

LEXION		780/ 780 TERRA TRAC	770/ 770 TERRA TRAC	760/760 TERRA TRAC/ 760 MONTANA	750
Threshing system					
APS acceleration and pre-separation		●	●	●	●
MULTICROP concave		●	●	●	●
Drum width	mm	1700	1700	1420	1420
Drum diameter	mm	600	600	600	600
Drum speed	rpm	395–1150	395–1150	395–1150	395–1150
with reduction gear	rpm	166–483	166–483	166–483 (MONTANA)	166–483
Rasp bar threshing drum		○	○	○	○
Closed rasp bar threshing drum		●	●	●	●
7/18 concave		●	●	●	●
Concave wrap angle	degrees	142	142	142	142
Main concave area	m ²	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					
ROTO PLUS high performance rotors	quantity	2	2	2	2
Rotor length	mm	4200	4200	4200	4200
Rotor diameter	mm	445	445	445	445
Rotary sieves	quantity	6	5	5	5
Rotor speed	rpm	–	800/640/500 (962)	800/640/500 (962)	800/640/500 (962)
with VRS	rpm	450–1250	360–1050	360–1050	360–1050
Variable rotor separation area		●	●	●	●

Cleaning system					
JET STREAM cleaning system		●	●	●	●
Plastic preparation floor (divided, removable from the front)		●	●	●	●
Fan		8-turbine	8-turbine	6-turbine	6-turbine
Electric fan adjustment		●	●	●	●
Dual ventilated step		●	●	●	●
Divided, counter-directional sieve pan		●	●	●	●
3-D cleaning system		●	●	●	○
Total sieve area	m ²	6.2	6.2	5.1	5.1
Sieve adjustment, electric		●	●	●	●
Returns feed to accelerator		●	●	●	●
Returns visible from the cab on the go		●	●	●	●
Returns display in CEBIS		○	○	○	○
GRAINMETER		●	●	●	●

Grain tank					
Volume	l	12500	11500/○ 12500	11000 (9000 MONTANA)	10000
Unloading auger swivel angle	degrees	101	101	101	101
Discharge rate	l/s	130	130	130 (110 MONTANA)	110
QUANTIMETER yield meter		●	●	●	●
Automatic chain lubrication for grain tank unloading		●	●	●	●

Chopper					
Special Cut II chopper, 108 knives		●	●	–	–
SPECIAL CUT II chopper, 72 knives		–	–	●	●
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.

LEXION		780/ 780 TERRA TRAC	770/ 770 TERRA TRAC	760/760 TERRA TRAC/ 760 MONTANA	750
Running gear					
Side slope compensation up to 17%		–	–	● (MONTANA)	–
Fore and aft compensation up to 6%		–	–	● (MONTANA)	–
TERRA TRAC crawler tracks with hydropneumatic suspension		● (TERRA TRAC)	● (TERRA TRAC)	● (TERRA TRAC)	–
POWER TRAC		○	○	○	○
4-TRAC all-wheel drive		–	–	–	○
2-speed manual transmission		●	●	● (MONTANA/TERRA TRAC 40 km/h)	–
40 km/h		–	–	○ (TERRA TRAC)	–
30 km/h		●	●	● (● MONTANA)	–
Automobile-like driving characteristics		●	●	●	–
Differential lock		○	○	–	–
4-link axle for 30° tyres		●	●	–	–

Engine					
Manufacturer		Mercedes-Benz	Mercedes-Benz	Caterpillar	Caterpillar
Model		OM 502 LA	OM 502 LA	C 13	C 9.3
Cylinders / displacement	no./l	V 8/16.0	V 8/16.0	S 6/12.5	S 6/9.3
Engine control		Electronic	Electronic	Electronic	Electronic
Rated speed	rpm	1900	1900	1900	1900
Engine output at rated speed (ECE R 120)	kW/HP	405/551	370/503	330/449	305/415
Maximum power (ECE R 120)	kW/HP	440/598	405/551	360/490	330/449
Emissions standard Stage IIb (Tier 4i)		●	●	●	●
Exhaust aftertreatment SCR		●	●	–	–
Urea tank		●	●	–	–
Exhaust aftertreatment EGR with DPF		–	–	●	●
Fuel consumption metering		○	○	○	○
Fuel tank capacity	l	1150	1150	1150 (800 MONTANA)	1150
DYNAMIC COOLING		●	●	●	–
Planar dust extraction		–	–	–	●

EASY					
CEBIS		●	●	●	●
TELEMATICS		●	●	○	○
Job management		○	○	○	○
Yield mapping		●	●	○	○
CRUISE PILOT		●	○	○	○
CEMOS AUTOMATIC		○	○	○	○
CEMOS		○	○	○	○
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	17950	17400	16500	16200

LEXION		780	770	760	760 MONTANA	750	LEXION		780	770	760	760 MONTANA	750
Tyres on the drive axle						Tyres on the steering axle							
Tyre size	ø cat. (m)	External width (m)				Tyre size		ø cat. (m)	Outer width (m)				
IF900/60 R 38 MI	2.05	3.90	3.90	3.62	–	–	TERRA TRAC, 635 mm	–	3.49	3.49	3.29	–	–
IF800/70 R 38 MI	2.05	3.78	3.78	3.49	–	–	TERRA TRAC, 735 mm	–	3.79	3.79	3.49	–	–
800/70 R 38 CHO	2.05	3.78	3.78	3.49	–	–	TERRA TRAC, 890 mm	–	4.05	4.05	3.79	–	–
900/60 R 32	1.95	3.89	3.89	3.62	3.62	3.62	Steel half track, 900 mm	–	–	–	3.93	–	–
IF800/70 R 32 MI	1.95	3.76	3.76	3.49	3.49	3.49	Tyres on the steering axle						
800/70 R 3+2 CHO	1.95	3.76	3.76	3.49	–	3.49	Tyre size	ø cat. (m)	Outer width (m)				
800/70 R 32	1.95	3.76	3.76	3.49	3.49	3.49	750/65 R 26 Mi	1.65	3.96	3.96	–	–	–
710/75 R 34 MI	1.95	–	–	3.37	–	3.37	710/60 R 30	1.65	3.90	3.90	–	–	–
680/85 R 32 dual +	1.95	4.87	4.87	4.61	–	4.61	620/70 R 30 IMP	1.65	3.70	3.70	–	–	–
520/85 R 38							620/75 R 26	1.65	3.70	3.70	–	–	–
IF680/85 R 32 MI	1.95	3.50	3.50	3.22	3.29	3.22	500/85 R 30 IMP	1.65	3.49	3.49	–	–	–
680/85 R 32	1.95	3.50	3.50	3.22	3.29	3.22	VF620/70 R 26 Mi	1.50	3.70	3.70	3.49	–	3.49
650/75 R 32	1.85	–	–	3.49	–	–	600/65 R 28 IMP	1.50	3.70	3.70	3.49	3.50	3.49
650/75 R 32 dual +	1.85	–	–	4.33	–	4.33	VF520/75 R 26 Mi	1.50	3.49	3.49	3.22	–	3.22
18.4 R 38							500/85 R 24 IMP	1.50	3.49	3.49	3.22	3.30	3.22
							710/45-26.5 (700/50-26.5) IMP	1.35	–	–	3.60	–	3.60

● Standard ○ Option – Not available

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 770, LEXION 760, LEXION 760 TERRA TRAC Rice)
VARIO rice cutterbars	V 750, V 660, V 600, V 540 (LEXION 770, LEXION 760, LEXION 760 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 dividers	●	●
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