

SERIOUS MACHINERY. SERIOUS RESULTS.

500E SERIES COMBINES
SPECIFICATIONS

Challenger

500E SERIES COMBINES

SPECIFICATIONS



500E SERIES COMBINE

540E | 560E

| MODELS | 540E | 560E |
|---|--|--|
| FEEDING SYSTEM | | |
| Chain Size | 4-strand HD #557 | 4-strand HD #557 |
| Variable-speed header drive | Optional | Optional |
| Feed reverser | Electro-hydraulic | Electro-hydraulic |
| Housing width in. (mm) | 55.4 (1,408) | 55.4 (1,408) |
| Lateral tilt | Standard | Standard |
| Rock protection | Standard stone trap | Standard stone trap |
| THRESHING / SEPARATION | | |
| System | Rotary | Rotary |
| Concave type | Grain: Small wire Corn: Round bar | Grain: Small wire Corn: Round bar |
| Concave overload protection | Spring-dampened | Spring-dampened |
| Concave / grate area in. ² (m ²) | 2,115 (1.36) | 2,115 (1.36) |
| Separating area in. ² (m ²) | Grain: 3,420 (2.2) Corn / Soybeans: 3,886 (2.5) | Grain: 3,420 (2.2) Corn / Soybeans: 3,886 (2.5) |
| Rotor type | Segmented element | Segmented element |
| Rotor diameter in. (mm) | 31.5 (800) | 31.5 (800) |
| Rotor length in. (mm) | 140 (3,556) | 140 (3,556) |
| Drive type | Variable belt / 2-speed | Variable belt / 2-speed |
| Drive speed (rpm) | Low Speed: 277-743 High Speed: 481-1293 | Low Speed: 277-743 High Speed: 481-1293 |
| Processor reverser | Electro-hydraulic ring and pinion | Electro-hydraulic ring and pinion |
| CLEANING SYSTEM | | |
| Cleaning stages | 3 | 3 |
| Pre-cleaner area in. ² (m ²) | 992 (0.64) | 992 (0.64) |
| Chaffer area in. ² (m ²) | 4,588 (2.96) | 4,588 (2.96) |
| Sieve area in. ² (m ²) | 3,875 (2.50) | 3,875 (2.50) |
| Total area in. ² (m ²) | 9,455 (6.10) | 9,455 (6.10) |
| Cleaning fan type and diameter in. (mm) | Transverse, 13 (330.0) | Transverse, 13 (330.0) |
| GRAIN HANDLING SYSTEM | | |
| Grain bin bu. (L) | 350 (12,334) | 350 (12,334) |
| Unloading auger diameter in. (mm) | 15 (381) | 15 (381) |
| Average unload rate bu. / sec (L / sec) | 4.0 (141) | 4.0 (141) |
| Unloading auger length from center line in. (m) | Std. 292.6 (7.4) Opt. 328.0 (8.3) | Std. 292.6 (7.4) Opt. 328.0 (8.3) |
| Unloading auger discharge height in (m) | Std. 171.2 (4.34) Opt. 179.8 (4.6) | Std. 171.2 (4.34) Opt. 179.8 (4.6) |

| MODELS | 540E | 560E |
|---------------------------------------|--|--|
| CROP RESIDUE DISPOSAL | | |
| Straw chopper (optional) | 2-speed MAV™ | 2-speed MAV™ |
| Straw spreader | 2-speed | 2-speed |
| Hydraulic chaff spreader | Optional | Optional |
| ENGINE | | |
| Engine model | AGCO POWER™ 98 ATI | AGCO POWER™ 98 ATI |
| Displacement in. ³ (L) | 598 (9.8) | 598 (9.8) |
| Number of cylinders | 7 / inline | 7 / inline |
| Horsepower @ 2,100 rpm SAE (kW) | Rated 375 (280) Unload boost 451 (331) | Rated 460 (343) Unload boost 490 (365) |
| Fuel tank capacity gal. (L) | 230 (870) | 230 (870) |
| DRIVE / PROPULSION SYSTEM | | |
| Transmission (variable / manual) | 2-speed hydrostatic / 4-speed | 2-speed hydrostatic / 4-speed |
| Steering axle options | Std. adjustable Opt. 2-speed RWA | Std. adjustable Opt. 2-speed RWA |
| HYDRAULIC SYSTEM | | |
| Hydraulic pump | Piston / variable disp. | Piston / variable disp. |
| Hydraulic reservoir capacity gal. (L) | 22.5 (85.2) | 22.5 (85.2) |
| CAB AND CONTROLS | | |
| Standard seats | High-back cloth, pneumatic suspension | High-back cloth, pneumatic suspension |
| Optional seats | Deluxe seat, fabric w/leather side bolsters, heating and cooling, pneumatic suspension | Deluxe seat, fabric w/leather side bolsters, heating and cooling, pneumatic suspension |



- ▲ The powered unloading auger grain saver eliminates grain loss from the spout, especially when the auger is disengaged while full of grain.
- ▲ The enhanced cab design delivers maximum operator comfort through ergonomic placement of controls and various interior quality improvements.

Challenger



CHALLENGER is a registered trademark of Caterpillar Inc. and is used under licence by AGCO.
© 2015 AGCO Corporation (877) 525-4384 CH15S002CR (05) POD HMS