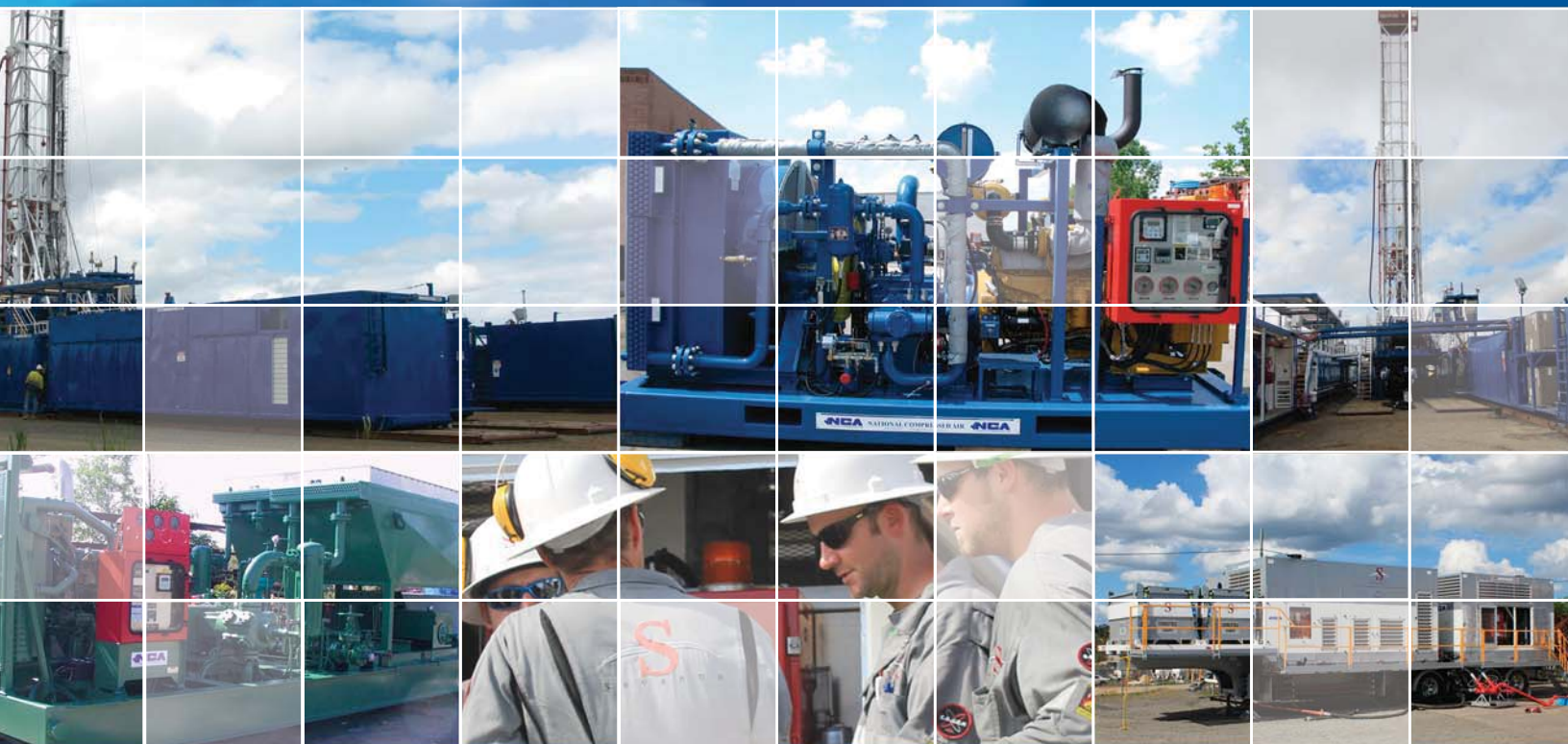




RECIPROCATING BOOSTER COMPRESSORS FOR OIL AND GAS APPLICATIONS

Pressures up to 5000 psig (345 barg)



Providing Innovative Solutions to Customers on Every Continent



National Compressed Air is an industry leader in the manufacturing of high pressure reciprocating booster compressors for various air, nitrogen and natural gas compression applications in the oil and gas sector. Our booster compressors are a result of a long term development program involving years of work experience, client's feedback, field testing and improvement.

BOOST YOUR PRODUCTIVITY

Whether it is pipeline testing or drying application, or underbalanced drilling using high pressure air or nitrogen, we have designed our boosters with one goal in mind – **BOOST OUR CLIENT'S PRODUCTIVITY!**

Other oil and gas applications include:

- Conventional Rotary Drilling with Air/Nitrogen
- Aerated Fluid Drilling
- Well Completions and Workovers
- Natural Gas Boosters for gas transmission
- CNG Compressors for vehicle applications
- And other high pressure applications



Model: NCA 57-345-DSD-B-DNV
 Capacity: 2000 scfm (56.6 m³/min)
 Suction Pressure: 325 psig (22.4 barg)
 Discharge Pressure: 5000 psig (344.8 barg)
 Engine: Caterpillar C18
 Rated for 700 HP (522 KW) @ 1800 RPM

Custom engineered package in a DNV certified container with many client specific features

STANDARD DESIGN FEATURES

- Discharge pressures up to 5000 psig
- Heavy duty balanced opposed compressor frames
- Oversized piping for pulsation control
- Optimum compression ratios for high valve/bearing life and low discharge air temperatures
- Air piping designed and fabricated to ASME B31.3
- ASME coded moisture separators and suction scrubbers
- Bypass valves for accurate capacity control
- NEMA 4/4X control panel with analog as well as digital indication of process parameters, alarms and shutdowns





DESIGN OPTIONS

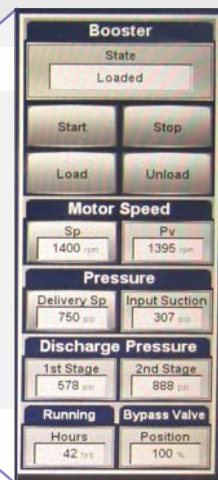
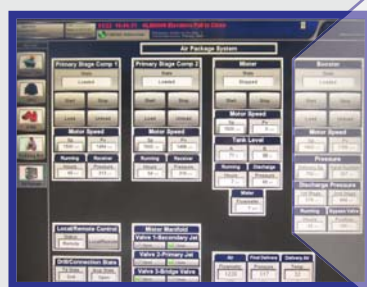
- Various drive options – electric, diesel, hydraulic or natural gas
- Various cooling options – air or water cooled
- Compressor enclosures to meet specific requirements
- ISO containerization, DNV crash proof frames & trailerization options
- Cold weather or high ambient capabilities
- Custom paint specifications and colors
- Hazardous Area Options – Rig Safe, Zone 2 or Class 1/Division 1 or Division 2
- Remote control and data monitoring options
- Operating data storage capability
- Automated maintenance notifications
- Other options on request



Model: NCA 40-76 DSD-B
Capacity: 1400 scfm (39.6 m³/min)
Suction Pressure: 335 psig (23.1 barg)
Discharge Pressure: 1100 psig (75.9 barg)
Engine: Caterpillar C7
 Rated for 250 HP (186.5 KW) @ 1800 RPM

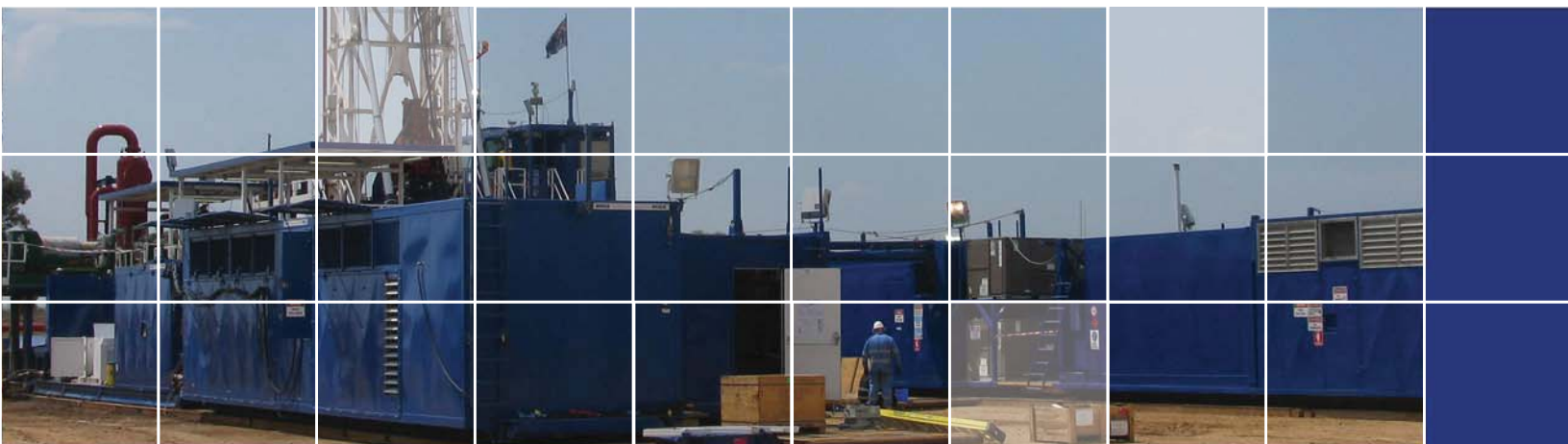
Skid base mounted open frame package, custom designed for client's specific requirements

Touch screen PLC panel of an electric drive package including feed and booster compressors along with fluid injection pump and integrated drill controls



BUILT TO SPECIFICATIONS

At NCA, we build our packages to client specifications incorporating our past experiences. Each requirement is reviewed in detail and packages are designed to meet the operating parameters with maximum efficiency. Our modular and flexible manufacturing techniques coupled with a substantial inventory of components allow us to meet most non-standard requirements of our clients with a minimum impact on the overall cost of the package.



Other NCA Products:

- Helicopter Portable Compressors
- Man Portable Compressors
- High Pressure Rotary Screw Compressors
 - Single Stage to 250 psig (17.2 barg)
 - Two Stage to 500 psig (34.5 barg)
- PTO Compressors
- Oil Free Rotary Screw Compressors
- Membrane Nitrogen Generators
- Compound Air Compressors
- Rotary Screw Booster Compressors to 600 psig (41.4 barg)
- Custom Engineered Compressor Solutions
- Track Carriers
- Drill Rigs
 - Man Portable, Heli Portable and Track Carrier Mounted
- Fluid Injection Packages including mixing tanks



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