

Specification

| | 654 | 658 |
|---|--|--------------------------|
| Table | | |
| Cutting widths – Powerflow | 6.8/7.6 m (22/25 ft) | 6.8/7.6 m (22/25 ft) |
| Hydrostatic reel drive | Standard | Standard |
| Table and elevator reverser | Hydraulic | Hydraulic |
| AutoGlide | Automatic cutting height control, automatic field pressure, pre-set stubble height, automatic reel speed | |
| Option | Pick-up table, maize/sunflower headers, left/right vertical knives, rape auger | |
| Cylinder and concave | | |
| Cylinder width/diameter | 1680/600 mm | 1680/600 mm |
| Cylinder speed range | 370-1080 rpm | 370-1080 rpm |
| Concave no. bars/area | 12 / 1.06 m ² | 12 / 1.06 m ² |
| Rotary separator | Optional | Standard |
| Constant Flow | Optional | Standard |
| Straw walkers | | |
| No. / effective separation area | 8 / 9.9 m ³ | 8 / 9.9 m ³ |
| Cleaning system | | |
| 2 adjustable sieves, area | 5.3 m ² | 5.3 m ² |
| Independent returns rethresher | Standard | Standard |
| Double centrifugal fanning mill | Standard | Standard |
| Grain Tank | | |
| Capacity, Standard / Autolevel | 9500 / 9500 | 10500 / 9500 |
| Discharge time / height | 110 sec / 4.2 m | 110 sec / 4.2 m |
| Residue handling | | |
| Chaff spreader | Optional | Optional |
| Straw chopper with fine cut kit | Optional | Optional |
| Electric deflectors | Optional | Optional |
| Minimum till chopper with 108 serrated knives | Standard | Standard |
| Engine | | |
| Gross hp (ISO14396) | 348 hp (256 kW) | 382 hp (281 kW) |
| with Power Boost | 378 hp (278 kW) | 413 hp (304 kW) |
| Make / Capacity | SISU 84 CTA-4V / 8.4 l | SISU 84 CTA-4V / 8.4 l |
| Transmission | | |
| Type / no. gears | Hydrostatic / 4 | Hydrostatic / 4 |
| Weights and dimensions (with full fuel tank) | | |
| Overall length – with table | 10.02 m | 10.68 m |
| Width – less table | 3.82 m | 3.82 m |
| Weight – less table | 13800 kg | 13880 kg |
| Optional equipment | A wide range of options is available, including yield monitor, moisture sensor, GPS and printer. Please consult your Challenger dealer for more details. | |

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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We're up to
The Challenge

Challenger 654 • 658

Challenger 654 • 658



We're up to
The Challenge

Professional performance

With the trend towards ever-bigger farms, fewer, bigger combines are being used to tackle the vital harvest period.

The new Challenger range is designed and built to meet the goals of lower running costs and higher output, with high-performance features and a build quality and specification that ensures built-in reliability.



Key reasons to choose a Challenger 654 or 658:

Powerful, large capacity, Tier III emissions-compliant engines help to maintain productivity and sample quality in the toughest conditions.

Power Boost provides an additional 30hp (22kW) during unloading.

Powerflow tables are the best in the business, featuring powered belts to ensure a constant, even feed irrespective of crop type and condition.

High-specification cab with excellent driving position and advanced control and monitoring systems all help to sustain productivity throughout the longest working day.

Highly efficient, yet gentle threshing and separation maintain both output and sample quality.

Less damage to straw means a better swath and easier baling.

Alternatively a choice of easily engaged straw choppers give ideal conditions for either incorporation or minimum tillage operations.

Options available to further enhance combine productivity include:

Fieldstar®* yield mapping

Auto Level models help to maintain output and sample quality on hillsides

High-capacity rape auger for increased output in tall crop varieties

Full range of high-output maize and sunflower headers

Range of specialist kits for peas, beans, grass seed, linseed and more

Constant Flow option gives increased output with less driver fatigue

*Fieldstar® is a registered trademark of AGCO Corporation

| Model range | Gross hp (ISO14396) | Auto Level available | No. of straw walkers | Table sizes available (m/ft) | Grain tank capacity (l) |
|-------------|---------------------|----------------------|----------------------|------------------------------|----------------------------------|
| 654 | 348 | Yes | 8 | 6.8, 7.6 / 22, 25 | 9500 |
| 658 | 382 | Yes | 8 | 6.8, 7.6 / 22, 25 | 10500 (9500 on Auto level model) |

Performance combines for professional farmers and contractors





Supreme comfort

The spacious, fully air-conditioned cab offers excellent table visibility. Choice of fully adjustable seats includes air-suspended for maximum comfort.

The DATAVISION screen is your “centre of operations”, helping you to achieve optimum output at all times:

- The screen position is fully adjustable and enables up to 8 functions to be displayed simultaneously
- All major settings are made using the DATAVISION screen
- It provides warnings and information to avoid costly down-time

- It provides data on yield and combine performance, which forms the basis for Precision Farming

The wide cylinder and concave (plus rotary separator) are exceptionally strong and are designed to thresh efficiently, whilst minimising grain damage. This improves sample quality – and price!

The “HiStream 100” cleaning system is designed to handle large volumes of grain, up to 100 tonnes/hour.

Key to multi-function lever:

- | | |
|--------------------|------------------------------------|
| A Table engagement | E Unloading auger extension/return |
| B Table lift/lower | F Automatic return-to-cut |
| C Reel position | G DATAVISION menu selection |
| D Reel speed | H Forward/reverse speed control |



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