

LEXION

670 / 670 TERRA TRAC / 670 MONTANA 660 650 640 630 / 630 MONTANA 620

Threshing system

APS acceleration and pre-separation		●	●	●	●	●	●
MULTICROP concave		●	●	●	●	●	●
Drum width	mm	1700	1700	1700	1700	1420	1420
Drum diameter	mm	600	600	600	600	600	600
Drum speed	rpm	395 – 1150	395 – 1150	395 – 1150	395 – 1150	395 – 1150	395 – 1150
with reduction gear	rpm	166 – 483	166 – 483	166 – 483	166 – 483	166 – 483	166 – 483
Rasp bar threshing drum		●	●	●	●	●	●
Closed rasp bar threshing drum		○	○	○	○	○	○
18-concave		●	●	●	●	●	●
10-concave		○	○	○	○	○	○
Concave wrap angle	degrees	142	142	142	142	142	142
Main concave area	m ²	1.26	1.26	1.26	1.26	1.06	1.06
Electrohydraulic concave adjustment with overload protection		●	●	●	●	●	●
Synchronised accelerator and impeller		●	●	●	●	●	●
Automatic drum variator tensioner		●	●	●	●	●	●
Large stone trap		●	●	●	●	●	●
		–	–	–	–	–	–

Residual grain separation

Straw walkers	quantity	6	6	6	6	5	5
Walker length	m	4.4	4.4	4.4	4.4	4.4	4.4
Straw walker area	m ²	7.48	7.48	7.48	7.48	6.25	6.25
Separation area	m ²	9.85	9.85	9.85	9.85	8.23	8.23
MULTIFINGER SEPARATOR SYSTEM		●	●	●	●	●	●

Cleaning system

Plastic grain pan (divided, removable from the front)		●	●	●	●	●	●
Fan		6-turbine	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	5.8	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	litres	10500	10500	9600	8600	8600	8600
Unloading auger swivel angle	degrees	101	101	101	101	101	101
Discharge rate	l/s	100	100	100	100	90	90
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 chopper, 64 knives		○	○	○	○	–	–
STANDARD CUT chopper, 52 knives		–	–	–	–	○	○
Power spreader		○	○	○	○	–	–
Hydraulic positioning		●	●	●	●	●	●
Chaff spreader		●	●	●	●	○	○
Chaff blower with power spreader		○	○	○	○	–	–

● Standard ○ Option – Not available

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Running gear

Side slope levelling up to 17%		● (MONTANA)	–	–	–	● (MONTANA)	–
Longitudinal levelling up to 6%		● (MONTANA)	–	–	–	● (MONTANA)	–
TERRA TRAC crawler belts		● (TERRA TRAC)	–	–	–	–	–
4-TRAC all wheel drive		○	○	○	○	○	○
2-gear transmission		● (MONTANA)	–	–	–	● (MONTANA)	–
30 km/h		●	–	–	–	–	–

Engine

Manufacturer		Caterpillar	Caterpillar	Caterpillar	Caterpillar	Caterpillar	Caterpillar
Model		C 13	C 9	C 9	C 6.6	C 9	C 6.6
Cylinders / displacement	number/ litres	S 6/12.5	S6/8.8	S6/8.8	S 6 / 6.6	S6/8.8	S 6 / 6.6
Engine control		electronic	electronic	electronic	electronic	electronic	electronic
Rated speed	rpm	1900	2100	2100	2200	2100	2200
Engine capacity at rated speed (ECE R 120)	kW/HP	287/390	261/355	230/313	205/279	230/313	205/279
Maximum power (ECE R 120)	kW/HP	317/431	278/378	249/339	205/279	249/339	205/279
TIER 3 EUROMOT IIIa emission standard		●	●	●	●	●	●
Fuel consumption metering		○	○	–	○	–	○
Fuel tank capacity	litres	800	800	800	800	600	600
Rotating radiator screen extraction		●	●	●	●	●	●

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	14800	14500	14400	14200	13700	13400
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Tyres on the drive axle

LEXION	670	670 MONTANA	660	650	640	630	630 MONTANA
Tyre size	Outer width (m)						
TERRA TRAC	3.49	–	3.49	3.49	3.49	–	–
650/75 R32	3.48	–	3.48	3.48	3.48	3.20	–
680/85 R32	3.50	3.58	3.50	3.50	3.50	3.22	3.30
IF 680/85 R32	3.49	–	3.49	3.49	3.49	3.21	–
710/75 R34	3.63	–	3.63	3.63	3.63	3.35	–
800/65 R32	3.86	–	3.86	3.86	3.86	3.58	–
30.5 LR 32	–	–	–	–	–	3.47	–
800/70 R32	3.76	3.77	3.76	3.76	3.76	3.48	3.49
IF 800/70 R32	3.76	–	3.76	3.76	3.76	3.48	–
900/60 R32	3.89	3.90	3.89	3.89	3.89	3.61	3.62
1050/50 R32	4.38	–	4.38	4.38	4.38	–	–
650/75 R32	4.60	–	4.60	4.60	4.60	–	–
+ Dual 18.4 R38							
680/85 R32	4.86	–	4.86	4.86	4.86	–	–
+ Dual 520/85 R38							

Tyres on the steering axle

LEXION	670	670 MONTANA	660	650	640	630	630 MONTANA	620
Tyre size	Outer width (m)							
16.5/85-24	–	–	–	3.43	3.43	3.13	3.24	3.13
16.5/85-24 (4-TRAC)	3.40	–	3.40	3.40	–	3.10	3.28	3.10
500/70 R24	3.48	3.58	3.48	3.48	3.48	3.18	3.28	3.18
500/70 R24 (4-TRAC)	3.45	3.60	3.45	3.45	3.45	3.15	3.30	3.15
500/85 R24	3.49	–	3.49	3.49	3.49	3.19	–	3.19
500/85 R24 (4-TRAC)	3.46	–	3.46	3.46	3.46	3.16	–	3.16
600/55-26.5	3.77	3.75	3.77	3.77	3.77	3.47	3.45	3.47
600/55-26.5 (4-TRAC)	3.79	3.74	3.79	3.79	3.79	3.49	3.44	3.49
600/65 R28	3.76	–	3.76	3.76	3.76	3.46	–	3.46
600/65 R28 (4 TRAC)	3.79	–	3.79	3.79	3.79	3.49	–	3.49
700/50-26.5	3.87	–	3.87	3.87	3.87	3.57	–	3.57
700/50-26.5 (4 TRAC)	3.89	–	3.89	3.89	3.89	3.59	–	3.59

● Standard ○ Option – Not available

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Specifications

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, C 540
Rapeseed attachment	VARIO cutterbars
Maize harvester	6, 8 and 12 row
Variable speed drive front attachment (electrohydraulic) rpm	284 – 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), C 540 (5.46 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 (10.44 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
Knife bar	divided, synchronised drive on both sides	undivided
Cutting frequency	Strokes/min	1334
Reel and auger storage	divided reel and intake auger with central bearing	undivided 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