

DT180A DT200A DT220A DT240A

AGCO

DT SERIES



A Big Advantage For Your Business

Big tractor, big decision for your business. Will it really make a big difference in your productivity and profits? Does it offer a significant return on your investment? Well, many tractor manufacturers are making big promises today—but AGCO® DT Series tractors deliver the goods.

There's simply no other heavy-duty, row-crop tractor in the field that combines the power, efficiency and comfort of our DT Series tractors. Go ahead, check out the green and blue and red options and—if you're really looking to maximize productivity—most likely you'll drive away in the big, rugged orange tractor.

Choose the DT Series tractor that best meets your specific requirements and go to work with a BIG business advantage today.

- **PTO horsepower ratings of 180, 200, 220, 240**
- **Powerful 6-cylinder AGCO engines with Electronic Engine Management (EEM) deliver impressive torque**
- **PowerMaxx CVT™ (continuously variable transmission) for maximum efficiency and infinite speeds**
- **Superior comfort, convenience and control features in the quietest cab in the industry**
- **Closed-center, pressure & flow-compensated hydraulic system with a maximum flow of 39 gallons per minute (GPM) provides exceptional power and precise control**
- **Standard Dot Matrix®-and FIELDSTAR®-ready systems help increase efficiency and productivity**
- **Global Technologies by AGCO (GTA) Console I, including Datatronics® III and an integrated Headland Management System, is available to maximize your tractor's performance**



DT
SERIES



Turn In A Powerful Performance

AGCO DT Series tractors feature two different models of the powerful AGCO engine, both turbocharged and inter-cooled. DT180A and DT200A tractors offer a 7.4L AGCO engine and DT220A and DT240A tractors offer the 8.4L AGCO engine. Both engines are Tier II compliant for maximum fuel economy and minimum emissions.

Built as a single-piece, cast-iron block, these engines act as a major load-bearing portion of the tractor, reducing the need for an oversized side frame and thus helping to provide a tighter turning radius.

Impressive Torque With EEM

Electronic Engine Management (EEM) not only provides a faster response to changing engine loads, but the system also adds to the functionality of the tractor. Two EEM switches located on the right-hand console allow the operator to set two custom engine speeds **{Fig. 1 A&B}**. This enables the operator to throttle to a predetermined engine speed at the push of a button. The EEM system can be precisely adjusted in increments of 10 rpm.

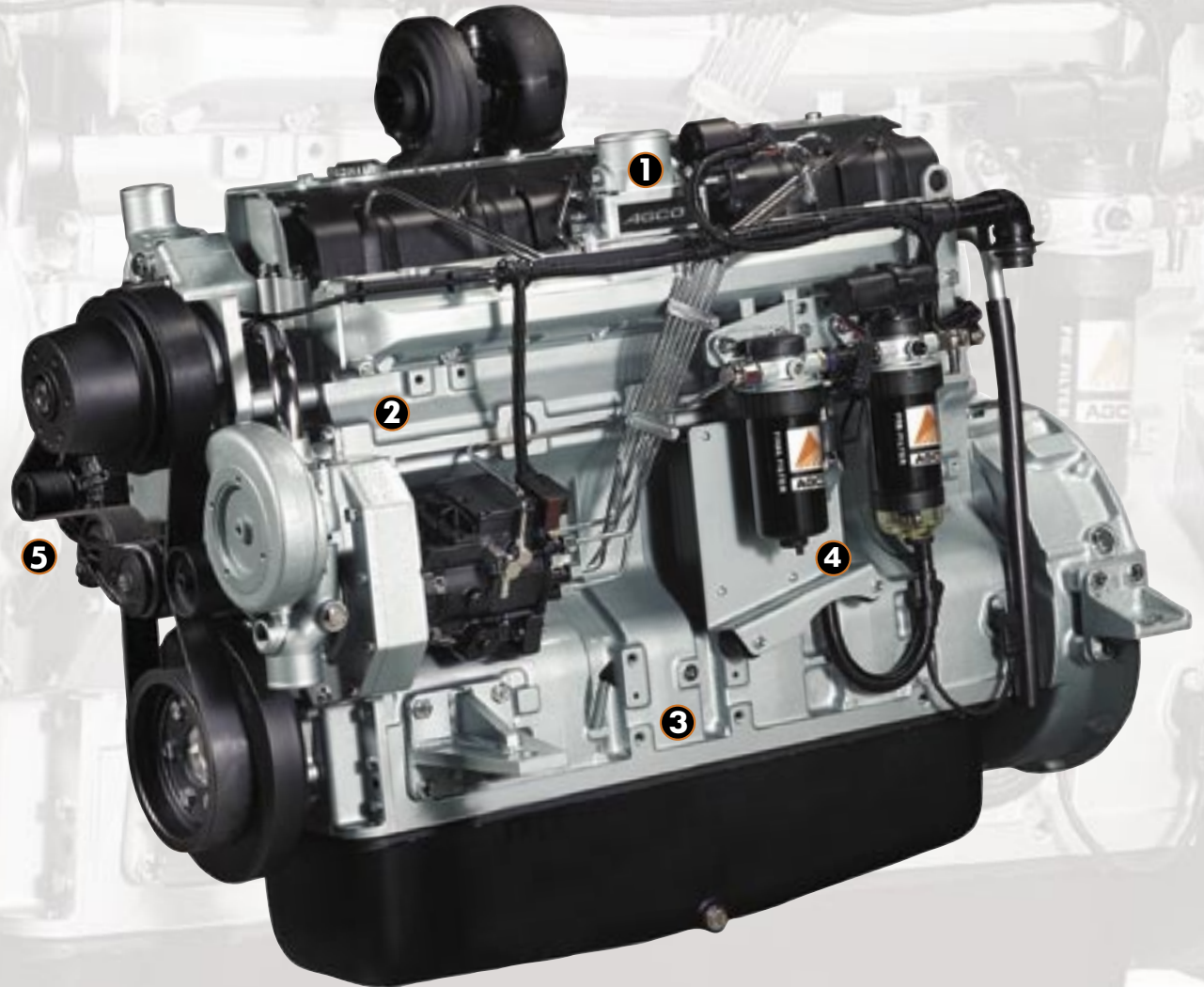
EEM allows continuous adjustment of the amount and timing of fuel injected, in relation to engine speed and load. The result is more power, lower emissions and improved fuel economy.

The six-cylinder AGCO engines use the Bosch VP44 solenoid-controlled injection pump. The pump responds very quickly to throttle movements together with EEM, so injection pressure and injection timing are precisely controlled.

Fig. 1



- 1 Electric inlet air heater.** Cold start, ignition and running are improved by electrically preheating the engine's inlet air. By continuing post heating, cold running is smoother and white smoke is minimized.
- 2 Wet cylinder liners and mid-cylinder support construction.** AGCO engines feature wet cylinder liners that are centrally supported and replaceable. By efficiently cooling the top end of each cylinder liner, engine heat is reduced, thus allowing greater power.
- 3 Fracture-split connecting rod.** The large end of the connecting rod is fracture-split, making a rough-edged joint that holds better. This reduces vibration and increases durability.
- 4 Fuel filters.** Fuel filtration has been improved from 10 microns to 5 microns. Pre-filter efficiency is 30 microns. Filters can be changed easily by hand without tools. Fuel will not leak onto the ground or into your hands, and the electronic fuel lift pump deaerates the fuel system automatically when the ignition is turned on.
- 5 Poly-V fan/alternator belt.** The eight-grooved alternator belt allows for the belt pulley to be half the size used with a traditional belt. With the smaller belt pulley, the alternator produces more electricity – even when idling. The poly-V fan belt also stays in place better and lasts longer than a traditional belt.





Innovative Technology. Simple Operation.

PowerMaxx CVT (continuously variable transmission) puts maximum power and infinite speeds at your fingertips **{Fig.2D}**. Simply select the right speed for the job and go to work—the stepless, variable-speed design ensures maximum efficiency. An ergonomically designed right-hand console offers easy access to the controls: speed and velocity selectors **{Fig.2A}**, mode selector (lever, foot pedal), and range selector **{Fig.2B}** and engine supervisor **{Fig.2C}**.

Whatever the job, you can program the precise speed you desire. Once set, speeds are shown on an LCD screen on the dash **{Fig.1}**. The PowerShuttle control lever **{Fig.3}** on the left side of the steering column can be used to increase/decrease speed and change direction. Shuttle speed forward and reverse can also be preset **{Fig.1}**—move the shuttle lever and the tractor will automatically slow, stop, reverse direction and then accelerate to the programmed speed shown on the dash display.

The right-hand wiper/turn signal control **{Fig. 4}** integrates special control features. These include selecting what is displayed on the LCD dash display, the contrast for the display, and your selection of four settings for the speed of forward/reverse direction changes—from most slow and smooth at 1 to most rapid at 4.

With PowerMaxx CVT, DT tractors will go from 0 to 25 mph (40 kph) while constantly adjusting for the most efficient combination of engine speed and transmission ratio, whatever the load.

Fig.1

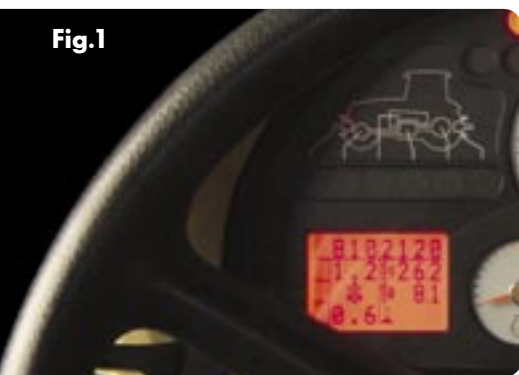


Fig.2

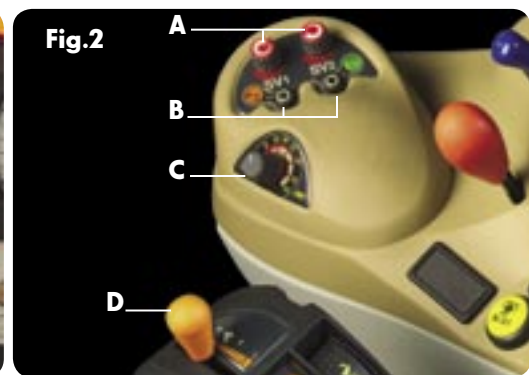


Fig.3



Fig.4



A Simply Superior Solution

PowerMaxx CVT is a powerful business solution that's simple to operate and service. Simple controls make it easy for multiple operators to get in and go! And every operator will be working more efficiently, helping to reduce input costs and increase productivity. Transmission service is easier too—and there are fewer moving parts than with any other competitive transmission.

AGCO Knows CVT

Did you know that one of AGCO's sister brands pioneered CVT technology in the agriculture equipment industry? For more than a decade, they have been an industry leader in the development and production of this innovative technology. And they have more than 40,000 CVT transmissions at work around the world.

DT Series tractors are the first of the AGCO brand tractors to offer this proven, high-performance transmission as standard equipment.





POWER
CVT **MAXX**

DT Tractors Are Big On Comfort Too

Heavy-duty DT Series tractors let you work hard and take it easy at the same time. Inside the cab, every detail is designed to provide superior comfort, convenience and control all through your workday. Plus, you'll enjoy the quietest cab in the industry with a rating of just 71 decibels.

All major tractor and implement controls are sensibly located in the right-hand console. These include hydraulic remote levers, hand throttle, electronic 3-point hitch and PTO controls, PTO speed controls, 12-volt accessory plug-ins and predrilled monitor mounting locations.

Pneumatic cab suspension **{Fig.1A}** is a unique option that offers you a much smoother ride with much less noise and vibration. The result: less fatigue and a more productive workday all-around.

Standard Cab Features:

- Exterior lighting touchpad
- Tilt and telescoping steering column
- Fully adjustable air-ride swivel seat
- Instructor's seat with seat belt
- Digital clock and outside temperature display
- Wide doors on both sides of the cab

Select Options:

- Deluxe operator's seat, with seat belt, is extra wide with added cushioning, heat, air adjust, lumbar and automatic seat adjustment
- Xenon lighting package for 30% greater visibility, less eye strain
- Automatic climate control



Maximum Efficiency By Design

- PowerMaxx CVT™ combines a highly efficient hydrostatic power path for infinite speed capability with a pure and simple mechanical power path—combined at a planetary gear set—for unrivaled practical efficiency in the field and on the road.
- PowerMaxx CVT provides an economy mode that lets you save fuel during transport. Being able to operate a tractor at a speed of 25 mph (40 kph) at 1700 rpm helps increase efficiency by reducing fuel consumption.
- Separate oil reservoirs for the transmission and hydraulic remotes minimize potential contamination from water and dust. Transmission life, durability and reliability are increased by the use of cleaner oil.
- The transmission design allows you to use the brakes to stop the tractor without using the clutch pedal at lower engine RPMs. This is very useful in loader work or any task that requires you to inch your way to an object.
- A forager mode allows the operator to set an engine speed with the EEM and then use the foot pedal to independently control ground speed. Forager mode is especially useful for applications like baling and loader work.

- | | |
|--|---|
| 1. PowerMaxx CVT transmission | 6. Ground level fueling |
| 2. Dual-stage pneumatic cab suspension* | 7. Up to 55 degree steering angle |
| 3. AGCO engine (215 to 290 ISO HP) | 8. Large, telescopic side mirrors |
| 4. Cab air filter access hatch | 9. Global Technologies by AGCO (GTA) Console I* |
| 5. Quietest cab in the industry (71 dba) | 10. Super-deluxe Grammar seat* with seat belt |

*Indicates Optional Equipment

Package Your Tractor For Ultimate Performance And Comfort

The DT Series allows operators to package certain features to increase tractor performance and comfort while reducing overall cost. These two packages can be added individually, or combined, on any DT Series tractor.

StandardMaxx Package

- GTA Console I and Datatronics III
- Dual-stage pneumatic cab suspension
- Heated, super-deluxe, air-suspended Grammar seat with seat belt

DeluxeMaxx Cab Package

- Automatic climate control
- Large, telescoping, power-adjust side mirrors with electric de-icing
- Double-bulb cab worklights
- Rear window wiper/washer
- Hitch viewing mirror
- Additional cab electrical sockets
- Roof-mounted rotating beacon







Spool Valve Management System

The standard Spool Valve Management System (SMS) is comprised of a joystick mounted to the armrest that controls two electro-hydraulic proportional spool valves at the rear of the tractor. The SMS system also incorporates a third function switch that allows the activation of a solenoid valve for functions such as the grapple fork on a front-end loader. For added convenience, a memory feature enables you to set proportional flow rates. This lets you use the SMS system to control the rate of drop on a lifted implement, thus reducing potential damage to the axle and hydraulic ram mounts.

High-Pressure Work Made Easy

AGCO DT Series tractors feature a closed-center, pressure & flow-compensated hydraulic system with a maximum flow of 39 gallons per minute (GPM) (150 lpm) to provide exceptional power and precise control.

Up to three additional electronic remotes are offered in a lever configuration on the right-hand armrest. This enables the tractor to have a total of five electronic remote valves.

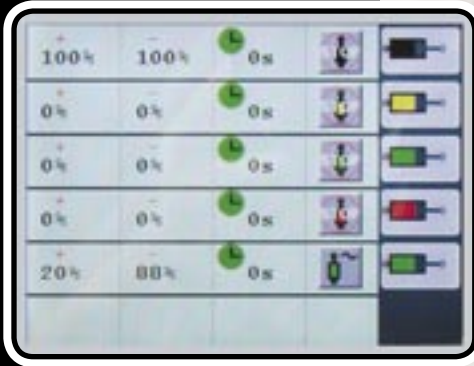
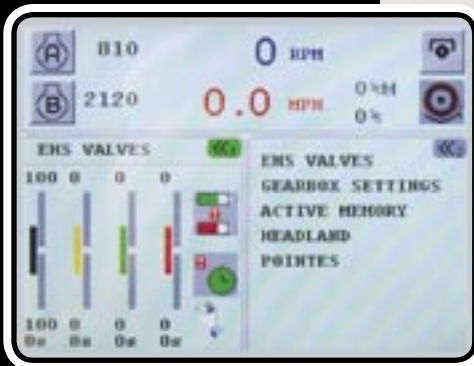
Standard equipment also includes float and detent locks, power beyond circuit and a load-sensing line.

540/1000 & Economy PTO

All DT Series tractors provide operators with a choice of a dual speed (540/1000 rpm) or 540 Economy/1000 rpm independent Power Take-Off (PTO). A live shaft drives the PTO from the engine. A wet, multi-disc clutch engages and disengages the PTO output shaft. In addition, a convenient PTO stop switch located on the outside of the tractor allows the PTO to be disengaged from the ground without having to climb back in the cab.



AGCO[®]
YOU'VE GOTTA DRIVE ONE



Proven Systems For Precision Farming

To help you maximize tractor performance and efficiency, DT Series tractors put sophisticated technology for precision farming at your fingertips.

Datatronics® III. Upgraded Datatronics III software, housed in the GTA (Global Technologies by AGCO) Console I, is a valuable option. The GTA console offers a user-friendly interface and provides numerous precise control services.

Tractor Performance Monitoring

- Measuring fuel consumption
- Controlling slip
- Tracking time on the job

Special services that relate specifically to hydraulic controls include:

- Time detent and flow control over all hydraulic remotes
- Headland management system which stores a time sequence of instructions to be repeated at headlands
- Memory functions that allow up to six sets of information to be stored for various fields, operators or implements.

Trailed Implement Control (TIC). TIC is a digital operating system that uses the Datatronics III interface to monitor ground speed and wheel slippage to help you increase field productivity and keep your tractor operating at optimum performance while reducing tire wear and fuel consumption. TIC adjusts implement depth based on maximum wheel slippage determined by the operator.

FIELDSTAR®. FIELDSTAR provides data logging, implement control and monitoring, plus the PC software is available to analyze data, draw maps and create variable treatment plans. FIELDSTAR adds value to your tractor by giving you the ability to:

- Gather information during planting, spraying, spreading and harvesting for analysis of equipment and crop (yield mapping) results
- Vary inputs (seed, fertilizer, chemicals) according to crop requirements
- Produces documentation that verifies areas of application

Auto-Guide™. An advanced assisted steering system, Auto-Guide uses GPS technology to navigate across fields with pinpoint accuracy and minimal operator input. By minimizing overlaps and underlaps, Auto-Guide offers a range of benefits to growers and commercial applicators:

- Save on cost of fuel, fertilizer, seed and chemicals
- Allow machines to work at higher speeds, day or night
- Reduce driver fatigue and increase focus on monitoring performance
- Available mid-year 2005

FIELDSTAR READY

AUTO-GUIDE





We've listened to professional farmers like you and built the DT Series tractors to meet your specific requirements—and exceed your expectations. Powerful AGCO engines, PowerMaxx CVT technology, a more powerful hydraulic system and state-of-the-art control systems are all combined to give you more power to grow your business.

Expert Dealer Support

AGCO tractors are sold and serviced by dealers who really know farm equipment—many having three or even four generations of experience in the agricultural business. These local, independent dealers back each machine they sell with a factory-trained staff of parts and service experts.

In addition, every DT tractor is backed by radiator-to-drawbar coverage for 2 years or 2,000 hours, whichever comes first. An optional extended warranty is also available.

You've Gotta Drive One

Stop reading and start driving. This brochure can only begin to demonstrate the benefits of a DT Series tractor. To see all the advantages of these big orange beauties, you need to take a test drive or two. Then you'll understand the true power, efficiency, comfort—and, yes, the lasting value—in the AGCO DT Series tractors.

Visit your local dealer, wherever you see the AGCO sign, and test drive your own DT Series tractor today.



Tractor Model	DT180A	DT200A	DT220A	DT240A
Performance				
*PTO HP @ Rated Engine RPM (kW)	180 @ 2200 (134.2)	200 @ 2200 (149.1)	220 @ 2200 (164.0)	240 @ 2200 (178.9)
Engine HP @ Rated Engine RPM (kW)	215 @ 2200 (160.3)	235 @ 2200 (175.2)	260 @ 2200 (193.8)	290 @ 2200 (216.2)
Fuel Tank Capacity Gallon (L)	158.5 (600)	158.5 (600)	158.5 (600)	158.5 (600)
Engine				
Make	AGCO	AGCO	AGCO	AGCO
Number of Cylinders/Aspiration	6/Wastegate	6/Wastegate	6/Wastegate	6/Wastegate
Type of Cooling/Fuel	Liquid/Diesel	Liquid/Diesel	Liquid/Diesel	Liquid/Diesel
Displacement CID (L)	452 (7.4)	452 (7.4)	513 (8.4)	513 (8.4)
Starting Aid	Thermostart	Thermostart	Thermostart	Thermostart
Transmission				
Type	PowerMaxx CVT	PowerMaxx CVT	PowerMaxx CVT	PowerMaxx CVT
Ranges	2	2	2	2
Speeds Forward/Reverse	Infinite	Infinite	Infinite	Infinite
Cruise Control Speeds	2 per Range	2 per Range	2 per Range	2 per Range
Brakes and Final Drives				
Type of Final Drives	Inboard Planetary	Inboard Planetary	Inboard Planetary	Inboard Planetary
Type of Brakes	Wet Disc	Wet Disc	Wet Disc	Wet Disc
PTO				
Speeds - Standard RPM	540/1000	540/1000	540/1000	540/1000
Engagement	Electro Hydraulic	Electro Hydraulic	Electro Hydraulic	Electro Hydraulic
4WD Front Axle				
Engagement	Electro Hydraulic	Electro Hydraulic	Electro Hydraulic	Electro Hydraulic
Maximum Steering Angle	55 Degrees	55 Degrees	55 Degrees	55 Degrees
Hydraulics				
System Type	Closed-Center PFC	Closed-Center PFC	Closed-Center PFC	Closed-Center PFC
Total Flow GPM (L)	39 (150)	39 (150)	39 (150)	39 (150)
Remotes - Standard/Optional	4/5	4/5	4/5	4/5
Three-Point Hitch				
Category	III	III	III	III
Stabilizers	Sway Block	Sway Block	Sway Block	Sway Block
Lift Capacity @ 24" lbs (kg)	14,400 (6531)	14,400 (6531)	14,400 (6531)	14,400 (6531)
Operator Area				
Cab Glass Area Square Feet (sq m)	61 (5.6)	61 (5.6)	61 (5.6)	61 (5.6)
Noise Level (dba)	71	71	71	71
Suspended Cab (Optional)	Dual Stage Pneumatic	Dual Stage Pneumatic	Dual Stage Pneumatic	Dual Stage Pneumatic
Steering Wheel	Tilt & Telescopic	Tilt & Telescopic	Tilt & Telescopic	Tilt & Telescopic
Operator Seat	Air	Air	Air	Air
Transmission Control	Right Console	Right Console	Right Console	Right Console
Forward/Reverse Shuttle Location	Left Side	Left Side	Left Side	Left Side
Cab Doors Standard	2	2	2	2
Dimensions & Weight				
Wheelbase in (mm)	121 (3075)	121 (3075)	121 (3075)	121 (3075)
Overall Length in (mm)	206 (5240)	206 (5240)	206 (5240)	206 (5240)
Maximum Height Over Cab in (mm)	122 (3100)	122 (3100)	123.6 (3140)	123.6 (3140)
Approx. Shipping Weight lbs (kg)	19136 (8680)	19136 (8680)	19951 (9050)	19951 (9050)

* Manufacturer's Rating

Loader

FL600

Quick Attach Mounting
7641 lbs (3465 kg) Lift Capacity @ Pivot Pin
5300 lbs (2404 kg) Lift Capacity to Max. Height
173 inch (4.4 m) Lift Height Under Level Bucket
Optional Joystick Control

Available Attachments:
96-inch (2.4m) Heavy Duty Bucket
5-Tooth Grapple Fork
48-inch (1.2m) Pallet Fork Attachment
Round Bale Spear
Bucket Tooth Bar Edge

DT180^A



180 PTO HP

DT200^A



200 PTO HP

DT220^A



220 PTO HP

DT240^A



240 PTO HP



Play It Safe. Work Safely.



AGCO



AGCO FINANCE

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