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TUCANO – new control concept and MONTANA side-slope levelling

A new CEBIS terminal, an extended model range and optional side-slope levelling are among the highlights of the new-generation TUCANO from CLAAS. For the first time in this range, models with side-slope levelling are available. The operator assistance systems AUTO CROP FLOW, which controls the crop flow, and AUTO SLOPE, which adjusts the fan speed, are now also available in these combine harvesters, along with a grain tank capacity of up to 11,000 l. The TUCANO 580 is the new top-of-the range model in this series.

Climb aboard and get to work

The new CEBIS terminal, in combination with the redesigned armrest, allows the operator to control all the key functions of the combine harvester intuitively – without any previous knowledge of the machine. CEBIS can be controlled as before by means of a control panel, but also through direct access to the functions on the touchscreen. A touch of a finger on the threshing unit, for example, activates the user-friendly dialog for adjusting the drum speed. Here, too, the operator makes the adjustment intuitively – in the familiar way that settings on a smartphone are adjusted. All the key machine functions can also be adjusted directly by means of switches on the armrest. CEBIS complements this quick access mode with a favourites management system, in which the operator defines specific machine control functions which can then be called up very quickly when required via buttons on the CMOTION multifunction control lever.

Optimal visibility under all conditions is ensured by a wide range of terminal adjustment options. It can pivot from its normal position in the operator's field of vision completely to the right, next to the armrest. This means that the operator still has an optimal view over the entire front attachment even when working at the edge of the field or in laid crops.

MONTANA side-slope levelling

For the first time, five TUCANO models are available ex factory as MONTANA variants. This system compensates for slide slope inclines of up to 16%, or up to 18% for the TUCANO 560 and 430. In the field, all the functions run automatically with the current tilt and cutting angle displayed in CEBIS. The MONTANA models are equipped with a 2-speed manual transmission with automatic adjustment of the engine load. In both gears there are two drive ranges which are selected on the basis of the load on the ground drive. No manual selection is necessary, the machine switches automatically to the lower drive range when high traction is required. The new all-wheel-drive axle in the MONTANA models provides up to 70 % more tractive power compared with the standard all-wheel-drive axle. A differential lock for the front axle is available as an option. Side-slope levelling is available for the APS HYBRID TUCANO 580, 570 and 560 machines as well as for the APS 6-walker TUCANO 450 and the APS 5-walker TUCANO 430.

AUTO CROP FLOW and grain tank capacity of up to 11,000 litres

AUTO CROP FLOW, the operator assistance system already utilised in the LEXION series, is now available in the TUCANO models for the first time.

Continuous monitoring of the speed of the threshing unit, residual grain separation system, straw chopper and engine prevents machine blockages and overloads. This means that the combine harvester can be operated closer to its performance limits under varied conditions and by less experienced operators.

The new AUTO SLOPE function in the TUCANO has also already proved itself in the LEXION. The system continuously adjusts the fan speed in accordance with the longitudinal tilt of the machine. The cleaning system also always performs optimally under changing conditions during uphill and downhill operation.

The grain tank now has a capacity of up to 11,000 litres, including on MONTANA versions. An automatic flap on the discharge auger reliably prevents residual crop outflow, even if the auger is still full.

CLAAS has also introduced the following practical details:

- A feeder housing dust extraction system is available for improved visibility in dusty conditions and in the dark.
- The returns are shown in CEBIS and can be assessed along with the losses.
- More stowage space for tools and maintenance parts.
- Additional and enlarged maintenance panels for the engine and residual grain separation system.
- On-board water tank for hand washing.

New top model: TUCANO 580

The TUCANO series comprises a total of 13 models, ranging from the new TUCANO 580 with 280 kW/381 hp to the TUCANO 320 with 180 kW/245 hp. All the engines in the range are from Mercedes Benz, comply with the Stage V (Tier 5) emissions standard and now work with DYNAMIC POWER. This function, already established in JAGUAR forage harvesters, matches the engine power curve to the prevailing operating conditions. When less power is required, during swathing, for example, fuel savings are possible. If more power is called for, when discharging, for example, the full engine output is immediately available again. The machines offer further scope for savings through the reduction of the full-load engine speed to 1,900 rpm and the reduction of the idling speed to 850 rpm.

Models at a glance

Model	System	Grain tank	Max. kW/hp
TUCANO 580	APS HYBRID, 1,580 mm	11,000 l	280/381
TUCANO 580 MONTANA	APS HYBRID, 1,580 mm	11,000 l	280/381
TUCANO 570	APS HYBRID, 1,580 mm	11,000 l / 10,000l	260/354
TUCANO 570 MONTANA	APS HYBRID, 1,580 mm	11,000 l / 10,000l	260/354
TUCANO 560	APS HYBRID, 1,320 mm	9,000 l	260/354
TUCANO 560 MONTANA	APS HYBRID, 1,320 mm	9,000 l	260/354
TUCANO 550	APS HYBRID, 1,320 mm	9,000 l	230/313
TUCANO 450	APS 6-walker, 1,580 mm	10,000 l	230/313
TUCANO 450 MONTANA	APS 6-walker, 1,580 mm	10,000 l	230/313
TUCANO 440	APS 6-walker, 1,580 mm ²	9,000 l	210/286
TUCANO 430	APS 5-walker, 1,320 mm	9,000.l / 8,000 l	210/286
TUCANO 430 MONTANA	APS 5-walker, 1,320 mm	9,000.l / 8,000 l	210/286
TUCANO 420	APS 5-walker, 1,320 mm	7,500.l	180/245
TUCANO 340	6-walker, 1,580 mm	8,000 l	210/286
TUCANO 320	5-walker, 1,320 mm	7,500 l / 6,500 l	180/245

CLAAS

CLAAS er en familiejet virksomhed grundlagt i 1913 og en af verdens førende producenter af landbrugsmaskiner. Virksomheden, med hovedkontor i Harsewinkel i Tyskland, er Europas førende inden for mejetærskere. CLAAS er også førende inden for landbrugsteknologi med sine traktorer, ballepressere og grønne høstmaskiner. CLAAS beskæftiger ca. 10.900 medarbejdere verden over og havde en omsætning på 3,7 mia. euro i regnskabsåret 2017.

Danish Agro a.m.b.a.

Danish Agro koncernen består af en række agroindustrielle selskaber i ind- og udland. De har alle den overordnede målsætning - i et tæt samspil med kunderne - at medvirke til værdiskabende løsninger på de enkelte bedrifter. Koncernen er beskæftiget inden for salg af foderblandinger, råvare- og vitaminforblandinger,

gødning, planteværn, såsæd og energi samt køb af afgrøder fra landbruget. Endvidere forhandler koncernen en række stærke maskinbrands til landbruget samt driver en omfattende kæde af hobby- og fritidsforretninger. Danish Agro Koncernen beskæftiger ca. 5.000 medarbejdere og vil i 2018 have en omsætning i niveauet 32 mia. kr.

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