

# Seahawk cement unit 2300 BHP AC electric

## Available Options

- Fully remote control
- DNV/ABS/NORSOK/CE certifications
- Acoustical enclosures
- Automated liquid additive system (ALAS)
- Remote pressure testing
- Seawater cooling system
- Automated foam cement capable
- Batch mixing systems

## Features and Benefits

- High horsepower capabilities
- High energy mixing system delivers homogeneous slurries
- Near dust free environment
- Unit can be disassembled to fit through openings as small as 5 x 7 ft
- Provides 100% redundancy
- Controls, monitors, and records job parameters for online, post-job analysis

The Baker Hughes **Seahawk™ offshore cementing unit** provides reliable, automated mixing and pumping operations and reduces health, safety, and environmental risks.

## Health, Safety, and Environment

The **Seahawk™ cementing system** was designed with HSE as one of the guiding principles.

- Operators are isolated from high-pressure components and manifolds
- Fewer exposed rotating parts
- Near dust-free mixing environment
- Control panel location minimizes exposure to noise, vibration, and high-pressure components

The **Seahawk™ is a dual skid mounted cement mixing and pumping unit** that can be divided separate sections to simplify installation on offshore.

The unit is rated to 1966 hydraulic horsepower (HHP) and capable of working pressures up to 15,000 psi (1034 bar). One side uses a GE 1150 AC motor through a five speed transmission for multiple pumping rate capabilities, while the other side is a direct driven pump for increased pressure testing control capabilities.

The mixing system provides density control and slurry consistency within  $\pm 0.1$  ppg, and densities up to 21 ppg (2.5 sg). The unit can achieve pumping rates as high as 21 bpm and as low as 0.1 bpm for pressure testing.



## Offshore Module Skid

### Applications

Offshore Cementing Harsh Environments

Deepwater Pressure Testing

### Features

### Benefits

High Pressure Pumps	Two SPM Quintuplex QWS 1000 Pumps B side 2.75" plungers (15,000 psi MAWP) C Side 3.5" plungers (10,000 psi MAWP)
High Horsepower AC Motors	GE 1150 Motors 690V VFD Driven
Transmission	Allison 6600 Series
Mixing System	Three mixing system options: <ul style="list-style-type: none"> <li>• 7 BBL Standard mixing system</li> <li>• RAM mixing system (7 bbl primary, with 18 bbl averaging)</li> <li>• Dual mixing system (twin 7 bbl mixing tubs)</li> </ul> Four Goulds centrifugal pumps - 2 mixwater, 2 slurry Liquid Volume Fraction mixing mode for lightweight mixing
Instrumentation	MCM2000 mixing control system Automatic cement control (ACC) for precise control $\pm 0.1$ ppg
Skid	Modular for installation ease. Total Weight: 38.4 MT 28.5 ft L x 10.5 ft W x 12.5 ft H
Hydraulic Power Unit	Sound enclosed 300HP AC HPU

