

CONCRETE BOOM PUMP

DASWELL

Dedicated to provide better machinery

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 **DASWELL**
HENAN DASWELL MACHINERY CO.,LTD.

We help to build a better world 

CONCRETE BOOM PUMP

Customers First | Dedication | Perseverance

D & W



Company introduction

2024



Daswell is a China based high quality machinery supplier. Our company has over 30 years experience. With several producing bases in China, we can provide many kinds of heavy machinery with high quality.

So far, our products are exported to more than 80 countries overseas, such as Germany, USA, Norway, Ireland, Philippines, Indonesia, Egypt and so on. In order to provide better service to customers, we established subsidiary companies and branch offices in different countries, like Philippines, Indonesia, Pakistan, Egypt, Peru, and Uzbekistan.

We are growing mainly by our good reputation year by year, as we always promise to supply high quality products with good service all the time.

Daswell aims to provide better machinery to create more value for customers, and help to build a better world together.

Company History Timelines

The Pursuit of excellence



OFFICE ADDRESS

China offices : No.2 CBD, Zhengzhou New District, Zhengzhou City
Qingzhou city, Shandong Province

Philippines branch company : Henan Daswell Machinery (Philippines) INC. Phase 6 B5L12A
Lot 9 Brookside lane Brgy. San Francisco along Arnaldo, Highway Gen Trias Cavite, the Philippines.

Indonesia branch company : PT. Daswell Indonesia Group
Komplek Pergudangan Green Sedayu Biz Park Cakung Blok GS 9 No. 35, Kel.
Cakung Timur, Kec. Cakung, Jakarta Timur 13910

Pakistan branch company : DASWELL MACHINERY PAKISTAN (PRIVATE) LIMITED
57 HAJVERY COMPLEX, 2-MOZANG ROAD, LAHORE, Lahore Data Gunj Bukhsh Town

Bangladesh branch company : DASWELL MACHINERY BANGLADESH LTD.
F-106, Mohakhali School Road, Dhaka-1212

Egypt office : Elmejaraj Elsofly, Cairo Building no 7127 Flat no. 1

Malaysia branch company : DASWELL MACHINERY MALAYSIA SDN. BHD.
VO3-10-23A, SUNWAY VELOCITY DESIGNER OFFICE, LINGKARAN SV, SUNWAY VELOCITY,
JALAN COCHRANE 55100 KUALA LUMPUR W.P.KUALA LUMPUR MALAYSIA

Peru branch company : DASWELL PERU E.I.R.L
Number 651 K Carrer JR. THE TREASURE,URB. TUPAC AMARU, SAN LUIS, LIMA, PERU.

Mexico branch company : DASWELL MEXICO SA DE CV
Rio Guadiana 11, Colonia Cuauhtémoc, Mayor's OfficeCuauhtemoc, Mexico City, Mexico

Uzbekistan branch company : DASWELL LLC
9,Novesergeliyskaya str. Sergeli district, Tashkent city

Russia branch company : Michurinsky prospect, 19, Moscow



Concrete boom pump

Concrete boom pump is a high-efficiency concrete delivery equipment that integrates driving, pumping, and distribution. DASWELL Concrete boom pump has high reliability, high economy, high safety and high durability, providing sufficient guarantee for various construction occasions.

365° No dead angle rotation
rotation from A-Z

22-62m 22-62m free to choose
the pumping height



Pioneer technology benchmark products

Leading the high-quality development of the industry

NO.1

Intelligent electronic control More user-friendly use

- One-button start, remote start and stop engine through wireless remote control, more convenient operation
- Real-time detection of system operating status, the fault information is displayed on the display, effectively shorten the troubleshooting time.



Smart Remote



Control system

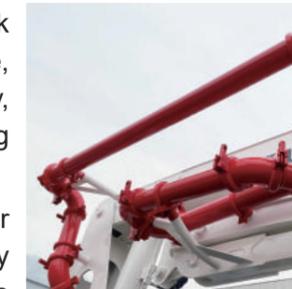
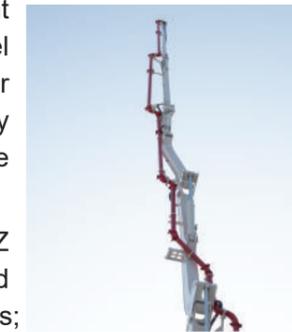


P. U M P

NO.2

Intelligent boom Better passability

- Through the research and development of lightweight boom structure and processing technology, using Baosteel high-strength plate, weight reduced by 10% than similar products, more stable performance, with frequency conversion anti-fibrillation function, the boom is more stable;
- The height above 33m adopts the new 5RZ and 6RZ boom, which increases the placing height by 15% and the placing range by 20% compared with other products;
- More powerful swing, more stable rotation, break through the traditional hydraulic control reversing mode, adopting advanced electronic control reversing technology, reversing time is very short, at the same time using reversing protection, more reliable;
- Limiting the activity height for indoor construction or outdoor construction with obstacles above can effectively prevent the damage caused by the boom touching the top.



PUMP

NO.3

Strong pump power More efficient delivery

- Using Yuchai, Weichai and other engines, the advantages of low speed and high torque are obvious;
- Electric control commutation technology, commutation time reduced by 10%, pumping efficiency increased by 20%;
- The pumping system is equipped with large diameter conveying cylinder, with the advantages of good suction performance, less reversing times, large outlet pressure and high pumping efficiency.

NO.4

Structural improvement More stable body

- Improve structural design, strengthen rigidity, reduce vibration, improve the stability of the vehicle;
- The body length is short, the height is low, the weight is light, has the good passability, the unilateral construction is safe and reliable, the construction site requirements are small.



NO.5

Hydraulic upgrade **Rich configuration**

- The hydraulic system is safe and reliable, the working duration is long, and the hydraulic parts have a long life.
- The dynamic balance technology is adopted to control the oil temperature of pumping working state system within a reasonable range and solve the intermittent shutdown caused by high oil temperature.
- Hydraulic oil level automatic detection and heat dissipation technology, automatic detection of hydraulic oil and oil temperature, real-time protection of oil pressure system;
- The cleanliness of hydraulic oil has been improved from NAS9 to 7, greatly reducing the early startup failure of hydraulic system.



NO.6

Fully upgraded chassis **More environmentally friendly exhaust**

- The chassis is fully upgraded. The chassis uses new technology to deal the exhaust gas, making it more environmentally friendly.
- In wear resistance of wearing parts, new wear resistant materials, processes and technologies are adopted to greatly improve the life of wearing parts and reduce maintenance difficulties.



Life
increases
↑5-10%



↑5% Increased environmental protection

High-quality components -creating high-quality products

Pumping piping system:
The pumping pipeline is a composite double-layer wear-resistant conveying pipe with a wear resistance of 50,000 cubic meters.

Boom system:
Boom speed stepless adjustment, with pressure compensation.

Main seals:
Using American Parker products.

Main oil pump
The main oil pump adopts Rexroth, with overpressure overflow function to ensure the smooth operation of the system

HBC-Remote
The wireless remote controller realizes the stepless variable speed adjustment of the boom.

Hydraulic hose joints
Hydraulic hose joints adopt Eaton products from the United States to ensure the safety of hydraulic system and no leakage.

Electric control system
Adopt German HBC, IFM, ESL controller, realize fault self-checking.

Boom and outrigger hydraulic system:
The boom multi-way valve adopts German Harvey, which can not only be controlled remotely, but also can be operated manually in emergency situations.

transfer case
Adopt imported transfer case.

Hopper:
Newly optimized overall stamping hopper, suction efficiency increased by 20%, non-sticky, easy to clean.

Electric hydraulic system
The electrical signal transmits the signal, making the operation more accurate.



small

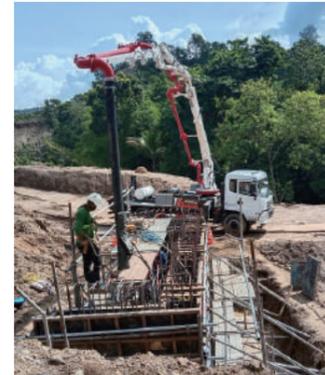
Parameter		TMBP22	TMBP25	TMBP30	TMBP33	TMBP38	
Whole truck	Overall dimension (L*W*H) (mm)	10000*2100*3250	9600*2300*3300	9850*2350*3500	9850*2350*3540	10250*2500*3720	
	Weight (kg)	16000	17000	19500	22600	22600	
	Drive way	4x2	4x2	4x2	4x2	4x2	
	Engine	Yuchai	Yuchai	Yuchai	Yuchai	Man	
	Output power/speed (kw/rpm)	147/2000	147/2000	177/2000	177/2300	228/2300	
	Emission standard	Euro V	Euro V	Euro V	Euro V	Euro V	
	Tire size	9.00R20 16PR	9.00R20 16PR	11.00R20 16PR	11.00R20	12.00R20	
	Wheelbase (mm)	4700	4700	4700	5200/5000	5200/5000	
	Vertical height (m)	21.9	25.5	29.7	33	38	
	Horizontal length (m)	18.1	21.7	29.5	29.5	33.2	
	Vertical depth (m)				19	22	
	Fold type	M(three arms)	M(four arms)	M(four arms)	5RZ	5RZ	
	Arm & leg	First arm	Length (mm)		6600	7200	7000
Angle (°)			90	90	90	90	90
Second arm		Length (mm)		5200	6300	5600	6200
		Angle (°)	180	180	180	180	180
Third arm		Length (mm)		5100	6300	5400	6100
		Angle (°)	180	240	240	180	180
Forth arm		Length (mm)	-	4800	6500	5700	6700
		Angle (°)	-	180	180	229	229
Fifth arm		Length (mm)	-	-	-	5700	6700
		Angle (°)	-	-	-	212	212
End hose length (m)		3	3	3	3	3	
Rotary angle (°)		±360	±360	±360	±360	±360	
Front leg span (mm)		4850	5350	5840	5800	6800	
Rear leg span (mm)	3300	3300	5840	8350	8350		
Distance between front and rear leg	5200	6100	6300	6800	6800		
Leg open method	Front	X type	X type	X type	X type	X type	
	Rear	H type	H type	Swing type	Swing type	Swing type	
Theoretical capacity (m3/h)	Low pressure	80	80	80	140	140	
	High pressure	50	50	50	83	83	
Theoretical pumping pressure (MPa)	Low pressure	8.5	8.5	8.5	8	8	
	High pressure	10.5	10.5	10.5	12	12	
Theoretical pumping times	Low pressure	26	26	26	39	39	
	High pressure	18	18	18	23	23	
Distribution valve	S valve	S valve	S valve	S valve	S valve		
Delivery cylinder inner diameter/stroke(mm)	200/1200	200/1200	230/1450	230/1600	230/1600		
Main oil pump displacement (ml/r)	140	190	190	190	190		
Hopper capacity (m3)	0.65	0.65	0.65	0.5	0.5		
Feeding height (mm)	1450	1450	1450	1450	1450		
Pipe diameter (mm)	125	125	125	125	125		
Maximum aggregate size (mm)	40	40	40	40	40		
Concrete slump	160-220	160-220	160-220	160-220	160-220		
Oil pressure system (MPa)	31.5	31.5	31.5	31.5	31.5		
Hydraulic tank capacity (L)	400	450	450	500	500		
Hydraulic system	Open	Open	Open	Open	Open		
High/low pressure switchover	Automatic	Automatic	Automatic	Automatic	Automatic		
Hydraulic oil cooling mode	Air cooling	Air cooling	Air cooling	Air cooling	Air cooling		
Concrete pipe cleaning method	Water cleaning	Water cleaning	Water cleaning	Water cleaning	Water cleaning		
Lubrication way	Centralized lubrication	Centralized lubrication	Centralized lubrication	Centralized lubrication	Centralized lubrication		

big

Parameter		TMBP38	TMBP42	TMBP47	TMBP50	TMBP58	
Whole truck	Overall dimension (L*W*H) (mm)	10500*2500*3850	11350*2500*3850	11350*2500*3950	12450*2500*3950	820*2500*4000	
	Weight (kg)	25000	25000	33000	33000	44000	
	Drive way	6x4	6x4	6x4	6x4	8x4	
	Engine	Yuchai	Yuchai	Yuchai	Yuchai	MC11.44-50	
	Output power/speed (kw/rpm)	243/2100	243/2100	243/2100	243/2100	327/1900	
	Emission standard	Euro V					
	Tire size	11.00R20	11.00R20	11.00R20	11.00R20	385/65R22 5/315/80R22.5	
	Wheelbase (mm)	4350+1300	4350+1300	4350+1300	4350+1300	1950+4500+1400	
	Vertical height (m)	38	40.1	47	50	57.6	
	Horizontal length (m)	34.1	36	42	46	52	
	Vertical depth (m)	22.8	23.6	29.4	36.2	38	
	Fold type	5RZ	5RZ	5RZ	6RZ	6RZ	
	Arm & leg	First arm	Length (mm)	7500	8850	9500	10000
Angle (°)			90	90	89	89.5	90
Second arm		Length (mm)	6500	6700	7700	8300	9534
		Angle (°)	180	180	180	180	180
Third arm		Length (mm)	6300	6500	7550	8000	9055
		Angle (°)	180	240	240	180	180
Forth arm		Length (mm)	6800	7000	8900	9850	11362
		Angle (°)	229	229	243	243	240
Fifth arm		Length (mm)	7000	7100	9000	5550	7271
		Angle (°)	212	212	214	225	220
Sixth arm		Length (mm)	-	-	-	4300	4653
		Angle (°)	-	-	-	90	110
End hose length (m)		3	3	3	3	3	
Rotary angle (°)	±360	±360	±360	±360	±360		
Front leg span (mm)	6800	6800	8500	9280	9475		
Rear leg span (mm)	8350	8350	9400	10400	12853		
Distance between front and rear leg	6800	6800	9000	9800	10483		
Leg open method	Front	X type					
	Rear	Swing type					
Theoretical capacity (m3/h)	Low pressure	140	140	163	163	180	
	High pressure	83	83	97	97	120	
Theoretical pumping pressure (MPa)	Low pressure	8	8	8	8	8.5	
	High pressure	12	12	12	12	12	
Theoretical pumping times	Low pressure	39	39	32	32	25	
	High pressure	23	23	19	19	18	
Distribution valve	S valve	S valve	S valve	S valve	S valve		
Delivery cylinder inner diameter/stroke(mm)	230/1600	230/1650	260/1800	260/1600	260/2200		
Main oil pump displacement (ml/r)	190	190	260	260	320		
Hopper capacity (m3)	0.5	0.5	0.5	0.5	0.5		
Feeding height (mm)	1450	1450	1450	1450	1500		
Pipe diameter (mm)	125	125	125	125	125		
Maximum aggregate size (mm)	40	40	40	40	40		
Concrete slump	160-220	160-220	160-220	160-220	160-220		
Oil pressure system (MPa)	31.5	31.5	31.5	31.5	31.5		
Hydraulic tank capacity (L)	500	500	700	700	700		
Hydraulic system	Open	Open	Open	Open	Open		
High/low pressure switchover	Automatic	Automatic	Automatic	Automatic	Automatic		
Hydraulic oil cooling mode	Air cooling	Air cooling	Air cooling	Air cooling	Air cooling		
Concrete pipe cleaning method	Water cleaning	Water cleaning	Water cleaning	Water cleaning	Water cleaning		
Lubrication way	Centralized lubrication	Centralized lubrication	Centralized lubrication	Centralized lubrication	Centralized lubrication		

Project case

Daswell concrete boom pump



Daswell Concrete boom pump are all over the country and exported to more than 40 countries and regions. The sales volume of construction machinery and equipment has been in the forefront of the world for many years.

Corporate culture

Build a better world with high-quality products

With 38 years of focus on machinery and equipment manufacturing, we adhere to the original intention, only to make better machinery and equipment.

1986-2024

Enterprise mission: build a better world.

Enterprise vision: Let more customers around the world use better construction machinery, and create more value for customers.

Enterprise values: customer-oriented, dedicated employees as our foundation, take an unremitting effort.

After-sales service

Daswell--Be a good helper to customers

DASWELL upholds the integrity management, customer first service tenet, in addition to the excellent product and excellent solution design, DASWELL also has a thoughtful perfect pre-sale and after-sale technical services, help solve the problems from project consultation, field survey, and sample analysis to the project design, installation, debugging, maintenance, etc. Ensure that all parts are properly connected with customers and timely solve customer needs.

- DASWELL has skilled and experienced after-sales maintenance service engineers, who can timely provide satisfactory solutions to customer problems.
- We will build a WeChat group or WhatsApp group for each customer. If you have any questions, you can feedback at any time. We will provide uninterrupted service for you 24 hours, 365 days.
- Within the warranty period (within 12 months from the date of completion of debugging), we will provide repair for the damage caused by human causes, and only charge the cost price for the materials and accessories used in the repair. Our company is responsible for the repair or replacement of any problem or damage caused by non-human causes.
- Adequate parts library. There are various types of accessories for all kinds of equipment in the accessories library to prevent the operation and production of customer equipment from being delayed due to the lack of accessories.

