

# Diesel Engine Concrete Pump

This diesel engine concrete pump is designed for efficient and reliable concrete placement. It features a high-capacity hopper and durable chassis, making it suitable for various construction applications.



## Product Overview

### High-Performance Diesel Concrete Pump

The HBT80R/1816S is a robust diesel-powered concrete pump designed for high-capacity construction projects. Featuring a powerful 145KW engine and a large 0.72m<sup>3</sup> hopper, it delivers a maximum theoretical throughput of up to 85m<sup>3</sup>/h. This mobile unit is engineered for reliability and independence on job sites where external power sources are limited.

## Performance Metrics

### Key Performance Metrics

**85 m<sup>3</sup>/h**

Max Theoretical Throughput

**13.5 Mpa**

Max Pumping Pressure

**145 KW**

Engine Power

### Operating Modes

- High Volume Mode: 85m<sup>3</sup>/h @ 8Mpa
- High Pressure Mode: 42m<sup>3</sup>/h @ 13.5Mpa

## Engine & Power

### Engine Specifications

Component	Specification
Diesel Model	TBD226B-6
Engine Power	145KW
Oil Tank Capacity	650L

## Pumping System

### Pumping System Details

- Distributing valve form: S tube
- Main oil pump: A11VLO190
- Main cylinder diameter/stroke:  $\text{Æ}125/180\text{mm}$
- Concrete cylinder diameter/stroke:  $\text{Æ}200/180\text{mm}$
- Discharge diameter:  $\text{Æ}180\text{mm}$

## Physical Dimensions

### Physical Specifications

Attribute	Value
Overall Dimensions (LxWxH)	6680x2280x2150mm
Machine Weight	6530kg
Hopper Volume	0.72m3
Loading Height	1350mm