

Truck Mounted Cementing Equipment

As the core product of cementing equipments, the truck mounted cementing equipment has been most widely used for decades. At present, the chassis of domestic and foreign brands are mainly utilized, such as Volvo, Benz, MAN, Kenworth and North Benz, etc., with main drive modes as 6X6, 8X4 and 8X6. Based upon different operating conditions, three modern plunger pumps with various plunger sizes are optional: TPA400, TPH400 and TPB600.

PCT-511B Single Pump Cementing Truck



Overview

PCT-511B system is a truck-mounted single pump cementing unit with TPH400 plunger pump. Standard configuration should be equipped with North Benz 2535A 6X6 chassis.

The input shaft of TPH400 pump is paralleled with centre line of engine, so the fluid end is at the rear of unit. This inline installation feature makes the maintenance and service of pumps easier. Compared with other cementing plunger pumps with same plunger size, TPH400 pump has features of maximum operation pressure, long stroke and high self-priming capacity.

General specification:

Net Weight:	24,000 Kg
Dimension(mm):	9700(L) X 2500(W) X 4200(H)

Pressure Range:	Max. 76.2 MPa (11,200 Psi, 4 1/2" fluid end)
Max. Rate:	1.50 m ³ /min
Density Range:	1.3~2.5 g/cm ³ ±0.012 g/cm ³
Mixing capacity:	0.3~2.0 m ³ /min
Working Temp:	-20°C~50°C

Features:

1. 1m³ surge tank available, utilized to make bulk delivery more stable so as to improve the accuracy of auto control system and slurry quality.
2. The mixing power is partially supplied by chassis engine which increases the actual operation power of main engine.
3. TPH400 inline installation makes the maintenance and service of pumps easier.
4. High energy recirculating jet mixing system.
5. Off-center dry cement valve avoids bulk from choking.
6. Emergency kill system of air inlet shutoff.
7. SPS non-leakage packing system.
8. Plunger pump overpressure protection system.
9. F300 Non-radioactive densitometer is easy to wash, safe and reliable.
10. Simplify operation, adapt to working habits in oilfield.
11. 10" operation screen, convenient to monitor the working data.
12. Portable wireless/wired data acquisition system.

Diesel fired coolant pre-heat system available. The heater allows the engine to be preheated before starting without the use of external power.