Disclaimer:
Due to continuous technological updates, materials and technical specificati ons 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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ELEPHANT



Reciprocating Pumps

Mud Pump Series

Convenient · Reliable · Efficient · Intelligent

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■ Company Profile

Elephant Machinery Co., Ltd. (hereinafter referred to as Elephant Machinery), founded in 2008 and covering an area of 20,000 square meters, is a comprehensive enterprise integrating the R&D, manufacturing, sales, and service of reciprocating pumps across all application fields. The company holds multiple invention patents and has obtained certifications including API Q1 Quality Management System, ISO 9001 Quality Management System, ISO 14001 Environmental Management System, Enterprise Intellectual Property Management System, Enterprise Integrity Management System, After-Sales Service Evaluation System, Green Factory, Five-Star Green Supply Chain Rating, AAA Corporate Credit Evaluation, and EU CE Certification. It has been recognized as a National High-Tech Enterprise, Jiangsu Provincial "Specialized and Sophisticated" Enterprise, and Jiangsu Provincial Advanced-Level Intelligent Factory.

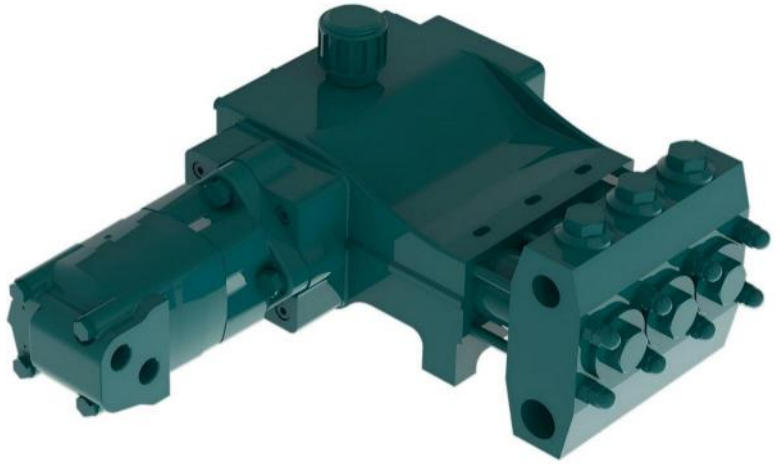
Elephant Machinery specializes in the production of reciprocating plunger pumps, piston pumps, and diaphragm pumps, with designs and manufacturing processes conforming to Chinese national standards GB/T9234-2018 and GB/T7784-2018, as well as international standards API 674, API 675, and ISO 13710:2004, covering flow and pressure requirements across a wide range of applications. Our products are suitable for industries including oilfield water injection and pressurization, chemical media transfer, pharmaceutical precise metering, trenchless directional drilling, mining and geothermal drilling, coal mine fracturing and grouting, environmental wastewater treatment, high pressure water jetting, and food and beverage processing, delivering stable and reliable performance.

Elephant Machinery's products mainly consist of three series: plunger pumps, piston pumps, and diaphragm pumps, with power configurations including hydraulic motors, electric motors, and diesel engines. By adopting new technologies, new materials, and new processes, combined with advanced machining and testing equipment, our products feature compact structure, light weight, small footprint, appealing appearance, stable performance, long service life of wearing parts, and easy installation and maintenance.



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BW-35/5



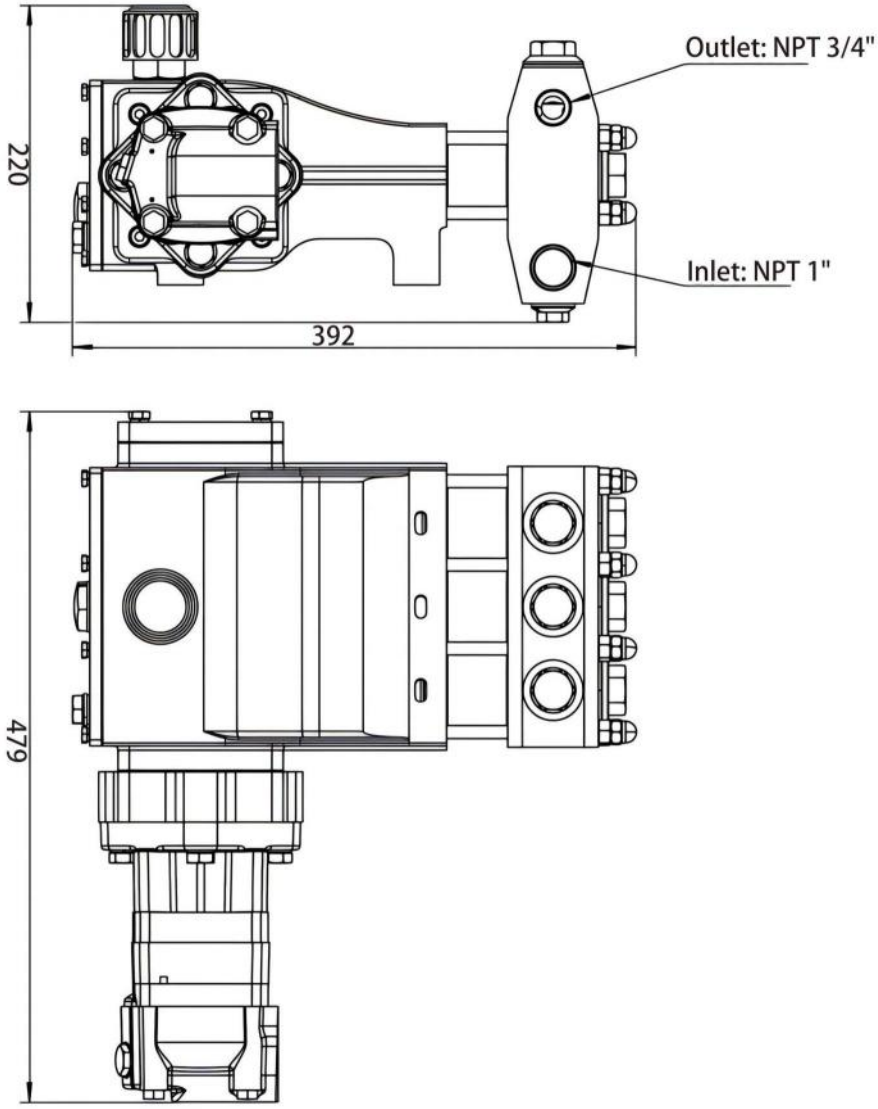
The BW-35/5 reciprocating pump is a horizontal triplex single-acting piston pump driven by a hydraulic motor. It is primarily designed for use with trenchless drilling rigs of around 10 tons, and can also be applied in grouting, mine dewatering, and long-distance water supply applications. The pump is adaptable to different borehole diameters and pullback operations. The design incorporates new concepts, structures, materials, and processes, resulting in a compact, lightweight, and aesthetically pleasing unit. The pump body, crankshaft, connecting rod, crosshead, pump head, and related components are designed with high series and interchangeability for easy installation and maintenance. It features long wearing part life and high reliability.

Horizontal triplex reciprocating single acting piston pump	
Stroke（mm）	30
Cylinder Diameter（mm）	40
Pump Speed (r/min)	315
Flow Rate (L/min)	35
Pressure (MPa)	5
Power (kW)	3.5
Overall Dimensions (mm)	496×385×214
Weight (kg)	49
Hydraulic Motor Model	2K-100 (Eaton)

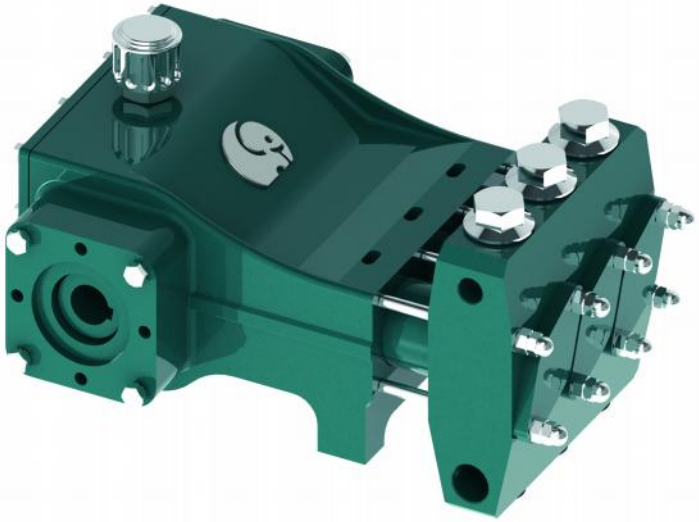
The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

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BW-35/5 Outline Dimension Drawing



BW-75Q（Hydraulic Motor Driven）

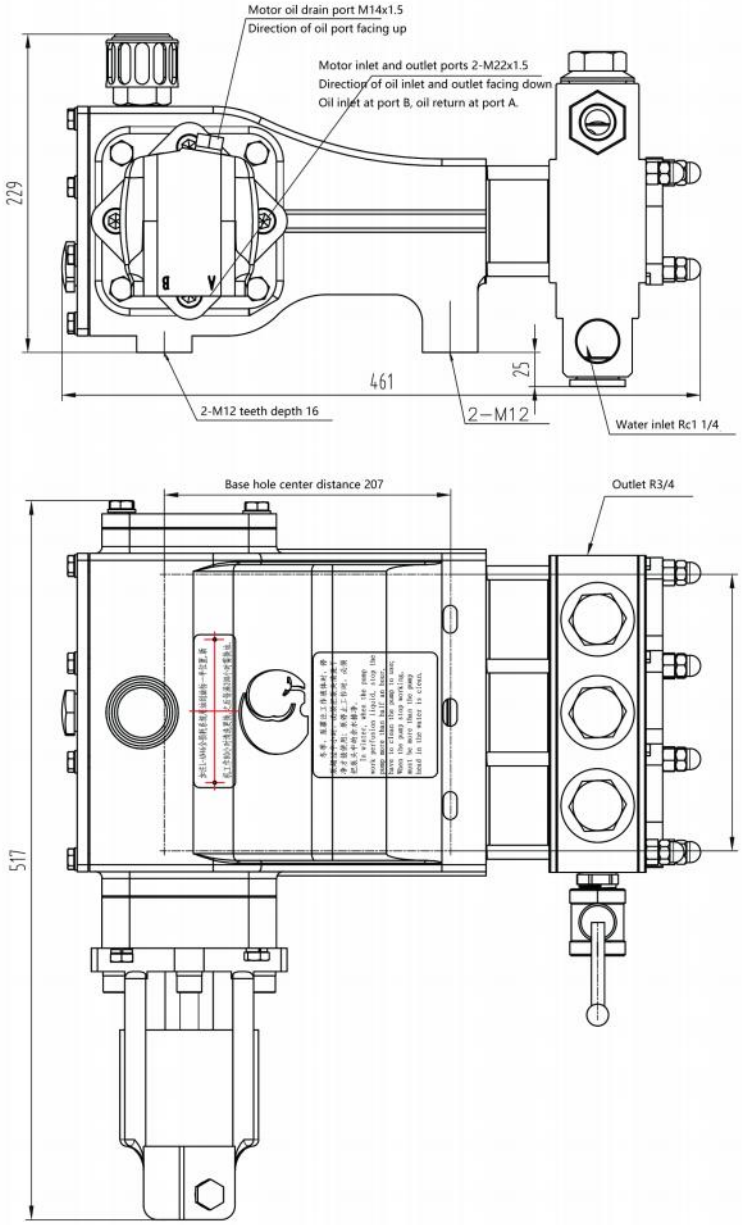


The BW-75Q reciprocating pump is a horizontal triplex reciprocating single-acting piston pump driven by a hydraulic motor. It is mainly used for portable rock core drilling machines and can also be used for other applications such as grouting, mine drainage, and long-distance water transportation. The 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.

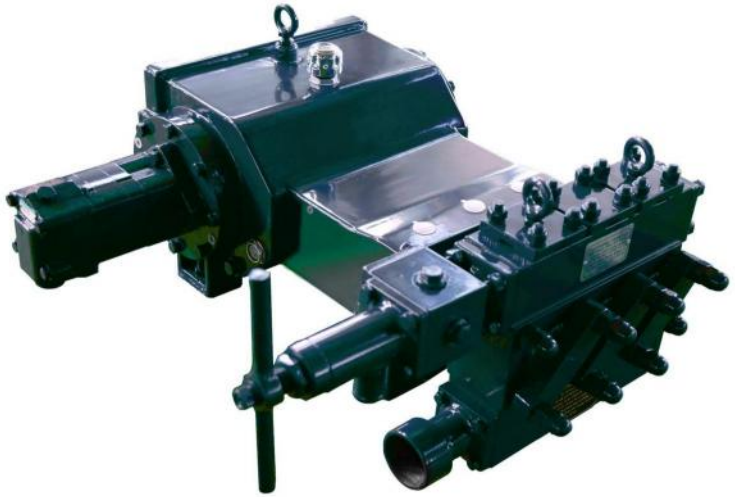
Horizontal triplex reciprocating single acting piston pump	
Stroke（mm）	40
Cylinder diameter（mm）	50
Flow（L/min）	75
Pressure（MPa）	6
Input speed（r/min）	320
Input power（KW）	9
Dimensions（mm）	461×517×254
Weight（kg）	72
Hydraulic motor model	2K604-0043
Hydraulic motor pressure（MPa）	17
Maximum motor flow（L/min）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

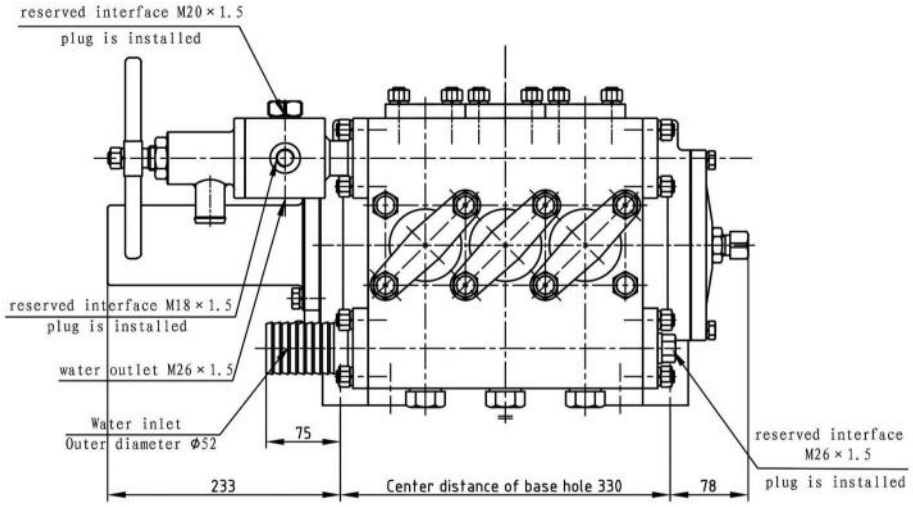


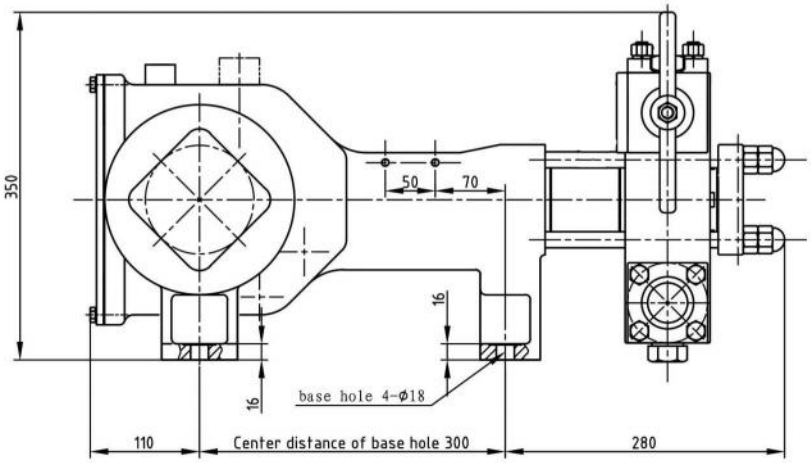
The BW-100 reciprocating pump is a horizontal triplex reciprocating single-acting piston pump driven by a hydraulic motor. It is mainly used in conjunction with non-excavation drilling machines of around 10 tons, and can also be used for grouting, mine drainage, long-distance water delivery, and other 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





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BW-100Q（Hydraulic Motor Driven）



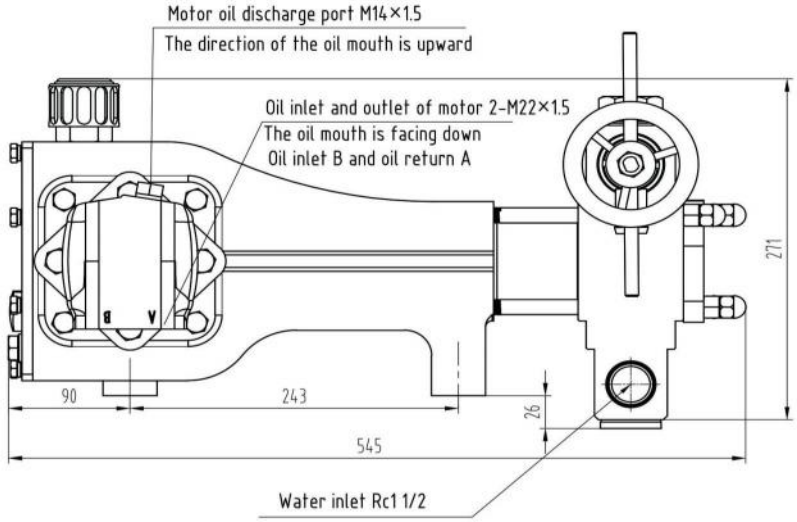
The BW-100Q reciprocating pump is a horizontal triplex reciprocating single-acting piston pump that is hydraulically driven. It is mainly used in conjunction with non-excavation drilling machines of about 10 tons, but can also be used for other purposes such as grouting, mine drainage, and long-distance 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.

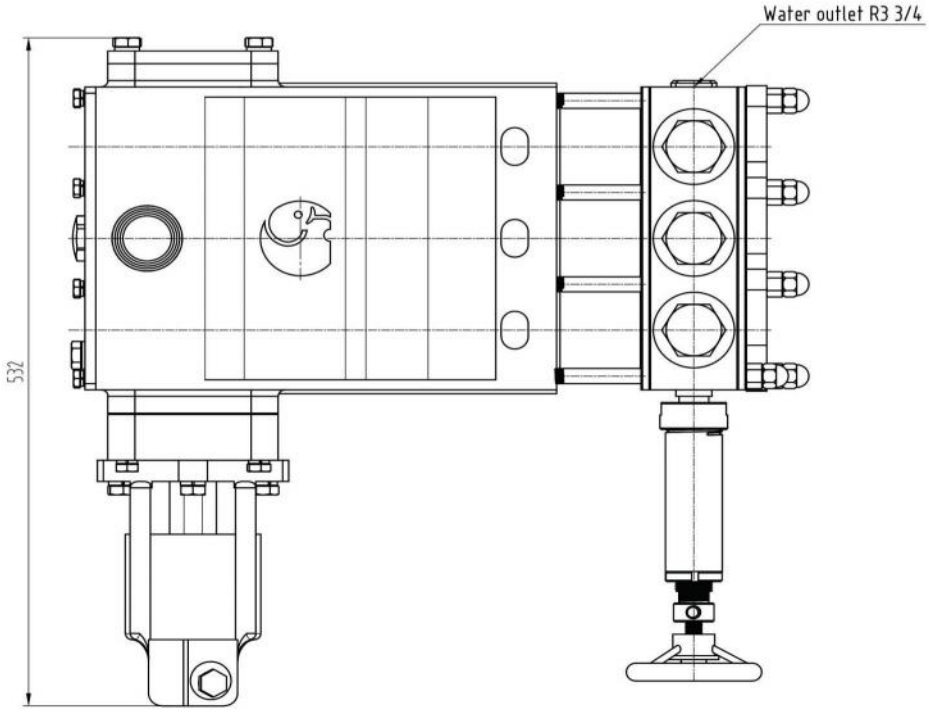
Horizontal triplex reciprocating single acting piston pump	
Stroke（mm）	48
Cylinder diameter（mm）	55
Flow（L/min）	100
Pressure（MPa）	7
Input speed（r/min）	295
Input power（KW）	13
Dimensions（mm）	545×532×285
Weight（kg）	90
Hydraulic motor model	2K604-0045
Hydraulic motor pressure（MPa）	17
Maximum motor flow（L/min）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

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

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BW-100Q Outline Dimension Drawing





BW-105Q

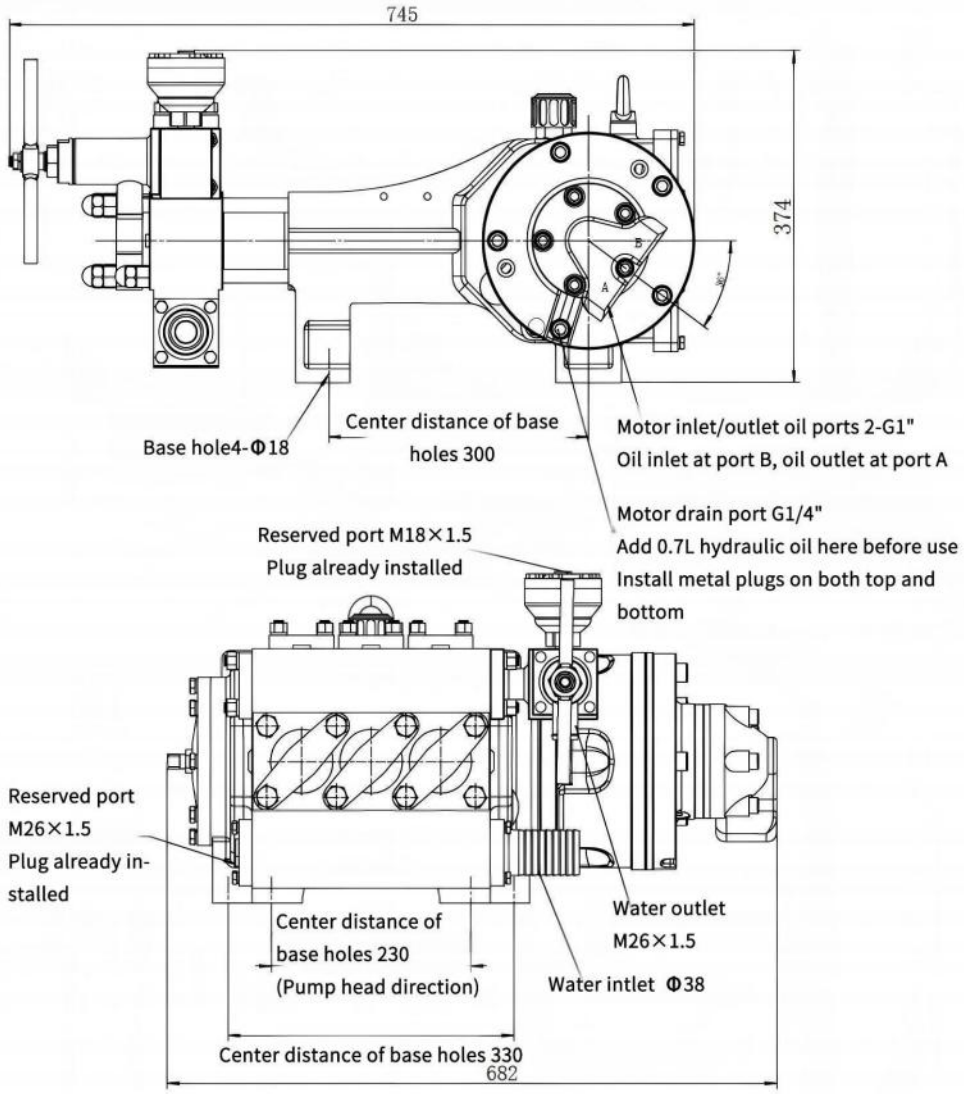


The BW-105Q reciprocating pump is a horizontal triplex single-acting piston pump driven by a hydraulic motor. Primarily designed for use with approximately 12-ton trenchless drilling rigs, it can also serve other applications such as grouting, mine drainage, long-distance water delivery, and geological exploration. Featuring stepless speed regulation via the hydraulic motor, this pump accommodates drilling and back-hauling operations across various 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. The pump body, crankshaft, connecting rod, crosshead, pump head, and related components are standardized and interchangeable for easy installation and maintenance. Wear parts exhibit extended service life and high reliability.

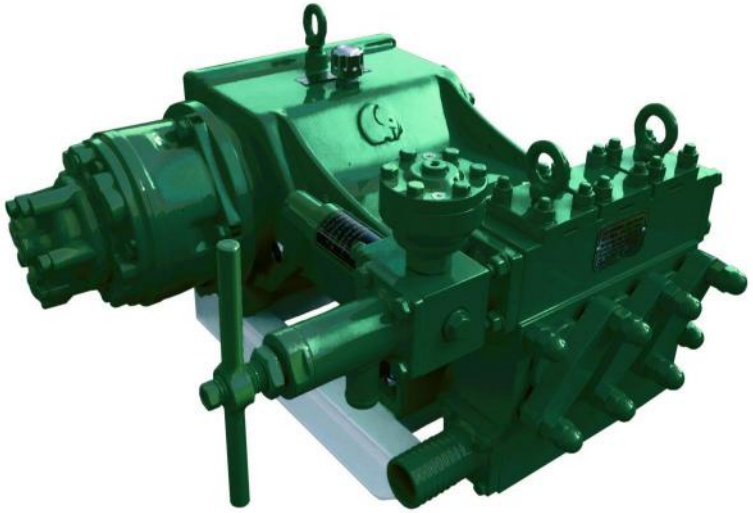
Horizontal triplex reciprocating single acting piston pump	
Stroke(mm)	60
Cylinder diameter(mm)	50
Pump speed(r/min)	300
Flow(L/min)	105
Pressure(Mpa)	10
Input power(kw)	20.2
Dimensions(mm)	745 × 682 × 377
Weight(kg)	175
Motor model	1–250
Hydraulic motor pressure(Mpa)	20
Maximum motor flow(L/min)	80

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

BW-105Q Outline Dimension Drawing



BW-150Q (Hydraulic Motor Driven)

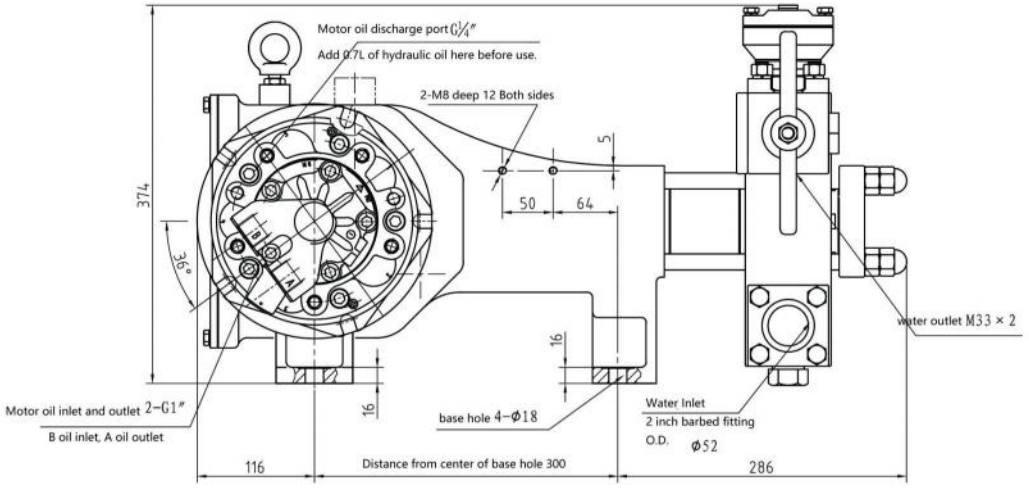


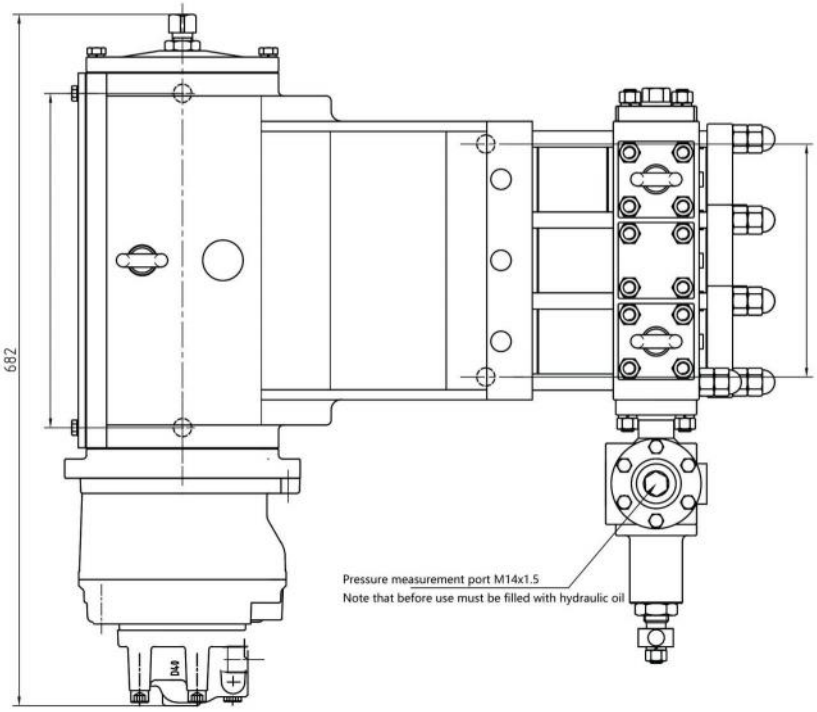
The BW-150Q reciprocating pump is a horizontal triplex reciprocating single-acting piston pump driven by a hydraulic motor. It is mainly used with non-excavation drilling rigs of around 12 tons, and can also be used for other purposes such as injection, mine drainage, long-distance water transfer, and 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)

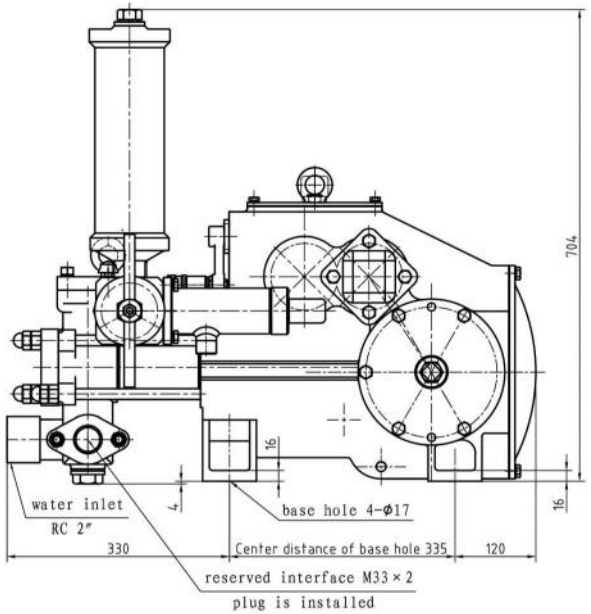


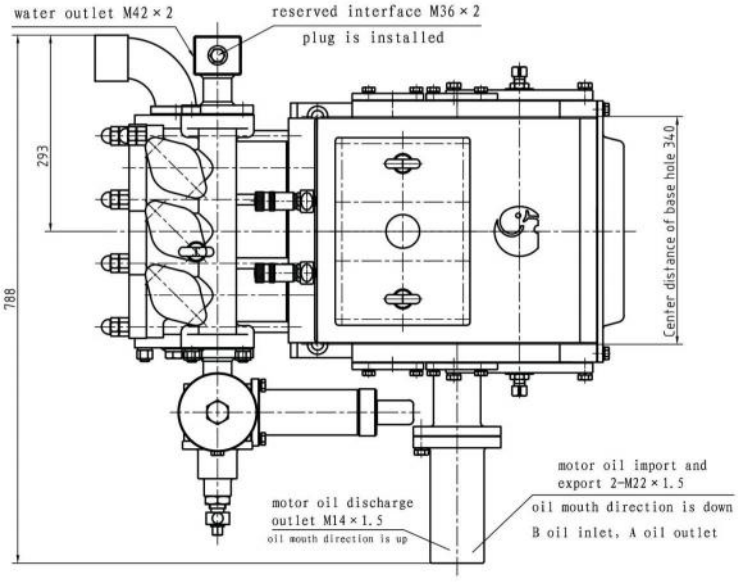
The BW-160 reciprocating pump is a horizontal triplex reciprocating single-acting piston pump that is driven by a hydraulic motor. It is mainly used in conjunction with non-excavation drilling rigs of around 15 tons, but can also be used for other purposes such as grouting, mine wastewater discharge, 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			

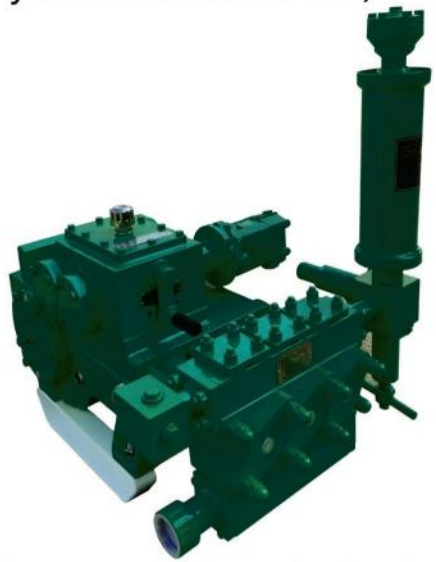
The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

BW-160 Outline Dimension Drawing





BW-180 (Hydraulic Motor Driven)

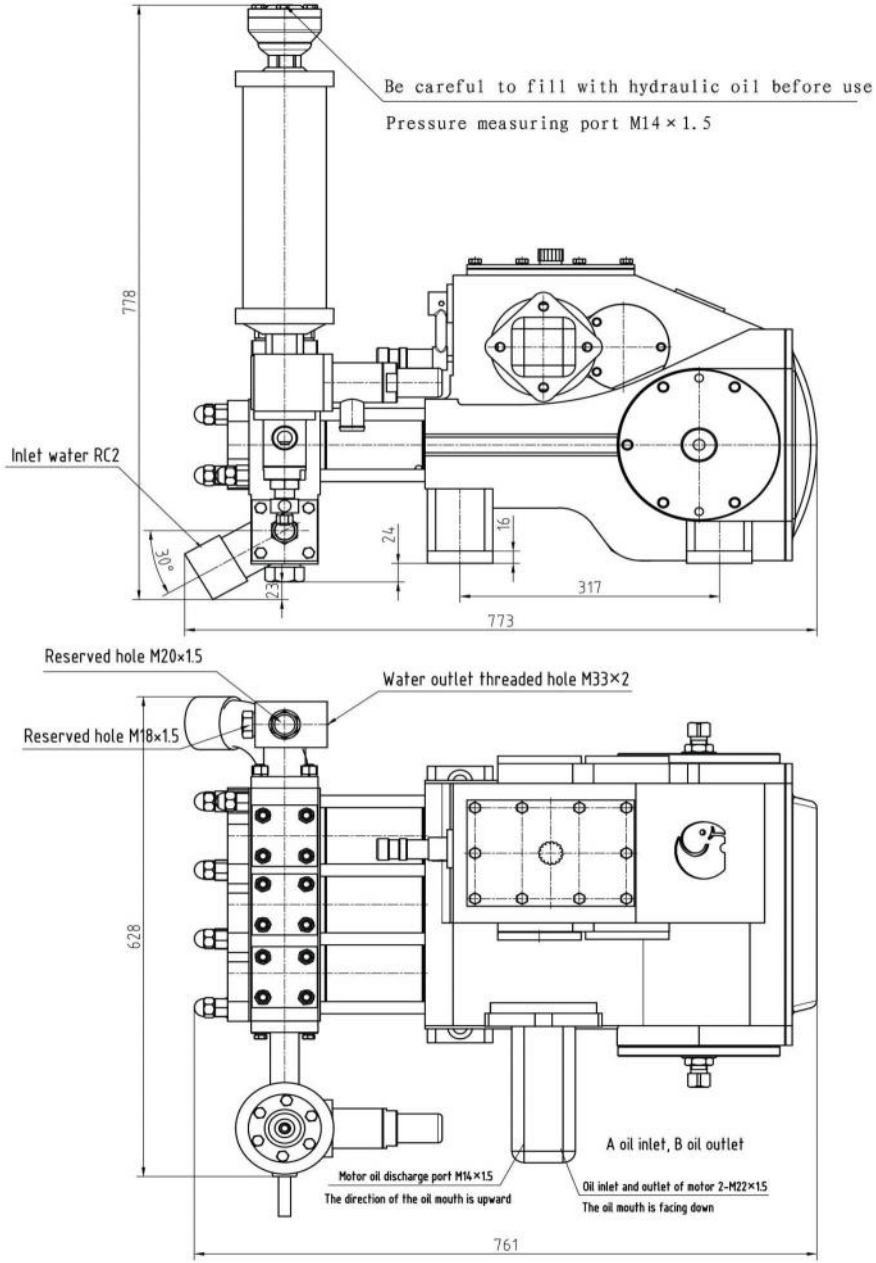


The BW-180 reciprocating pump is a horizontal, triplex, reciprocating, single-acting piston pump that is driven by a hydraulic motor. It is mainly used in conjunction with non-excavation drilling machines weighing around 18 tons, and can also be used for other purposes such as grouting, mine drainage, 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



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BWF-250（Hydraulic Motor Driven）



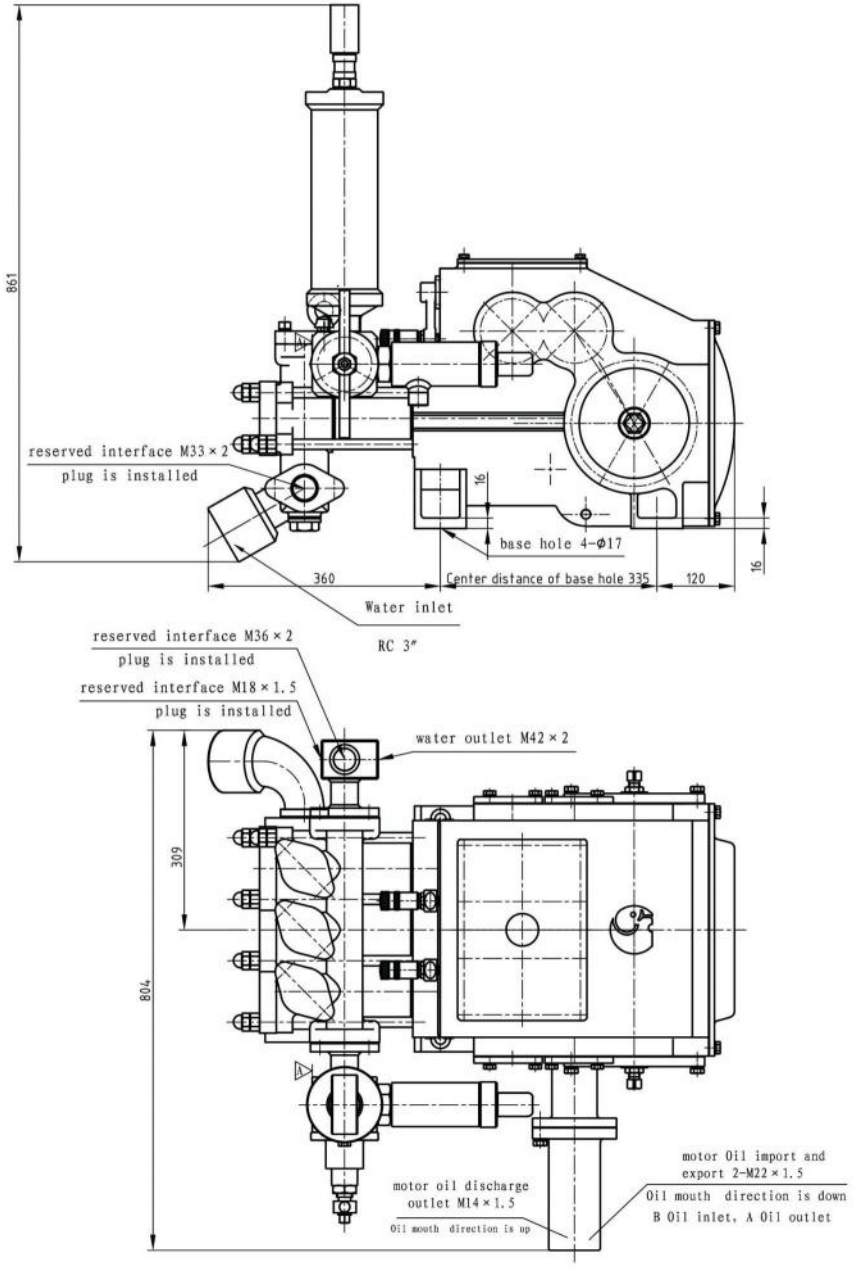
The BWF-250 reciprocating pump is a horizontal triplex reciprocating single-acting piston pump, driven by a hydraulic motor. It is mainly used in conjunction with excavators of about 25 tons for non-excavation drilling, and can also be used for other applications such as grouting, mining drainage, and 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			

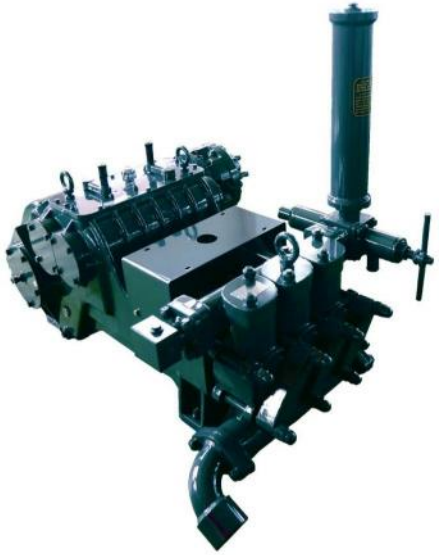
The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

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BWF-250 Outline Dimension Drawing



BW-320 (Hydraulic Motor Driven)

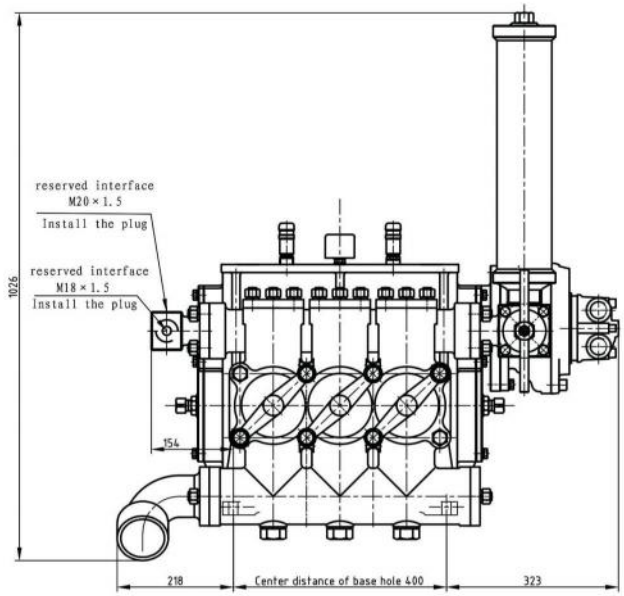


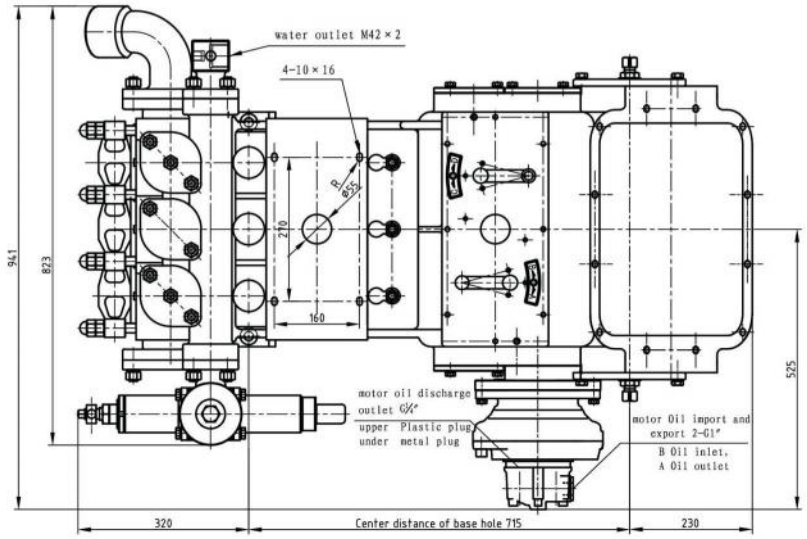
The BW-320 reciprocating pump is a horizontal triplex reciprocating single-acting plunger pump, driven by a hydraulic motor. It is mainly used in conjunction with non-excavation drill rigs of around 35 tons, as well as for other purposes such as grouting, mine drainage, and long-distance water transport. 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 plunger 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





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BWF-320



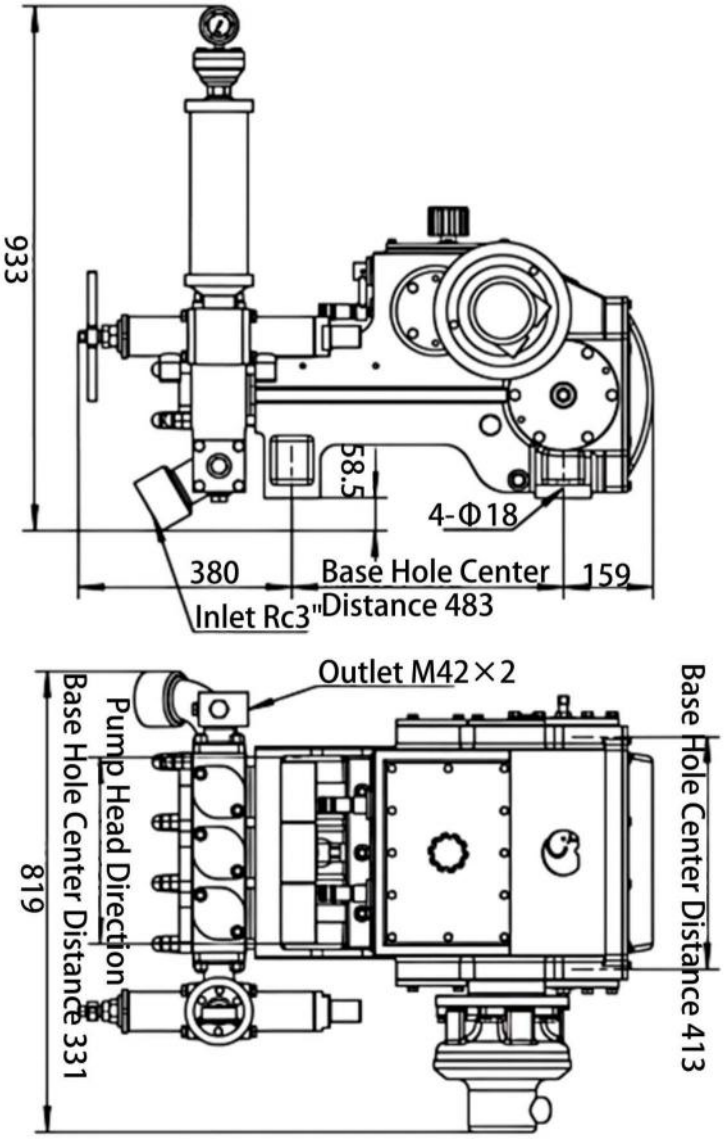
The BWF-320 reciprocating pump is a horizontal triplex single-acting piston pump driven by a hydraulic motor. It is primarily designed for use with trenchless drilling rigs of around 35 tons, and can also be applied in grouting, mine dewatering, and long-distance water supply applications. The pump offers four flow settings and four pressure settings, providing a wide range of flow and pressure variations to suit different borehole diameters and pullback operations. The design incorporates new concepts, structures, materials, and processes, resulting in a compact, lightweight, and aesthetically pleasing unit. The pump body, crankshaft, connecting rod, crosshead, pump head, and related components are designed with high series and interchangeability for easy installation and maintenance. It features long wearing part life and high reliability.

Horizontal triplex reciprocating single acting piston pump				
Stroke（mm）	75			
Cylinder Diameter（mm）	85			
Flow Rate (L/min)	320	206	151	98
Pressure (MPa)	2.5	3.9	5.2	8
Input Speed (r/min)	515			
Input Power (kW)	16			
Dimensions (mm)	1022×819×933			
Weight (kg)	430			
Hydraulic Motor Model	LM1-150			
Hydraulic Motor Pressure (MPa)	20			
Max. Motor Flow Rate (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.

ELEPHANT

BWF-320 Outline Dimension Drawing



BW-400 (Hydraulic Motor Driven)

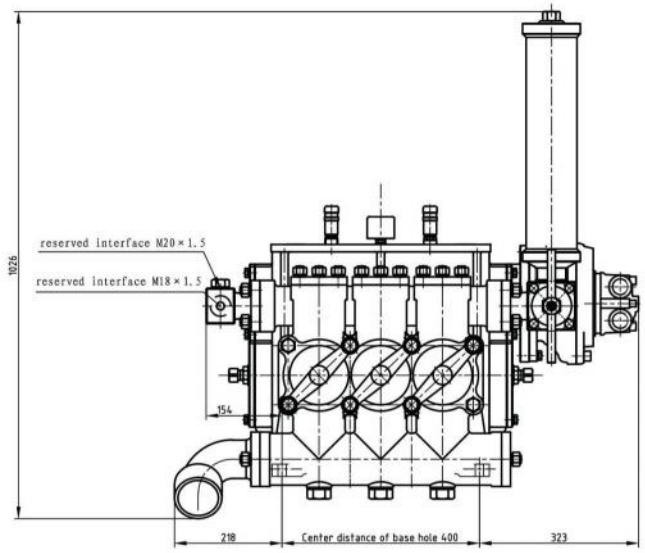


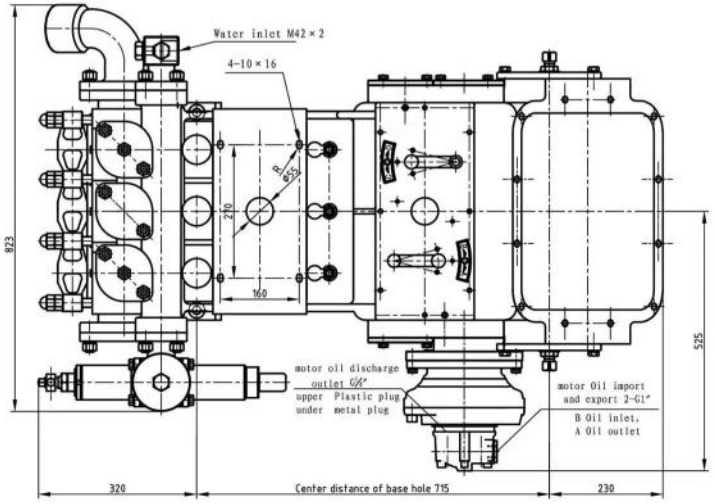
The BW-400 reciprocating pump is a horizontal triplex reciprocating single-acting plunger pump that is driven by a hydraulic motor. It is mainly used in conjunction with non-excavation drilling rigs of around 40 tons, and can also be used for grouting, mine drainage and long-distance water delivery in 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 plunger 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			

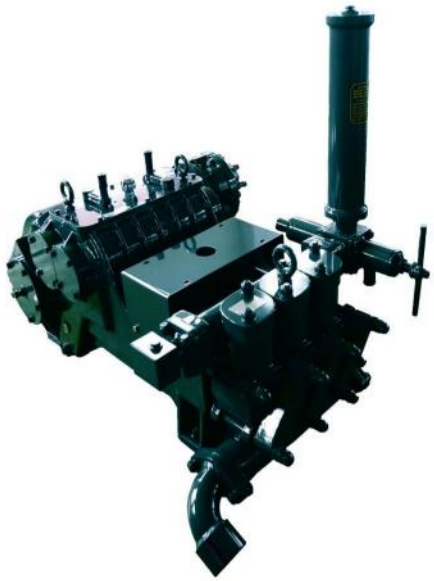
The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

BW-400 Outline Dimension Drawing





BWF-400 (Hydraulic Motor Driven)

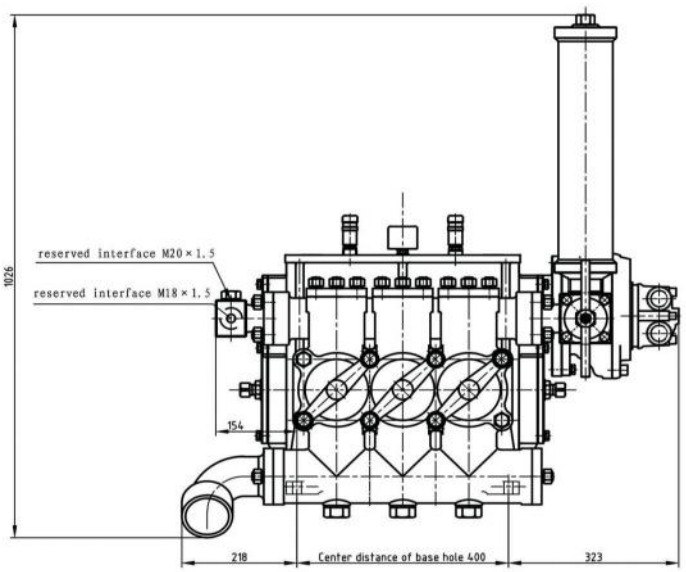


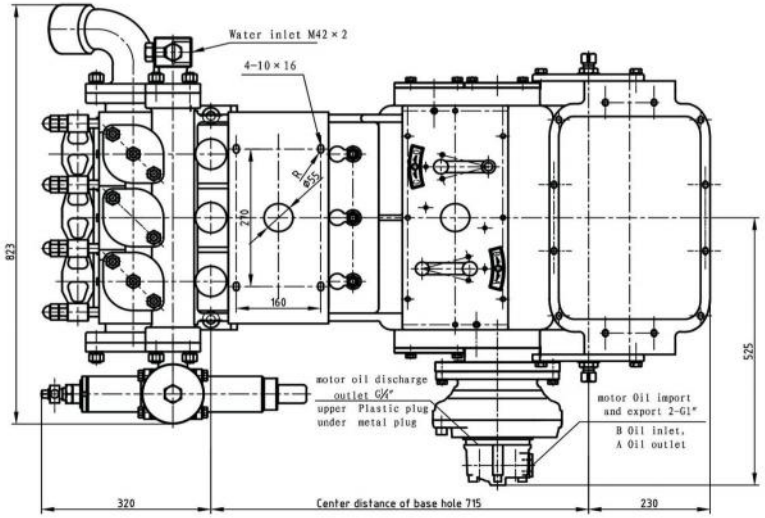
The BWF-400 reciprocating pump is a horizontal triplex reciprocating single-acting plunger pump driven by a hydraulic motor. It is mainly used in conjunction with non-excavation drilling rigs of around 40 tons, and can also be used for other purposes such as grouting, mine drainage, and long-distance 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 plunger 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			

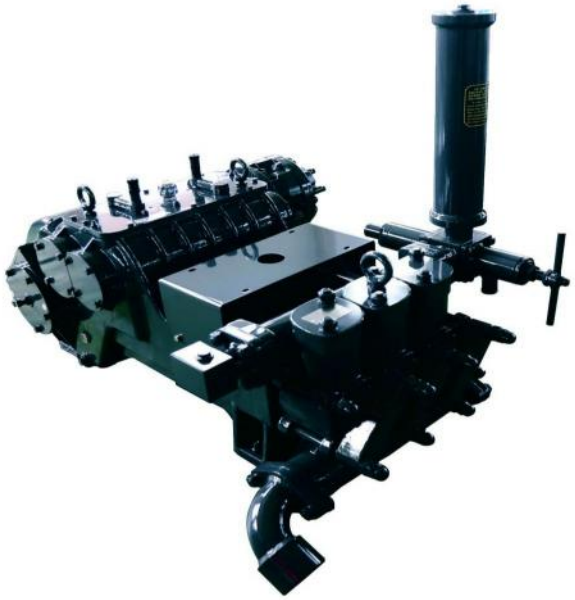
The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

BWF-400 Outline Dimension Drawing





BW-450 (Hydraulic Motor Driven)

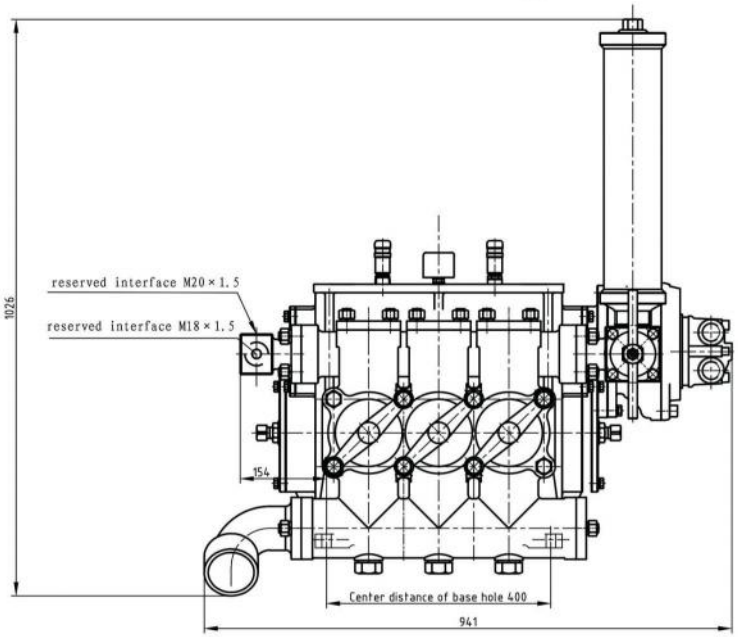


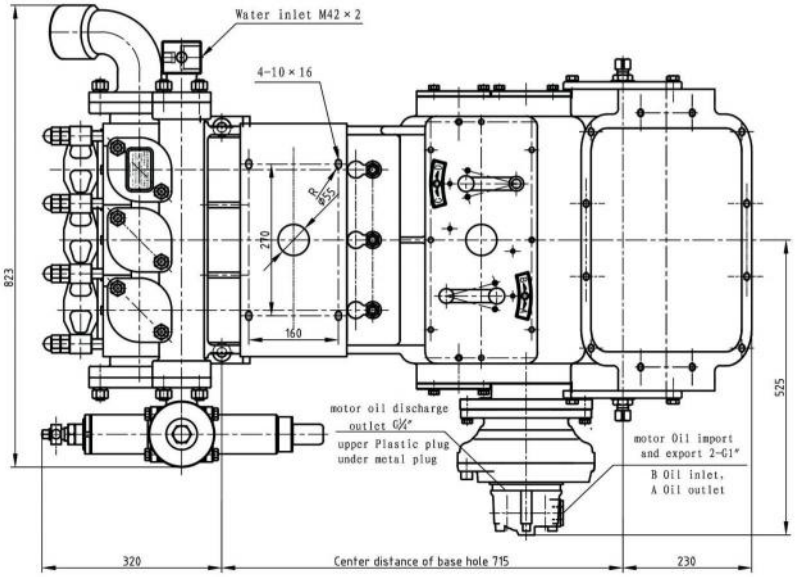
The BW-450 mud pump is a horizontal triplex reciprocating single-acting piston pump, driven by a hydraulic motor. It is mainly used with non-excavation drilling rigs of around 45 tons, but can also be used for grouting, mine drainage, and long-distance water transport. The pump has four flow rates and 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





BWF-450

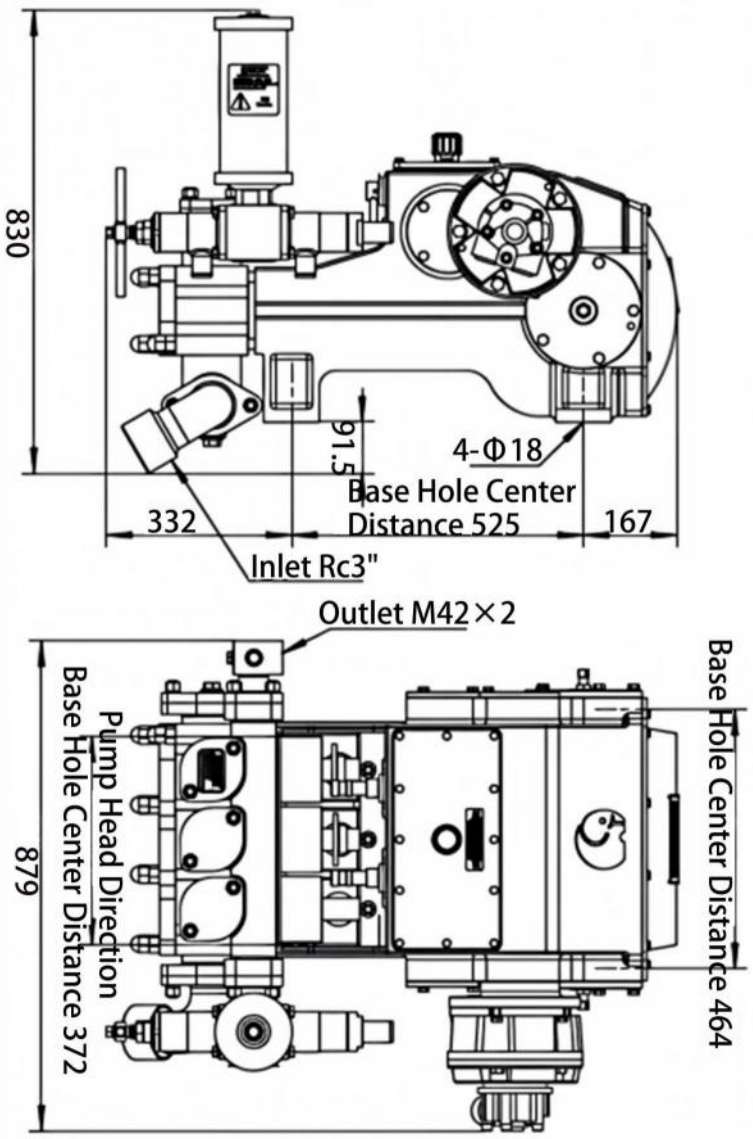


The BWF-450 reciprocating pump is a horizontal triplex single-acting piston pump driven by a hydraulic motor. It is primarily designed for use with trenchless drilling rigs of around 45 tons, and can also be applied in grouting, mine dewatering, and long-distance water supply applications. The pump offers four flow settings and four pressure settings, providing a wide range of flow and pressure variations to suit different borehole diameters and pullback operations. The design incorporates new concepts, structures, materials, and processes, resulting in a compact, lightweight, and aesthetically pleasing unit. The pump body, crankshaft, connecting rod, crosshead, pump head, and related components are designed with high series and interchangeability for easy installation and maintenance. It features long wearing part life and high reliability.

Horizontal triplex reciprocating single acting piston pump	
Stroke（mm）	80
Cylinder Diameter（mm）	100
Flow Rate (L/min)	450 343 213 164
Pressure (MPa)	3 4 6 8
Input Speed (r/min)	538
Input Power (kW)	28
Dimensions (mm)	1024×879×830
Weight (kg)	550
Hydraulic Motor Model	LM1-150
Hydraulic Motor Pressure (MPa)	21
Max. Motor Flow Rate (L/min)	87

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

BWF-450 Outline Dimension Drawing



BW-600 (Hydraulic Motor Driven)

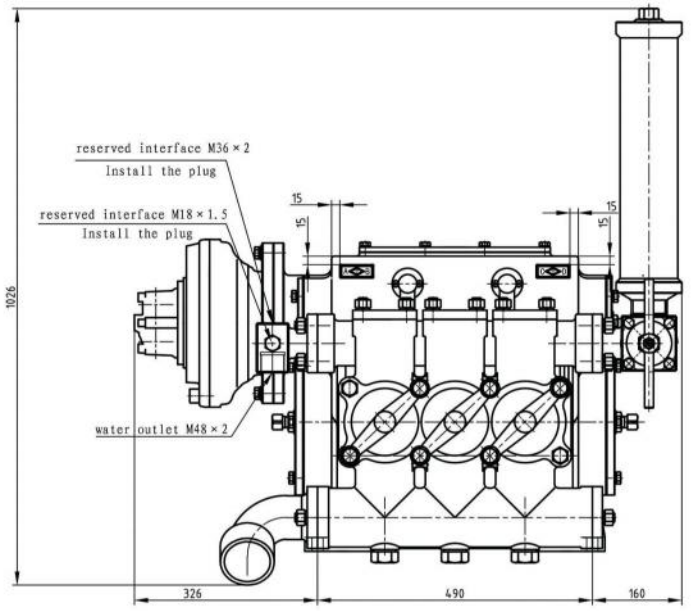


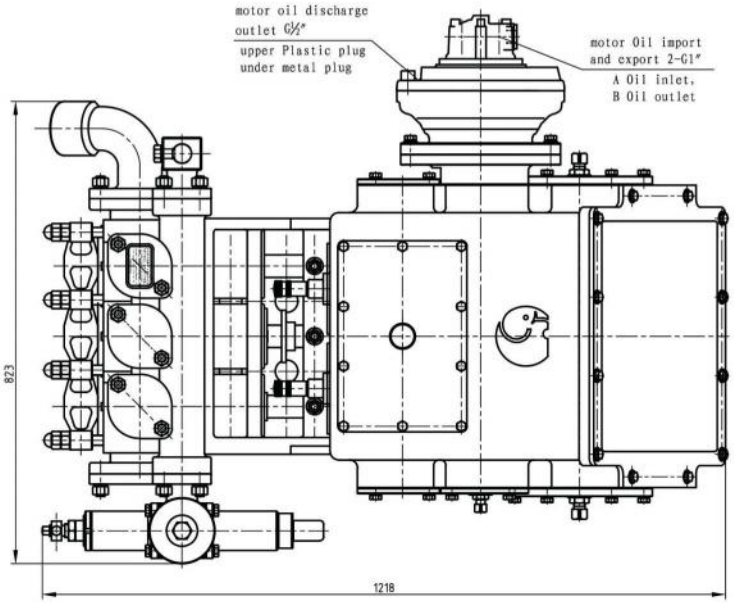
The BW-600 reciprocating pump is a horizontal triplex reciprocating single-acting piston pump, which is driven by a hydraulic motor. It is mainly used in conjunction with non-excavation drilling rigs of about 70 tons, and can also be used for other purposes such as grouting, mine drainage, and long-distance 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





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BW-800 (Hydraulic Motor Driven)



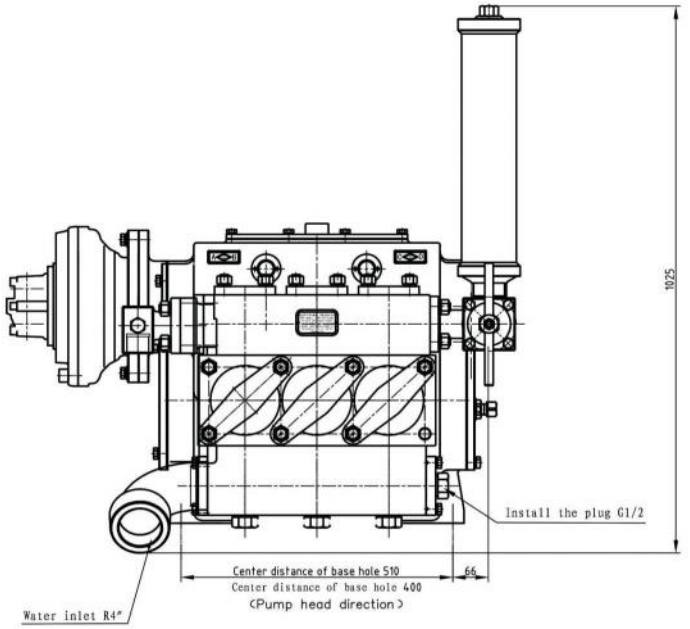
The BW-800 reciprocating pump is a horizontal triplex reciprocating single-acting piston pump, driven by a hydraulic motor. It is mainly used in conjunction with non-excavating drilling machines weighing around 90 tons, and can also be used for other purposes such as grouting, mine drainage, and long-distance 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.

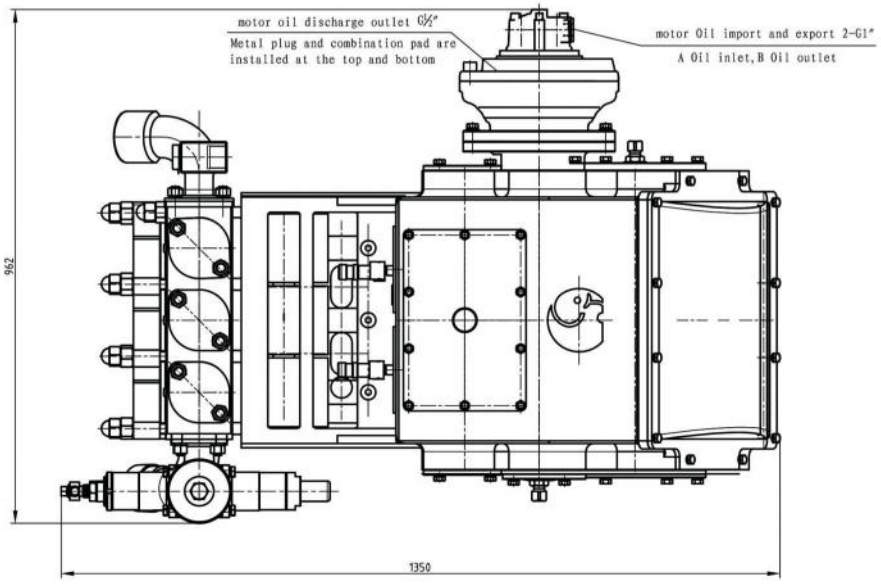
Horizontal triplex reciprocating single acting piston pump				
Stroke (mm)	135			
Cylinder diameter (mm)	110			
Flow (L/min)	800	550	370	260
Pressure (MPa)	3.5	5	7.5	10
Input speed (r/min)	503			
Input power (KW)	54			
Dimensions (mm)	1339×948×1019			
Weight (kg)	950			
Hydraulic motor model	2-350		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

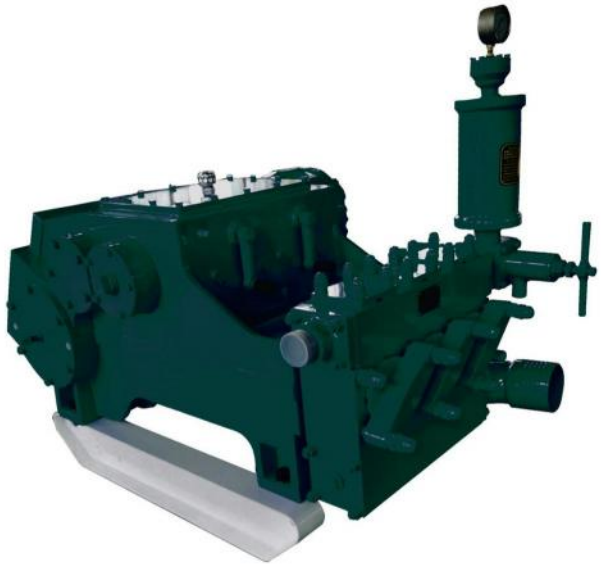
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BW-800 Outline Dimension Drawing





BW-1000 (Hydraulic Motor Driven)

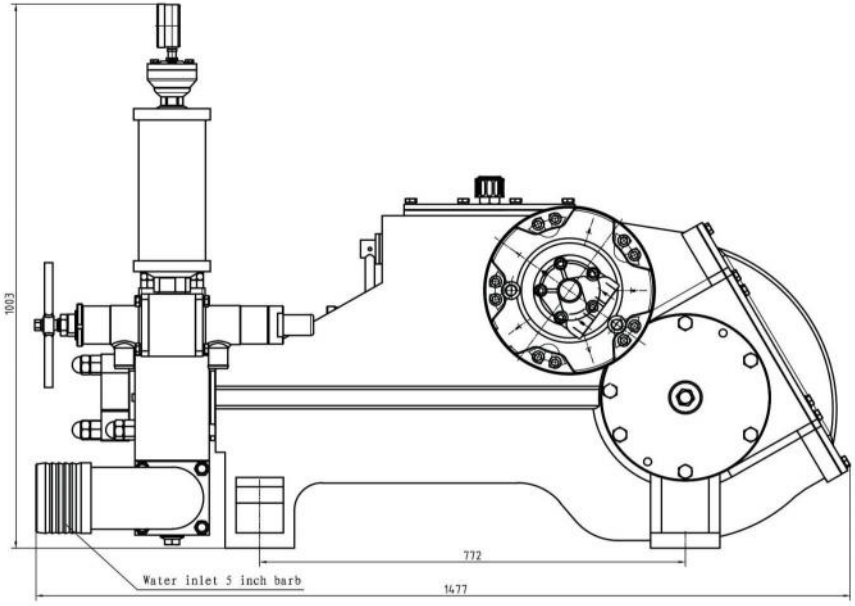


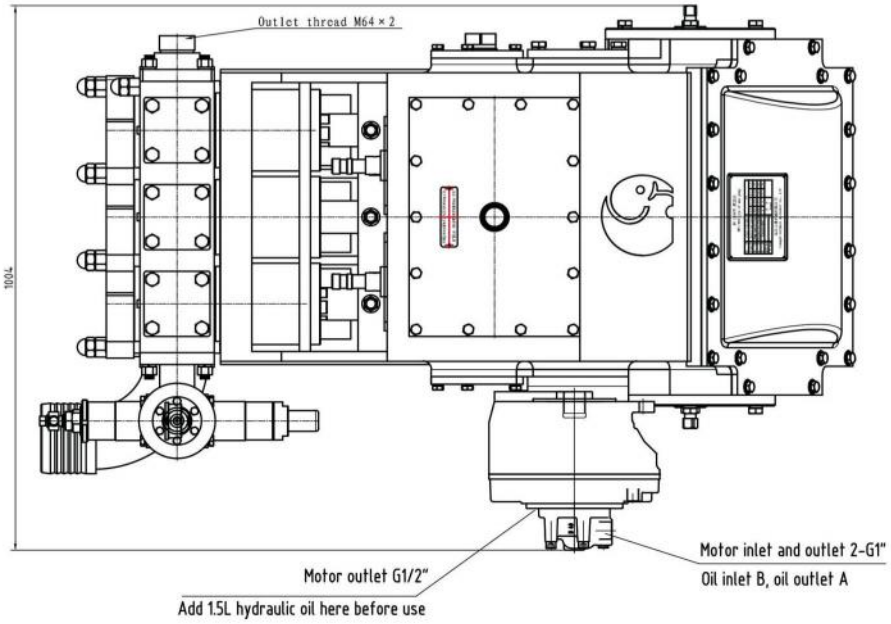
The BW-1000 reciprocating pump is a horizontal, triplex, single-acting piston pump that is hydraulically driven. It is mainly used in conjunction with non-excavation drilling machines weighing around 100 tons, but can also be used for grouting, mine drainage, and long-distance water transportation, among 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)

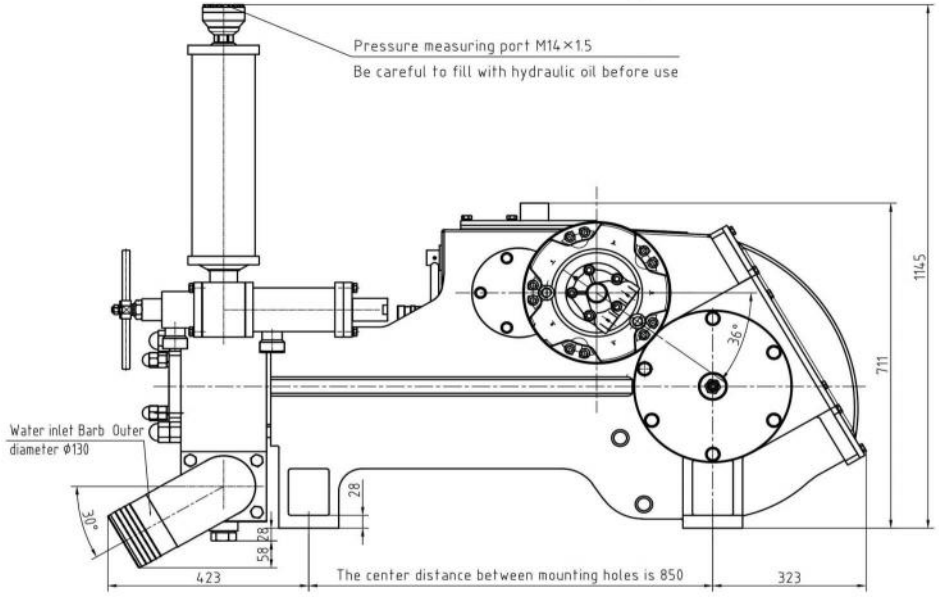


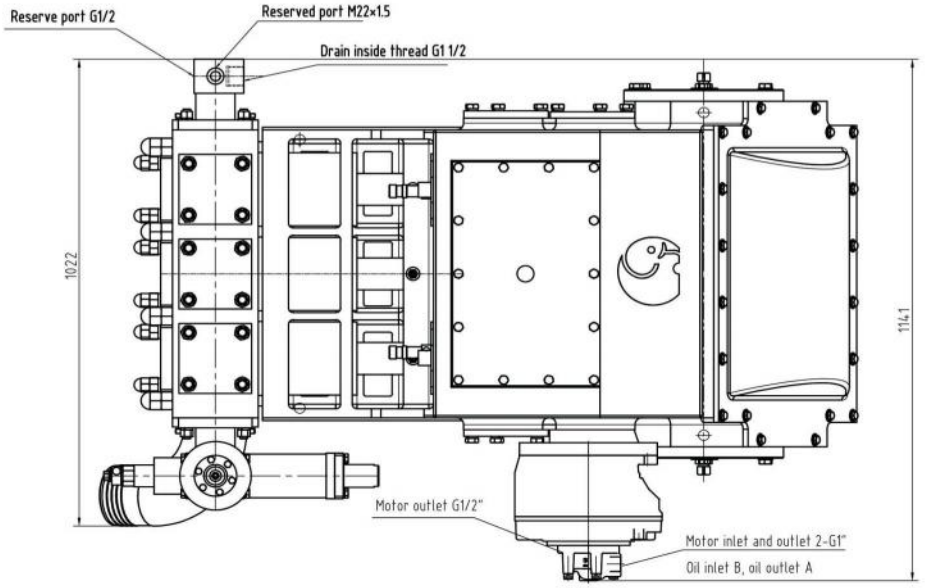
The YBW-1200 reciprocating pump is a horizontal triplex reciprocating single-acting piston pump driven by a hydraulic motor. It is mainly used in conjunction with non-excavation drilling machines of about 150 tons, and can also be used for other purposes such as grouting, mine drainage, and long-distance 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	10
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			

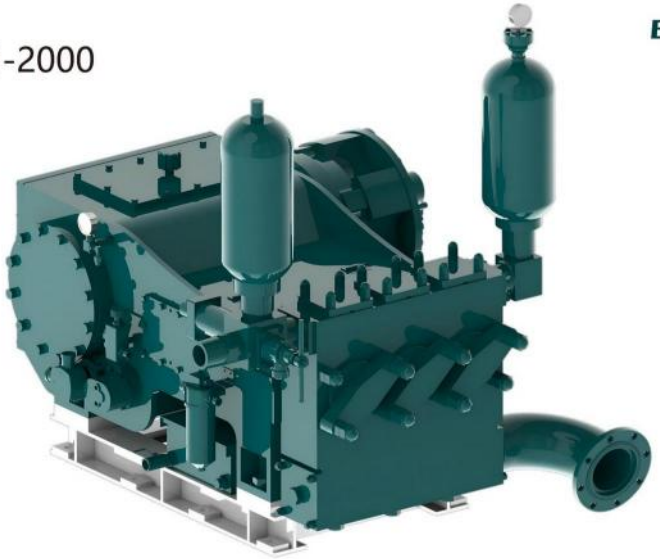
The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

YBW-1200 Outline Dimension Drawing





YBWH-2000

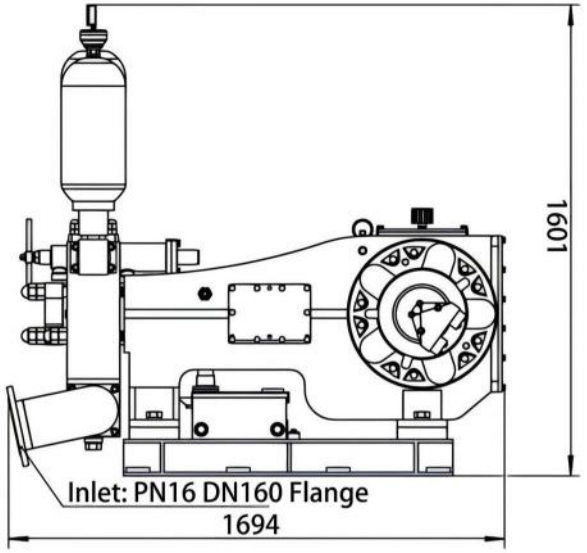


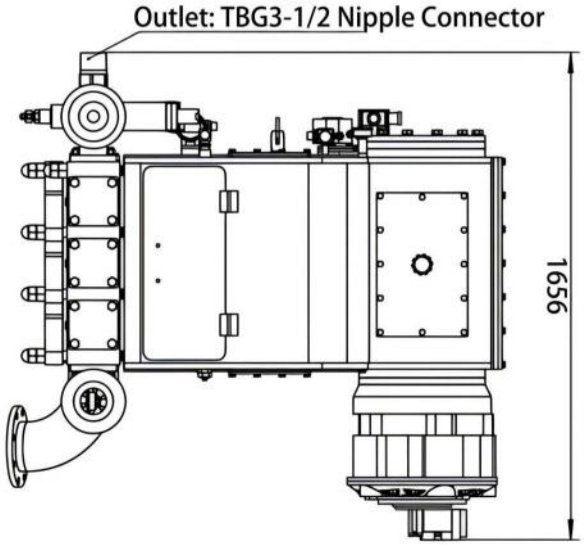
The YBWH-2000 reciprocating pump is a horizontal triplex single-acting piston pump driven by a hydraulic motor. It is primarily designed for use with trenchless drilling rigs of around 220 tons, and can also be applied in grouting, mine dewatering, and long-distance water supply applications. The pump is adaptable to different borehole diameters and pullback operations. The design incorporates new concepts, structures, materials, and processes, resulting in a compact, lightweight, and aesthetically pleasing unit. The pump body, crankshaft, connecting rod, crosshead, pump head, and related components are designed with high series and interchangeability for easy installation and maintenance. It features long wearing part life and high reliability.

Horizontal triplex reciprocating single acting piston pump	
Stroke（mm）	150
Cylinder Diameter（mm）	165
Pump Speed (r/min)	208
Flow Rate (L/min)	2000
Pressure (MPa)	4
Power (kW)	160
Overall Dimensions (mm)	1694×1656×1601
Weight (kg)	2650
Hydraulic Motor Model	GM6 2500

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

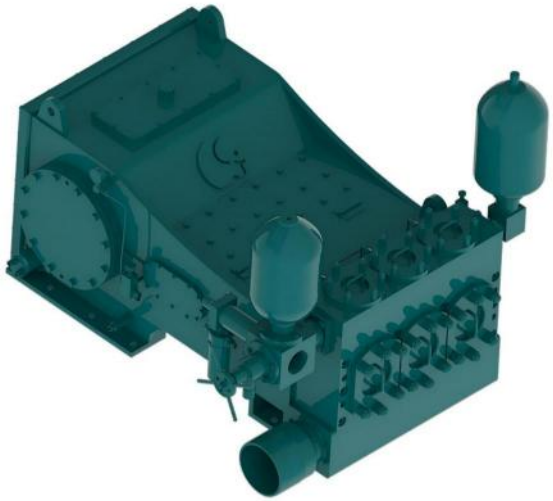
YBWH-2000 Outline Dimension Drawing





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YBWH-3000



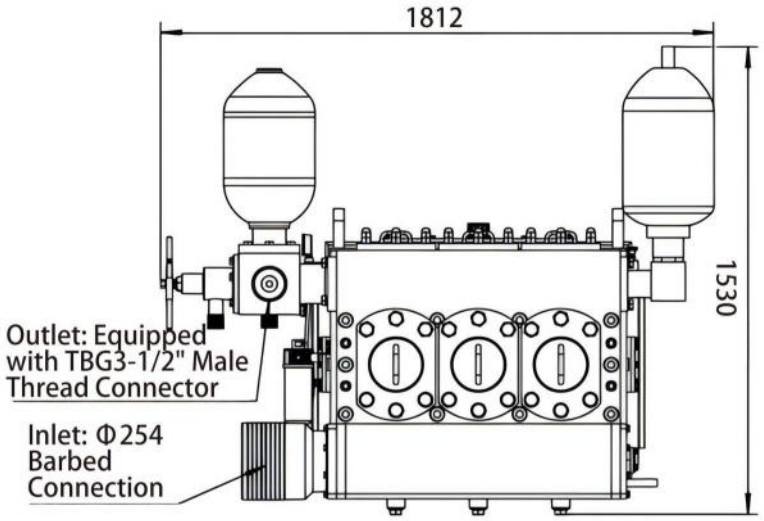
The YBWH-3000 reciprocating pump is a horizontal triplex single-acting piston pump. It is primarily designed for use with trenchless drilling rigs of around 300 tons, and can also be applied in grouting, mine dewatering, and long-distance water supply applications. The pump is adaptable to different borehole diameters and pullback operations. The design incorporates new concepts, structures, materials, and processes, resulting in a compact, lightweight, and aesthetically pleasing unit. The pump body, crankshaft, connecting rod, crosshead, pump head, and related components are designed with high series and interchangeability for easy installation and maintenance. It features long wearing part life and high reliability.

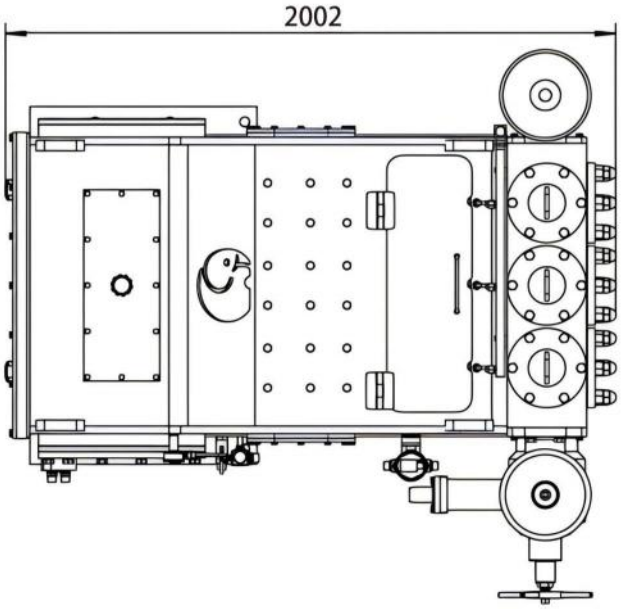
Horizontal triplex reciprocating single acting piston pump	
Stroke（mm）	175
Cylinder Diameter（mm）	200
Gear	1 / 2 / 3 / 4 / 5
Pump Speed (r/min)	56 / 82 / 111 / 149 / 182
Flow Rate (L/min)	918 / 1341 / 1818 / 2452 / 3000
Pressure (MPa)	10 / 10 / 8 / 6 / 5
Rated Power (kW)	320
Overall Dimensions (mm)	2002×1832×1530
Weight (kg)	4900
Power Source	None

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

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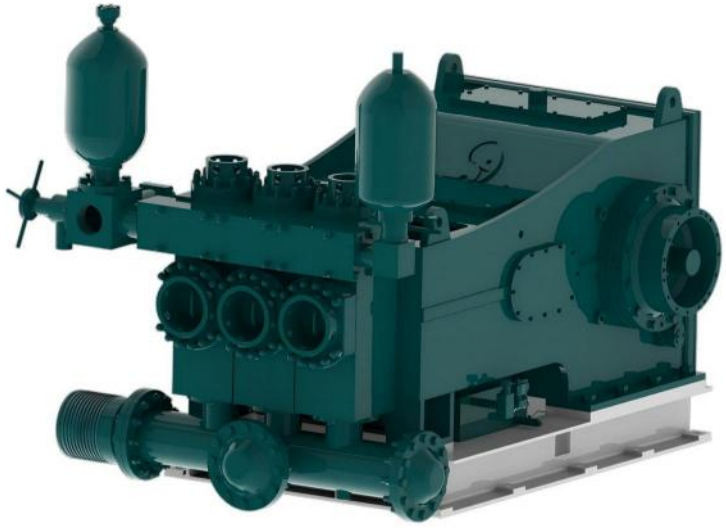
YBWH-3000 Outline Dimension Drawing





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YBW-3200



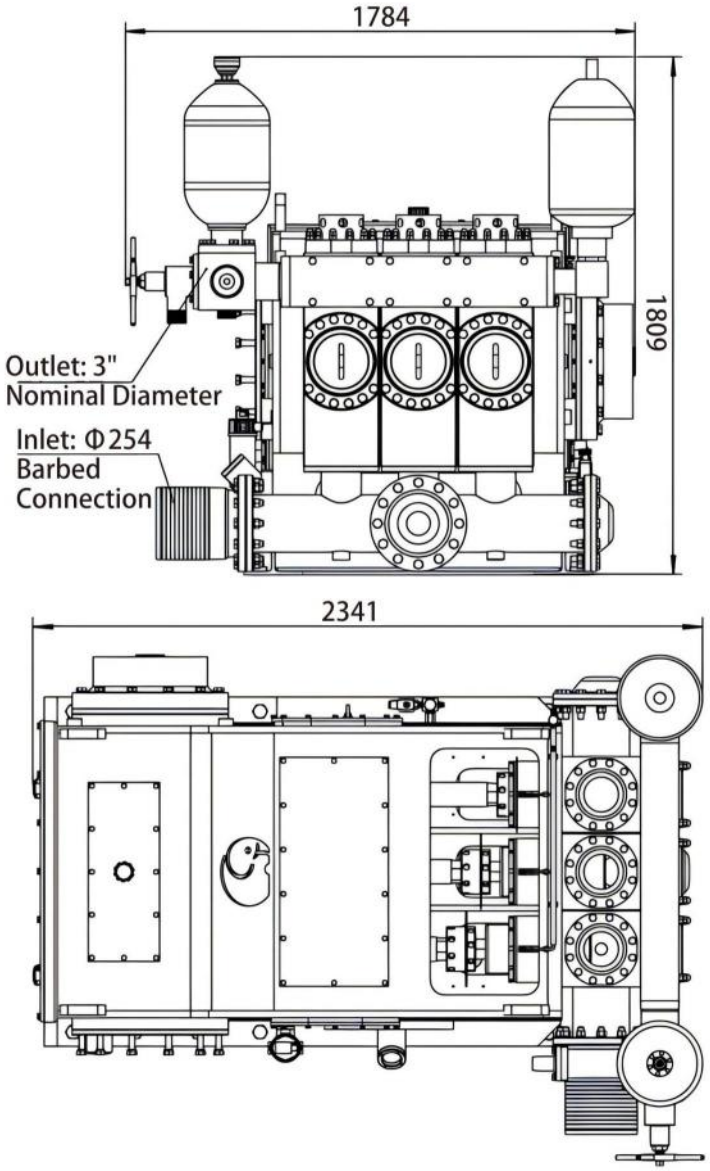
The YBW-3200 reciprocating pump is a horizontal triplex single-acting plunger pump. It is primarily designed for use with trenchless drilling rigs of around 320 tons, and can also be applied in grouting, mine dewatering, and long-distance water supply applications. The pump is adaptable to different borehole diameters and pullback operations. The design incorporates new concepts, structures, materials, and processes, resulting in a compact, lightweight, and aesthetically pleasing unit. The pump body, crankshaft, connecting rod, crosshead, pump head, and related components are designed with high series and interchangeability for easy installation and maintenance. It features long wearing part life and high reliability.

Horizontal triplex reciprocating single acting plunger pump	
Stroke（mm）	200
Cylinder Diameter（mm）	170
Gear	1 / 2 / 3 / 4 / 5
Pump Speed (r/min)	95 / 114 / 142 / 190 / 237
Flow Rate (L/min)	1293 / 1551 / 1933 / 2586 / 3226
Pressure (MPa)	12 / 10 / 8 / 6 / 4.8
Rated Power (kW)	320
Overall Dimensions (mm)	2341×1784×1809
Weight (kg)	6200
Power Source	None

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

ELEPHANT

YBW-3200 Outline Dimension Drawing



DXBH-200

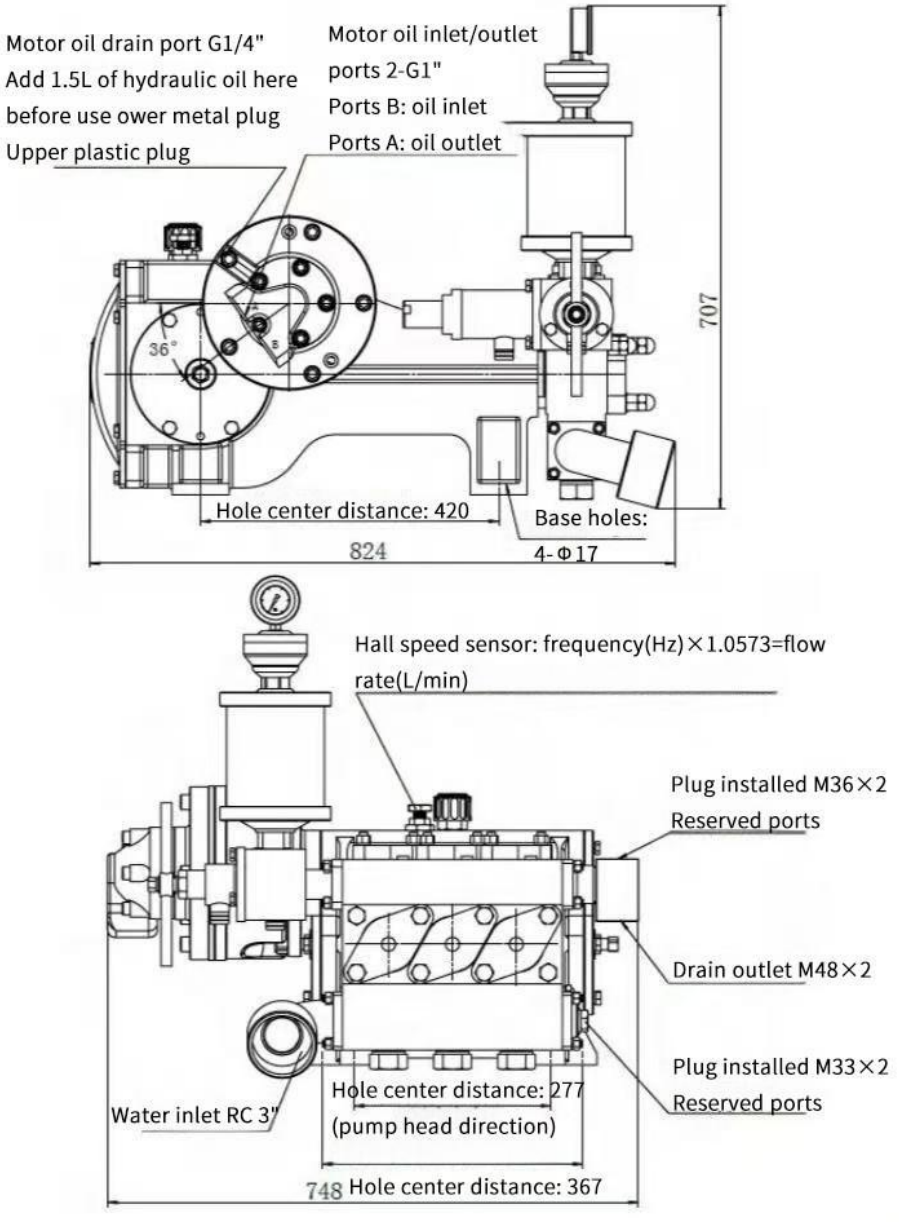


The DXBH-200 reciprocating pump is a horizontal triplex single-acting piston pump driven by a hydraulic motor. It is primarily designed for use with 20-ton trenchless drilling rigs but can also be employed in other applications such as grouting, mine drainage, long-distance water delivery, geological 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-200/7

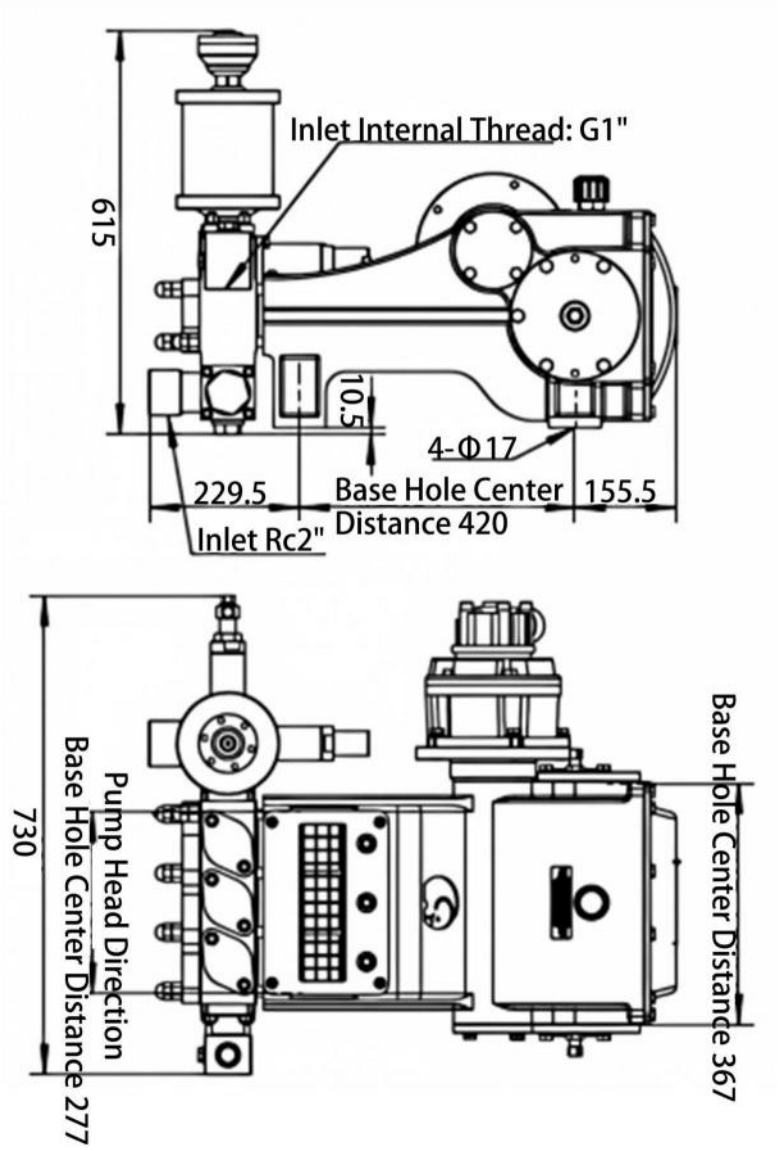


The DXBH-200/7 reciprocating pump is a horizontal triplex single-acting piston pump driven by a hydraulic motor. It is primarily designed for use with trenchless drilling rigs of around 20 tons, and can also be applied in grouting, mine dewatering, and long-distance water supply applications. The pump is adaptable to different borehole diameters and pullback operations. The design incorporates new concepts, structures, materials, and processes, resulting in a compact, lightweight, and aesthetically pleasing unit. The pump body, crankshaft, connecting rod, crosshead, pump head, and related components are designed with high series and interchangeability for easy installation and maintenance. It features long wearing part life and high reliability.

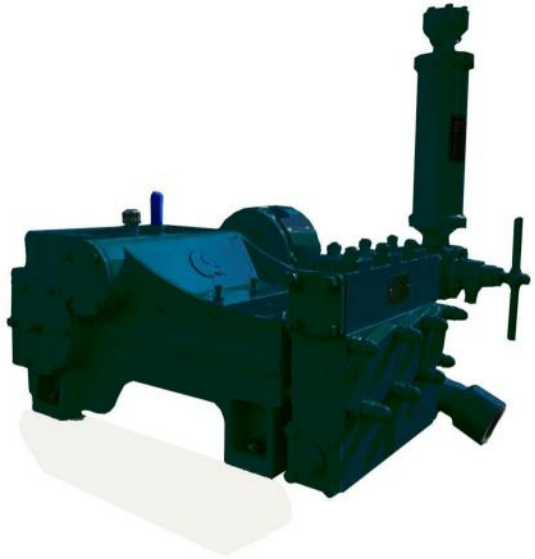
Horizontal triplex reciprocating single acting piston pump	
Stroke（mm）	60
Cylinder Diameter（mm）	70
Flow Rate (L/min)	160　200
Pressure (MPa)	7
Input Pump Speed (r/min)	232　290
Input Power (kW)	29
Dimensions (mm)	805×730×615
Weight (kg)	275
Hydraulic Motor Model	LM1-90
Hydraulic Motor Pressure (MPa)	25
Motor Displacement (ml/r)	85

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

DXBH-200/7 Outline Dimension Drawing



DXBH-300（Hydraulic Motor Driven）

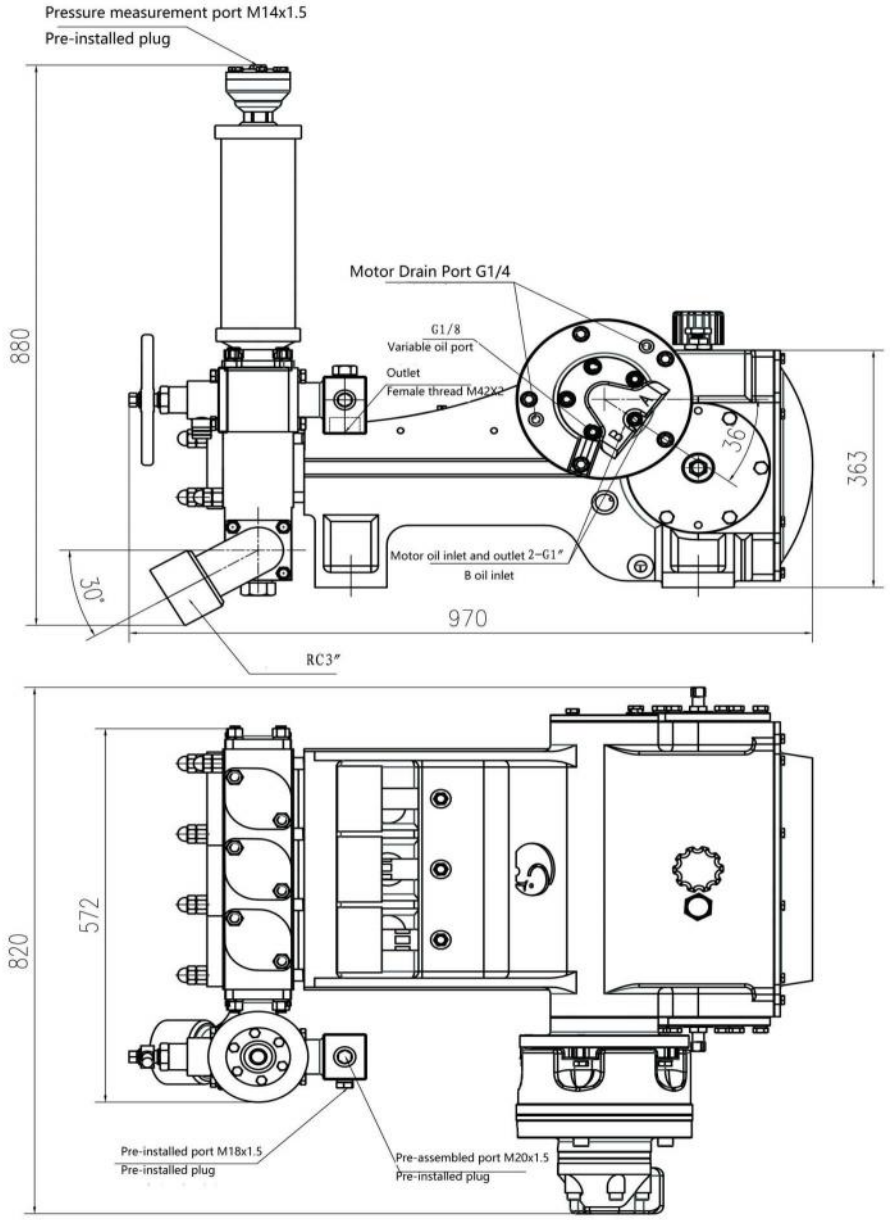


The DXBH-300 reciprocating pump is a horizontal triplex reciprocating single-acting piston pump, which is driven by a double displacement hydraulic motor. It is mainly used in conjunction with non-excavation drilling machines of about 25 tons, and can also be used for other purposes such as grouting, 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)

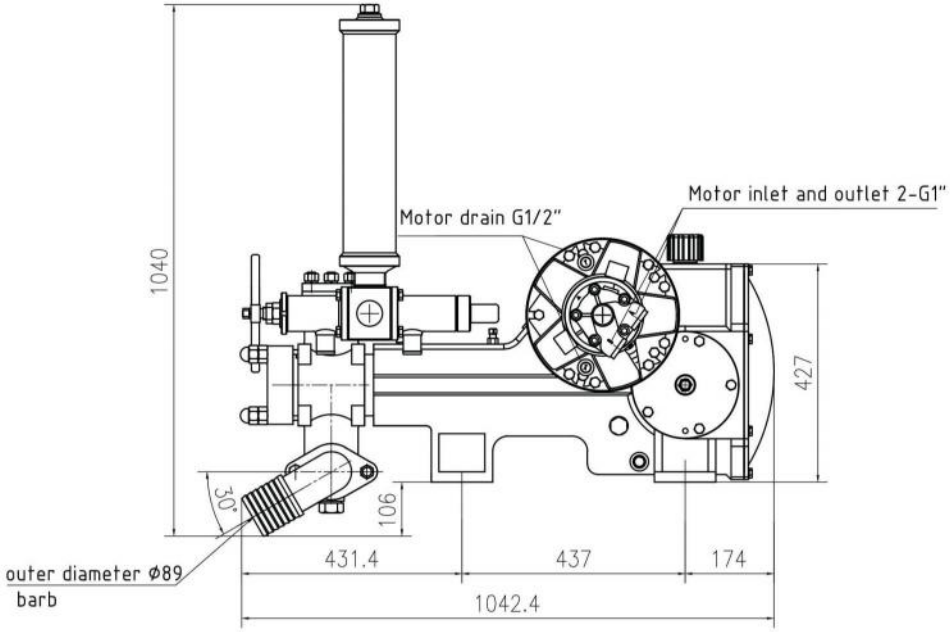


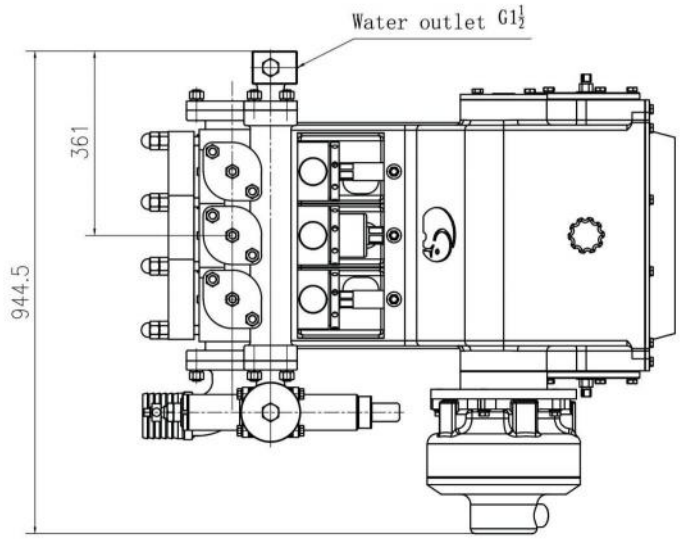
The DXB-300/8 reciprocating pump is a horizontal triplex reciprocating single-acting plunger pump, driven by a hydraulic motor. It is mainly used for tunnel drilling rigs, trenchless drilling rigs, and can also be used for other purposes, such as grouting, mine drainage, and long-distance water delivery. 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 plunger 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





DXBH-300Y

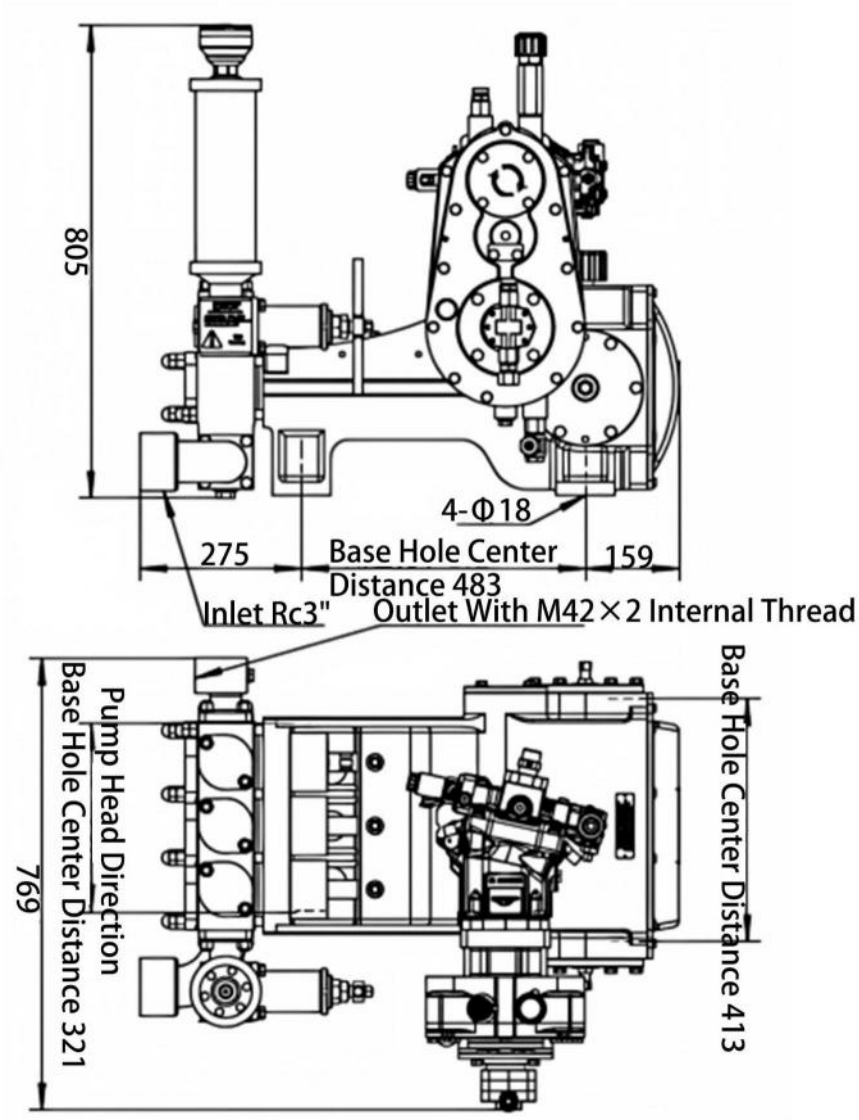


The DXBH-300Y reciprocating pump is a horizontal triplex single-acting piston pump driven by a hydraulic motor. It is primarily designed for use with trenchless drilling rigs of around 30 tons, and can also be applied in grouting, mine dewatering, and long-distance water supply applications. The pump offers two flow settings and two pressure settings, providing a wide range of flow and pressure variations to suit different borehole diameters and pullback operations. The design incorporates new concepts, structures, materials, and processes, resulting in a compact, lightweight, and aesthetically pleasing unit. The pump body, crankshaft, connecting rod, crosshead, pump head, and related components are designed with high series and interchangeability for easy installation and maintenance. It features long wearing part life and high reliability.

Horizontal triplex reciprocating single acting piston pump	
Stroke（mm）	75
Cylinder Diameter（mm）	80
Flow Rate (L/min)	150 300
Pressure (MPa)	8 4
Input Speed (r/min)	1210 2420
Input Power (kW)	23
Dimensions (mm)	917×769×805
Weight (kg)	450
Hydraulic Motor Model	CMV-A3-060-E400-D2-C4S8-AM-0-S-V-P-V7-060025-0000CP
Hydraulic Motor Pressure (MPa)	20
Max. Motor Flow Rate (L/min)	78

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

DXBH-300Y Outline Dimension Drawing



DXB-330/10 (Hydraulic Motor Driven)

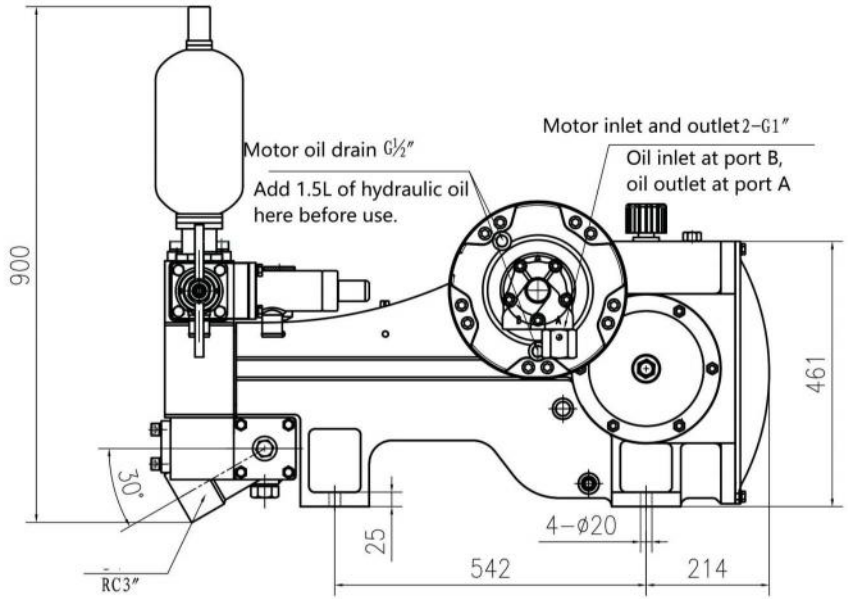


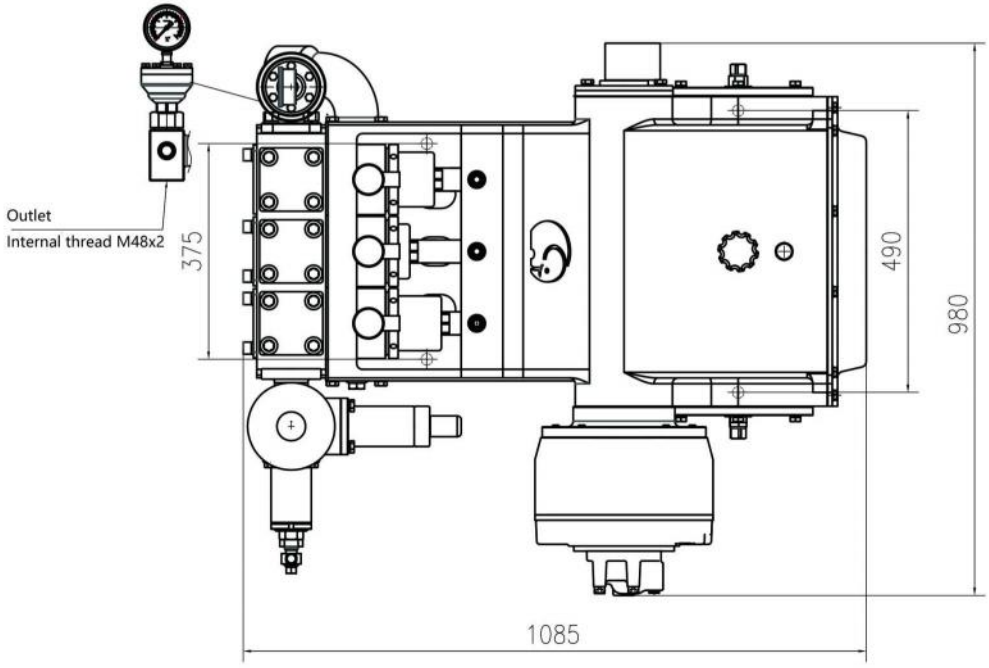
The DXB-330/10 reciprocating pump is a horizontal triplex reciprocating single-acting plunger pump driven by a hydraulic motor. It is mainly used for tunneling rig matching, but can also be used for other purposes such as grouting, mine drainage, and long-distance water delivery. This pump can adjust 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 plunger 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）

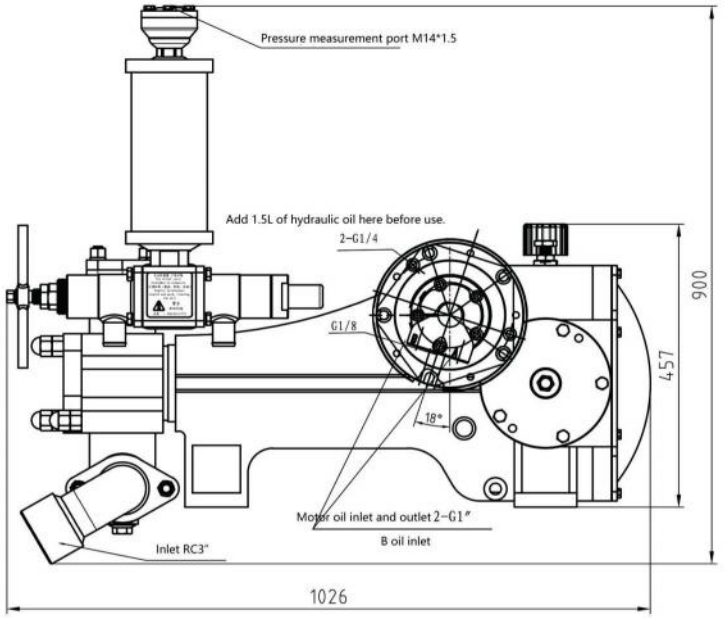


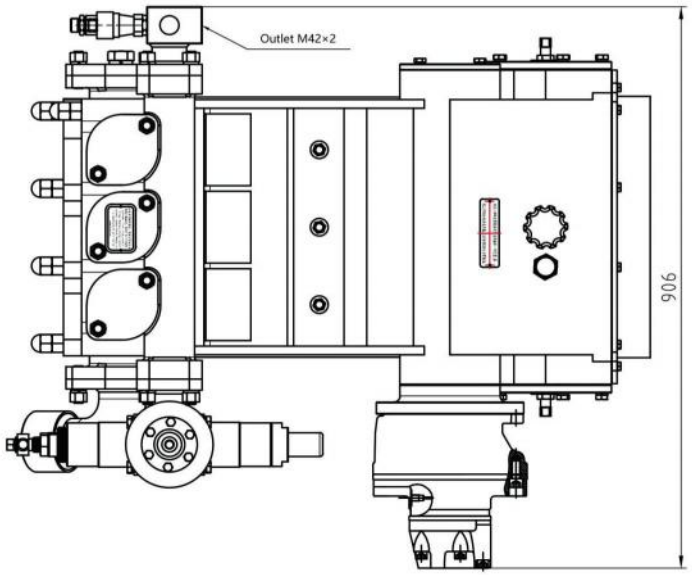
The DXBH-400 reciprocating pump is a horizontal, triplex reciprocating single-acting piston pump, driven by a dual-displacement hydraulic motor. It is mainly used in conjunction with non-excavation drilling machines of about 40 tons, but can also be used for other purposes such as injection grouting, 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)

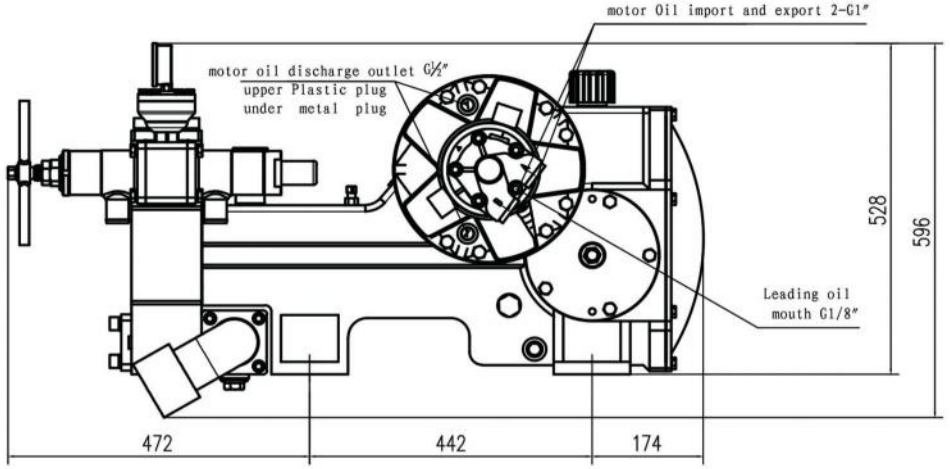


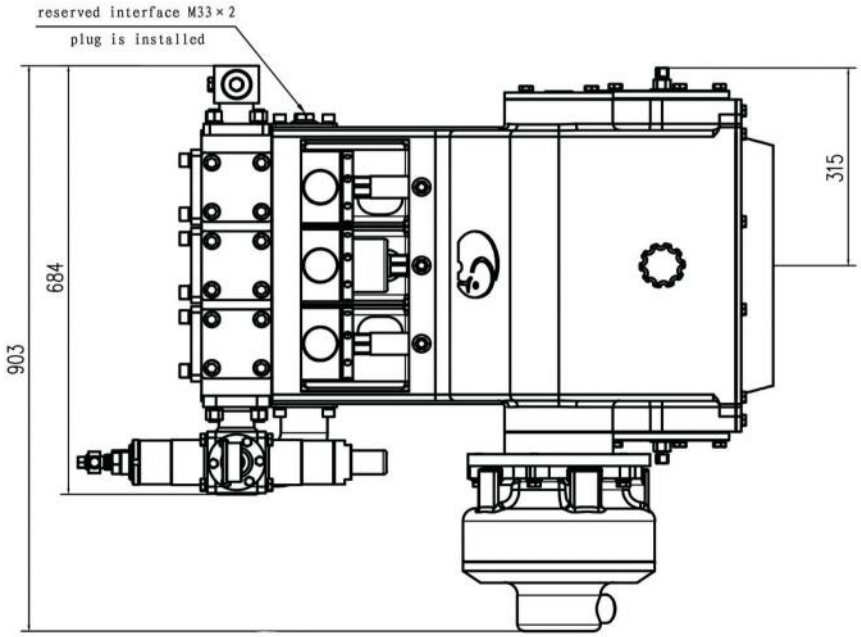
The DXB-500 reciprocating pump is a horizontal triplex reciprocating single-acting plunger pump driven by a dual-displacement hydraulic motor. It is mainly used in conjunction with non-excavation drilling machines of around 50 tons, but can also be used for other purposes such as grouting, mine drainage, 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 plunger 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)

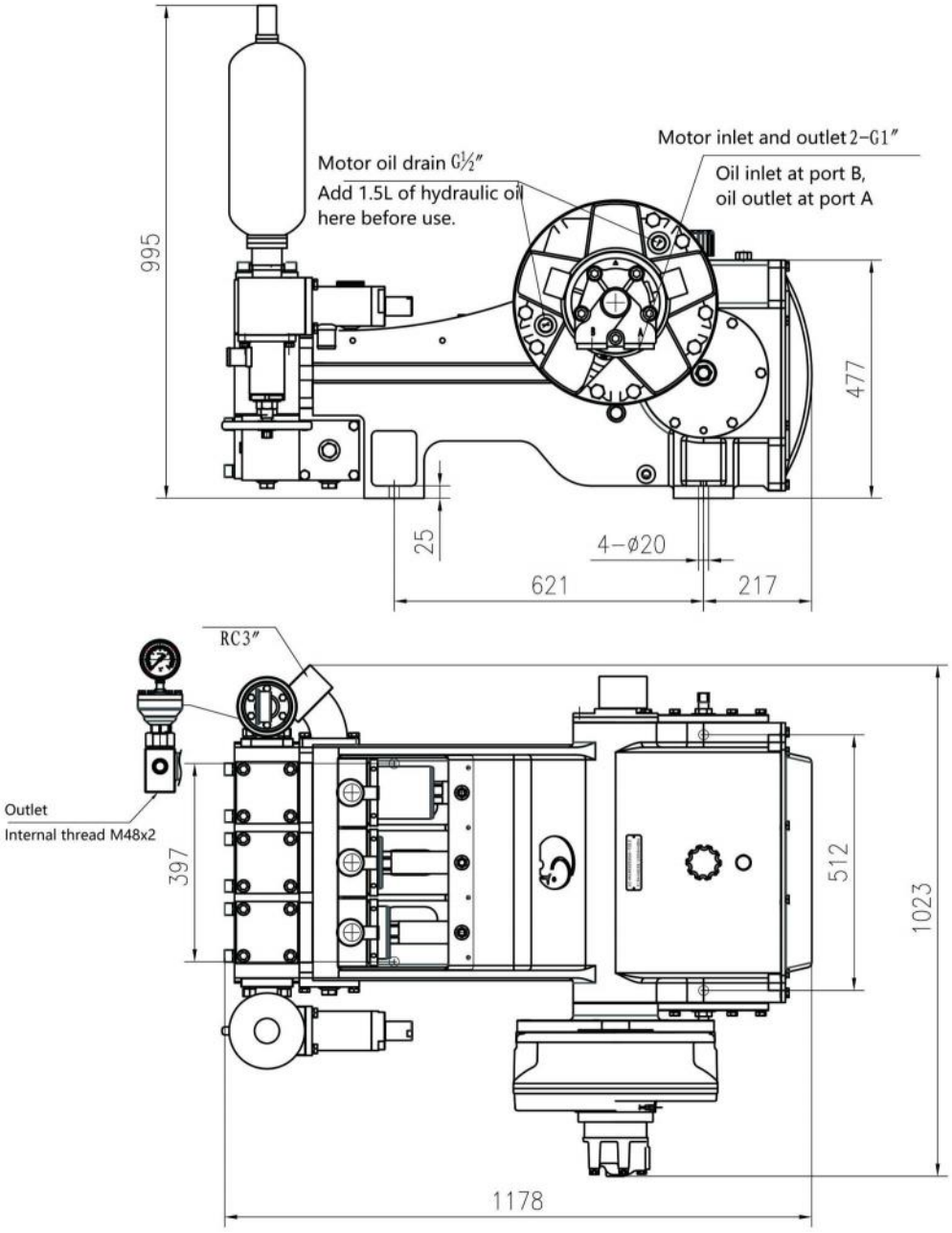


The DXB-500/10 reciprocating pump is a horizontal triplex reciprocating single-acting plunger pump. It is driven by a high-displacement hydraulic motor and mainly used for matching with tunnel drilling machines. It can also be used for other purposes such as grouting, mine drainage, and long-distance 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 plunger 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-500/10Outline Dimension Drawing



DXB-600 (Hydraulic Motor Driven)

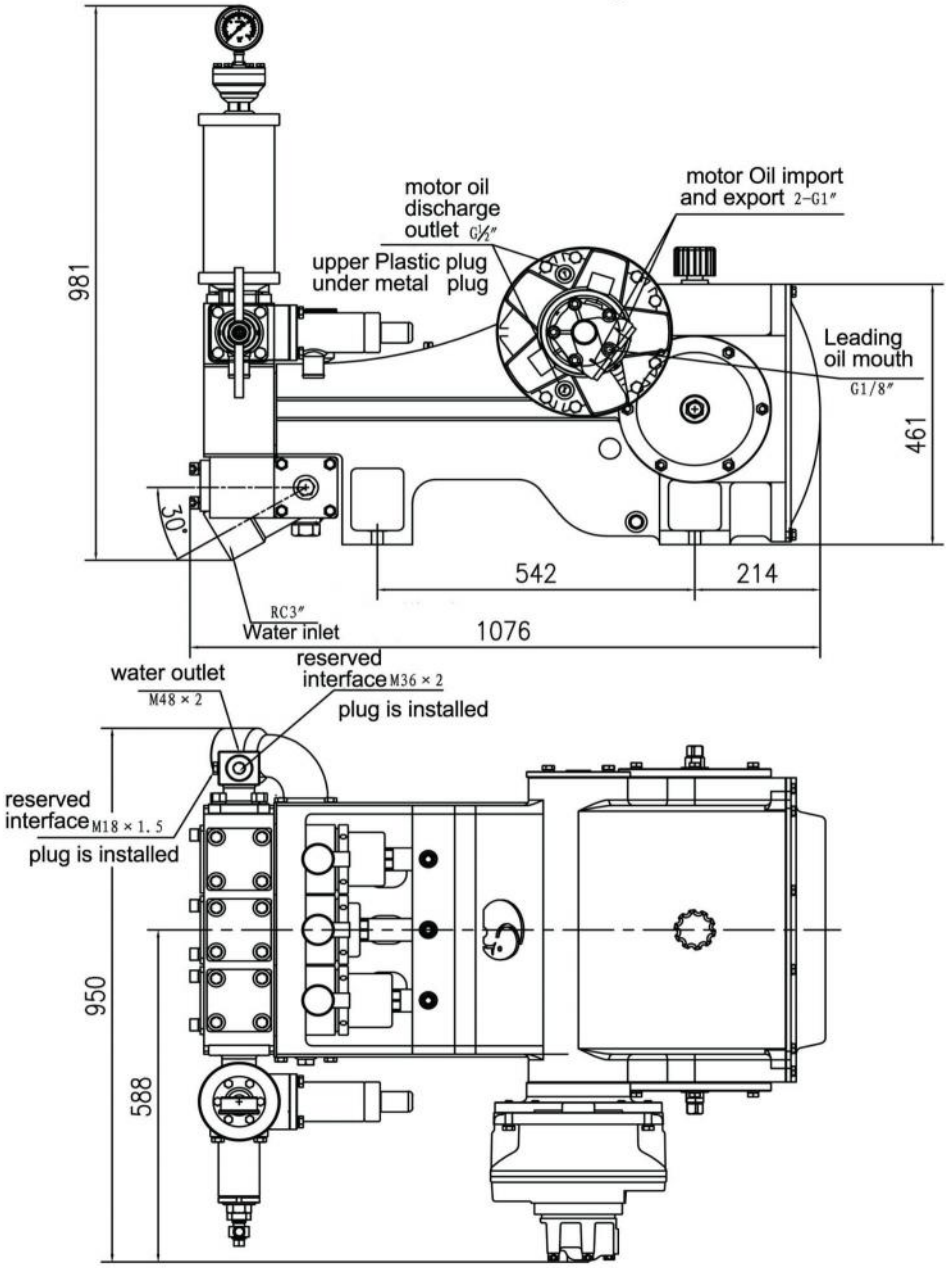


The DXB-600 reciprocating pump is a horizontal triplex reciprocating single-acting plunger pump, driven by a dual displacement hydraulic motor. It is mainly used in conjunction with non-excavation drilling rigs weighing around 70 tons, and can also be used for other purposes such as grouting, mine drainage, 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 plunger 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	SAI2-350-170	
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)

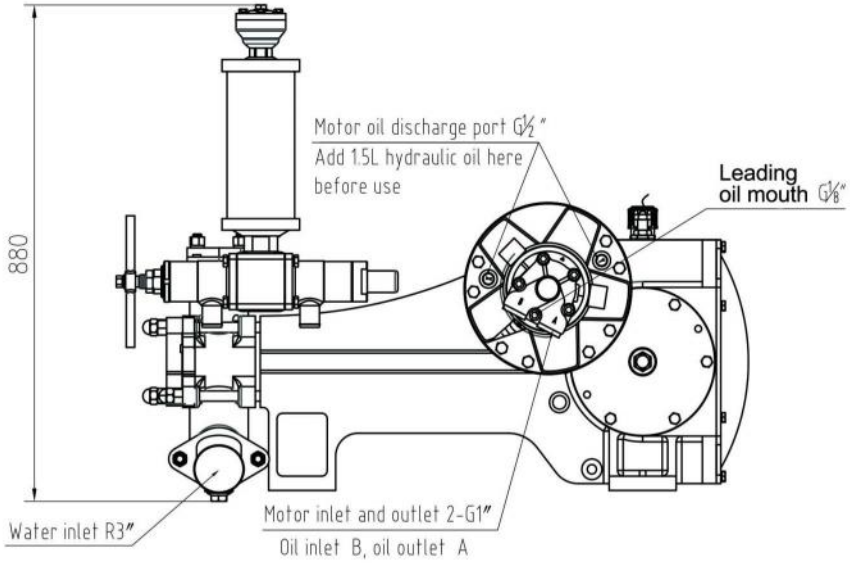


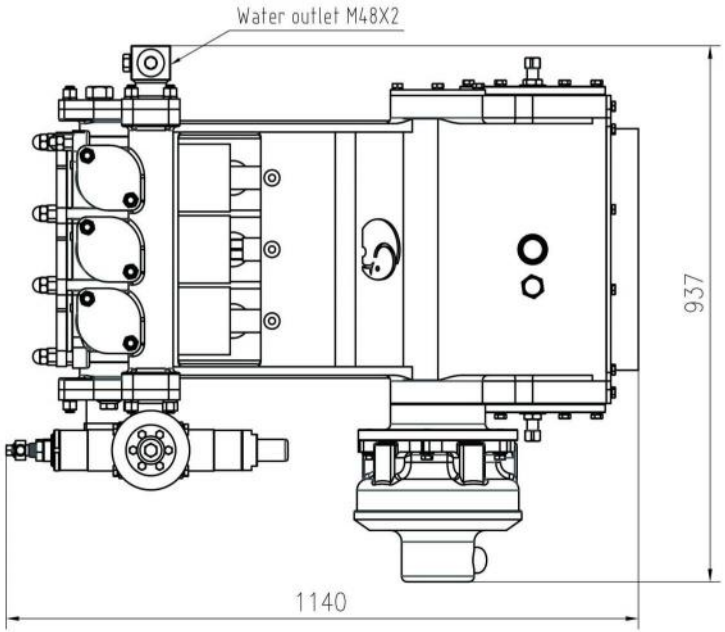
The DXBH-600 reciprocating pump is a horizontal, triplex, single-acting piston pump that uses a double-displacement hydraulic motor drive. It is mainly used in conjunction with non-excavation drilling rigs weighing around 50 tons, but can also be used for other purposes such as injection grouting, mine 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





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DXB-800 (Hydraulic Motor Driven)



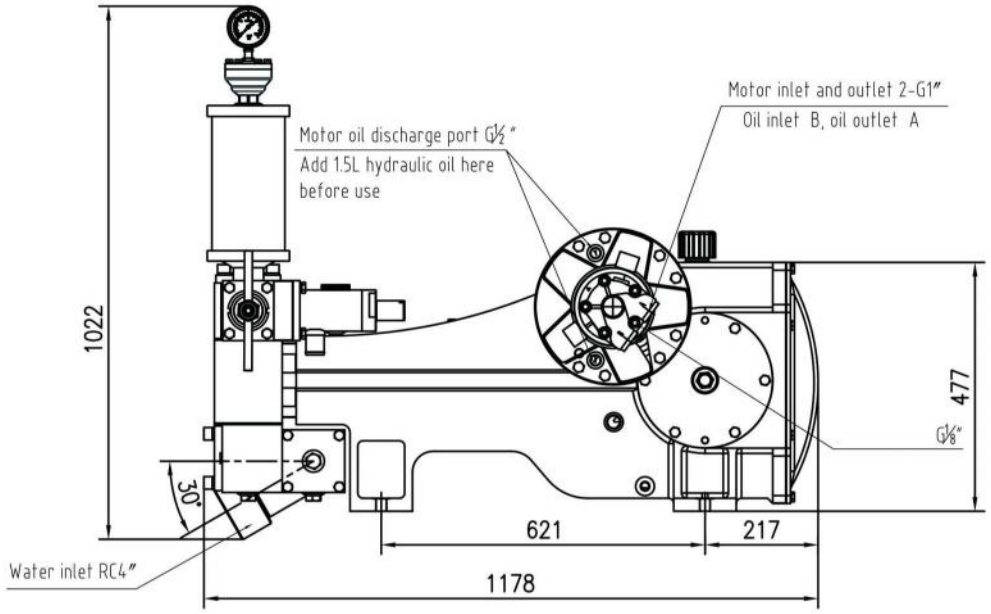
The DXB-800 reciprocating pump is a horizontal triplex reciprocating single-acting plunger pump, driven by a dual-displacement hydraulic motor. It is mainly used in conjunction with non-excavation drilling rigs of about 80 tons, as well as for other purposes such as grouting, mine drainage, and long-distance 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.

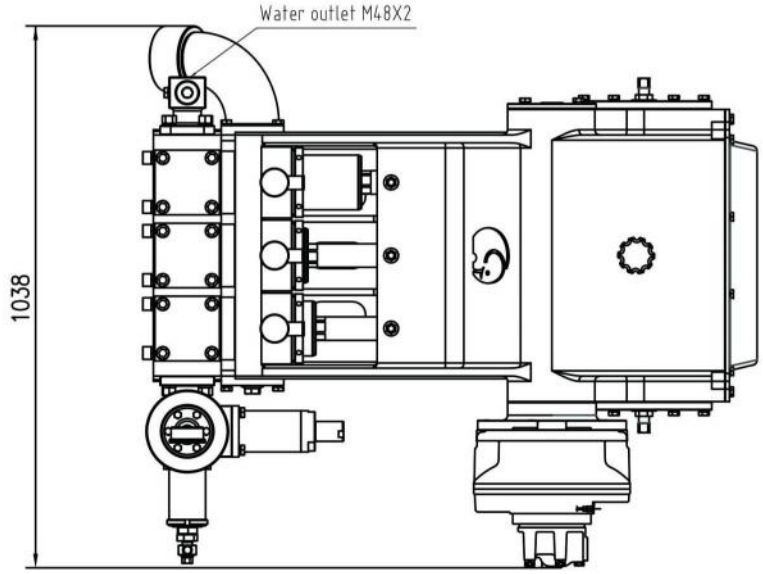
Horizontal triplex reciprocating single acting plunger pump	
Stroke (mm)	135
Cylinder diameter (mm)	105
Flow (L/min)	800 400
Pressure (MPa)	4 8
Input speed (r/min)	1170 585
Input power (KW)	64
Dimensions (mm)	1178 × 1038 × 1022
Weight (kg)	820
Hydraulic motor model	SAI2-350-170
Hydraulic motor pressure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

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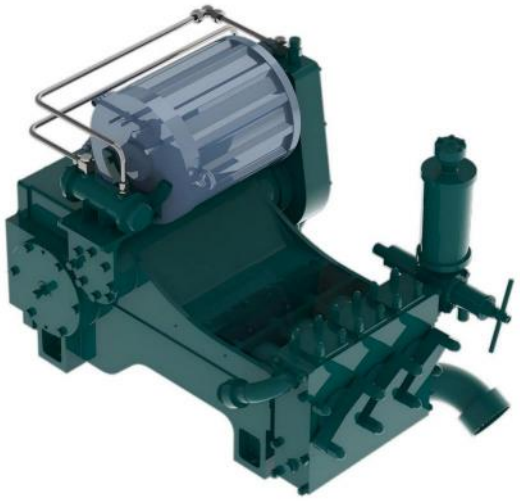
DXB-800 Outline Dimension Drawin





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DXBH-1000E



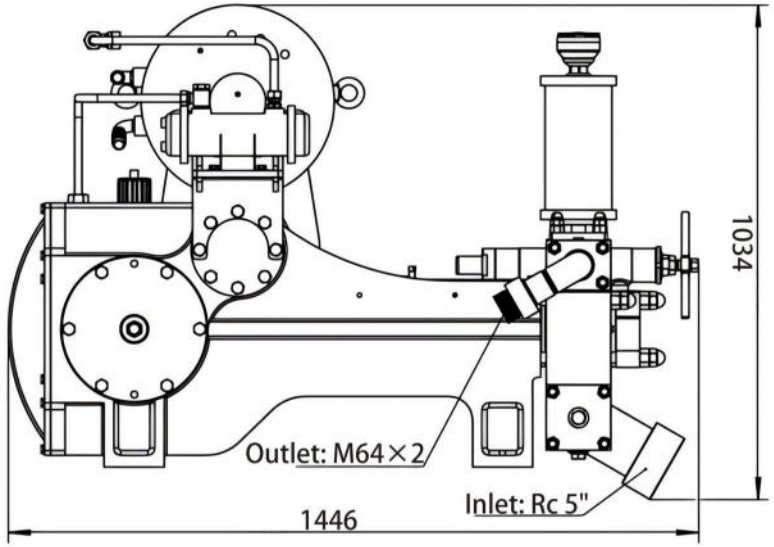
The DXBH-1000E reciprocating pump is a horizontal triplex single-acting piston pump driven by a permanent magnet synchronous motor. It is primarily designed for use with trenchless drilling rigs of around 100 tons, and can also be applied in grouting, mine dewatering, and long-distance water supply applications. The pump is adaptable to different borehole diameters and pullback operations. The design incorporates new concepts, structures, materials, and processes, resulting in a compact, lightweight, and aesthetically pleasing unit. The pump body, crankshaft, connecting rod, crosshead, pump head, and related components are designed with high series and interchangeability for easy installation and maintenance. It features long wearing part life and high reliability.

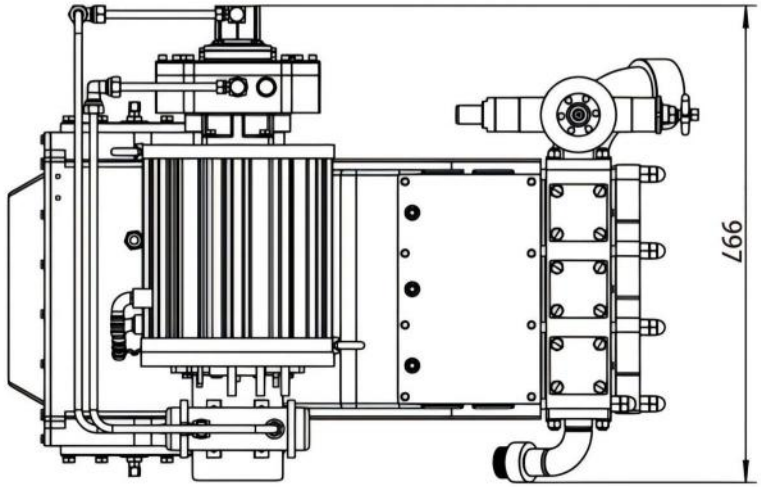
Horizontal triplex reciprocating single acting piston pump	
Stroke（mm）	140
Cylinder Diameter（mm）	115
Pump Speed (r/min)	232－116
Flow Rate (L/min)	1000－500
Pressure (MPa)	4－8
Rated Power (kW)	80
Overall Dimensions (mm)	1446×997×1034
Weight (kg)	1351
Motor Model	TYC80-1750-Z200L12
Rated/Max. Current (A)	153/261
Rated/Peak Power (kW)	80/136
Rated/Max. 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.

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DXBH-1000E Outline Dimension Drawing





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DXBH-800 (Hydraulic Motor Driven)



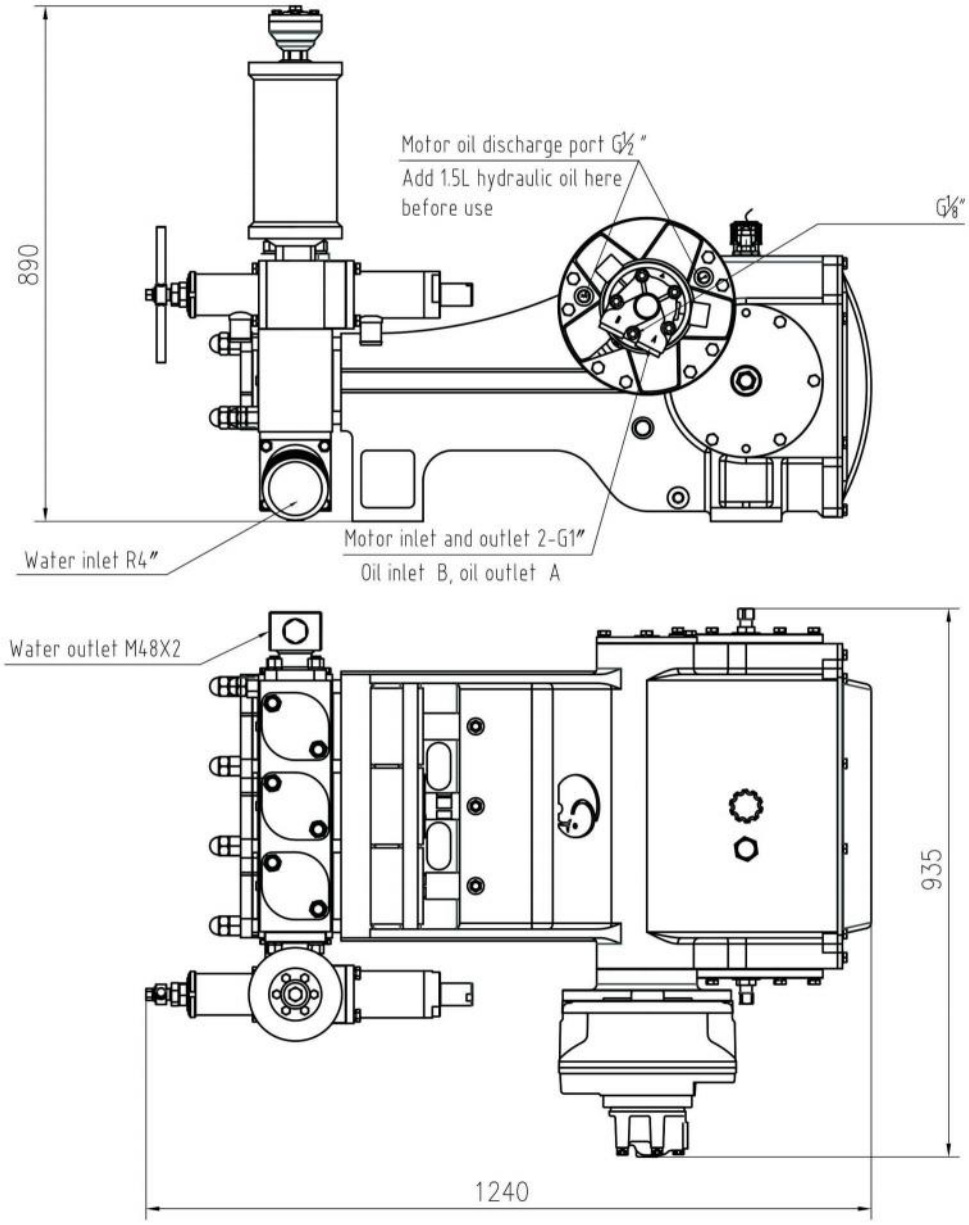
The DXBH-800 reciprocating pump is a horizontal triplex single-acting piston pump that uses a dual displacement hydraulic motor for driving. It is mainly used in conjunction with non-excavation drilling machines of around 65 tons, and can also be used for other applications such as grouting, mine drainage, 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

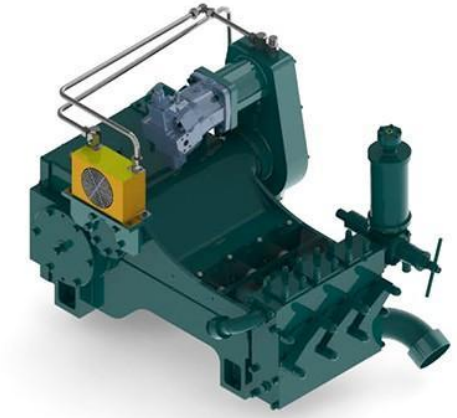
The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

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DXBH-800 Outline Dimension Drawing



DXBH-1000Y

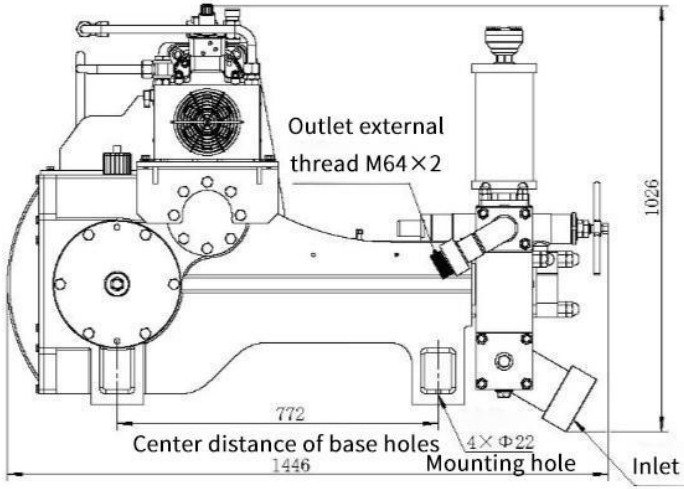


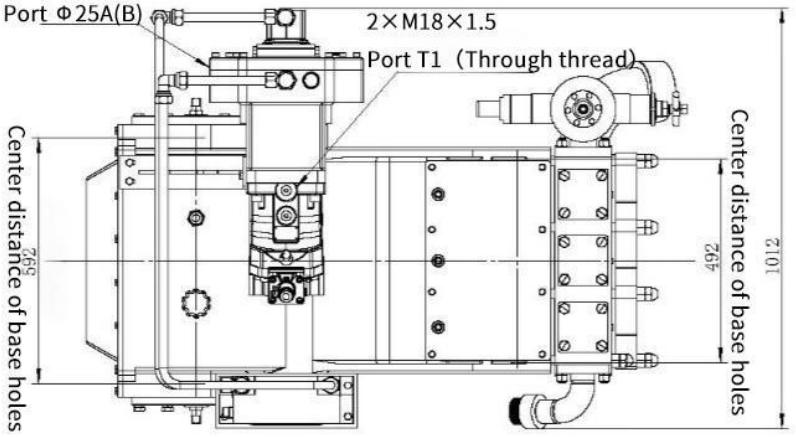
The DXBH-1000Y reciprocating pump is a horizontal triplex single-acting piston pump driven by a dual-displacement hydraulic motor. It is primarily designed for use with 100-ton trenchless drilling rigs but can also be employed in other applications such as grouting, mine drainage, and long-distance water 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	M64×2
Dimensions(mm)	1446×1012×1026
Weight(kg)	1281
Hydraulic motor model	L6VM107EZ2/63W-VZB020B-0550
Hydraulic motor rated pressure(Mpa)	35
Maximum motor flow (L/min)	321

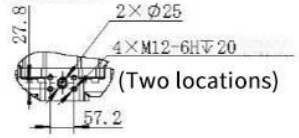
The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

DXBH-1000Y Outline Dimension Drawing

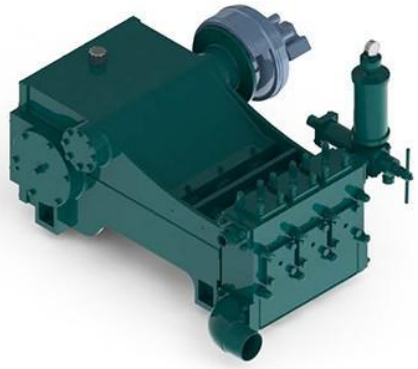




Motor port A&B mounting dimensions



DXBH-1200

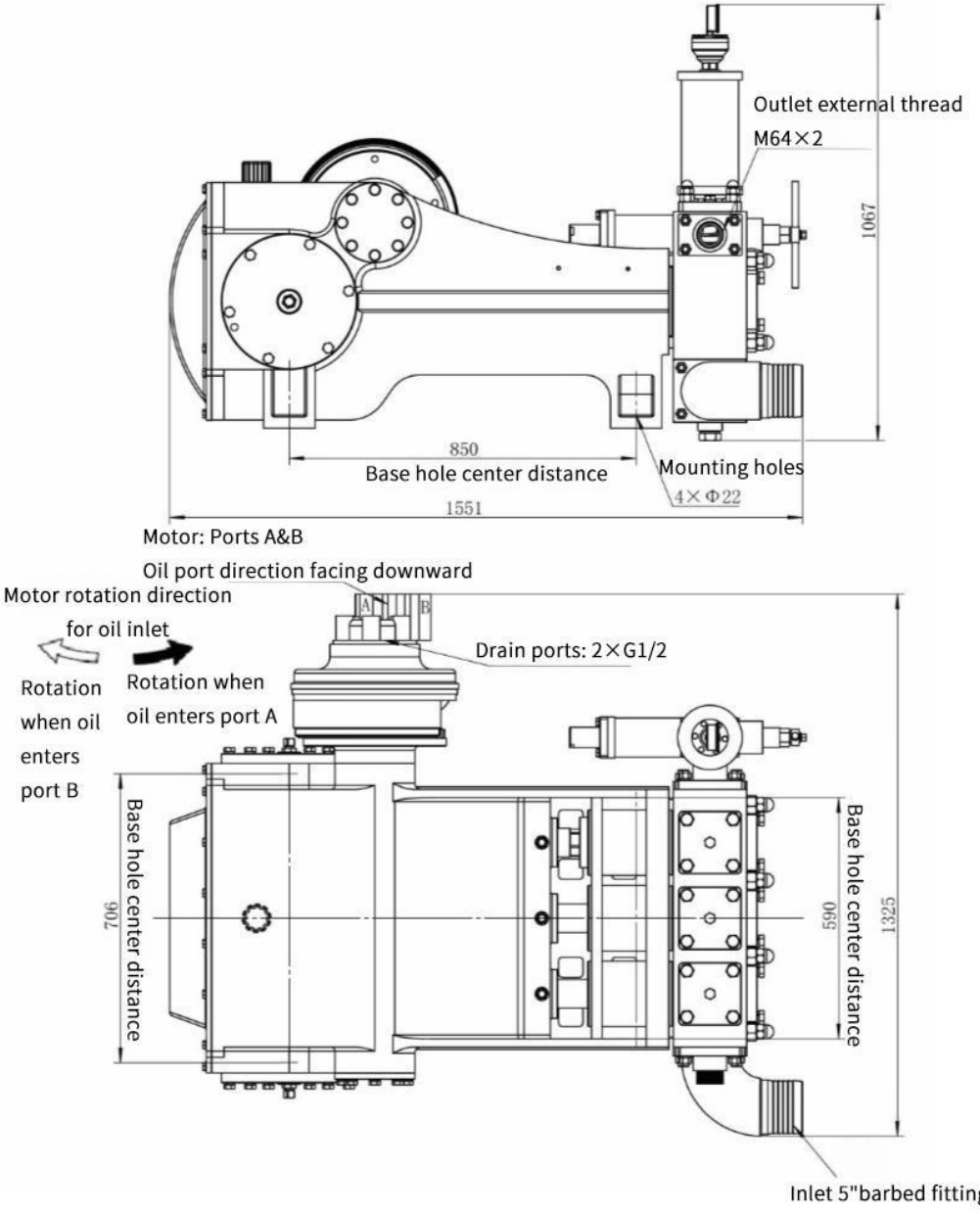


The DXBH-1200 reciprocating pump is a horizontal triplex single-acting piston pump driven by a dual-displacement hydraulic motor. Primarily designed for use with approximately 150-ton trenchless drilling rigs, it can also serve other applications such as grouting, mine drainage, and long-distance water delivery. This pump offers two flow rates and two pressure settings. By remotely adjusting the hydraulic motor flow, it achieves gear shifting operations, eliminating the need for traditional manual gear changes. Incorporating innovative design concepts and structural improvements, it features high-efficiency, low-noise Valve check valves. Its compact structure, aesthetically pleasing appearance, and user-friendly installation/maintenance design ensure extended service life for wear 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 displacemnt(ml/r)	246 493
Input power(Kw)	100
Maximum suction height (m)	2.5
Inlet connection	Φ130
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

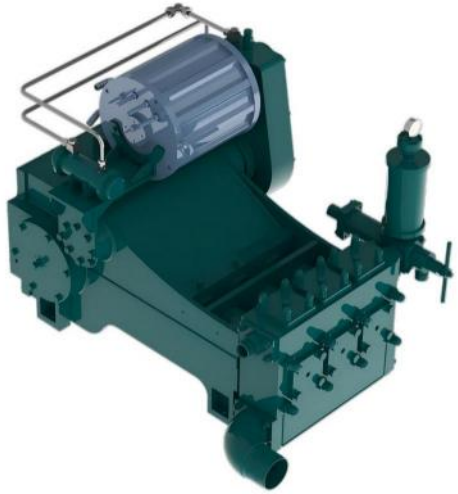
The product specifications and images provided may change due to design improvements and upgrades. Please feel free to inquire for more information.

DXBH-1200 Outline Dimension Drawing



ELEPHANT

DXBH-1200E



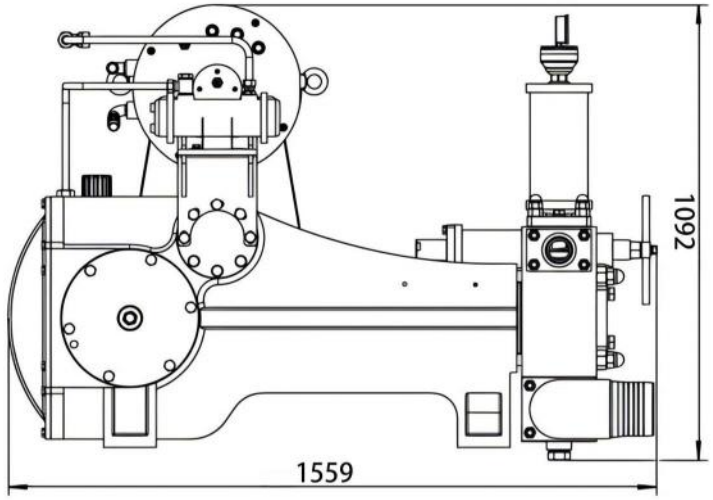
The DXBH-1200E reciprocating pump is a horizontal triplex single-acting piston pump driven by a permanent magnet synchronous motor. It is primarily designed for use with trenchless drilling rigs of around 120 tons, and can also be applied in grouting, mine dewatering, and long-distance water supply applications. The pump is adaptable to different borehole diameters and pullback operations. The design incorporates new concepts, structures, materials, and processes, resulting in a compact, lightweight, and aesthetically pleasing unit. The pump body, crankshaft, connecting rod, crosshead, pump head, and related components are designed with high series and interchangeability for easy installation and maintenance. It features long wearing part life and high reliability.

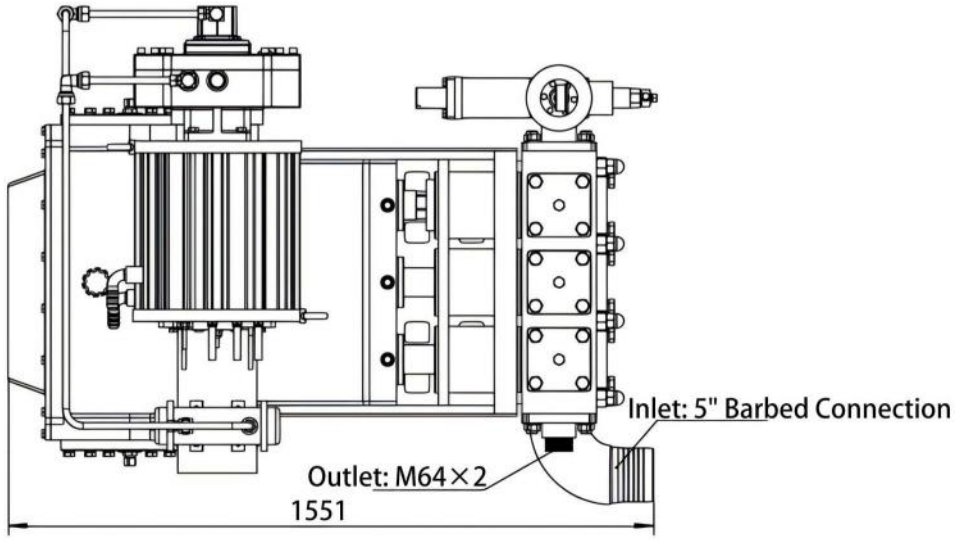
Horizontal triplex reciprocating single acting piston pump	
Stroke（mm）	150
Cylinder Diameter（mm）	125
Pump Speed (r/min)	109－218
Flow Rate (L/min)	600－1200
Pressure (MPa)	8－4
Rated Power (kW)	100
Overall Dimensions (mm)	1551×1194×1092
Weight (kg)	1778
Motor Model	TYC100-1750-Z200M12
Rated/Max. Current (A)	192/326
Rated/Max. Speed (r/min)	1750/3500
Rated/Peak Power (kW)	100/170

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

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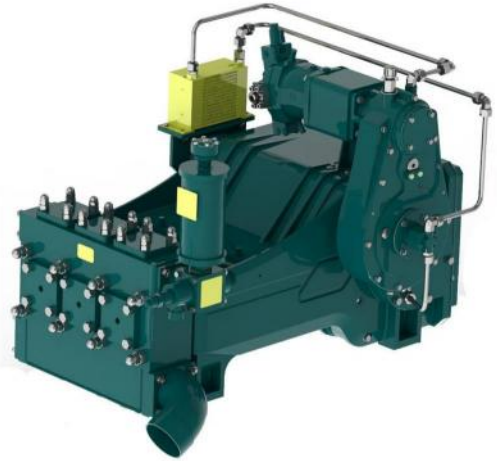
DXBH-1200E Outline Dimension Drawing





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DXBH-1200Y



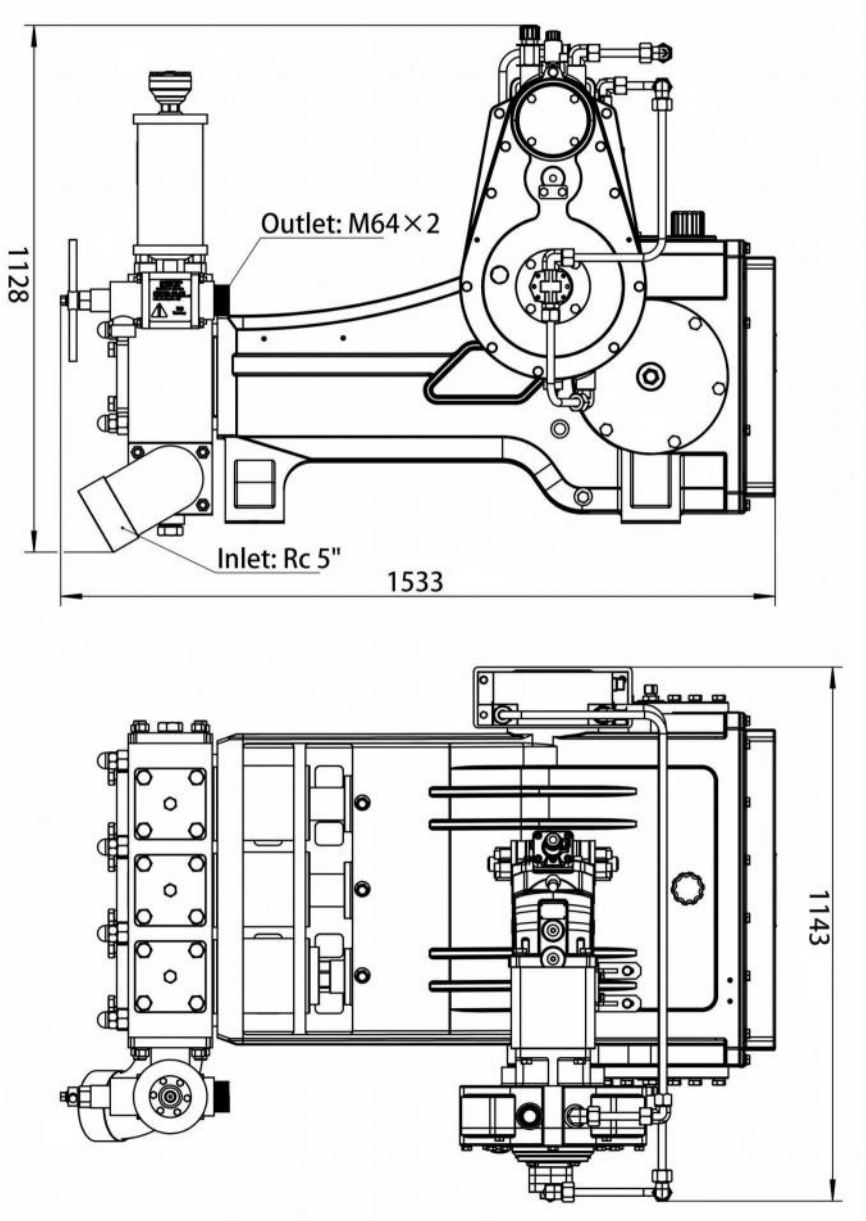
The DXBH-1200Y reciprocating pump is a horizontal triplex single-acting piston pump driven by a hydraulic motor. It is primarily designed for use with trenchless drilling rigs of around 150 tons, and can also be applied in grouting, mine dewatering, and long-distance water supply applications. The pump offers two flow settings and two pressure settings, providing a wide range of flow and pressure variations to suit different borehole diameters and pullback operations. The design incorporates new concepts, structures, materials, and processes, resulting in a compact, lightweight, and aesthetically pleasing unit. The pump body, crankshaft, connecting rod, crosshead, pump head, and related components are designed with high series and interchangeability for easy installation and maintenance. It features long wearing part life and high reliability.

Horizontal triplex reciprocating single acting piston pump	
Stroke（mm）	150
Cylinder Diameter（mm）	100
Pump Speed (r/min)	177 142 118
Theoretical Flow Rate (L/min)	627 500 417
Pressure (MPa)	8 10 12
Motor Displacement (ml/r)	71 89 107
Power (kW)	100
Overall Dimensions (mm)	1533×1143×1128
Weight (kg)	1685
Motor Model	L6VM107MA/63W-VAB010B-0500
Motor Power (kW)	100
Motor Pressure (MPa)	300
Motor Flow Rate (L/min)	228

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

ELEPHANT

DXBH-1200Y Outline Dimension Drawing



DBW-100（Motor power）

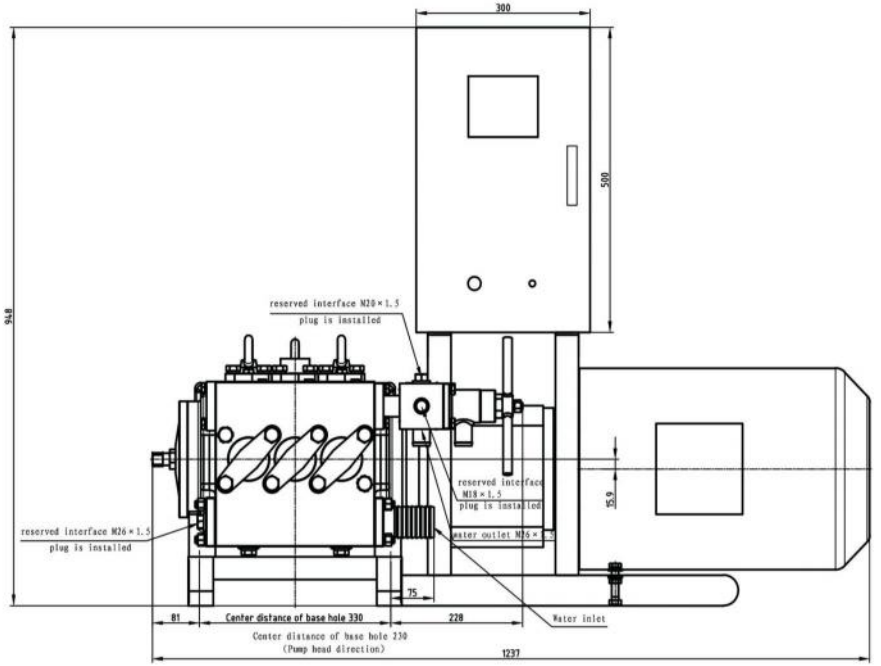


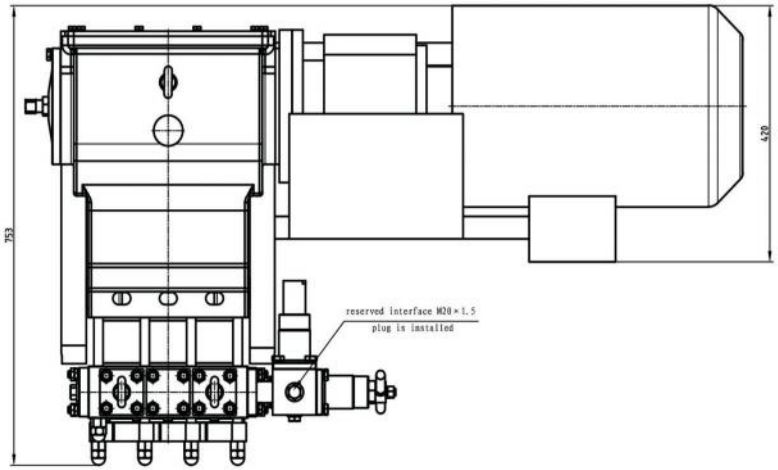
The DBW-100 reciprocating pump is a horizontal triplex reciprocating single-acting piston pump, driven by a variable frequency electric motor through a coupling reduction gear. It is mainly used for conveying flushing fluid to the drill hole during geological core drilling, and can also be used for other 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

