

Drilling Motors

Drilling motors designed to enhance drilling efficiency and decrease operational costs. These AC motors feature a squirrel cage rotor and are suitable for drawworks, drilling pumps, rotary tables, and top drive devices.



ADDITIONAL IMAGES



Overview

High-Performance Drilling Motors

These AC and DC traction motors are engineered for demanding petroleum prospecting and petrochemical applications. Designed with a squirrel-cage rotor structure for high strength and low rotational inertia, they ensure reliable operation in severe environments while improving acceleration performance. With power ranges from 30 KW to 4500 KW, these motors provide high efficiency and energy savings for drawworks, drilling pumps, and top drive devices.

Technical Features

Design & Construction

- Preformed stator windings with VPI vacuum pressure varnishing
- High-strength squirrel-cage rotor structure
- Low rotational inertia for improved drawworks response
- Interchangeable installation dimensions with international standards
- Direct-driving options for low noise and high torque

Insulation & Cooling

VPI Vacuum Pressure Impregnation • High Strength Rotor • Energy Saving • Low Noise

Performance Metrics

Key Performance Metrics

30 KW

Min Power Range

4500 KW

Max Power Range

97 %

Peak Efficiency

Applications

Supported Equipment

Drawworks, Drilling Pump, Rotary Table, Top Drive Device, ZJ10DBS - ZJ120DBS Rigs, Petrochemical Engineering

Model Specifications

Product List

No.	Model	Rated Power (KW)	Rated Voltage (V)	Rated Torque (N-m)	Max Speed (RPM)	Exciting Mode
1	HTB01	600	600	7056	2600	Series
2	HTB03	800	600	10310	2200	Series
3	HTB05	1200	600	11459	2200	Series
4	HTB12	1200	575	26975	700	Series
5	HTB27A	4500	3300	34833	1268	Series

Detailed performance parameters including rated power, torque, and speed ranges for various motor models.

AC Drilling Motor Specifications

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HTB01	600	600	7056	2600
HTB03	800	600	10310	2200
HTB05	1200	600	11459	2200
HTB12	1200	575	26975	700
HTB27A	4500	3300	34833	1268

DC Motor Series

DC Motor (HTZ Series) Data

Model	Nominal Power (KW)	Nominal Voltage (V)	Max RPM	Exciting Mode
HTZ01	800	750	2600	Series