

Workshop Service Manual for 9280 DELTA Combine Series

MF 9280 DELTA + Auto Level



Workshop Service Manual for 9280 DELTA Combine Series

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1.1 Using the manual

1.1.1 Using the manual

T008027

General

All operations described in this manual relating to repairs and maintenance must only be carried out by trained service personnel. The purpose of the manual is to help dealers and workshops start up, service and repair AGCO's equipment as efficiently and effectively as possible. If the specified procedures are followed and the recommended special tools used where necessary, jobs can be completed within the time indicated in the "Repair Time Schedule" manual.

Pagination

Example: [see §3.1.3, page 83](#)

This manual is divided into chapters and sections. In the example the figures show:

First figure = Chapter

Second figure = Section

Third figure = Consecutive number in the section in question

69 = Page number in manual

The publication number and version appear at the bottom of the page.

Use

To make it easier to look things up, there is a table of contents at the beginning of every chapter listing the various sections in the chapter.

Modifications

Modified pages have the same section numbering as their predecessors: Only the page number and version number change.

The old pages must be destroyed.

Service tools

In the case of jobs that require service tools, the number of the tool is specified at the point in the text where it is needed.

Repairs and replacing parts

When replacing parts, it is very important to only ever use genuine AGCO spares.

Please pay particular attention to the following points when it comes to repairs and fitting spare parts or other equipment.

Fitting non-genuine spare parts may impair the safety of the machine.

In some countries it is against the law to fit parts that do not conform to the manufacturer's specifications. Torque wrenches must always be adjusted in accordance with the instructions given in the workshop manual. Fit locking devices where specified. If the locking device breaks when removed, fit a new one.

If non-genuine AGCO parts are fitted, the machine will no longer be covered by the right to complain, as the manufacturer provides a warranty on all AGCO components. AGCO dealers are under the obligation to supply genuine parts only.

Repair Time Schedule

The "Repair Time Schedule" manual contains a table of standard time requirements for the commonest repairs on a combine. The manual's sections follow the layout of the spare parts catalogue.

1.2 General specifications

1.2.1 General specifications

T013214

Cutting table	Unit	9280 DELTA
Quick-attach type, can be attached and removed directly on the ground. Power take-off with transmission shaft		
Cutting height PowerFlow	cm	-40 to +148
Knife speed	strokes/minute.	1138
Hydraulically balanced by pressure accumulators		yes
Electrohydraulic cutting height presetting		yes

Reel	Unit	9280 DELTA
Electrohydraulic reel drive	rpm	0-50
Peripheral speed	km/h	0-9.1
Electrohydraulic reel control up/down and fore/aft		yes
Hydraulic reversing		yes

Threshing cylinder	Unit	9280 DELTA
Speed, normal	rpm	360-1080
Width	cm	168
Number of rasp bars	units	8
Diameter	cm	60
Weight	kg	318
Electrohydraulic speed adjustment		yes
Peripheral speed	m/sec.	11.3-33.9
Constant Flow		yes

Concave	Unit	9280 DELTA
Concave area	cm ²	10600
Number of rub bars	units	13
Concave wires, self-cleaning, spring steel	mm	Ø 3.5
Concave wrap	degrees	117
Concave adjustable from operator seat		yes

Rear beater	Unit	9280 DELTA
Diameter	cm	37.5

Rotor Feeder	Unit	9280 DELTA
Speed, normal	rpm	950
Speed, reduced	rpm	475
Diameter	cm	50
Width	cm	168
Separation area	cm ²	390

Rotors	Unit	9280 DELTA
Qty	units	2
Diameter	mm	475
Length	cm	415
Area with Rotor Feeder	cm ²	3537
Separation area	m ²	3.54
Wrap, rotor grate	degrees	150
Speed	rpm	360-1000
Rotor fingers (per rotor)	units	38
Hatch in straw hood for cleaning rotor discharge		yes

Main grain pan	9280 DELTA
Two-sectioned lengthwise	yes
Stepped sections removable for cleaning	yes
Crop channelling	yes

Shaker shoe	Unit	9280 DELTA
Two-sectioned lengthwise		yes
Adjustable sieves		yes
Sieve area	cm ²	5300
Opposite movement of sieves		yes
Crop channelling		yes
Work light		yes

Fanning mill	Unit	9280 DELTA
Venturi system		yes
Two-sectioned centrifugal blower		yes
Electrical speed adjustment from operator seat or at shaker shoe (left-hand side)		yes
Speed	rpm	460-1150
Reduced speed	rpm	310-790

Grain tank	Unit	9280 DELTA
Capacity	litres	10500 (AL 9500)
Inside light		yes
Adjustable full warning		yes
Outside steps and inside ladder for easy access		yes
Sampling tray		yes

1

Unloading auger	Unit	9280 DELTA
Enclosed system, electrohydraulically pivotable		yes
Unloading also in partially turned-in position, and without threshing unit being engaged		yes
Unloading (depending on conditions)	sec.	121 (AL 110)
Unloading height, max. (G)	cm	450
Unloading auger diameter	cm	33

Engine	Unit	9280 DELTA
Type, AGCO SISU POWER		98 ATI 661
Speed	rpm	2100
Volume	litres	9.8
Number of cylinders	units	7
Gross power* (with Power Boost**)	HP	466 (508)
Gross power* (with Power Boost**)	kW	343 (374)
Engine oil, capacity	litres	35
Rotary screen	units	1
Exhaust-aspirated air cleaner on air intake		yes
Fuel tank, capacity	litres	750
AdBlue tank, capacity	litres	85
Coolant	litres	45
* Gross power according to ISO 14396		
** Power Boost ensures additional capacity during unloading. Through a signal from the unloading system the engine output is increased by 42 HP / 31 kW during unloading.		

Gear oil	Unit	9280 DELTA
Gearbox contains	litres	9.5
Coupler housing for oil motor	litres	1.5
Final drives contain	litres	6
The rotor gear has a capacity of	litres	1.5

Transmission	Unit	9280 DELTA		
Hydrostatic transmission		yes		
4-speed, electric gearshift		yes		
Speed	1. gear	Forward	km/h	0-6
		Reverse	km/h	0-3*
	2. gear	Forward	km/h	0-12
		Reverse	km/h	0-6
	3. gear	Forward	km/h	0-20
		Reverse	km/h	0-10
	4. gear	Forward	km/h	0-25**
		Reverse	km/h	0-12
*Reverse speed ranges up to 6 km/h when the threshing unit is engaged.				
** Applies to all countries except Germany where max. speed is 20 km/h.				

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