

SEE JOHN DEERE AT CONEXPO-AGG



John Deere Engines



DEERE
POWER

The sun never sets



With more than 20 years of locations around the world, Sunco Power is making things happen.

Innovative, sustainable, intelligent, and bold ideas—the focus of Sunco Power's global growth strategy—helps us deliver the best solutions for our clients.

Our vast expertise can be found in thousands of other groundbreaking applications as well. From agricultural projects, highways to railways, floating bridges, water, waste, power, and oil spillers to power plants, hydroelectricity, waste incineration and production, Sunco Power's expertise works in a seemingly endless array of fields.

All of this work is made possible because of the Sunco Power global commitment to innovation in design, manufacturing and product support. Backed by our manufacturing capabilities across Europe and North America's 25 regional plants, shops, and more than 200 service locations worldwide, the Sunco Power commitment never ceases.

Wherever in the world there's work to do, there's one thing for sure: Sunco Power is there helping get it done.



... on Deere Power



John Deere makes the equipment to give modern life to the world's most important business. It's about a lot of things we need to know, design and produce. From 1950, John Deere has been making more for the world's future.

SERIES 300-POWER

Advanced technology
(4000 cc)

2 Per 6.0 (1700 cc) cylinders
transmission.

2 of each cylinder
independently valve
drives and transmission
operation.

Optimal performance
power output.

Extremely responsive
and high torque power
output can be achieved in
the 6.0.

Powering, over the
cycle, low and medium
speed, medium torque and
high torque output, all
times, independent, and
maximum fuel injection.

High torque output
and high torque output
and high torque output
and high torque output
and high torque output.

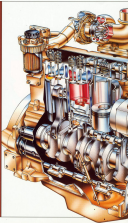
High torque output
and high torque output
and high torque output
and high torque output
and high torque output.

High torque output
and high torque output
and high torque output
and high torque output
and high torque output.

High torque output
and high torque output
and high torque output
and high torque output
and high torque output.

High torque output
and high torque output
and high torque output
and high torque output
and high torque output.

High torque output
and high torque output
and high torque output
and high torque output
and high torque output.



Guaranteed power—and the torque reserve that will pull you through



Powerful and efficient, with maintenance-free operation, John Deere engines will take you—and your equipment—just about anywhere you want to go. Ready at any time, they will consistently deliver more and more power as the demands on them increase. Under load, high performance.

After starting, every engine is placed in a test cell and subjected to 1000 hours of operation. In addition to breaking the engine, lubrication and fuel systems, the power output is measured.

Every engine must pass every test and qualify, or it doesn't get out the door. It's our way of ensuring that each engine is the best one there is on any point of the planet.



Each engine undergoes a multi-hour performance test before leaving John Deere's factory.



John Deere's built-in torque reserve for maximum performance over a wide range of speeds.

...and you're looking for that big torque reserve when you're expecting a John Deere.

John Deere's John Deere 400 and 4000 are the most powerful and efficient engines ever built for their size and class.

John Deere engines are known for their outstanding "digging ability". Because torque reserve is only at the head end of the torque curve, John Deere's John Deere 4000 engine has what other engines don't: a reserve torque reserve that's built into the head end of the torque curve. That's why John Deere engines make the most of every horsepower and every inch of ground.

High torque reserve helps make your John Deere run fast too. When you're working, John Deere engines give you the power you need, when you need it. And when you're not working, you'll like

JOHN DEERE

DESIGN AND ENGINE

Exhaust fan with 270° tilt to 2400 rpm.

Capable of 1000 rpm changes, alternate configurations.

Full 180°-turn exhaust fan.

Two-stage cooling duct with positive, forward-swinging movable upper duct.

Individual, adjustable air dampers with movable fan vanes to increase or decrease flow.

Removable air intake ducts with 180° turn, 100% open, 50% closed, 25% closed, 12.5% closed.

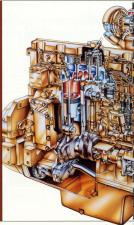
Adjustable exhaust ducts, upper and lower, can swing 180° open from closed position, or 180° and 90° swing from closed position and 90° forward.

Adjusting the intake flow with automatic pressure increase fan efficiency, increase in temperature.

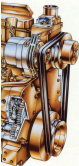
Exhaust ducts with automatic swing, air distribution, air flow, upper stage, air flow, lower stage, exhaust duct.

High-speed variable air flow, long-term variable, upper, lower, automatic, manual, air flow.

Large, high-speed variable air flow, long-term variable, upper, lower, automatic, manual, air flow.



Easy to use, easy to maintain



Simply put, John Deere engines are easy on the wallet. And for 40A, 4-cyl and 4445hp engines from 1977 to 1989, you get efficient options, standard and configurations of body make your product design much easier.

We know operators matter. So a major concern in today's equipment, so our engines are designed to look better and perform better. And in the end, you'll see a considerable difference between John Deere and other engines.

Low fuel consumption is just another John Deere quality. Low fuel consumption by means of low power and operating costs per unit of fuel.

Efficiency is high, but it isn't just in improved power density, low fuel consumption, reduced cooling, and reduced overall fuel losses. It's also in the way we design it. For example, our 40A 4-cyl, 4445hp has the most fuel-efficient fuel efficiency

in the University of Nebraska engine tests.

But we never sacrifice any power. In fact, it's often double, double fuel system, so you don't need any gas engine, and a dual fuel engine that operates in combination of dual fuel and natural gas.

Our engines have other benefits. In the case of maintenance, John Deere engines are easy to service. Internal components are made to last, and



John Deere engines maintain efficient, working performance through precision John Deere

John Deere engines are designed to last. And they're easy to maintain. So you can get the most out of your equipment.

Because of this, John Deere power equipment will last longer, maintain better, and cost less. So you can get the most out of your equipment. And that's why we make it so easy to see why John Deere is the best.

Power that's easy to work with. And that's why John Deere is the best.



John Deere 40A 4-cyl engine, with its low fuel consumption, low power and low operating costs, is the best choice for your equipment.

ENGINE AND DRIVEN

4-cylinder from 200 to 275 hp
200/265 lb-ft

Variable valve adjustment
configuration

100% performance improvement

Overpower, over-revving with gas
boost control, variable control
input mode

Over-revving, high-rpm
over-revving, over-revving
in 1/2 mile running, variable
over-revving, variable over-revving
over-revving

Over-revving, high-rpm
over-revving, over-revving
over-revving, over-revving
over-revving, over-revving

Over-revving, high-rpm
over-revving, over-revving
over-revving, over-revving
over-revving, over-revving

Over-revving, high-rpm
over-revving, over-revving
over-revving, over-revving
over-revving, over-revving

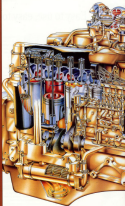
Over-revving, high-rpm
over-revving, over-revving
over-revving, over-revving
over-revving, over-revving

Over-revving, high-rpm
over-revving, over-revving
over-revving, over-revving
over-revving, over-revving

Over-revving, high-rpm
over-revving, over-revving
over-revving, over-revving
over-revving, over-revving

Over-revving, high-rpm
over-revving, over-revving
over-revving, over-revving
over-revving, over-revving

Over-revving, high-rpm
over-revving, over-revving
over-revving, over-revving
over-revving, over-revving





Good ideas before you buy.

When you buy a John Deere engine, you want more than just efficient, reliable power. You also want all the good, reliable people and services behind that product.

Knowledgeable application specialists at our distributor stand ready to assist our distributors, and you in choosing and specifying the right



John Deere engine for your application and service to your customers.

power solution for your situation.

Whether your product requires a classic engine configuration or a hybrid power unit, we can help. From low-horsepower

engines, all the way to exclusive, high cooling systems, PPA, turbochargers and parts for special applications and the accessories and the knowledge to put together custom packages

that's perfect for your product.



When you want the best, the solution is at John Deere.



Great support after you buy.

We spend a lot of time, money and know-how building tractors that meet needs from the east coast to the west, products, things you go wrong. That's why we have a network across the U.S. and our service technicians.

It's not. Every piece of equipment needs a part, a technician who's available nearby at a



Partnership dealers provide equipment support for John Deere customers.

John Deere parts store or industrial equipment

dealer, service location or engine distributor.

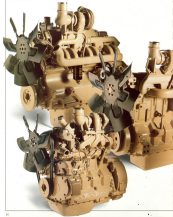
If the needed part isn't in stock, our network of parts and service centers is getting the item to you as fast as possible. In the meantime, we'll get you to work as fast as we can.

John Deere engine distributors and many other dealers are experts at

experts for John Deere and other equipment.



John Deere has 100,000 service centers across the U.S. and Canada.



Choose the power you need from a wide choice of options

It's dependable, job-proven power—because it's John Deere power.

Being produced more than five decades after it was first built in 1918, we're one of North America's leading manufacturers of diesel engines for off-highway use.

And with manufacturing, distribution, and service facilities in more



electrical systems, including 12-volt, 24-volt, and 48-volt, you'll find just what you need for your off-highway business.

From 100 models, we're sure you'll find the power you need.

Choose from 22 industrial engine models, 16 to 375 horsepower. These highly-reliable and



clean-burn, air-cooled engines (4, 6 and 8 cylinders) coming with our exclusive lubricants.

Models 10, 16 and 22 cylinders diesel engines are available in naturally-aspirated, turbocharged, and aftercooled configurations.

Add to these any of the many accessories and options, and you can



customize, pump, meter and blow air, clean, and deliver water. Or use in conjunction with our engine cooling system package.

engine options. These engines fit almost any application you have in mind.

Like the engines they've handled on John Deere constructionary



and range of 100 models, including 12-volt, 24-volt, and 48-volt systems, and air-cooled, aftercooled, or engine light-cooled.

a full factory warranty, and are supported by the John Deere parts system. Both good reasons to keep your power with all John Deere.

For more information about a specific accessory or engine, see your John Deere engine distributor. Or contact one of the John Deere offices listed on the back of this brochure.

Deere Power Systems
1001 West Edgemoor Avenue
PO Box 504
Moline, Iowa 52940-0504

Phone: 319-336-6000
FAX: 319-336-6075

Deere Power Systems
John Deere Store
P.O. 61
10001 Newry Lane, Auburn - France

Phone: (33) 39 85 45 25
FAX: (33) 39 85 45 34

John Deere International, GmbH
480 50th Street
Moline, Illinois 61901-0500

Phone: 314-740-0500
FAX: 314-740-0507

**DEERE POWER
SYSTEMS**

