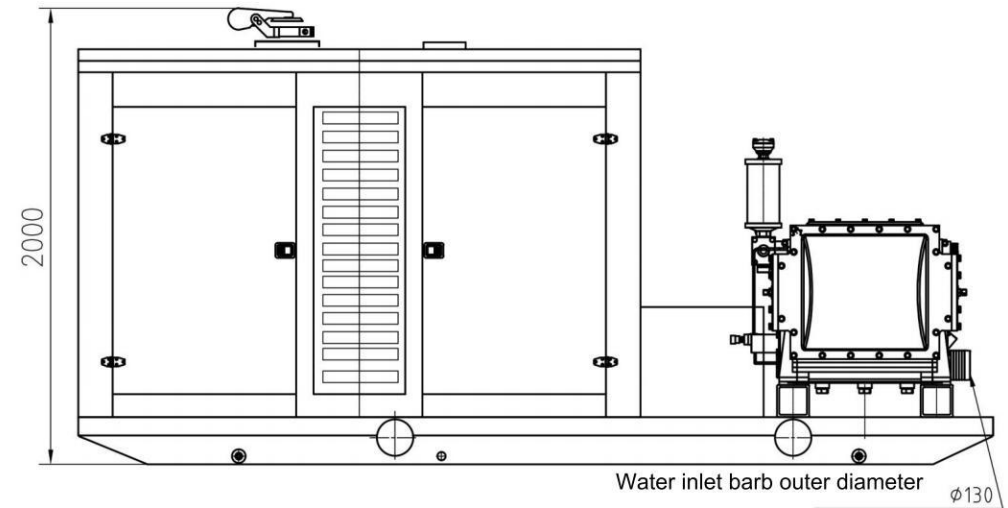
The CBWH-1500 reciprocating pump is a horizontal triplex reciprocating single-acting piston pump driven by a diesel engine, equipped with automatic gear shifting and wire remote control. It is mainly used in conjunction with non-excavation drilling rigs of about 150 tons, and can also be used for other purposes such as grouting, mine drainage, and long-distance water delivery. The pump has five flow rates and five pressures, with a wide range of flow and pressure changes, which can be used for drilling and backfilling with different aperture sizes. The design incorporates new concepts, new structures, new materials, and new processes; it has a compact structure, light weight, small size and beautiful appearance; it is easy to install and maintain; and it has the characteristics of high output pressure, long service life of vulnerable parts and stable performance.

Horizontal triplex reciprocating single acting piston pump					
Stroke (mm)	150				
Cylinder diameter (mm)	140				
Flow (L/min)	1500	1150	850	625	465
Pressure (MPa)	4	5.5	7	9	10
Rated power (kw)	120				
Dimensions (mm)	3987 × 2096 × 2000				
Weight (kg)	4500				
Diesel engine model	QSB5.9-C210				
Diesel Engine Power (KW)	154				
Rated speed (r/min)	1700				

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.



CBWH-1500 Outline Dimension Drawing





CBW-2000 (Diesel engine power)



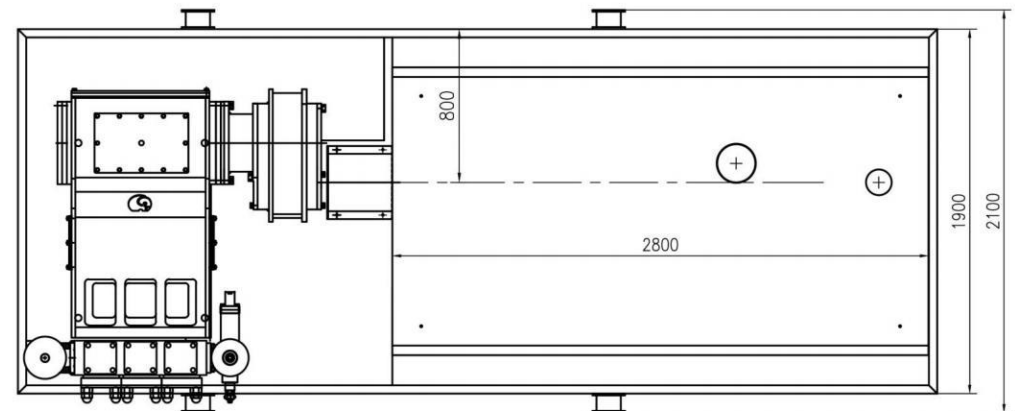
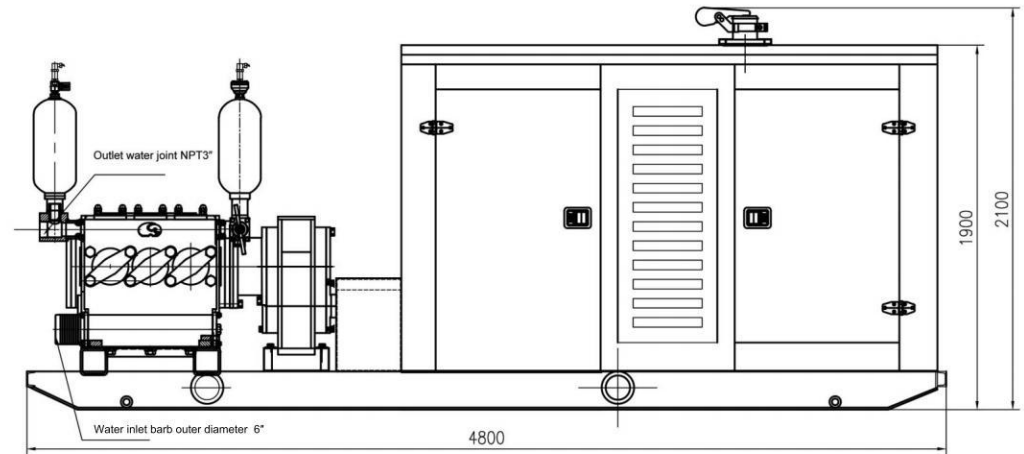
CBW-2000 reciprocating pump is a horizontal triplex reciprocating single-acting plunger pump, driven by diesel engine and equipped with automatic shift gearbox and wireless remote control. It is mainly used in conjunction with non-excavating drilling rigs of about 220 tons, and can also be used for grouting, mine drainage, long-distance water delivery and other purposes. The pump has five flow rates and five pressures, with a wide range of flow rate and pressure changes, which can be suitable for drilling and backfilling of different aperture sizes. The design adopts new concepts, new structures, new materials, and new processes. It has a compact structure, light weight, small size, and beautiful appearance, and is easy to install and maintain. It has the characteristics of high output pressure, long service life of vulnerable parts, and stable performance.

Horizontal triplex reciprocating single acting piston pump					
Stroke (mm)	150				
Cylinder diameter (mm)	155				
Flow (L/min)	2000	1500	1140	760	500
Pressure (MPa)	4	5.4	7	9	10.5
Input speed (r/min)	162				
Dimensions (mm)	4800 × 2100 × 2100				
Weight (kg)	6050				
Diesel engine model	QSC8.3-C260				
Diesel Engine Power (kw)	194				
Rated speed (r/min)	1700				

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.



CBW-2000 Outline Dimension Drawing



CBWH-2000 (Diesel engine power)

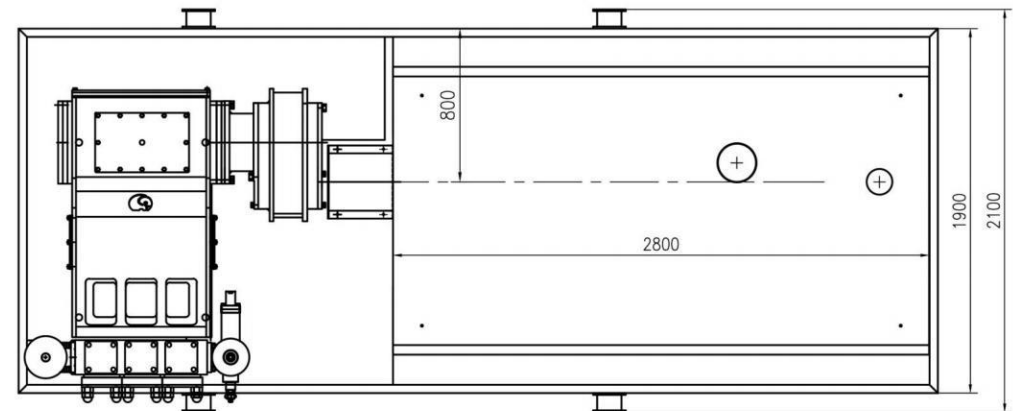
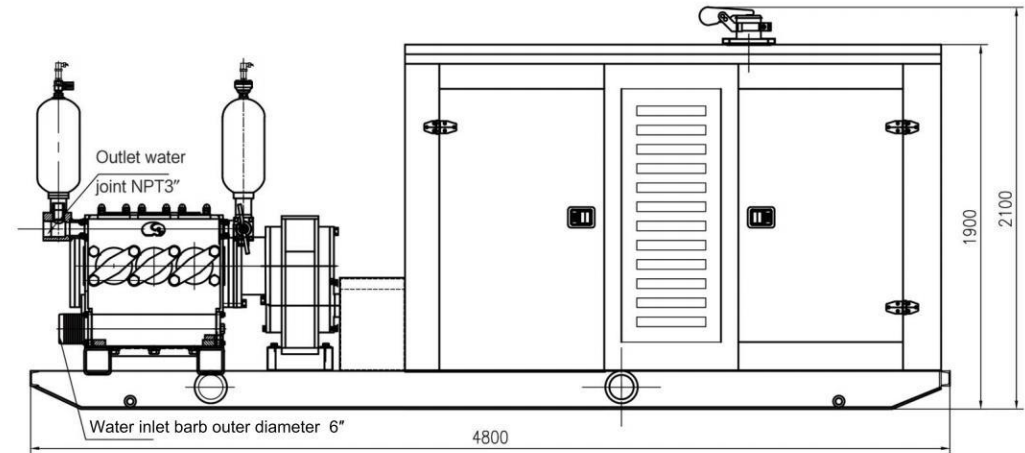


The CBWH-2000 reciprocating pump is a horizontal triplex reciprocating single-acting piston pump that is powered by a diesel engine and equipped with an automatic transmission gearbox and wireless remote control. It is mainly used to complement non-excavation drilling rigs weighing around 220 tons, but can also be used for other purposes such as grouting, mine drainage, and long-distance water delivery. The pump has five flow and pressure settings with a wide range of variations, which can accommodate different drill and backflow hole sizes. In design, new concepts, structures, materials, and techniques are adopted to make the pump compact, lightweight, small in size, and aesthetically pleasing. Installation and maintenance are convenient, and the pump features high output pressure, long-lasting vulnerable parts, and stable performance.

Horizontal triplex reciprocating single acting piston pump					
Stroke (mm)	150				
Cylinder diameter (mm)	165				
Flow (L/min)	2000	1500	1140	760	500
Pressure (MPa)	4	5.4	7	10	10
Rated speed (r/min)	162				
Dimensions (mm)	4800 × 2100 × 2100				
Weight (kg)	6050				
Diesel engine model	QSC8.3-C260				
Diesel Engine Power (kW)	194				
Rated speed (r/min)	1500				

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

CBWH-2000 Outline Dimension Drawing



CBW-2200 (Diesel engine power)

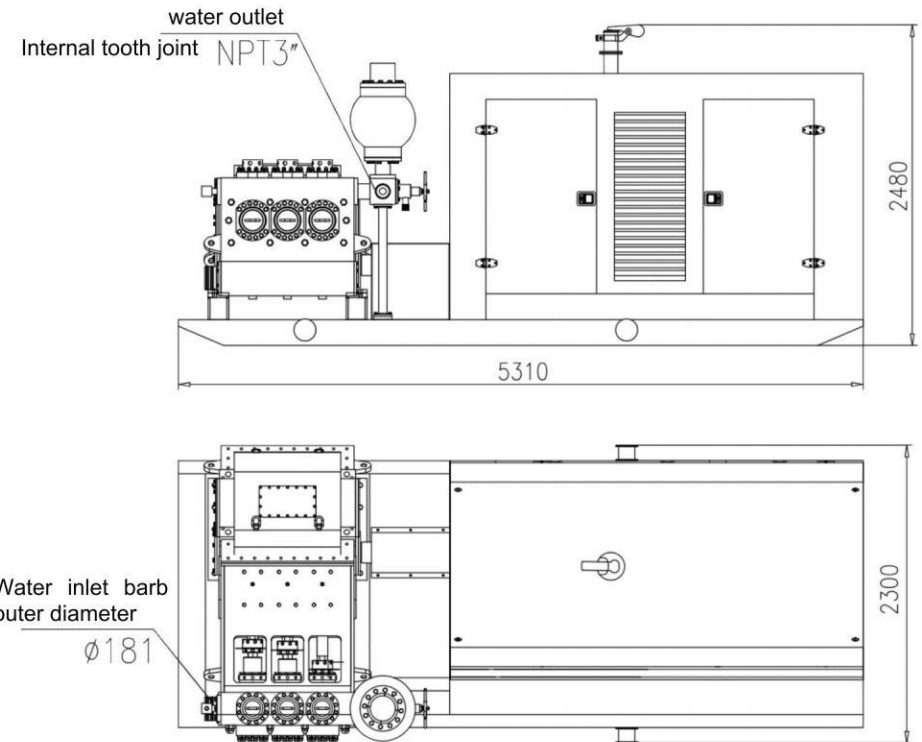


The CBW-2200 reciprocating pump is a horizontal triplex single-acting reciprocating plunger pump driven by a diesel engine, equipped with an automatic transmission, wireless remote control, primarily used in conjunction with non-excavation drilling machines of about 300 tons. It can also be used for other purposes such as grouting, mine drainage, long-distance water delivery, etc. The pump has six flow rates and six pressures, with a wide range of flow and pressure changes to adapt to different drill bit diameters and backflow. Its design incorporates new concepts, new structures, new materials, and new processes, with a compact structure, light weight, small size, and attractive appearance. It is easy to install and maintain, with high output pressure, long service life of vulnerable parts, and stable performance.

Horizontal triplex reciprocating single acting piston pump						
Stroke (mm)	200					
Cylinder diameter (mm)	140					
Flow (L/min)	2200	1700	1200	900	650	500
Pressure (MPa)	5	6.5	9	12	17	20
Input speed (r/min)	220					
Dimensions (mm)	5310 × 2300 × 2480					
Weight (kg)	12500					
Diesel engine model	YC6MK420-T30					
Diesel Engine Power (KW)	281					
Rated speed (r/min)	1800					

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

CBW-2200 Outline Dimension Drawing





CBW-2500 (Diesel engine power)



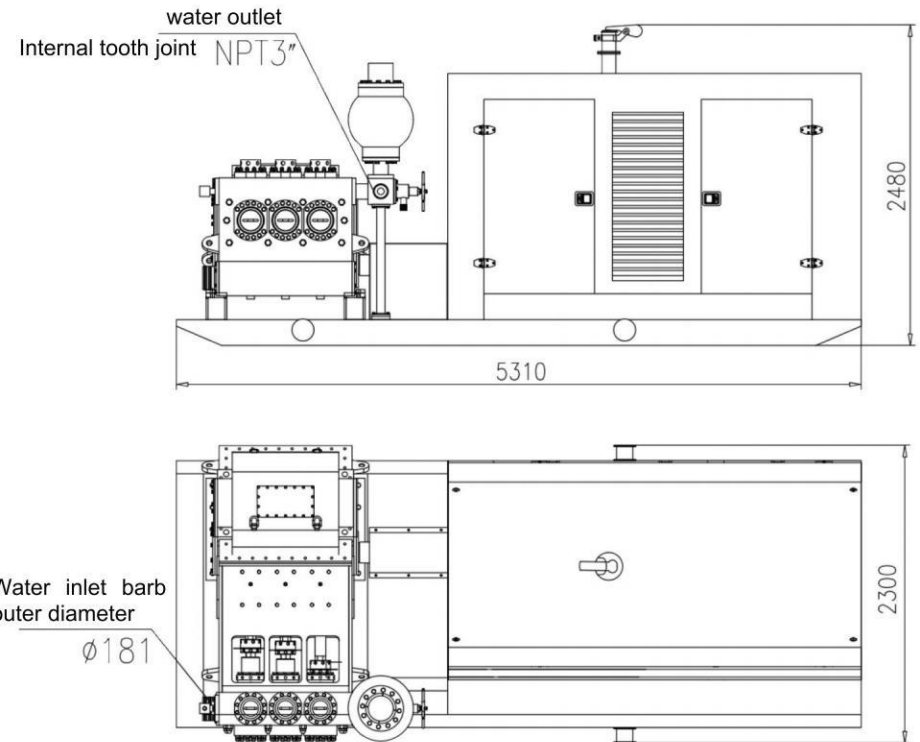
The CBW-2500 reciprocating pump is a horizontal, triplex, single-action reciprocating plunger pump that is powered by a diesel engine and has an automatic transmission gearbox and wireless remote control. It is mainly used in conjunction with non-excavation drilling rigs of around 350 tons, but can also be used for other purposes such as grouting, mine drainage, and long-distance water transfer. The pump has six flow rates and six pressures with a wide range of variation, making it suitable for different drilling diameters and backflushing. It employs new concepts, structures, materials, and processes in its design, making it compact, lightweight, and aesthetically pleasing. It is easy to install and maintain, has a high output pressure, a long service life for vulnerable parts, and stable performance.

Horizontal triplex reciprocating single acting piston pump						
Stroke (mm)	200					
Cylinder diameter (mm)	140					
Flow (L/min)	2500	1845	1330	990	730	539
Pressure (MPa)	4.6	6	8	11	15	19
Input speed (r/min)	230					
Dimensions (mm)	5310×2300×2480					
Weight (kg)	12900					
Diesel engine model	QSZ13-C400					
Diesel Engine Power (KW)	298					
Rated speed (r/min)	1800					

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.



CBW-2500 Outline Dimension Drawing



CBWH-2500 (Diesel engine power)

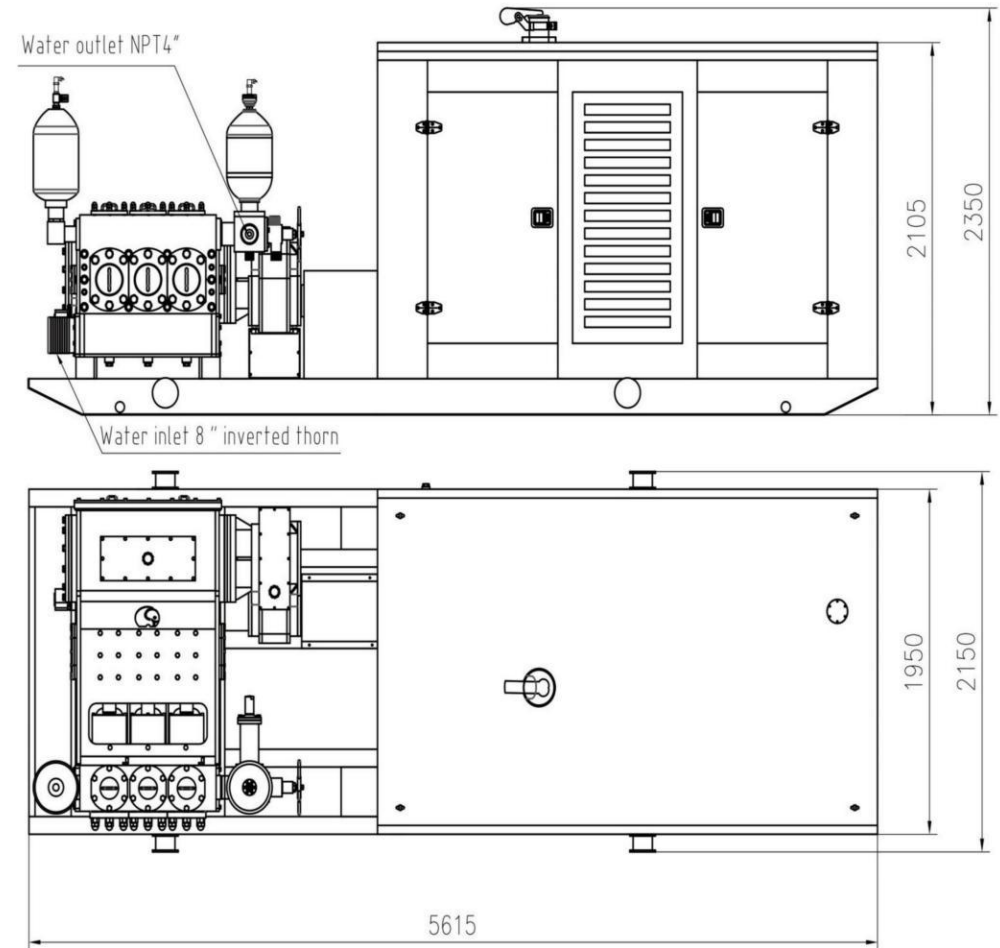


The CBWH-2500 reciprocating pump is a horizontal triplex reciprocal single-acting piston pump, which is driven by a diesel engine and equipped with an automatic transmission, remote wireless control. It is mainly used in conjunction with non-excavation drilling rigs of about 400 tons, and can also be used for other purposes such as grouting, mine drainage, and long-distance water delivery. The pump has five flow rates and five pressures, with a wide range of changes in flow rate and pressure, making it suitable for drilling and back dragging of different hole diameters. In its design, new concepts, structures, materials, and processes are used to make it compact, lightweight, small in size, aesthetically appealing, and easy to install and maintain. It features high output pressure, long service life of vulnerable parts, and stable performance.

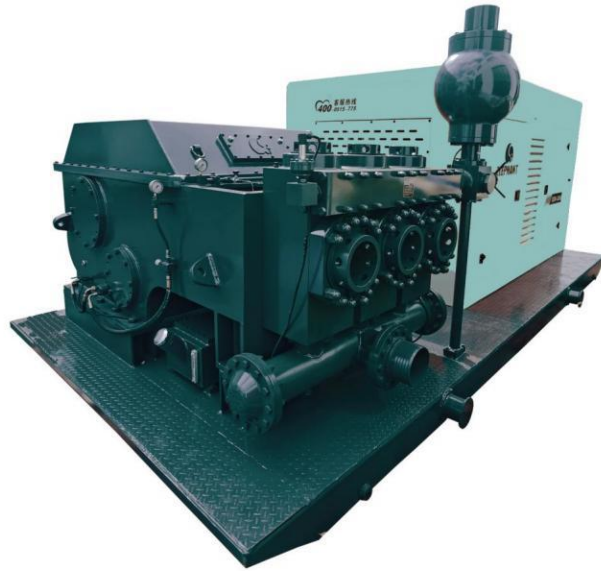
Horizontal triplex reciprocating single acting piston pump					
Stroke (mm)	160				
Cylinder diameter (mm)	190				
Flow (L/min)	2500	1809	1346	989	734
Pressure (MPa)	5	6	7	8	10
Rated power (kw)	250				
Dimensions (mm)	5615 × 2150 × 2350				
Weight (kg)	9500				
Diesel engine model	QSM11-P476				
Diesel Engine Power (KW)	330				
Rated speed (r/min)	1500				

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

CBWH-2500 Outline Dimension Drawing



CBW-2800 (Diesel engine power)



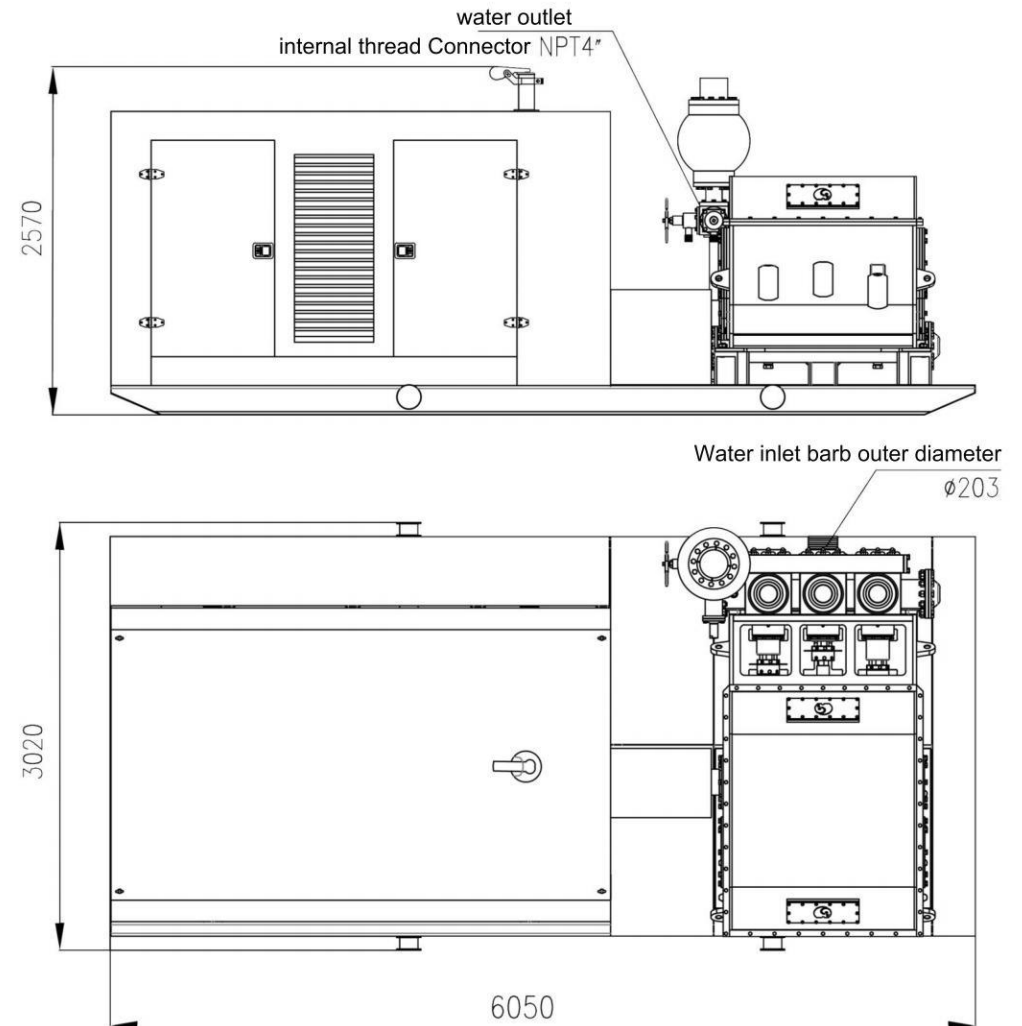
The CBW-2800 reciprocating pump is a horizontal triplex reciprocating single-acting plunger pump, driven by a diesel engine, equipped with an automatic transmission and wireless remote control. It is mainly used for matching with non-excavation drilling rigs of around 500 tons, and can also be used for other purposes such as grouting, mine drainage, and long-distance water delivery. The pump has five flow rates and five pressure settings, with a wide range of flow and pressure changes, and can be used for drilling and recovery of different diameters. It adopts new concepts, new structures, new materials, and new technologies in its design, with a compact structure, light weight, small size, and beautiful appearance. It is easy to install and maintain, with high output pressure, long service life of vulnerable parts, and stable performance.

Horizontal triplex reciprocating single acting piston pump

Stroke (mm)	190
Cylinder diameter (mm)	160
Flow (L/min)	2800 2029 1504 1105 760
Pressure (MPa)	5 7 9 12 18
Input speed (r/min)	320
Dimensions (mm)	6050 × 3020 × 2570
Weight (kg)	16000
Diesel engine model	QSZ13-C550
Diesel Engine Power (KW)	410
Rated speed (r/min)	1850

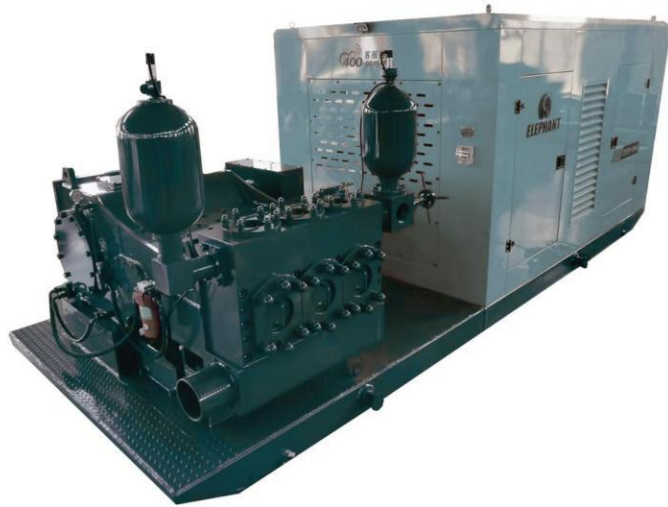
The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

CBW-2800 Outline Dimension Drawing





CBWH-3000 (Diesel engine power)



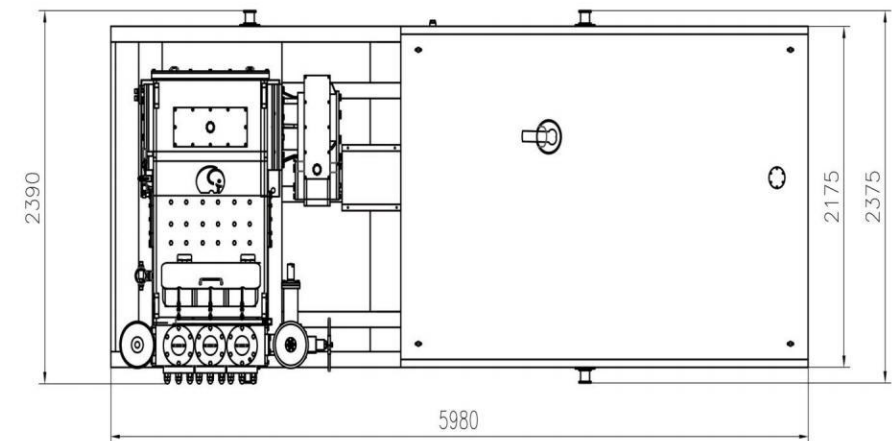
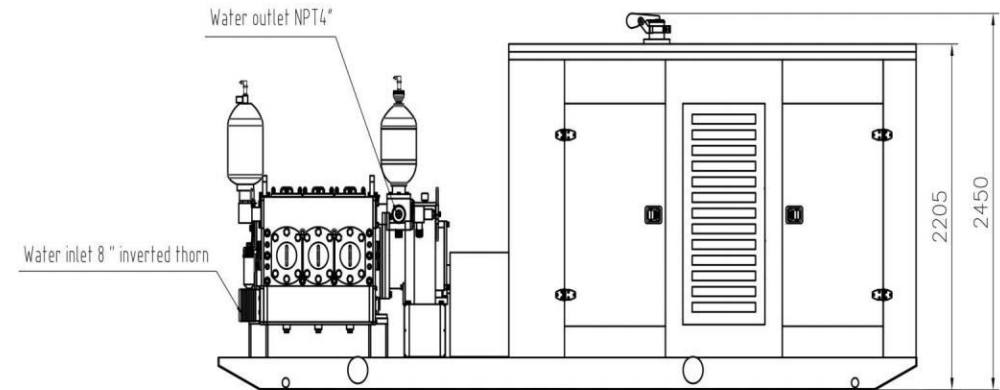
The CBWH-3000 reciprocating pump is a horizontal, triplex, single-acting piston pump that is driven by a diesel engine and equipped with an automatic transmission and wireless remote control. It is mainly used in conjunction with non-excavation drilling machines weighing around 500 tons, as well as for other purposes such as injection grouting, mine discharge, and long-distance water delivery. The pump has five flow rates and five pressures, with a wide range of flow and pressure variations that can be adapted to different borehole diameters for drilling and backfilling. The design incorporates new concepts, new structures, new materials, and new processes; it has a compact structure, light weight, small size, and attractive appearance, as well as easy installation and maintenance. The pump also features high output pressure, long service life of vulnerable parts, and stable performance.

Horizontal triplex reciprocating single acting piston pump					
Stroke (mm)	175				
Cylinder diameter (mm)	200				
Flow (L/min)	3000	2452	1818	1340	818
Pressure (MPa)	5	6	8	10	10
Rated power (kw)	320				
Dimensions (mm)	5980 × 2390 × 2450				
Weight (kg)	11000				
Diesel engine model	QSZ13-C550				
Diesel Engine Power (KW)	410				
Rated speed (r/min)	1500				

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.



CBWH-3000 Outline Dimension Drawing



CBW-3200



The CBW-3200 reciprocating pump is a horizontal triplex reciprocating single-acting plunger pump, driven by a diesel engine and equipped with an automatic gear-shifting transmission and wireless remote control. It is primarily designed for use with 500-ton trenchless drilling rigs but can also be employed for other applications such as grouting, mine drainage, and long-distance water delivery. This pump offers five flow rates and five pressure levels, with a wide range of adjustments to accommodate different borehole diameters during drilling and pipe pulling. Its design incorporates innovative concepts, utilizing new structures, materials, and manufacturing techniques. The pump features a compact structure, lightweight construction, small footprint, and aesthetically pleasing appearance. It is easy to install and maintain, while delivering high output pressure, extended service life for wear-prone components, and stable performance.

Horizontal triplex reciprocating single acting piston pump

Stroke(mm)	200				
Plunger diameter(mm)	170				
Gear diameter	1	2	3	4	5
Pump speed(r/min)	65	95	129	174	236
Flow(L/min)	885	1293	1752	2364	3200
Pressure(Mpa)	12	10	8	6	4.8
Rated power(Kw)	320				
Maximum input torque(N·m)	10800				
Dimensions(mm)	6120 × 2790 × 2450				
Weight(kg)	13000				
Power unit	Cummins QSZ13-C550-30 Diesel Engine				
Maximum power(Kw)	410				
Rated speed(r/min)	1900				

The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

CBW-3200 Outline Dimension Drawing

