

Feeding system		
Feed elevator		Heavy duty chain and slat
Variable-speed feeder house drive		Optional
Feed reverser		Electro-hydraulic
Housing width	mm	1,121
Lateral tilt		Standard
Threshing/Separation system		
System		Rotary
Concave type		Open, 7 sections Open,
Crop concave options		Small wire, large wire, round bars
Rock protection		Stone trap
Rotor / cylinder / threshing		
Bars, type		Hardened
Diameter	mm	700
Length	mm	3,556
Drive / speed control		
		Hydrostatic
Speed, low range	rev/min	175 - 746
Speed, high range	rev/min	175 - 970
Concave/grate area	m ²	1.42
Separating area	m ²	1.45
Cleaning system		
Cleaning stages	m ²	2
Pre-cleaner area	m ²	0.54
Top sieve area	m ²	2.39
Sieve area	m ²	2.02
Total area	rev/min	4.95
Cleaning fan		
		Transverse
Speed	rev/min	590-1,500
Diameter	mm	279
Grain handling system		
Tank capacity	L	10,570
Unloading auger		
Diameter	mm	381
Unload rates	L/sec	159
Length from centreline	m	7.40
Discharge height	m	4.34
Clearance height	m	4.07

Crop residue disposal		
Chopper		2 speed
Straw spreader		2 speed / Optional
Hydraulic chaff spreader		Optional
Engine		
Model		AGCO SISU POWER 84 AWI
Displacement	L	8.4
No. of cylinders		6/Inline
Horsepower @ 2,100 rpm	SAE (Kw)	313 (234)
Fuel tank capacity	L	870
Drive/Propulsion system		
Hydrostatic transmission		4 speed
Final drive type		Spur gear S-41
Tread width standard/reversed	m	3.05/3.68
Steering axle		
Tread width adjustable axle	m	3.02/3.65
Tread width RWA	m	3.07/3.68
Steering type		Dual cylinder
Turning radius	m	6.43
Hydraulic system		
Hydraulic pump		Closed Centre Piston Type
Control valve		Electro-hydraulic
Tank capacity	L	9.9
Cab and controls		
Seat Luxury		Air Ride Luxury
Steering wheel		Tilt/telescope
Controls		Right-hand console
Interior volume	m ³	3.44
Glass area	m ²	5.7
Field lights		12
Dimensions		
Transport height	m	3.73
Overall length without header	m	9.95
Wheelbase	m	3.71
Base weight with tires	kg	12,701
Ground clearance	mm	480

520C

SPECIFICATION SHEET

Challenger



Every effort has been made to ensure that the information contained in this publication is as accurate and current as possible. However, inaccuracies, errors or omissions may occur and details of the specifications may be changed at any time without notice. Therefore, all specifications should be confirmed with your Challenger Dealer or Distributor prior to any purchase. Visit the Challenger Site: www.challenger-ag.com or for Challenger Merchandise: www.challengerstore.com

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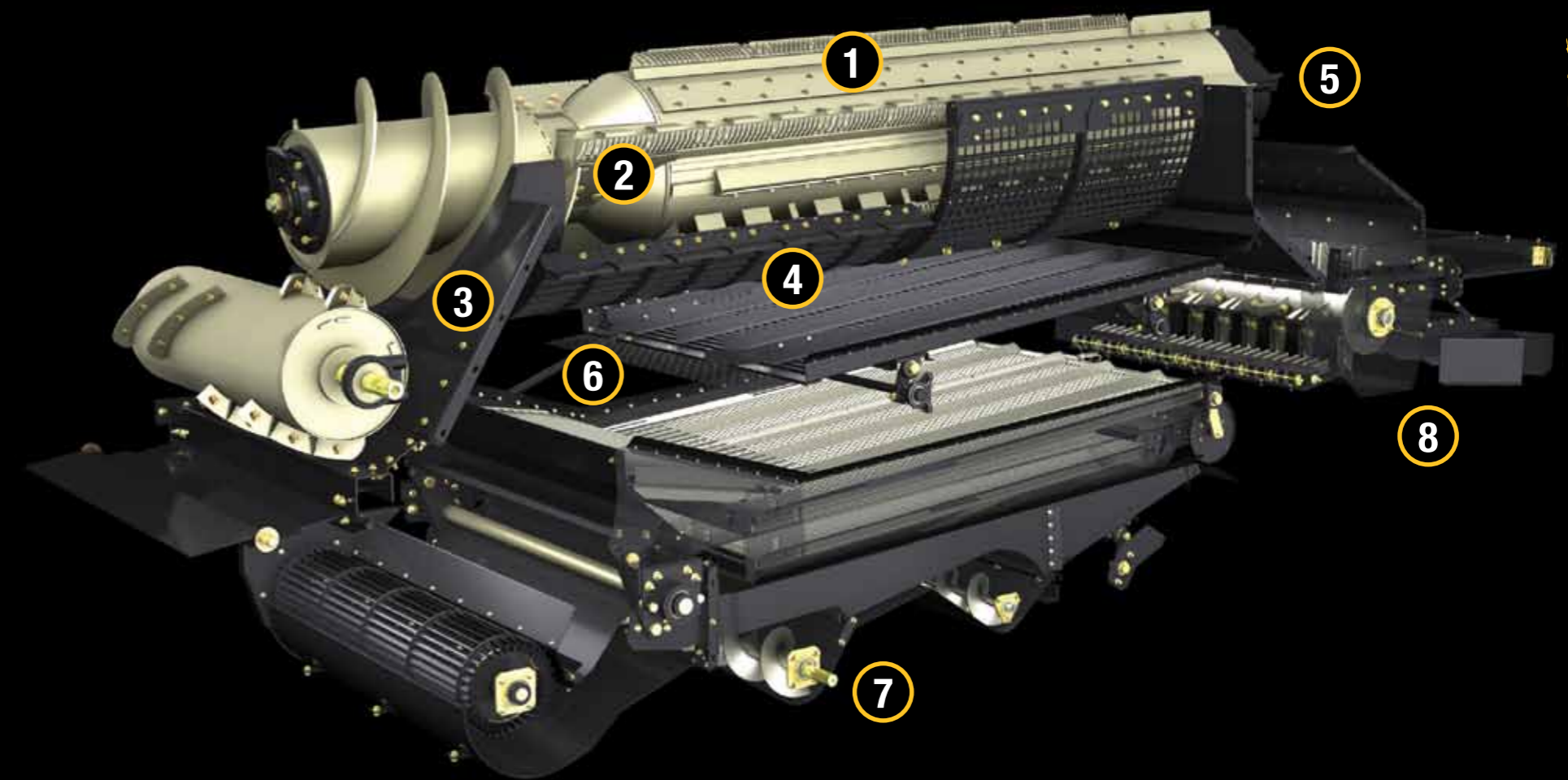
THE CHALLENGER 520C COMBINE HARVESTER

From the header to the spreader, the Challenger® 520C rotary combine has been designed for maximum capacity and efficiency. The 520C offers next-generation features like high-torque engine, increased cab comfort and the fastest unloading rate in the industry. And a complete ISOBUS interface allows the operator to monitor and control ALL combine and engine functions via the new C2100 terminal. Challenger combines lead the way with improved features and unmatched productivity. So you can harvest more hectares in less time.

FEATURES AHEAD OF THE REST...

- 1 The longest in the industry, the Advanced Harvesting System™ (AHS) rotor increases crop throughput, allowing the combine to maximize productivity and - in many cases - operate at higher ground speeds.
- 2 The AHS performs four major functions - feeding, threshing, separation and discharge - via a single rotor, improving crop quality, reducing losses and lowering operating costs, all without the extra augers, drives, gears and discharge rotors found on other machines.
- 3 Using a patented intake design, the AHS gently gathers crop material from the UniFlow feed conveyor and distributes it 360 degrees around the threshing system for greater overall capacity, less crop damage and less wear at the intake area.

- 4 The threshing system features seven concave sections, providing a threshing area of 1.42 m² for enhanced grain separation.
- 5 A hydrostatic drive system, along with an electronic control system that regulates pump oil flow, maintains a selected rotor speed regardless of changes in the engine rpm or field conditions.
- 6 As crop material falls from the grain pan, it gently cascades to the top sieve via a perforated cascade pan allowing pre-cleaning of the material before reaching the main sieves thus increasing cleaning system capacity and improving grain sample.
- 7 A large capacity cross auger transports clean grain to the grain tank where an exclusive two-auger unloading system, comprising of a 300mm cross auger feeding a 375mm high capacity unloading auger, unloads the grain bin in 75 seconds!
- 8 The rugged high speed straw chopper cuts and accelerates residue for even spreading behind the combine in readiness for the following crop planting to take place.



ADDITIONAL KEY FEATURES OF THE CHALLENGER 520C ROTARY COMBINE INCLUDE:

- Various header options available for small and large grain harvesting
- Latest generation of AGCO SISU Power engines providing superior power characteristics and fuel economy.
- New flat screen cooling system air intake with rotating vacuum arm removes dust and debris to ensure correct operating temperatures are maintained even in the harshest conditions.
- New electrical system with twin generators and 24V engine starting ensure reliable operation through long harvest days and nights.
- One of the largest cabs in the industry with 3.44m² of interior space and a total of 5.7m² of tinted glass provides uncompromising comfort and convenience for greater productivity.