MASSEY FERGUSON IDEAL

IDEAL. THE NEW AXIAL COMBINE FROM AGCO.

MASSEY FERGUSON IDEAL

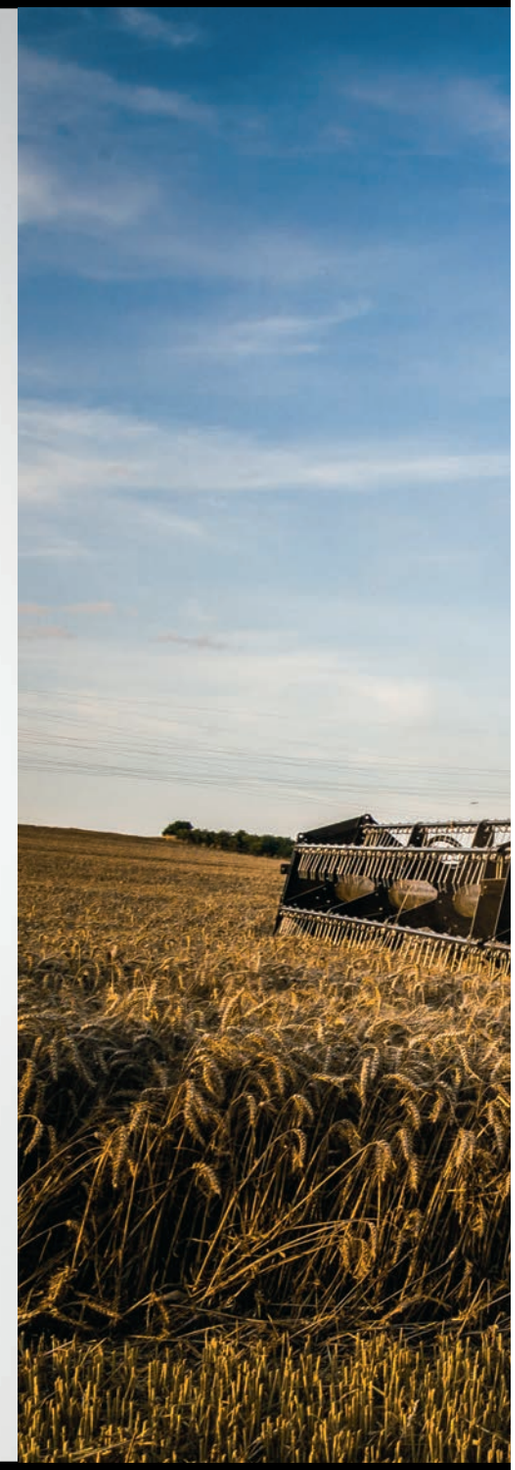
IDEAL. THE NEW AXIAL COMBINE FROM AGCO.

A NEW COMBINE FOR A NEW ERA.

WE'VE HARNESSED THE BEST TECHNOLOGY TO HARVEST MORE GRAIN WITH THE BEST QUALITY, FOR YOU. It's the first "clean-sheet" design of a combine in 30 years—a machine based not on what has come before, but on what producers like you have told us they need, and what we've tested in some of the most rigorous trials ever initiated by a farm equipment manufacturer. Over the past six years and continuing today, we've sought input from producers the world over. We've heard from combine operators who, collectively, grow every crop harvested by combines in practically every condition.

No matter where they live and work, producers emphasized that their combine be ready for the punishment every harvest doles out. And we heard them, testing this combine in best-case scenarios, as well as extremely wet and dry fields, low and high yields, lodged crops, hills, rutted ground and worse. Producers not only insisted on maximum uptime, but also machinery that provides the comfort and ergonomics that allows them to safely work the long hours a harvest demands. We've heard the call for a combine that not only offers the means to tackle today's challenges and opportunities—whether they be weather conditions, new crops or new technologies—but also next year's and the years' after that. The result is not just an update to existing machinery and technology. It's a machine that gives you more control over your harvest, as well as your operation as a whole.

HERE'S OUR PROMISE. The Massey Ferguson® IDEAL™ combine offers superior performance and exceptional uptime, as well as radically simple operation and maintenance.




IDEAL
9T

OVERVIEW

IDEAL BALANCE™

IDEAL Balance technology is a completely new way to manage crop flow. Two specially molded grain pans collect crop material from the threshing and separation area and consistently deliver that crop to the cleaning shoe, regardless of crop or harvest conditions.

GRAIN HANDLING

With the industry's largest grain tank and class-leading 210 liters per second unloading speed, you'll spend less time unloading grain and more time harvesting.

AIRSENSE™

With AirSense, the engine always runs at optimal temperature, while blowing out the radiator manually is a thing of the past.

POWER TRANSMISSION

With simple gearboxes and fewer belts than other combines, the IDEAL offers a system designed to lead the industry in power-transfer efficiency and put muscle where the combine needs it the most.

DUAL HELIX ROTORS

The IDEAL combine allows more space for a new threshing and separation rotor design that is gentler on the crop, both grain and straw. What's more, as compared to other systems, this dual helix processor requires 50% less power to operate.

IDEAL VISION™CAB

Long, hard days seem all the shorter and more productive from the IDEAL combine's Vision Cab.

IDEALharvest™

No combine has ever monitored its own operations so exhaustively. Nor, via the use of that data, allowed its operator so much control.

TRAKRIDE™ & NARROW FRAME

The slimmest chassis offered in Australia & New Zealand is paired with a wide footprint and fast road speeds. That means exceptional maneuverability and less compaction for your operation.

PERFORM WITH RAZOR SHARP EFFICIENCY.

Setting a new standard for automated machine adjustment, the IDEALharvest system offers unprecedented, real-time visualization of crop flow within the combine via a special grain-quality camera and numerous sensors, including mass acoustic detection sensors (MADS). Measuring the differences in acoustic qualities, the sensors can determine what is grain and what is not and direct the IDEALharvest system to change the necessary combine settings–all to maintain the operator's harvest strategy.

REAL-TIME VISUALIZATION ENHANCES CONTROL The harvest strategy itself is set by an easy-to-use touch-screen tablet, allowing the operator to select preferences for minimizing grain damage, loss and material other than grain (MOG) in the bin. In addition, the IDEALharvest system can even compensate for sudden shifts in various factors, such as crop density and field slope.

EASY TO USE MONITOR
The IDEALharvest Selection Triangle allows the operator to easily set preferences for grain damage, grain loss and MOG in sample. Throughput can also be managed based on crop density and other factors, and operations can be monitored and adjusted remotely via the SmartConnect app.

SEEING IS BELIEVING
The grain quality camera, which allows grain condition to be monitored as it enters the bin, provides continuous input to ensure the preferences set by the operator are maintained.

YOU'VE GOT THE TOUCH
Measurements, such as mass and single grain flow, field slope and rotor speed, are continuously monitored. What's more, operators can choose the information to display based on what is most critical to them.

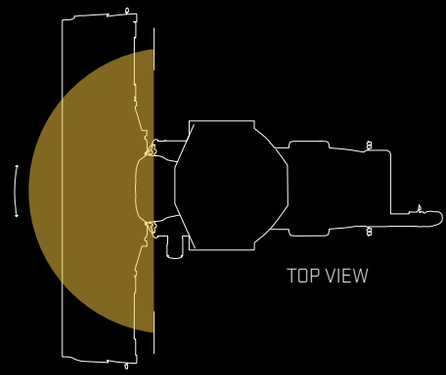
COMFORT. VISIBILITY. LEADING EDGE.

LONG, HARD DAYS SEEM ALL THE SHORTER AND MORE PRODUCTIVE FROM THE IDEAL COMBINE'S VISION CAB. With almost 62 square feet of glass, you have a panoramic view across even the widest of headers. The high-performance air conditioning system, the leather operator's seat and an extensive LED lighting module make work not just as pleasant as possible, but safe, too.

In addition to exceptional comfort, the IDEAL Vision Cab provides unprecedented monitoring and control capabilities from header to spreader. The IDEAL's 10.4-inch, touch screen can be customized to display functions and measurements deemed most important by the operator, and an additional dashboard offers information on key machine data such as ground and engine speed.

62FT² OF GLASS SURROUNDS CAB

180º VIEW FROM CAB

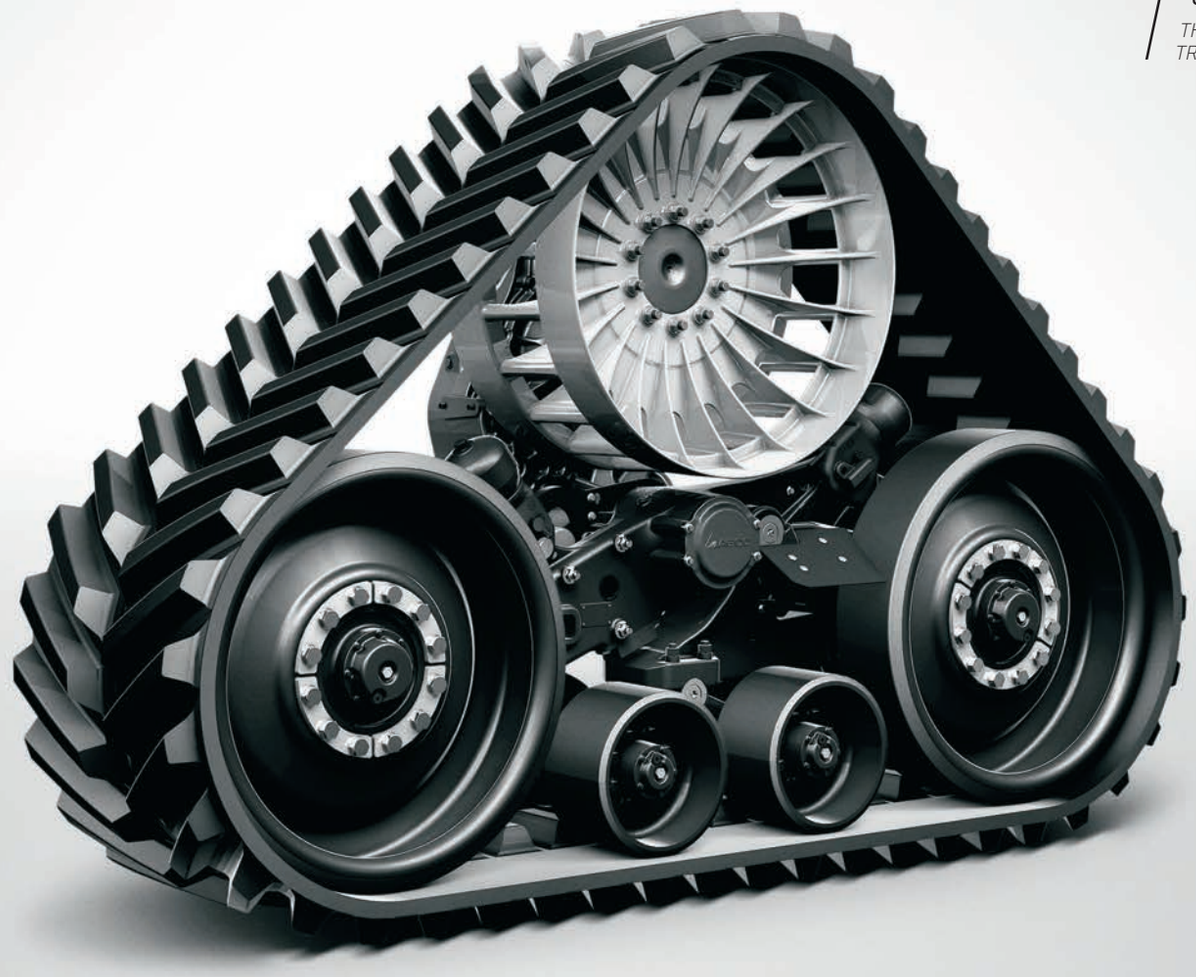


TOP VIEW

"The IDEAL combine really helps them with uptime by providing operator comfort. We've really focused on providing an environment that allows good visibility and reduces strain on the operator."

PAUL HOLMAN
CABS AND SHIELDING, AGCO HESSTON, KANSAS

660mm 26IN,
760mm 30IN,
910mm 36IN,
THREE AVAILABLE TRACK WIDTHS



TRAKRIDE

Having built upon decades of industry-leading innovation in manufacturing tracks for agricultural equipment, the TrakRide system ensures exceptional performance and comfort, while reducing maintenance and enhancing reliability—all of which help ensure the combine is up and running at full capacity in short harvest windows.

GO WHERE OTHERS CAN'T.

TRAKRIDE TECHNOLOGY ON THE IDEAL COMBINE OFFERS MORE MANEUVERABILITY AND LEAVES THE INDUSTRY'S LARGEST FOOTPRINT ON A FULLY SUSPENDED TRACK. At a minimum width of just 3.3 meters, the IDEAL combine offers the narrowest frame of any combine on the Australia & New Zealand market. It's a design that offers easier navigation on roadways between fields, whether small rural roads or busier highways. Further enhancing maneuverability, the IDEAL also offers some of the fastest road speeds for a combine, including models with tires and those with tracks, the latter clocking in at just under 25 mph (40 km/h). What's more, the IDEAL's narrow design, coupled with large tires or tracks, provides even weight distribution across the chassis, which helps decrease potential soil compaction.

"You know we're leaders in track technology already. And I think bringing it over to the combine is a big plus for us. More and more, we see customers moving to the benefits of track drive systems."

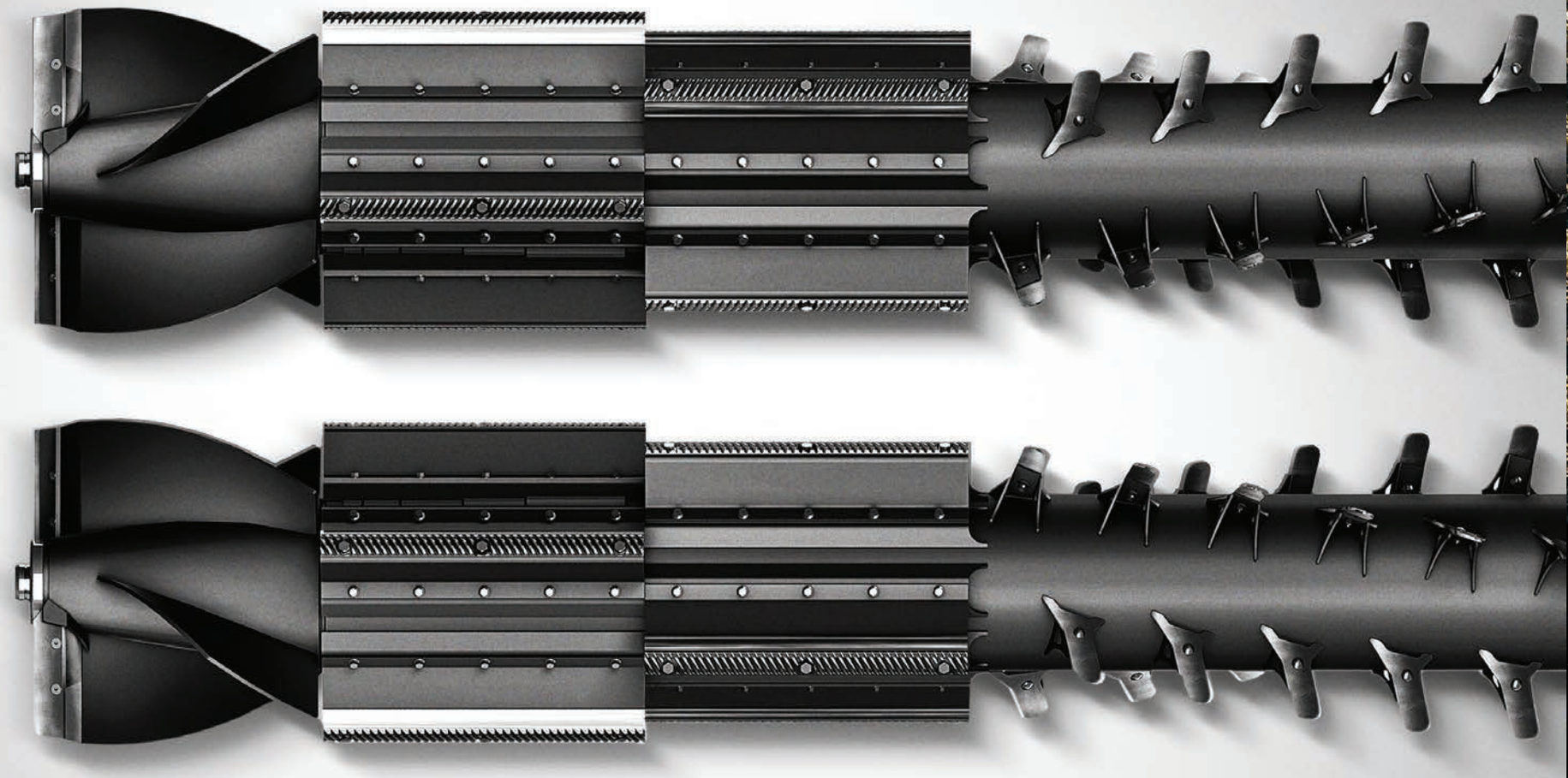
GREG LARSON
VICE PRESIDENT, ZIEGLER AG
MINNEAPOLIS, MINNESOTA


iFEAR
IDEAL


IO FIELD

DUAL HELIX ROTORS

50%	600mm	4834mm	4.06M²
LESS POWER TO OPERATE	DIAMETER ROTORS	LONG ROTORS	TOTAL SEPARATION AREA



DUAL HELIX ROTORS

We have options for any sized operation. The class 8 and 9 models use two rotors in a dual helix configuration, while the class 7 operates with one. The helix-shaped arrangement of the separation tines, coupled with the industry-leading separation area, ensures minimal loss levels and improved grain quality.

HARVEST MORE. WASTE LESS.

MORE THRESHING AREA, GENTLER ON GRAIN AND STRAW The IDEAL combine allows more space for a new threshing and separation rotor design that's gentler on the crop—both grain and straw. What's more, as compared to other systems, this dual helix processor requires as little as 50% less power to operate in a variety of crop conditions.

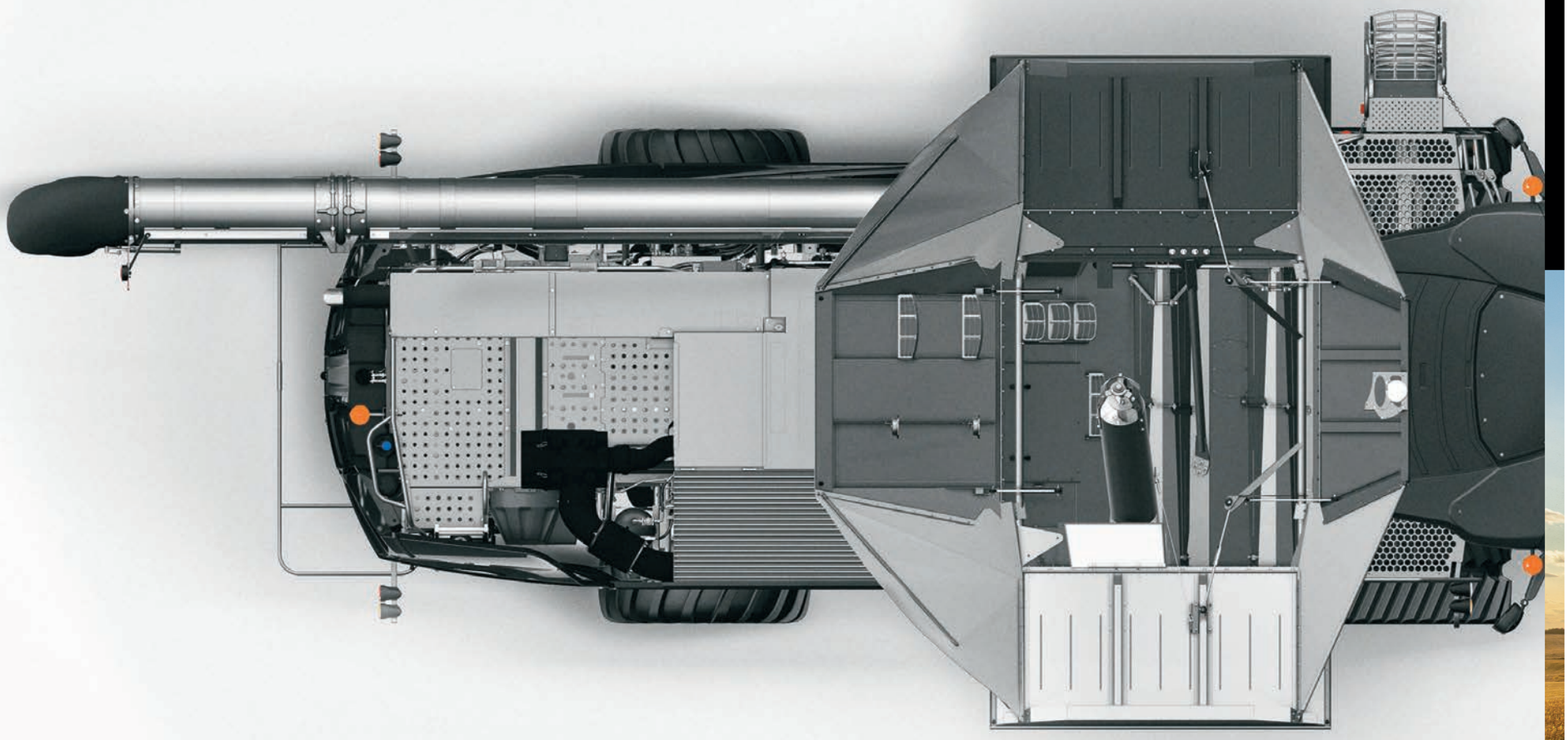
Yet, while the rotor is exceptionally efficient, its threshing and separating performance is best-in-class. At nearly 4.9 meters long, it's almost two feet longer than the nearest competitor—allowing the material to generate huge centrifugal force at a much lower speed and remain in the rotor longer. As a result, grains are separated gently and reliably, while straw is preserved at the same time.

Offering different options for different-sized operations, the class 8 and 9 models use two rotors—in a dual helix configuration—providing an industry-leading 4.06m^2 of threshing area. The class 7 IDEAL features one of these new revolutionary rotors, also offering best-in-class threshing and separation capabilities to ensure that the IDEAL has a platform available for all operation sizes.

The helix-shaped arrangement of the rotor fingers and the finger concaves ensure exceptional threshing results. On all classes of the IDEAL combine, the rotors are fed optimally by the rotor feeder via the synchronized drive. Automated settings can also be activated to ensure the processor is achieving desired results selected by the operator.

17,100 LITERS
LARGEST GRAIN TANK
IN THE INDUSTRY

210 L./SEC.
FASTEST
UNLOADING



GRAIN HANDLING

On all classes, unloading speed and grain tank capacity are coupled with an innovative auger that is gentle on grain, ensuring less damage, and it requires less power than older systems. Available as a standard feature on the class 9 and as an option on class 7 and 8, the Streamer 210 unloads at 210 l./sec. IDEAL also offers the Streamer 140, which unloads at 140 l./sec.

YOUR MOST EFFICIENT HARVEST YET.

WITH THE IDEAL COMBINE, YOU'LL SPEND LESS TIME UNLOADING GRAIN AND MORE TIME HARVESTING. With the option of a 17,100 liter grain tank (standard on the Class 9), the IDEAL combine features the largest capacity in the industry. Via the Streamer™ 210 auger system, the IDEAL combine also sports the fastest unload rate of 210 l./sec, which is 50% faster than the closest competitor, taking just 81 seconds to off-load the entire grain tank.

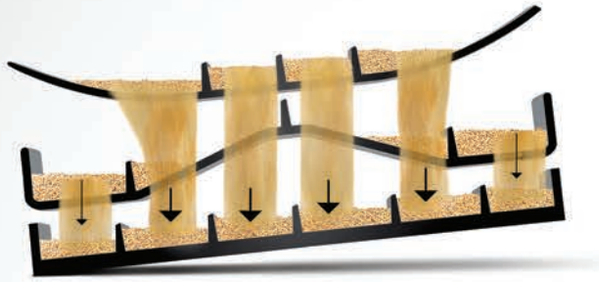
"It's going to make the farms more efficient when they're running. It should save downtime, decreasing the stopping and waiting for trucks, because the [IDEAL] unloads so quick. That's going be a big benefit."

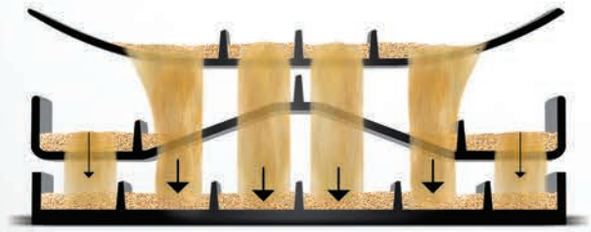
TERRY SWYSTUN
PRESIDENT, FULL-LINE AG
SASKATOON, SASKATCHEWAN

IDEAL BALANCE

2 PANS
SPECIALLY MOLDED
FOR EVEN CROP DISTRIBUTION

REDUCED SENSITIVITY TO HILLSIDE HARVESTING



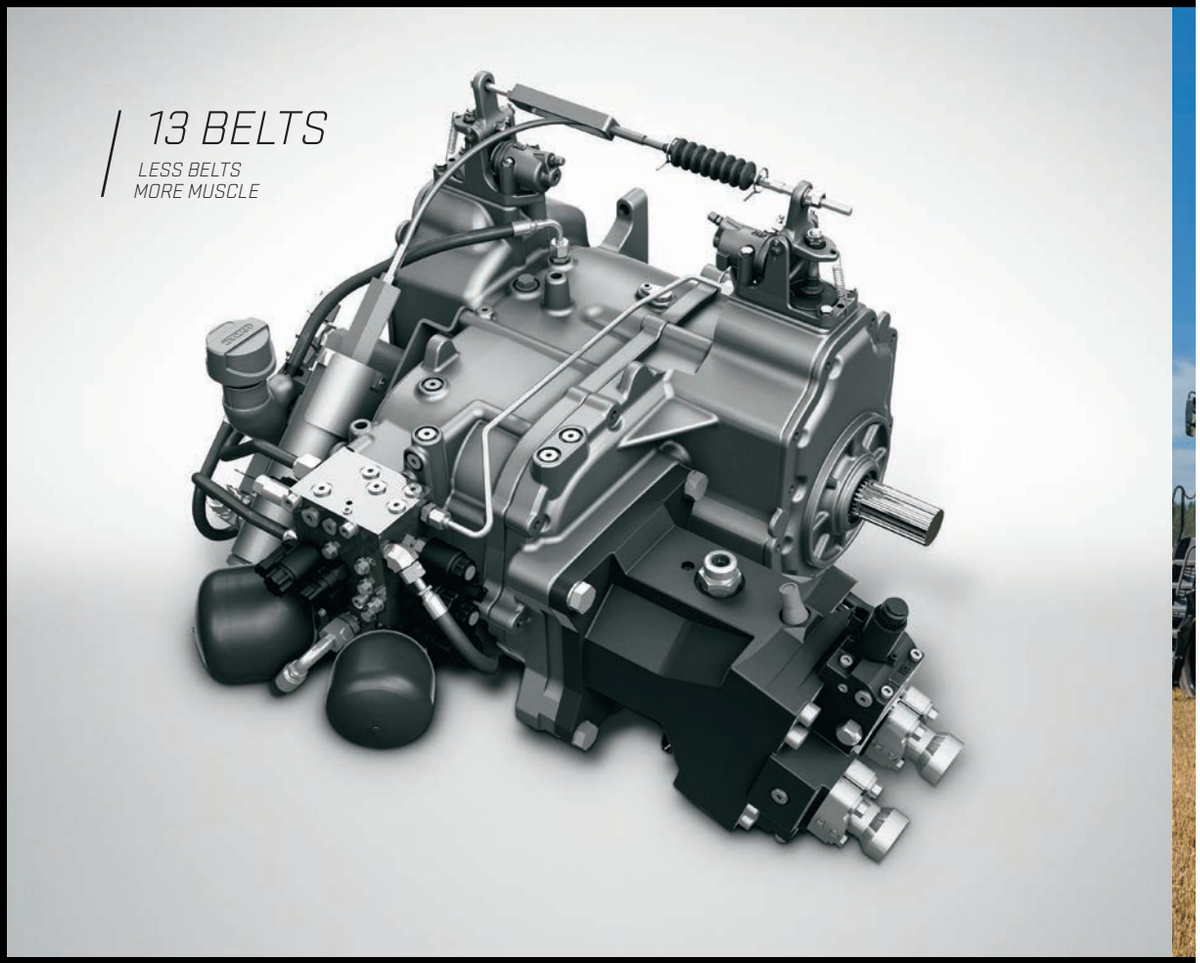


IDEAL BALANCE

Two pans evenly distribute the material over the cleaning shoe without adding complex active systems. Due to durable polymer construction and large service panels, both return pans are easily removable for ease of maintenance.

EVEN DISTRIBUTION. IN EVERY FIELD.

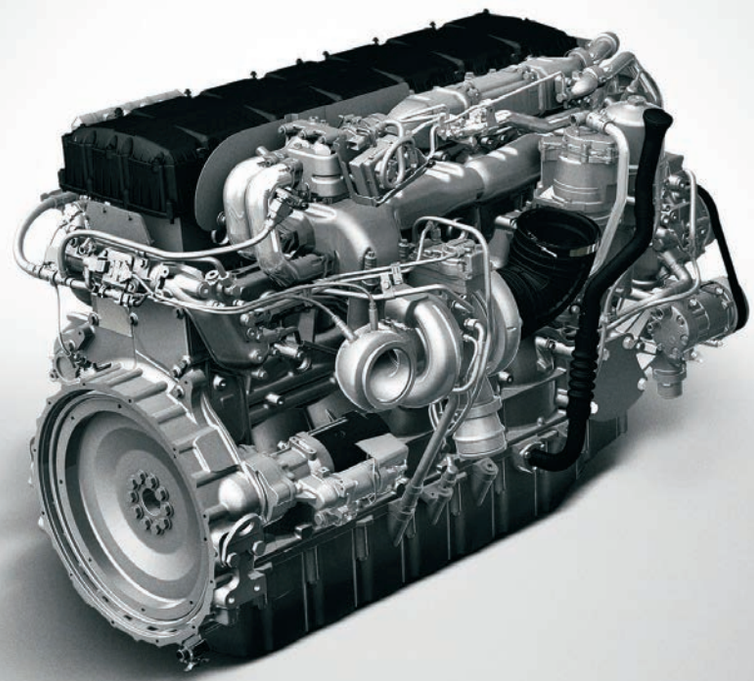
IDEAL BALANCE TECHNOLOGY IS A COMPLETELY NEW WAY TO MANAGE CROP FLOW FOR SUPERIOR PRE-SEPARATION. Two specially molded return pans use the full length of the threshing and separation chamber to distribute crop evenly to the cleaning shoe, even on hillsides. Even more impressive, this design eliminates the need for a complex self-leveling shoe, reducing complexity and maintenance requirements. Instead, the two return pans use a radically new and innovative curved design to evenly distribute material from the rotors to the cleaning shoe, enhancing the efficiency of the cleaning system.



MORE POWER. LESS HASSLE.

WITH SIMPLE GEARBOXES AND FEWER BELTS THAN OTHER COMBINES, THE IDEAL OFFERS A SYSTEM DESIGNED TO LEAD THE INDUSTRY IN POWER-TRANSFER EFFICIENCY AND PUT MUSCLE WHERE THE COMBINE NEEDS IT THE MOST. The shortest route is a straight line. That's the basic idea behind the IDEAL DriveCenter, the combine's central power unit, in which one gearbox attached directly to the engine drives all main components of the combine: the processor, cleaning system and hydraulic pumps, as well as the header, including today's newest corn chopper heads. Such a straightforward design allows for the most efficient transmission of power. Also, because belts can siphon off power via slippage and breakage, the IDEAL uses fewer of them than other combines. Wet clutches on the DriveCenter also ensure smooth engagement, thereby reducing wear and tear—and maintenance—on each component.

I 450-650HP



COOL RUNNING IN HARSH CONDITIONS.

WITH AIRSENSE, THE ENGINE ALWAYS RUNS AT OPTIMAL TEMPERATURE. BLOWING OUT THE RADIATOR MANUALLY IS A THING OF THE PAST. The AirSense system optimizes cooling based on factors such as engine load and temperature. Such synchronization often results in a reduction of fan speed, increasing horsepower for other functions and/or fuel savings. AirSense also takes in air from the top of the machine, where it's freest of dirt and debris. Yet, even here, the air is often choked with chaff and dust. So, to prevent buildup—even in the heaviest dust and chaff—the system's fan reverses automatically to clear the radiator, so the operator doesn't have to do so manually.

AGCO FUSE®. Fuse, AGCO's next-generation approach to precision agriculture, offers advanced technology solutions to support the entire crop cycle. From planning, field prep, and planting through crop care, harvesting, and grain storage, Fuse Technologies and Fuse Connected Services help you connect your farm assets. They provide the support to help you manage farm data, make more informed business decisions and reduce input costs.

SEAMLESS FILE TRANSFER. Data can be sent and received by your IDEAL combine. A growing list of farm management information software (FMIS) can link directly to your machine. One simple click sends or receives files.

UPTIME, ALL THE TIME. Avoid downtime with AgCommand® telemetry, our industry-first satellite and dual-band cellular technology that connects you, your machine and your dealer, if you choose. Monitor near-real-time performance, stay on top of maintenance intervals and even predict maintenance issues before they stop you.

SPEC SHEET

Feeder	Unit	IDEAL 7	IDEAL 8	IDEAL 9
Feederhouse Lifting Capacity	lbs. (ton)	10,000 (5)	10,000 (5)	13,000 (6.5)
Hydrualic Header Reverser with Creep Function		■	■	■
Feeder Chain Configuration		3 Strand	3 Strand	4 Strand
Processor	Unit	IDEAL 7	IDEAL 8	IDEAL 9
RotorFeeder Dimensions	in. (mm)	24 x 55 (600 x 1400)	24 x 55 (600 x 1400)	24 x 55 (600 x 1400)
RotorFeeder Speed - Proportional to Rotor Speed	rpm	285 - 656	200 - 828	200 - 828
Rotor		Single	Dual	Dual
Rotor Dimensions	in. (mm)	24 x 190.5 (600 x 4837)	24 x 190.5 (600 x 4837)	24 x 190.5 (600 x 4837)
Threshing Area	$in.^2$ (m^2)	1287 (0.83)	2573 (1.66)	2573 (1.66)
Separation Area	$in.^2$ (m^2)	2232 (1.44)	2976 (1.92)	3720 (2.4)
Total Separation Area	$in.^2$ (m^2)	3519 (2.27)	5549 (3.58)	6293 (4.06)
Cleaning	Unit	IDEAL 7	IDEAL 8	IDEAL 9
Total Chaffer/Sieve Area	$in.^2$ (m^2)	7595 (4.9)	7595 (4.9)	8370 (5.4)
Total Cleaning Area	$in.^2$ (m^2)	11548 (7.45)	11548 (7.45)	12322 (7.95)
Electric Sieve Adjustment		■	■	■
Fan Type		3 x Impeller Fan	3 x Impeller Fan	3 x Impeller Fan
Cleaning Fan Speed	rpm	250 - 1400	250 - 1400	250 - 1400
Tailings/Return System		Separate Rethresher	Separate Rethresher	Separate Rethresher
Grain Handling	Unit	IDEAL 7	IDEAL 8	IDEAL 9
Stream 4.0 Grain Tank - 350 Bushel Unloading Rate - 4.0 bu./sec.		■	■	□
Stream 6.0 Grain Tank - 485 Bushel Unloading Rate - 6.0 bu./sec.		□	□	■
Residue Management	Unit	IDEAL 7	IDEAL 8	IDEAL 9
BaseCut Configuration	Rows - Knives	4 - 56	4 - 56	4 - 56
ShortCut Configuration	Rows - Knives	8 - 112	8 - 112	8 - 112
Straw Chopper Speed (High - Low)	rpm	3600 - 850	3600 - 850	3600 - 850
Engine and Drives	Unit	IDEAL 7	IDEAL 8	IDEAL 9
Engine Type		AGCO Power®	MAN	MAN
Displacement	l	9.8	12.4	15.2
Engine Horsepower (Rated / Max)	hp (kw)	392 (292) / 451 (336)	470 (351) / 538 (401)	564 (421) / 647 (483)
Engine Operating Speed	rpm	1900	1900	1900
Emissions Level		T4F	T4F	T4F
Ground Drive	Unit	IDEAL 7	IDEAL 8	IDEAL 9
Transmission 2 Speed Motion Shift		■	■	■
Max Speed	mph (km/h)	25 (40)	25 (40)	25 (40)

■ STANDARD □ OPTIONAL

MASSEY FERGUSON IDEAL

LOW-RATE, FLEXIBLE FINANCING. With competitive rates and easy terms, your AGCO dealer and AGCO Finance® offer great ways to buy, lease or rent your new machine. Visit agcofinance.com.

QUALITY PARTS. Genuine AGCO equipment replacement parts are made to the same high standards as those used on the assembly line, so you can always keep your AGCO equipment running like new. Plus, AGCO Parts come with our industry-leading, one-year parts, six-month warranty on dealer-installed labor. Visit http://www.masseyferguson.com.au/parts-and-service.aspx.

AGCO
Your Agriculture Company