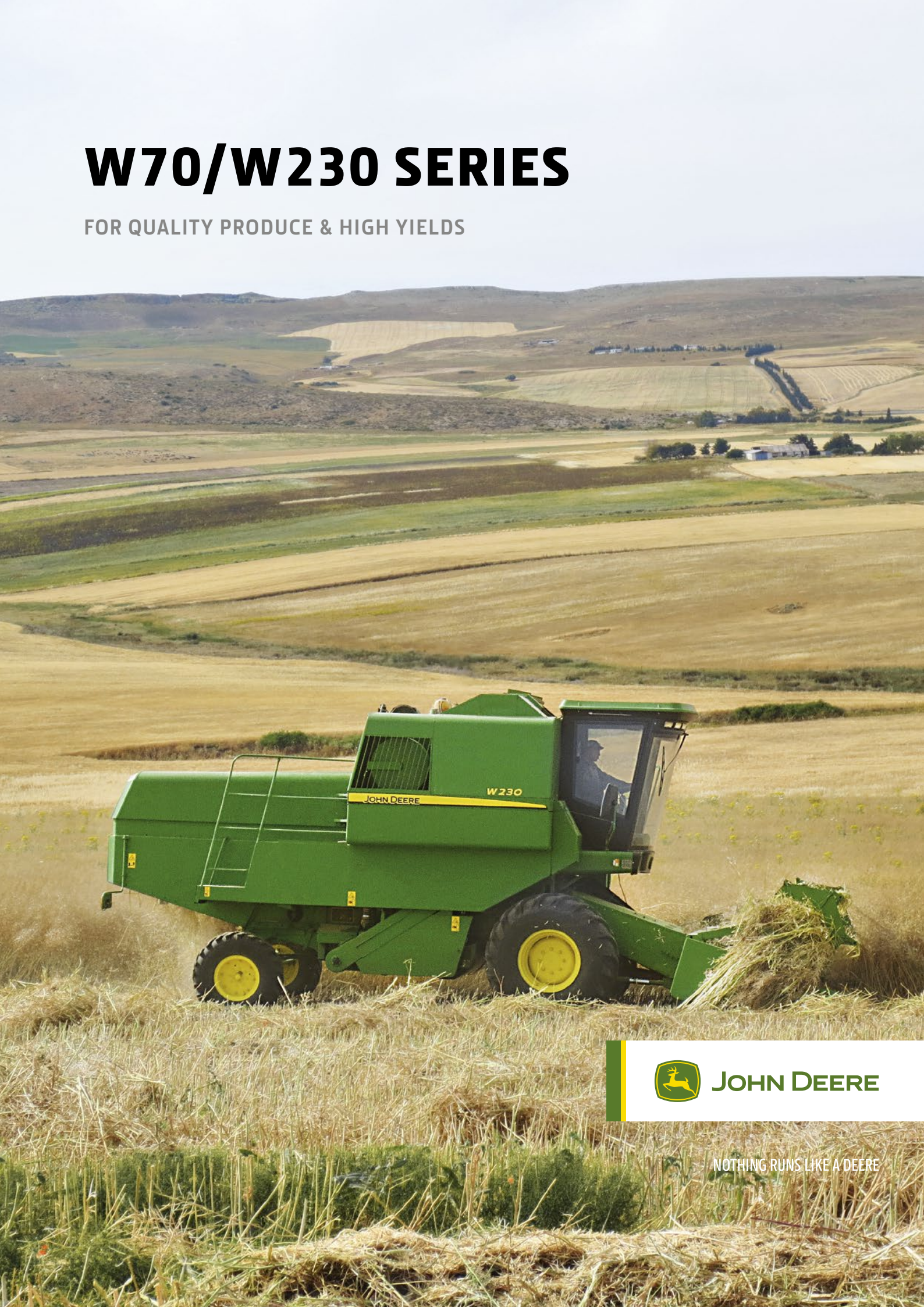
W70/W230 SERIES

FOR QUALITY PRODUCE & HIGH YIELDS



JOHN DEERE

NOTHING RUNS LIKE A DEERE

W70 COMBINE: CUTTING THE TIME & COST OF HARVESTING

This combine made by the largest combine manufacturer in the world, John Deere, eraned itself a legendary reputation for productivity and durability in various fields around the world. Customers for these high-quality machines can also rely on pre-sales and after sales support through our worldwide network of trained, experienced and highly competent dealers.

Timely harvesting and preparing the land for the next crop is crucial to achieving global standards of farm productivity. W70 Series combine harvesters provide a solution to these challenges, reducing dependence on increasingly expensive or scarce labour, and maximising output every season.

LIGHTWEIGHT MACHINE

This lightweight, compact machine can work effectively in most conditions. It causes minimal soil compaction. The robust design of this combine has proven itself for over 30 years in the fields in Europe and other parts of the world.

FAN

The blower helps in blowing out the chaff while allowing the grain to drop into the clean grain auger. The speed of the blower can be adjusted as per the condition and amount of crop.

HEADER WITH EVEN CROP FLOW

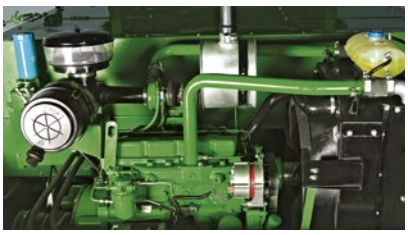
The large intake auger of the platform together with the knife with high cut frequency ensure clean cut and even feeding.

ADJUSTABLE STEERING & OPERATOR SEAT

The seat and steering column can be adjusted according to the operator's requirements, which results in comfortable driving and less fatigue. even during long hours of operation.

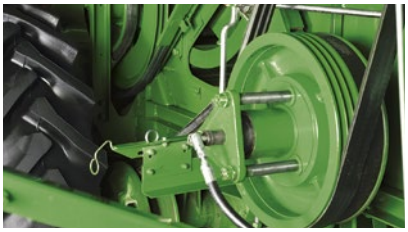
SELF CLEANING RADIATOR

The self-cleaning radiator removes chaff and other foreign material by means of a suction mechanism. This extends engine life by preventing clogging as well as drastically reducing the need for manual cleaning of the radiator.



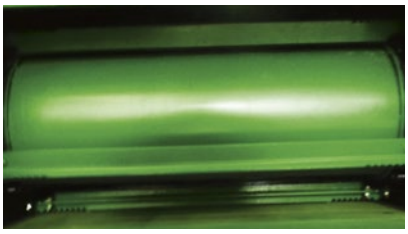
4 CYLINDER TURBO CHARGED ENGINE

The highly reliable John Deere 4039 100 hp engine with 4-speed transmission optimises ground speed to give excellent fuel efficiency.



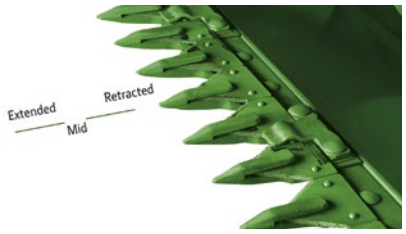
POSI TORQUE DRIVE

A posi torque drive on the variator of the ground drive and the threshing cylinder automatically tightens the drive belt depnding on the load. In wet conditions or undulating terrain the ground drive pulls through without the risk of belt slippage. Also the threshing drum works smoothly without operator intervention.



DRUM TYPE FEEDER HOUSE

The W70 has an adjustable floating drum, which allows adjustments in height as per the crop mat coming from the header. This reduces plugs and maximises smooth crop flow.



ADJUSTABLE CUTTER BAR

The cutter bar can be set at retracted, extended and mid positions. Retracted: for crops that are down, tangled, wet or infested with weeds. Extended: for tall, heavy-stemmed crops such as tall wheat or rape seed. Mid: suitable for most crops and conditions.

W230 COMBINE: POWER & RELIABILITY TO GET THE JOB DONE

The John Deere W230 combines also have a strong heritage and the same genes as their larger peers in the John Deere combine family. They are well suited for all small grains, sorghum, millet, rape seed, corn, beans and other crops. Their excellent efficiency, fuel economy, performance and quality quickly pay back your investment.

W230 combine benefit from a large diameter threshing drum preserves grain and straw quality. The large threshing area gives a great throughput.

HEADERS

Rigid and flexible heads meet the requirements of customers for any crop or terrain. The bottom of the rigid head is made of superior steel plate for extra resistance to wear from abrasive and uninterrupted crop flow from the header into the combine even in tough, wet conditions. The flexible header is suitable for harvesting soybean and by locking the cutter bar into the rigid position it can also be used for rice harvesting.

JOHN DEERE ENGINE

The 6.8 L John Deere PowerTech engine is highly reliable, which means maximum uptime and longer operations, for increased revenue. Precise fuel injection also increases economy, while the turbo-charger delivers high operating efficiency.

CAB CONTROLS

Cab controls are ergonomically designed to reduce operator fatigue. All important operating conditions are observable in real time for early detection of any fault, reducing downtime.

COMFORTABLE CAB

The large size of the cab offers plenty of space for both operator and insturctor. Large glass areas ensure an excellent view to the header and into the grain tank. All controls are perfectly located to enable comfortable work and fast reaction to changing conditions. The low noise level and air-condition enable long working days.

STRAW CHOPPER

Our powerful chopper is equipped with a lot of knives and high rpm chops the straw into fine pieces which is spread evenly over the whole width of the cutting platform.

FRONT DRIVE TRANSMISSION

Four-speed transmission increases operating efficiency and extends continuous operation time.

ROTARY SCREEN

The rotary screen in front of the engine radiator removes dust automatically to extend the maintenance cycle and maximise uptime.

HYDRAULIC UNLOADING AUGER

Improves grain unloading speed, and enables unloading on-the-go.

SPECIFICATIONS

	W70	W230
FRONT ATTACHMENTS		
Cutterbar cutting width (m)	4.17	4.57 or 5.4
Cutterbar type	Rigid	Rigid or flex grain header, 6 row corn head, pickup
Flex range of flex cutter bar (mm)	Not available	90
Multifinger intake auger	Auger with retracting figures in peripherial pattern	Auger with retracting figures in peripherial pattern
Mechanical reel drive	Yes	Yes
FEEDERHOUSE		
Conveyor chains	2	3
Slip Clutch	Yes	Yes
Header Cutting angle adjustment (degrees)	+6 Deg, -3 Deg	+6 Deg, -3 Deg
THRESHING SYSTEM		
Drum Width (mm)	1040	1300
Cylinder diameter (mm)	610	610
No. of rasp bars	8	8
Wrapping Angle (degree)	105	104
Cylinder speed range, standard (rpm)	565-1150	565-1135
Cylinder dual range drive, option (rpm)	Not available	150-420
Small Grain Concave	Yes	Yes
Concave adjustment	Via Lever at Operator Station	Via Lever at Operator Station
Stone trap	Yes	Yes
Rice threshing unit	Spike Tooth Threshing Cylinder and Concave	Spike Tooth Threshing Cylinder and Concave
RESIDUAL GRAIN SEPARATION		
Straw walkers (No.)	4	5
Straw walker steps (No.)	4	5
Straw walker length (mm)	3140	3860
Straw walker area (m^2)	3.23	4.83
Separator drum above straw walkers	No	Yes
CROP CLEANING		
Preparation pan	Yes	Yes
Tailing returns via elevator to drum	Yes	Yes
Returns visible from operator station on the go	Yes via inspection hatch	Yes via inspection hatch
Single range fan drive (rpm)	Mechanical	440-1200
TOTAL cleaning Shoe area (m^2)	2.45	4.30
Sieve adjustment	Manual	Manual
Fan	4 blade fan	4 blade fan
Fan adjustment (rpm)	409-1055	440-1200
GRAIN TANK		
Capacity (l)	2700	4600
Discharge auger	Open Type, Manual operated	Closed Type hydraulically

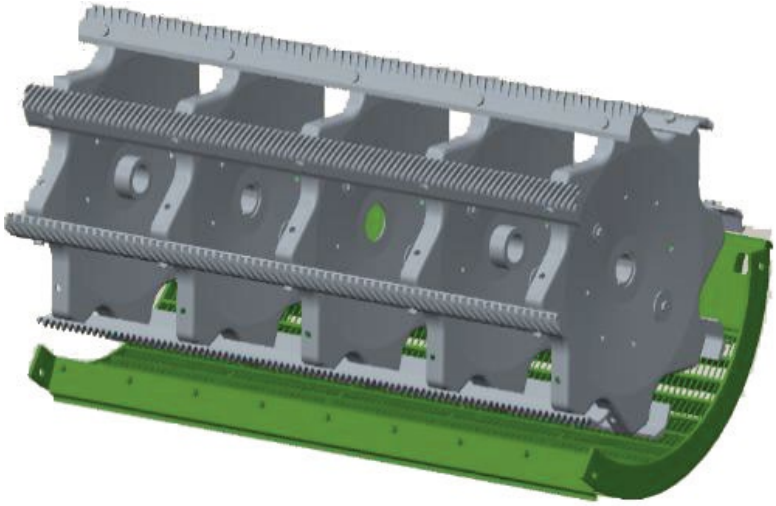
SPECIFICATIONS

	W70	W230
Discharge rate (l/sec)	37	50
Unloading auger discharge clearance (m)	3260	4100
CHOPPER		
Straw Chopper	As attachment via parts	As attachment via parts
Number of knives (static / rotating)	39 / 40	47 / 48
Adjustable Vane Tailboard	Yes	Yes
ENGINE		
Manufacturer	John Deere	John Deere
Model	4039	6068
Cylinders / displacement	4 / 3.92 l	6 / 6.8 l
Engine control	Mechanical	Electronical
Rated power (kW / hp)	74 / 100.6	136 / 185
Fuel tank capacity (l)	240	300
Emissions standard	Stage 3A	stage 3A
Ground drive options	Mechanical transmission	Mechanical or hydrostatical transmission
Mechanical transmission	Belt Drive	Belt Drive
Number of gears	4 Forward, 1 Reverse	4 Forward, 1 Reverse
Clutch type	Dry Friction Disc	Dry Friction Disc
Maxium forward speed (kph)	27	20
Hydrostatical transmission	Not available	Option
Maxium forward speed (kph)	-	24
TYRES		
Front	16.9-30 12 PR	23.1-26 R1
Rear	7.5 16 12 PR	12.00-18
DIMENSIONS AND WEIGHTS		
Height at maximum point (mm)	3715	3840
Shipping length without header with shortest or folded unloading auger (mm)	6320	7130
Weight, without cutterbar, with straw chopper, fuel tank full, weights depend on equipment (kg)	6100	8200
TRANSPORT WIDTH		
With front with tires mentioned above (mm)	2850	3260
OPERATOR STATION		
TYPE		
Driver Seat	Yes	Yes
Passenger Seat	Yes - RH side	No
Info Display / Gauge	Instrument Cluster	Instrument Cluster
Air Condition	Not available	Yes
Driving Lights	2	2
Working Lights	2 + 2 (2 Front, 1LH side, 1 Rear side)	7

MOBILITY IN THE FIELD & HIGH THRESHING CAPACITY

The superb manufacturing quality behind the John Deere W230 combine provides reliable performance and efficiency. Its electronic control common rail engine delivers the necessary power.

The large threshing cylinder and large threshing area ensure smooth crop flow while the large walker area safely removes the grain and reduces losses to a minimum.



LARGE THRESHING CYLINDER

The large threshing cylinder rubs out the grain gently and preserves a good grain quality. At the same time the straw is only minimally damaged which increases the straw yield.

FEEDER HOUSE

The large opening at the feederhouse enables an even feeding over the whole width of the threshing drum. A long feederhouse enables a good view to the header.

HIGH CAPACITY GRAIN TANK

The large grain tank reduces the amount of unloading cycles. The tank is easy to clean out thanks to the smooth surfaces inside.

CLEANING SHOE

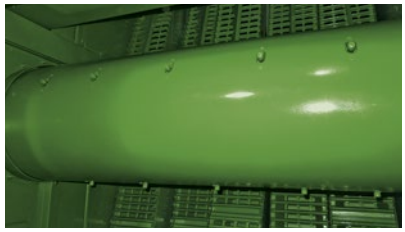
To ensure the combine can keep up with faster harvest speeds and higher-yielding crops, the cleaning shoe features a large adjustable chaffer and large sieve to deliver more capacity and clean almost any crop.

CLEANING FAN

Adapts to the cleaning requirements of different crops under different conditions for clean grain and minimal loss.

STRAW WALKER BLOCKAGE ALARM

Three alarm sensors in the separation system prevent serious blockages to maximise uptime.



POWER SEPARATOR

The tines of the seprator loosen up the crop mat lifting it up and increase the separation capacity especially under wet conditions.

STRAW WALKER SEPARATION SYSTEM

The large (4.8 m²) separation area greatly enhances the separation performance.

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