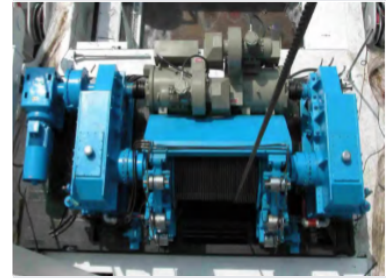


Heavy-Duty Drawworks System

The drawworks system is designed for hoisting and lowering drill strings and casing in drilling rigs. It features a main brake, auxiliary brake, separate AC VF drive device and computer auto control system.



ADDITIONAL IMAGES



Overview

Heavy-Duty Drawworks for Global Drilling Operations

This comprehensive series of drawworks is designed to meet the rigorous demands of modern oilfield operations, offering power ratings from 350HP to 4000HP. Engineered for versatility, these systems support load capacities ranging from 90 to 900 metric tons, making them suitable for a wide variety of rig configurations. With advanced drive options including AC VFD and DC SCR, these drawworks ensure reliable hoisting and precise control for optimized drilling performance.

Performance Range

Power Capacity Range

350 HP

Minimum Power

4000 HP

Maximum Power

Load Capacity Range

90 to 900 metric tons

Drive & Control

Control & Automation

- Computer auto control system
- Auto bit feeding function
- Real-time monitoring and analysis
- Tripping and drilling condition control
- Optimized drilling operation software

Available Drive Modes

AC VF Drive, DC SCR Drive, Mechanical Drive, Direct AC Motor Drive

Braking Systems

Main Brake Options

Band Brake • Hydraulic Disc Brake

Auxiliary Brake

Eddy current brake

Technical Specifications

Technical Parameters

	JC15CZ	JC30D	JC40DB	JC50L	JC70D	JC90DB
Rated Output	1500	3000	4000	5000	7000	9000
Rated VFD	4.0/2	8.0/2	10.0/2	12.5/2	17.5/2	22.5/2
Max. Input Power	335	800	1000	1100	1600	4000
Draw Size (D x W)	400x300	500x350	600x400	700x450	800x500	900x550
Shift Gears	5+1R	4+4R	1+1R	4+2R	4+4R	1+1R
Overall Dimension	410x150	410x150	410x150	410x150	410x150	410x150
Weight	9500	33760	22380	37000	60500	72000

Detailed technical specifications including drilling depth, input power, and dimensions for the JC series drawworks.

Drawworks Model Specifications

Model	Nominal Depth (m)	Max Input Power (kW)	Shift Gears	Weight (kg)
JC15CZ	1500	335	5+1R	9500
JC30D	3000	800	4+4R	33760
JC40DB	4000	1000	1+1R	22380
JC50L	5000	1100	4+2R	37000
JC70D	7000	1600	4+4R	60500
JC90DB	9000	4000	1+1R	72000

Mechanical Design

Gear Configuration

- One step parallel gear
- Planetary gear
- Single shaft driven

Design Advantages

Small Size, Light Weight, Low Maintenance, High Reliability