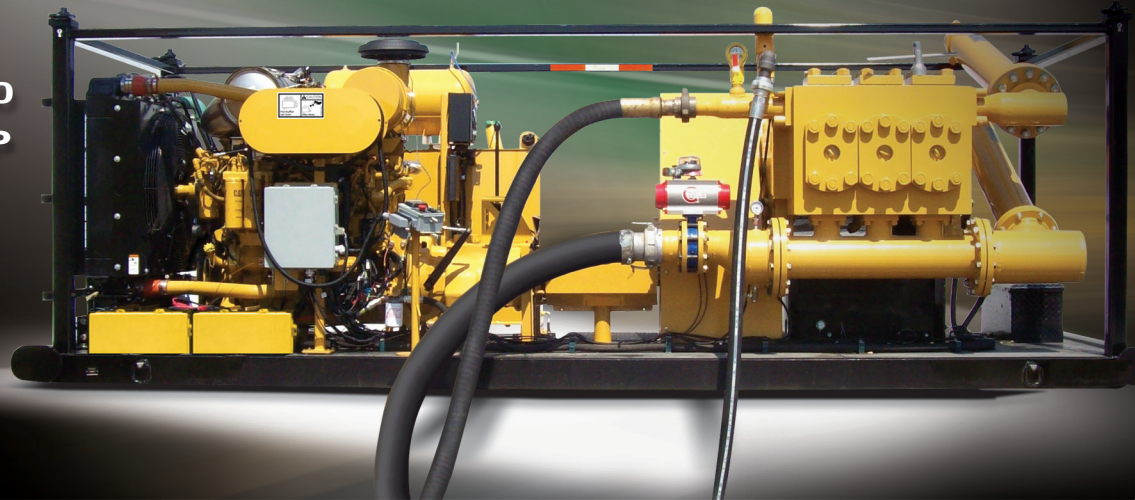


# THE SA400 MUD PUMP



The **SA400** is a standalone mud pump powered by a Tier 4 Interim (EU Stage IIIB) or Tier 3 (EU Stage IIIA) engine. It features an engine-mounted lubrication pump to provide constant flow through the system at any pump speed. During drill rod makeup/breakout, a clutch with continuous duty throw-out bearing allows extended clutch disengagement and a suction inlet valve suspends charged flow.

## SA400 PRELIMINARY SPECIFICATIONS

To learn more, please visit [VERMEER.COM](http://VERMEER.COM)

### General Dimensions and Weights

**Weight:** 26,600 lb (12,065.6 kg)  
**Length:** 19.1' (5.8 m)  
**Width:** 91.1" (231.4 cm)  
**Height:** 78" (198.1 cm)

### Controls

**Onboard:** Open control station  
**Remote:** Tethered control box reaches 120' (36.6 m)

### Power Source

**Power source description:** Non-detachable, onboard, open engine bay  
**Engine description:** CAT C9 or C9.3 ACERT IOPU  
**EPA certification family:** Tier 3 (EU Stage IIIA) or Tier 4i (EU Stage IIIB)  
**Fuel type:** Diesel  
**Rated power:** 350 hp (257.4 kW)  
**Rated engine speed:** 1800 rpm  
**Fuel tank capacity:** 191 gal (723 L)  
**Electrical system:** 24VDC

### Hydraulic Reservoir

**Hydraulic reservoir description:** Mud pump power end (internal to mud pump)  
**Hydraulic reservoir capacity:** 49 gal (185.5 L)

### Operational

**Electronic control systems**  
**Remote lockout:** Yes

### Transmission System

**Number of usable gears:** 4  
**Clutch description:** Eaton 15.5" (39.4 cm) dual plate, spring-actuated with pneumatic assist  
**Belt description:** 8V 12-groove

### Fluid Pumping System

**Description:** Standalone, open skid  
**High pressure pump**  
**Pump description:** Weatherford T425, triplex piston pump  
**Piston diameter:** 6" (15.2 cm)  
**Min flow rate at 100% efficiency:** 78 gpm (295.3 L/min)  
**Max flow rate at 100% efficiency:** 435.3 gpm (1647.8 L/min)  
**Relief valve setting:** 1250 psi (86.2 bar)  
**Lubrication system (power end)**  
**Power driver description:** Engine aux pad  
**Lubrication system (fluid end)**  
**Power driver description:** 24VDC  
**Pump(s) description:** Shurflo centrifugal pump

### Compressed Air System

**Compressor description:** Caterpillar  
**Compressor mounting type:** Engine aux pad  
**Flow rate @ max pressure:** 26 cfm @ 120 psi (736.2 L/min @ 8.3 bar)  
**Air tank volume:** 30 gal (113.6 L)

Equipment shown is for illustrative purposes only and may display optional accessories or components. Please contact your local Vermeer dealer for more information on machine specifications. Vermeer Corporation reserves the right to make changes in engineering, design and specifications; add improvements; or discontinue manufacturing at any time without notice or obligation. Vermeer and the Vermeer logo are trademarks of Vermeer Manufacturing Company in the U.S. and/or other countries.  
© 2011 Vermeer Corporation. All Rights Reserved.

