
37M TRUCK MOUNTED BOOM PUMP

Accomplish Complicated Concrete Missions

37m truck mounted boom pump works in different kinds of construction sites and complicated situations of concreting. The light weight and firm boom system mounted on ISUZU truck brings the perfect experience for users of concrete pumping.



Highlights

- *Strong and reliable power system
- *Stable hydraulic system
- *High-efficiency pumping system
- *Light weight boom and outrigger
- *Low-consumption and high-efficiency lubrication system
- *High-efficiency cooling system
- *Ergonomic operating control system



Specification

STRONG AND RELIABLE POWER SYSTEM

- a) Chassis: Isuzu chassis provides powerful performance at low cost.
 b) Transfer case: STIEBEL brand transfer case features durability, power, efficiency, and reliable operation.

CHASSIS	
Chassis Model	ISUZU CYZ51Q
Emission Regulation	EURO III
Engine type	6WF1A
Engine Rated Power	265KW/1800rpm
Engine Displacement	14.256L
Driving Type	6x4
Wheelbase	4595+1310mm
MAX.Travel Speed	89km/h
Min.Turning Radius	8.8m
Approach/Departure Angle	34°/13°
Tyre Type	295/80R22.5

STABLE HYDRAULIC SYSTEM

German Rexroth-produced double-pump and double-circuit open hydraulic system. The swing cylinder features rapid reversal and light impact. The electronically controlled reversing system is simple to use and easy to maintain. The unique design of the independent oil and water tanks facilitates easy maintenance. A superior filtration system assures hydraulic oil purity.

HYDRAULIC SYSTEM	
Hydraulic System Type	Open Loop
System Working Pressure	32MPa
Main Hydraulic Pump	Rexroth
Main Hydraulic Pump Type	A11VLO190
Main Hydraulic Pump Displacement	190ml/r
Main Hydraulic Directional Valve	VICKERS
Oil Suction&Return Filter	HYDAC/LEEMIN
Multi-Way Valve	HAWE
Pressure Relief Valve	ATOS
Hydraulic Seals	Parker
Hydraulic Hose	MANUL/Parker
Hydraulic Oil Tank Capacity	500L
Water Tank Capacity	300L
Water Pump	Black cat

LIGHTWEIGHT BOOM AND OUTRIGGER

WELDOX high-strength steel made by Swedish SSAB is used throughout the boom and outrigger, providing a high strength-to-weight ratio and excellent durability. The balance valve is made by Hawe of Germany and comes with an overload buffer protection function, greatly improving reliability.

BOOM SYSTEM	
Max.vertical reach	36.6M
Max.horizontal reach	32.6M
Reach depth	23.7M
Unfolding height	6.5M
1st Arm Length	8800MM
2nd Arm Length	8000MM
3rd Arm Length	8000MM
4th Arm Length	7900MM
Boom control mode	Manual/Wireless Remote
Boom Type	R
Boom section articulation	90/180/180/240
Slewing range	±360°
Front Outrigger spread	7100MM
Rear Outrigger spread	7800MM
End hose length	4M
Arm attached pipeline diameter	125MM

HIGH-EFFICIENCY PUMPING SYSTEM

- The volume of the hopper can be filled up to 0.6m³. The inner wall is arced to prevent material accumulation and promote suction power.
- Wear-resistant eye plates and cutting ring are used for the S-valve for durability and low maintenance costs.
- The mixing system is driven by a hydraulic motor with a simple transmission structure for easy maintenance.
- Rational blade design improves concrete suction and can automatically reverse if sticking. After reversing, it can return to normal rotation.

PUMP SYSTEM	
Concrete Valve	S Valve
Max.Concrete Output	High/Low Pressure: 82/138m ³ /h
Max.Concrete Pressure	High/Low Pressure: 9.4/5.5MPa
Hydraulic Strokes/Pumping frequency	High/Low Pressure: 17/27Min-1
Rated working pressure	32MPa
Hydraulic oil cooling	Air cooling
High And Low Pressure Exchanger	Available
Hydraulic Cylinder Bore/Stroke	Φ125*1900mm
Concrete Cylinder Bore/Stroke	Φ230*1900mm
Hopper Charge Height	≤1490MM
Concrete Hopper Capacity	600L
Concrete Slump	140-230MM
Max.Aggregate Diameter	40MM

ERGONOMIC OPERATING CONTROL SYSTEM

Comes with three operating modes: Electrical cabinet panel operation, wireless remote control operation, and manual emergency operation.

ELECTRICAL SYSTEM	
Power Supply	From Chassis
Control Module	HESOMOR
Working Voltage	DC24V
Relay	OMRON
Proximity Switch	NBN8-18GM50-E0
Wireless Remote Controller	HBC

LOW-CONSUMPTION AND HIGH-EFFICIENCY LUBRICATION SYSTEM

The centralized lubrication system provides low consumption and high efficiency and the servo-lubricating grease pump provides excellent performance. A multi-blade progressive lubricating grease distributor comes with a clog indicator for all the respective lubricating points, and the jam of an individual fluid circuit will not affect normal work.

DIMENSIONS & WEIGHT	
Overall Length	11850MM
Overall Width	2490MM
Overall Height	3940MM
Total weight	27000KG

