AXIAL-FLOW 160 SERIES

COMBINE

AFS HARVEST COMMAND

CASE IH

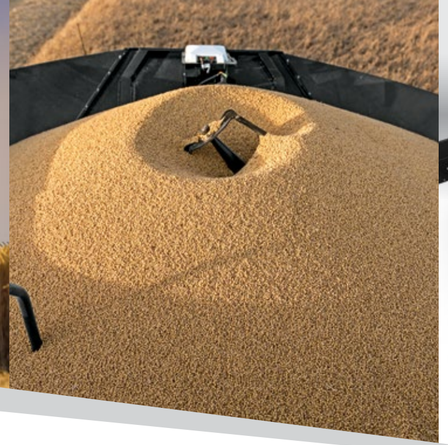
AXIAL-FLOW® 160 SERIES

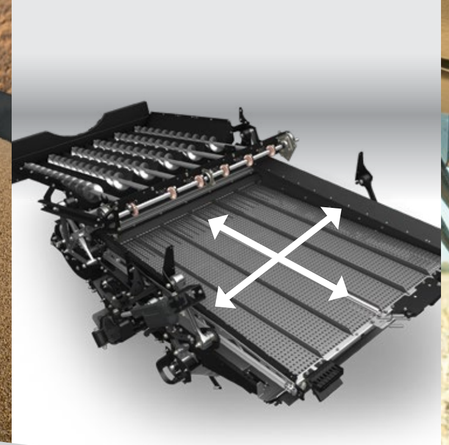
2 Models | Class 6, 7

The NEW Axial-Flow® 160 Series combines bring the power of AFS Harvest Command™ to a class 6 and class 7 combine. Building on the proven performance of the 150 Series, you will discover a combine that offers new features to improve harvest productivity and efficiency. It's the latest offering that builds on the strongest combine lineup in the industry.

Learn what the Axial-Flow 160 Series combine can do for you.

AXIAL-FLOW 160 SERIES COMBINE





TRUE HARVEST INNOVATION

The new Axial-Flow 160 Series combines bring the form and function of the proven Axial-Flow harvest system to one of the most technologically advanced combines on the market. We've incorporated key features from our 250 Series combines to a machine that's at home on any farm.

Core enhancements center around AFS Harvest Command, which allows you to be more productive, efficient and to simply make your harvest season easier.

NEW FEATURES

- AFS Harvest Command
- AFS Connect™ subscription
- Variable speed feeder
- Stage V engine configuration
- Massive 350-bushel grain tank on the 7160
- New rotor speed adjustment that is four times faster than previous models
- Aggressive shake on fixed shoe cleaning system
- Hydraulic-driven cleaning fan
- Feeder face fore-aft adjustment from the cab
- Feedrate
- Electronic Speed Control ground drive
- New Chopper bearings
- New cab air filter

REACH NEW LEVELS OF PRODUCTIVITY WITH AFS HARVEST COMMAND

Harvest is stressful enough. AFS Harvest Command will optimize your combine settings, ensuring all of your crop makes it out of the field. Simply put, it's the most advanced harvest technology available that boosts productivity, enhances efficiency, and puts more grain in the tank during your harvest season. AFS Harvest Command automation proactively adjusts the combine as crop conditions change using exclusive, patent-pending technology to help all operators, from rookie to seasoned veteran, run at peak efficiency.

ALWAYS OPTIMIZING FOR MAXIMUM PRODUCTIVITY

Choose from four modes of automation to fit your operation:

- **Performance:** Maximize grain savings and grain quality while optimizing throughput.
- **Grain quality:** Maximize grain quality while saving grain and optimizing throughput.
- **Max throughput:** The operator can maximize throughput while automation adjusts combine settings to save grain.
- **Fixed throughput:** The operator can fix the machine throughput and the machine will adjust to save.

MAKE EVERY DRIVER AN EXPERT OPERATOR

Fine-tuning harvest settings and adjustments can test even the most experienced operator. AFS Harvest Command automation helps refine the harvesting process by reducing the number of functions you need to monitor in the cab from twelve to three. With AFS Harvest Command, you control concave clearance, header position, and grain tank unload while the automation system takes care of the rest.

QUANTIFY YOUR PERFORMANCE

With AFS Harvest Command, further dial in your machine with the new sensitivity adjustments. For rotor, sieve, grain quality and material other than grain sensitivities, the operator can now observe machine performance to easily dial in machine sensitivities and machine performance while using AFS Harvest Command.

FEATURES OF THE AXIAL-FLOW 160 SERIES COMBINES

AFS Harvest Command brings new features to the 160 Series combines to maximize productivity and efficiency at harvest.

A NEW SENSORS

At the heart of the AFS Harvest Command is the distribution of machine sensors that continuously monitor the combine, providing instant feedback to the system for automated adjustments.

- Speed sensors in the transmission, cleaning fan, rotor and feeder
- Optical tailings sensor
- Loss sensors in the rotor and sieve
- A concave position sensor
- Sieve Pressure Sensors

B FEEDRATE IN BASE MACHINE

An essential part of AFS Harvest Command, the feed rate adjusts automatically to harvest conditions to improve performance and productivity.

C ELECTRONIC GROUND DRIVE CONTROL

Standard on 160 Series combines is an electronic ground drive control to automatically adjust ground speed to match harvest conditions.

D HYDRAULIC DRIVEN CLEANING FAN

Experience improved air control and cleaning system response. Tied directly to AFS Harvest Command, the hydraulic cleaning fans respond to conditions faster, and are up to four times faster than previous models.

E NEW CHOPPER BEARING ON FIXED KNIFE VERSION

Chopper bearings with a load capacity 70 percent higher than previous models are now standard, improving reliability.

F CROSS-FLOW CLEANING SYSTEM

Increases productivity, compensates for hillsides, and provides increased capacity even on level ground.

G SIEVE PRESSURE SENSORS

Sieve Pressure Sensors provide sieve loading data to AFS Harvest Command, allowing the system to understand the difference between sieve overload and blow-out losses. The sensors work together with the Auto Fan option to help prevent loss before it occurs by detecting load and inclination. Together, ideal operating settings adjust as conditions change.

GRAIN CAMERA

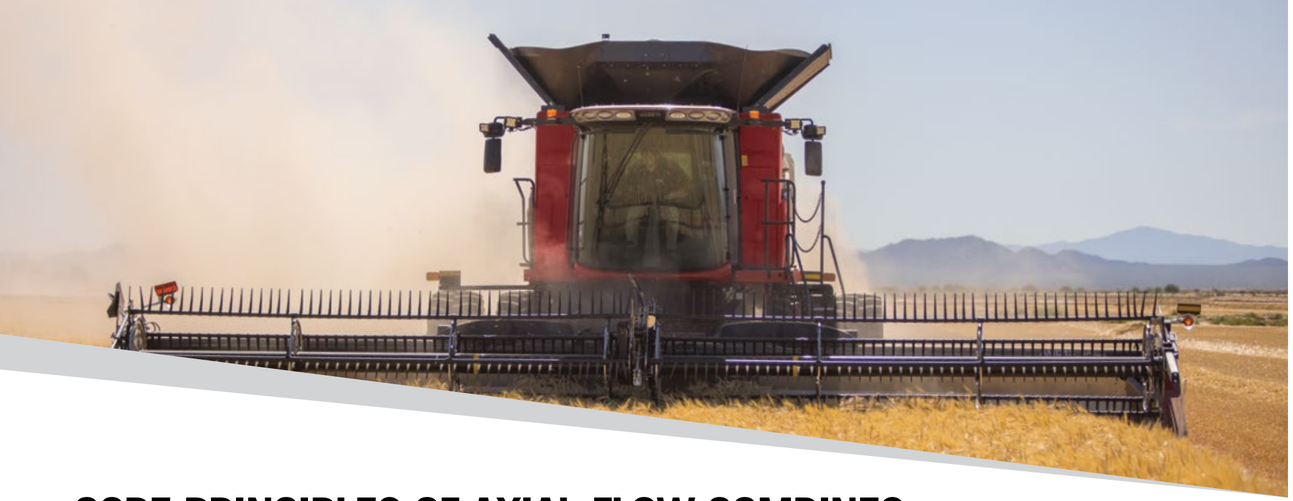
An integrated grain camera provides grain sample feedback to AFS Harvest Command, detecting cracked and broken grain as well as material other than grain. Additional technology within the camera accurately monitors grain sample quality and provides instant feedback.

H STAGE V ENGINE

We've upgraded the 160 Series combines with a Stage V engine that provides power and performance with the latest in engine technology.

I NEW GRAIN TANK CAPACITY FOR 7160

Productivity and efficiency is improved with a 350-bushel grain tank on the 7160 models.



CORE PRINCIPLES OF AXIAL-FLOW COMBINES

SIMPLICITY

Axial-Flow combines are designed with **fewer moving parts** for unmatched reliability and easier serviceability.

CROP ADAPTABILITY

Designed to **harvest over 134 types of grains** in many conditions. The Axial-Flow combine is versatile enough to match your diverse harvesting needs.

MATCHED CAPACITY

Controlling crop flow is the key to harvest success. The Axial-Flow feeder, rotor, grain handling, residue management and power systems **optimize crop flow and maximize productivity.**

GRAIN QUALITY

Gentle grain-on-grain threshing is the hallmark of the Axial-Flow design. From feeding to cleaning, the entire system is **designed to minimize grain damage.**

GRAIN SAVINGS

Axial-Flow combines pave the way for savings. Thorough threshing and efficient separation **put more grain in the tank** and more profits in your pocket.

RESALE VALUE

Case IH combines reward their owners with impressive resale value. A wide variety of kits are also available to enhance performance, upgrade technology, boost productivity and **maximize your investment.**

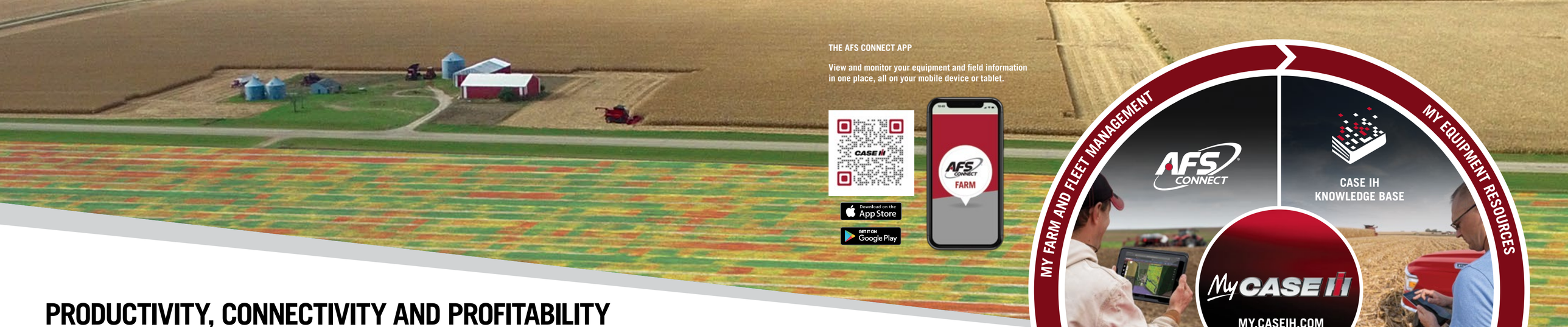
15 SENSORS MONITORED BY AFS HARVEST COMMAND

AFS Harvest Command **automatically adjusts seven machine settings** (ground speed, rotor speed, cleaning fan speed, presieve, upper sieve, lower sieve) **based upon 15 sensor inputs and comprehensive algorithms to maximize productivity and grain quality and to minimize losses.**

- **A** Ground Speed Sensor
- **B** Ground Drive Pressure Sensor
- **C** Inclination Sensor
- **D** Flow/Yield Sensor
- **E** Grain Camera
- **F** Presieve Position Sensor
- **G** Upper Sieve Position Sensor
- **H** Sieve Loss Sensor
- **I** Sieve Pressure Sensors
- **J** Lower Sieve Position Sensor
- **K** Fan Speed Sensor

Not Shown:

- Engine Load Sensor
- Rotor Speed Sensor
- Rotor Loss Sensors
- Tailings Volume Sensor



THE AFS CONNECT APP

View and monitor your equipment and field information in one place, all on your mobile device or tablet.

Download on the App Store

GET IT ON Google Play

PRODUCTIVITY, CONNECTIVITY AND PROFITABILITY

Monitor, map and evaluate crop performance. Compare yield and moisture data to determine what will maximize yields. Monitor harvesting data remotely through AFS Connect to help make recommendations to the team that will help maximize efficiencies.

FIELD SOLUTIONS

- AFS AccuSync shares coverage maps and A/B guidance lines in real time.
- Yield and Moisture monitoring and mapping capabilities display harvest data in the cab.
- AFS AccuGuide™ autoguidance provides hands-free steering to achieve and maintain accurate row positioning and ease operator fatigue.
- AFS Variety Tracking connects spring planting maps to the combine to analyze seed variety performance.
- Auto-Cut Width adjusts combine cut width when traveling through odd-shaped fields, point rows or previously harvested areas.

AFS CONNECT

AFS Connect allows you to precisely manage your operation anywhere from a computer, phone or tablet.

- **Farm and Fleet Management:** Coordinate unloading, maintenance and refueling. Efficiently plan your day by sharing guidance lines and field boundaries with multiple pieces of equipment.
- **Visualize Data:** Create and upload field boundaries with custom layers—from planting/seeding to harvesting. Aggregate data from multiple machines in one field and visualize actionable layers of agronomic data. Upload yield data direct from the field.
- **Harvest Tracking:** Enter scale ticket information to track grain from field to storage.
  - **Harvest Summary:** Varieties, average yield and total bushels harvested by field
  - **Layer reports:** Map layers by field, including wet/dry yield and moisture.
  - **Yield by Variety:** Sort yield data by variety to compare hybrid performance.
- **Geofence and Curfew Notifications:** Receive notifications when a machine enters or exits a field or is running outside of your designated operating hours.
- **Data Sharing:** Securely transfer and share information to farm managers, dealers or trusted partners.

EQUIPMENT INFORMATION AT YOUR FINGERTIPS

When you have questions about Case IH equipment maintenance, there's no time to lose getting back in the field. **My.CaseIH.com is your destination for Case IH product support**, including free operators manual downloads, AFS training videos, how-to tutorials and maintenance tips to **help you through questions or situations** you encounter every day.

Create a free MyCaseIH account and use the same login credentials to access the features of AFS Connect and the AFS Connect app today.

A COMBINE TO MEET EVERY NEED

The Axial-Flow 160 Series combines join the complete lineup of Axial-Flow combines. From the Class 6 Axial-Flow 6160 to the Class 9 Axial-Flow 9250, there's an Axial-Flow combine perfectly suited for your operation's needs. Axial-Flow series systems are carefully matched to ensure efficiency and productivity. The Axial-Flow line represents simplicity and reliability with the fewest drive components and longest service intervals in the industry. It also features one of the largest cleaning systems in the industry, the most innovative drive systems and the largest selection of heads, to help you deliver more high quality grain to the tank.

Case IH Axial-Flow combines boast one of the largest, most comfortable combine cabs in the industry, with features that provide convenience, comfort and productivity, including the refined multifunction handle.

Premium lighting packages offer better nighttime visibility and round-the-clock harvesting options.

160 SERIES SPECIFICATIONS	AXIAL-FLOW 6160	AXIAL-FLOW 7160
Combine Class Size	Class 6	Class 7
ENGINE		
Type - Stage V	Case IH - FPT	
Displacement	8.7 L (531 cu. in.)	
Horsepower (Rated/Maximum)	348 hp (259 kW)/411 hp (306 kW)	375 hp (280 kW)/442 hp (330 kW)
Power Rise	63 hp (47 kW)	67 hp (50 kW)
Unload Boost - Power on Demand	34 hp (25 kW)	
Fuel Tank/DEF Tank Capacity	250 gal. (945 L)/43 gal. (166 L)	
DRIVE TECHNOLOGY		
Drive Type	Belt and Chain	
Number of Belts	13	
Number of Chains	3	
FEEDER		
Feeder Width	45.5 in. (1 156 mm)	
Feeder Length w/o Rock Trap	45 in. (1 143 mm)	
Feeder Drive Type	Belt	
Reverser System	Hydraulic	
Variable Speed Feeder	496–688 rpm	
Stone Trap (Opt)	Beater/Sump	
THRESHING/SEPARATING		
Threshing Type	Rotary	
Rotor Drive Type/Rotor Diameter	Belt Drive/30 in. (762 mm)	
Threshing Area Wrap	156.5°	
Discharge Beater	Integral chopper	
Auger Bed	Yes	
Active Grain Pan	No	
Grain Loss Monitor	Standard Equipment	
CLEANING SYSTEM		
Total Sieve Area	8,556 sq. in. (5.52 m²) fixed cleaning system / 8,370 sq. in. (5.40 m²) Cross Flow cleaning system	
Fixed or Leveling Cleaning System	Fixed or Cross Flow	
Cleaning Capability % Slope (Degrees)	N/A fixed / 12° Cross Flow	
Cleaning Fan Type/Drive	Cross-Flow fan/Hydraulic	
Fan Speed Range	450–1,300 rpm	
CONVEYING AND STORAGE		
Tailings Elevator	Tailings return to rotor	
Clean Grain Elevator (Dimensions/Capacity)	9×15.9 in. (229×404 mm) / 5,000 bu/hr.	
Grain Tank Capacity	Standard: 300 bu. (10 570 L) / Optional: N/A	
Unloading Rate	3.2 bu. (113 L) per second	
DIMENSIONS		
Wheel Base - 2WD Axle / Pra Opt.	150.2 in. (3 815 mm)/150.2 in. (3815 mm) - PGA	
Width (Overall Single Tires 120-in. Tread)	150.9 in. (3 833 mm)	
Minimum Weight (2WD and Single Drive Tires)	34,130 lb. (15 481 kg)	34,850 lb. (15 808 kg)
Typical Weight (2WD and Dual Drive Tires)	37,130 lb. (16 842 kg)	37,850 lb. (17 168 kg)

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