

LEXION

		670/ 670 TERRA TRAC/ 670 MONTANA	660	650	630/ 630 MONTANA	620
Threshing system						
APS acceleration and pre-separation		●	●	●	●	●
MULTICROP concave		●	●	●	●	●
Drum width	mm	1700	1700	1700	1420	1420
Drum diameter	mm	600	600	600	600	600
Drum speed	rpm	395–1150	395–1150	395–1150	395–1150	395–1150
with reduction gear	rpm	166–483	166–483	166–483	166–483	166–483
Rasp bar threshing drum		○	○	○	○	○
Closed rasp bar threshing drum		●	●	●	●	●
7/18 concave		●	●	●	●	●
Concave wrap angle	degrees	142	142	142	142	142
Main concave area	m ²	1.26	1.26	1.26	1.06	1.06
Concave adjustment, electrohydraulic, with overload protection		●	●	●	●	●
Synchronised accelerator and impeller		●	●	●	●	●
Automatic drum variator tensioner		●	●	●	●	●
Large stone trap		●	●	●	●	●
Rice threshing unit		–	–	–	○	–
Residual grain separation						
Straw walkers	quantity	6	6	6	5	5
Walker length	m	4.4	4.4	4.4	4.4	4.4
Straw walker area	m ²	7.48	7.48	7.48	6.25	6.25
Separation area	m ²	9.85	9.85	9.85	8.23	8.23
MULTIFINGER SEPARATOR SYSTEM		●	●	●	●	●
Cleaning system						
Plastic preparation floor (divided, removable from the front)		●	●	●	●	●
Fan		6-turbine	6-turbine	6-turbine	4-turbine	4-turbine
Electric fan adjustment		●	●	●	●	●
Dual ventilated step		●	●	●	●	●
Divided, counter-directional sieve pan		●	●	●	●	●
3-D cleaning system		○	○	○	○	○
Total sieve area	m ²	5.8	5.8	5.8	4.8	4.8
Sieve adjustment, electric		●	●	●	●	●
Returns feed to accelerator		●	●	●	●	●
Returns visible from the cab on the go		●	●	●	●	●
Returns display in CEBIS		○	○	○	○	○
GRAINMETER		○	○	○	○	○
Grain tank						
Volume	l	11000/ 10000 (MONTANA)	11000	10000	9000	9000
Unloading auger swivel angle	degrees	101	101	101	101	101
Discharge rate	l/s	110	110	110	110	110
QUANTIMETER yield meter		○	○	○	○	○
Automatic chain lubrication for grain tank unloading		○	○	○	○	○
Chopper						
SPECIAL CUT II chopper, 88 knives		●	●	●	–	–
SPECIAL CUT II chopper, 72 knives		–	–	–	●	●
STANDARD CUT 64 blade straw chopper		○	○	○	–	–
STANDARD CUT 52 blade straw chopper		–	–	–	○	○
Power spreader		○	○	○	–	–
Hydraulic positioning		●	●	●	●	●
Chaff spreader		●	●	●	●	○
Chaff blower with power spreader		○	○	○	–	–

● Standard ○ Option – Not available

CLAAS continually develops its products to meet customers' requirements, so all products are subject to change without notice. All descriptions and specifications in this brochure should be considered approximate and may include optional equipment that is not part of the standard specifications. This brochure is designed for worldwide use. Please consult your nearest CLAAS dealer and their price list for local specification details. Some protective panels may have been removed for photographic purposes in order to present the function clearly. Never remove these protective panels yourself to avoid hazards. Please refer to the relevant instructions in the operator's manual in this regard.

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Running gear						
Side slope compensation up to 17%		● (MONTANA)	–	–	● (MONTANA)	–
Fore and aft compensation up to 6%		● (MONTANA)	–	–	● (MONTANA)	–
TERRA TRAC crawler tracks with hydro-pneumatic suspension		● (TERRA TRAC)	–	–	–	–
4-TRAC all-wheel drive		○	○	○	○	○
2-speed manual transmission		● (MONTANA)	–	–	● (MONTANA)	–
30 km/h		○	–	–	● (MONTANA)	–
Automobile-like driving characteristics		●	–	–	● (MONTANA)	–
Engine						
Manufacturer		Caterpillar	Caterpillar	Caterpillar	Caterpillar	Caterpillar
Model		C 9.3	C 9.3	C 9.3	C 9.3	C 9.3
Cylinders/displacement	no./l	S 6/9.3	S 6/9.3	S 6/9.3	S 6/9.3	S 6/9.3
Engine control		Electronic	Electronic	Electronic	Electronic	Electronic
Rated speed	rpm	1900	1900	1900	1900	1900
Engine output at rated speed (ECE R 120)	kW/HP	305/415	269/366	239/325	239/325	224/305
Maximum power (ECE R 120)	kW/HP	330/449	294/400	264/359	264/359	224/305
Emissions standard Stage IIIb (Tier 4i)		●	●	●	●	●
Fuel consumption metering		○	○	○	○	○
Fuel tank capacity	l	800	800	800	800	800
Planar radiator screen cleaning		●	●	●	●	●
EASY						
CEBIS		●	●	●	●	●
TELEMATICS		○	○	○	○	○
Job management		○	○	○	○	○
Yield mapping		○	○	○	○	○
CRUISE PILOT		○	○	○	–	–
GPS PILOT, LASER PILOT, AUTO PILOT		○	○	○	○	○
Weight						
Wheeled machine without front attachment, straw chopper and chaff spreader, full fuel tank (can vary depending on equipment)	kg	14,800	14,500	14,400	13,700	13,400

Tyres on the drive axle

LEXION		670	660	650	630	620
Tyre size	ø cat. (m)	External width (m)				
900/60/R 32	1.95	3.90	3.90	3.90	3.62	3.62
IF800/70 R 32 MI	1.95	3.78	3.78	3.78	3.49	3.49
800/70 R 32 CHO	1.95	3.78	3.78	3.78	3.49	3.49
800/70 R 32	1.95	3.78	3.78	3.78	3.49	3.49
710/75 R 34 MI	1.95	3.65	3.65	3.65	3.37	3.37
IF680/85 R 32 MI	1.95	3.50	3.50	3.50	3.22	3.22
680/85 R 32	1.95	3.50	3.50	3.50	3.22	3.22
800/65 R 32	1.85	3.86	3.86	3.86	3.58	3.58
650/75 R 32	1.85	3.49	3.49	3.49	3.20	3.20
30.5L R 32	1.85	–	–	–	3.49	3.49
650/75 R 32 ¹	1.85	4.61	4.61	4.61	–	–
dual + 18.4 R 38						
TERRA TRAC 635 mm	–	3.49	–	–	–	–
TERRA TRAC 735 mm	–	3.79	–	–	–	–
TERRA TRAC 890 mm	–	4.05	–	–	–	–

Tyres on the steering axle

LEXION		670	670	660	650	630	630	620
		MONT.						MONT.
Tyre size	ø cat. (m)	External width (m)						
VF620/70 R 26 MI	1.50	3.80	3.80	3.80	–	–	–	–
600/65 R 28 IMP	1.50	3.80	3.80	3.80	3.80	3.49	3.49	3.49
VF520/75 R 26 MI	1.50	3.49	–	3.49	3.49	3.22	–	3.22
500/85 R 24 IMP	1.50	3.50	–	3.50	3.50	3.22	3.50	3.22
600/55-26.5 IMP	1.35	3.80	3.80 ¹	3.80	3.80	3.50	3.50 ¹	3.50
500/70 R 24 IMP	1.35	3.49	3.49	3.49	3.49	3.22	3.49	3.22
16.5/85-24 IMP	1.35	–	–	–	3.49	3.20	–	3.20

● Standard ○ Option – Not available ¹ Machine height greater than 4 metres

Cutterbars

Front attachment selection

VARIO cutterbars	V 1200, V 1050, V 900, V 750, V 660, V 600, V 540
Standard cutterbars	C 900, C 750, C 660, C 600
Rapeseed attachment	For all standard and VARIO cutterbars
Folding cutterbars	C 540, C 450
Maize harvester	6, 8 and 12 row
SUNSPEED	12 and 16 row
FLEX cutterbars	S 900, S 750, S 600, S 510, S 450
MAXFLEX	1200, 1050
MAXFLO	1200, 1050, 900
Standard rice cutterbars	R 750, R 660, R 600, R 540, R 490, R 430 (LEXION 760, LEXION 750, LEXION 750 TERRA TRAC Rice)
VARIO rice cutterbars	V 750, V 660, V 600, V 540 (LEXION 760, LEXION 750, LEXION 750 TERRA TRAC Rice)
RAKE UP	P 420
Variable speed drive front attachment (electrohydraulic)	rpm 284–420
Front attachment step drive	rpm 332, 420
Instant cutterbar brake	○

Standard cutterbars

Effective cutting widths	C 900 (9.12 m), C 750 (7.60 m), C 660 (6.68 m), C 600 (6.07 m)
Drive	Single-side belt drive
Folding divider	●
Spacing of knife bar to intake auger	mm 580
Cutting frequency	strokes/min 1120
Multifinger intake auger	●
Hydraulic reverser	●
Hydrostatic reel drive	rpm 8–60
Automatic functions	
CONTOUR	○
AUTO CONTOUR	●
Reel speed control	●
Reel height adjustment	●
Replacement knife bar	●
Crop lifters	●

VARIO cutterbars

Effective cutting widths	V 1200 (11.97 m), V 1050 (10.67 m)	V 900 (9.12 m), V 750 (7.60 m), V 660 (6.68 m), V 600 (6.07 m), V 540 (5.46 m)
Drive	Synchronised transmission drives on both sides	Single-side belt drive
Folding divider	●	●
Spacing of knife bar to intake auger	mm 480–780, for rapeseed 1080	480–780, for rapeseed 1080
Knife bar	Divided, synchronised drive on both sides	Undivided
Cutting frequency	strokes/min 1334	1120
Reel and auger bearing	Divided reel and intake auger with central bearing	Single-unit reel and auger
Intake auger diameter	660	580
Automatic functions		
CONTOUR	○	○
AUTO CONTOUR	●	●
Reel speed control	●	●
Reel height adjustment	●	●
Reel levelling system	●	●
Table positioning	●	●
Replacement knife bar	●	●
Crop lifters	●	●

● Standard ○ Option