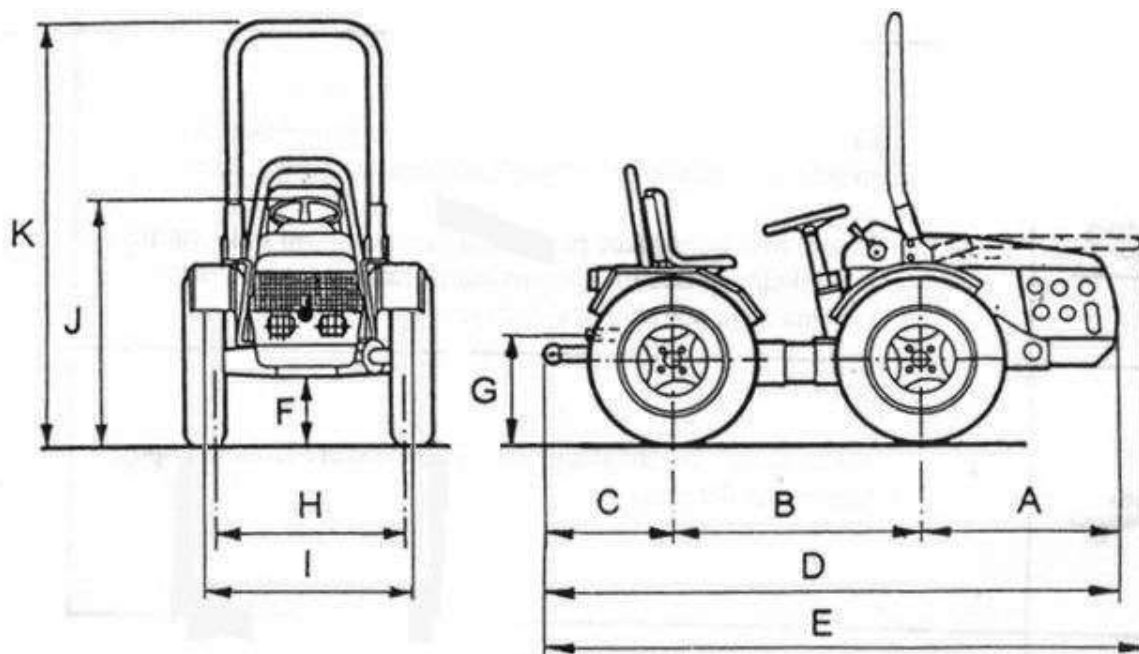


TECHNICAL SHEET

TRACTOR DIMENSIONS



All measurements are in mm

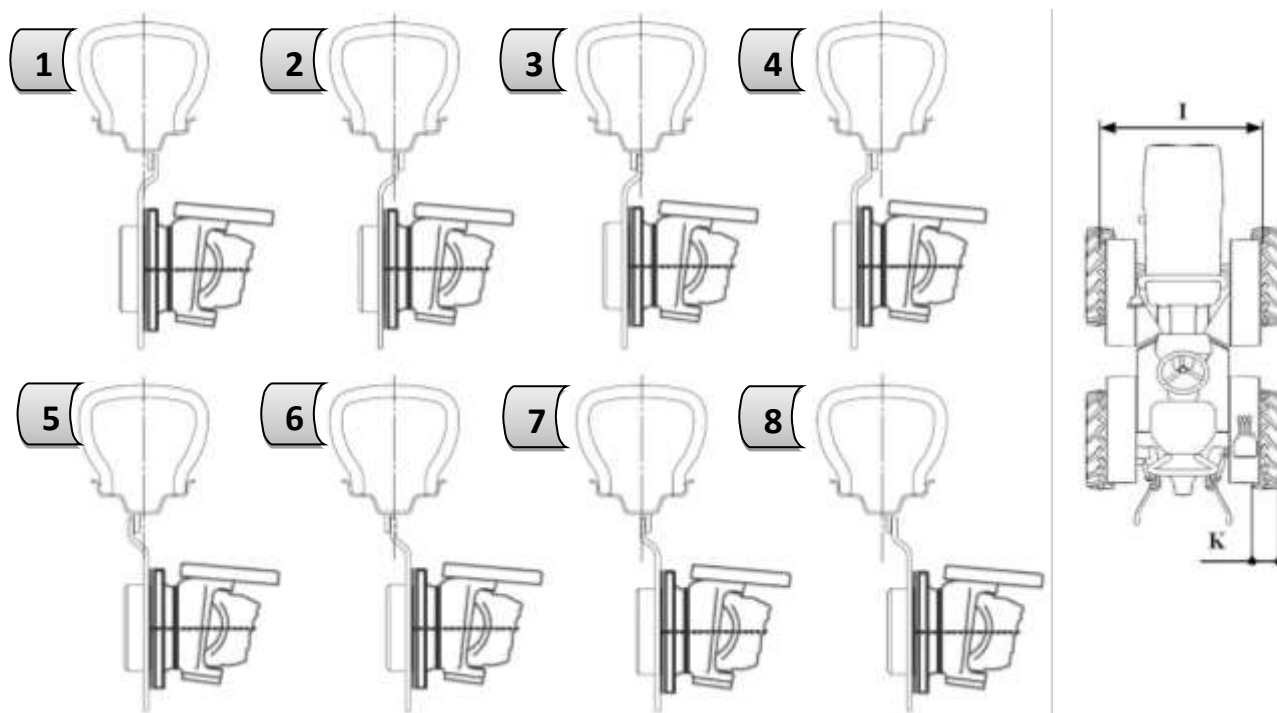
		AGT 830/835	AGT 835 T/S
A – distance between centre of front axle and end point of front part	standard	1020	1010
	front hydraulics	1170	1230
B – wheelbase			1240
C – distance between centre of rear axle and end point on implement			760
D – maximum length	standard	2895	3010
	front hydraulics	3045	3230
E – maximum length with lowered roll bar (without front hyd.)		2945	3060
H – transmission axle distance	front axle	750	1000
	rear axle		

AGT 830/835						
Tyres	K	K*	F	J	G	I
6x16	1868	1821	214	1055	439	See chapter "TRACTOR AXLE LENGTHS"
7,5x16	2000	1950	240	1130	470	
260/70 R16	1918	1870	224	1084	451	
31x15,5-15	1993	1942	239	1126	468	
27x10,5-15	1701	1659	180	961	400	
AGT 835 T/S						
Tyres	K	K*	F	J	G	I
6x16	2036	1943	237	1111	439	See chapter "TRACTOR AXLE LENGTHS"
7,5x16	2180	2080	263	1190	470	
260/70 R16	2090	1995	247	1141	451	
31x15,5-15	2172	2072	262	1186	468	
27x10,5-15	1854	1769	203	1012	400	

* with cabin

TRACTOR AXLE LENGTHS

ADJUSTABLE RIMS



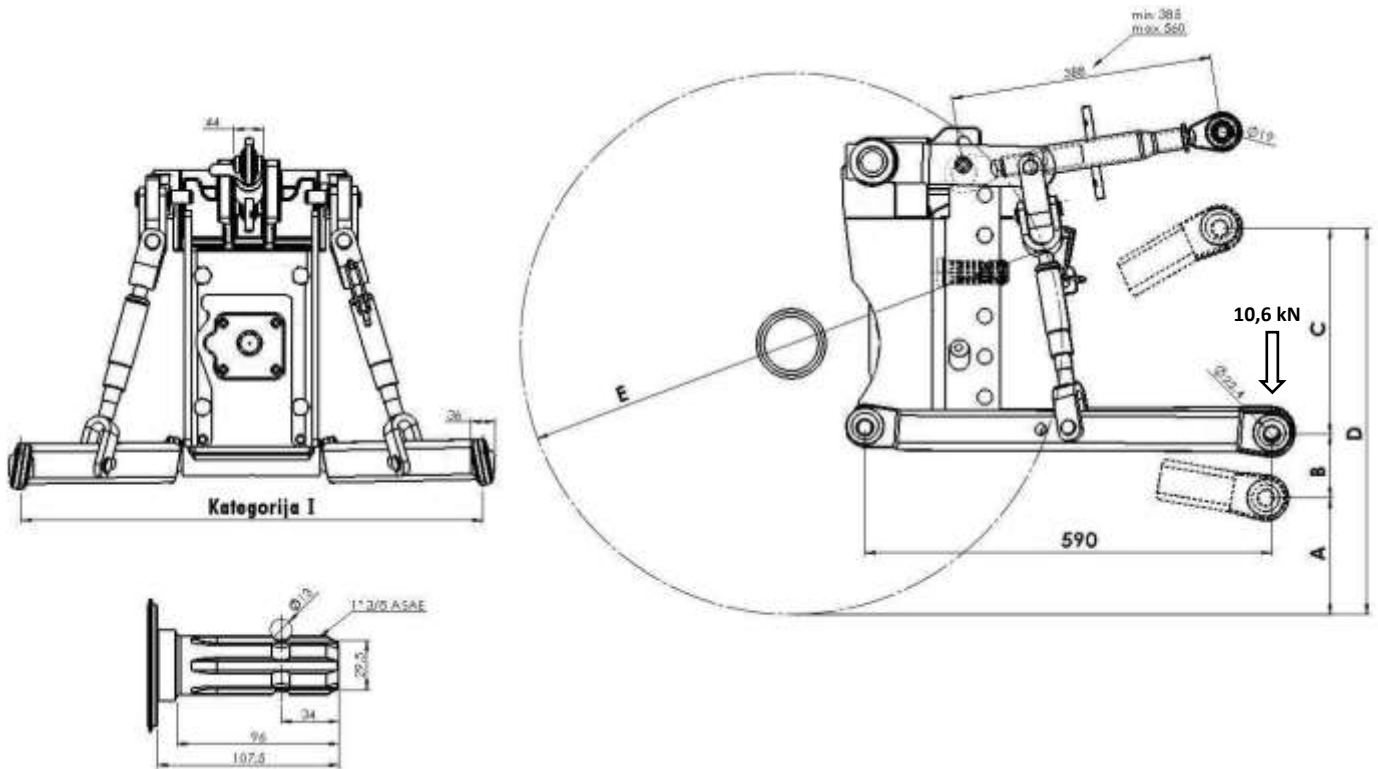
		AGT 830/835		AGT 835 T/S	
Type	Dimensions (mm)	Rims			
		5,5x16	W8x16	5,5x16	W8x16
		Tyres			
		7,5x16	260/70 R16	7,5x16	260/70 R16
1	I	800 *	862 *	1050 *	1112 *
2	I	735 *	792 *	985 *	1042 *
3	I	687 *	646 *	937 *	896 *
4	I	622 *	576 *	872 *	826 *
5	I	720 *	658 *	970 *	908 *
6	I	785 *	728 *	1035 *	978 *
7	I	833 *	874 *	1083	1124
8	I	898	944	1148 *	1194 *
	K	209	258	209	258

* Setting of rims is not suitable for installation on tractor, as there is a possibility of collision with transmission!

FIXED RIMS

		AGT 830/835			AGT 835 T/S	
RIMS		4,5x16	13LNx15	9x15	13LNx15	9x15
Tyres		6x16	31x15,5/15	27x10,5/15	31x15,5/15	27x10,5/15
DISTANCE		ET +10	ET -165	ET -104	ET -80	ET -34
Dimensions (mm)	I	940	1500	1300	1540	1350
	K	170	394	370	394	370

REAR LIFT MECHANISM DIMENSIONS



Height of rear lift mechanism according to tyres (measured from ground) and length of lift bar (set at 328 mm).

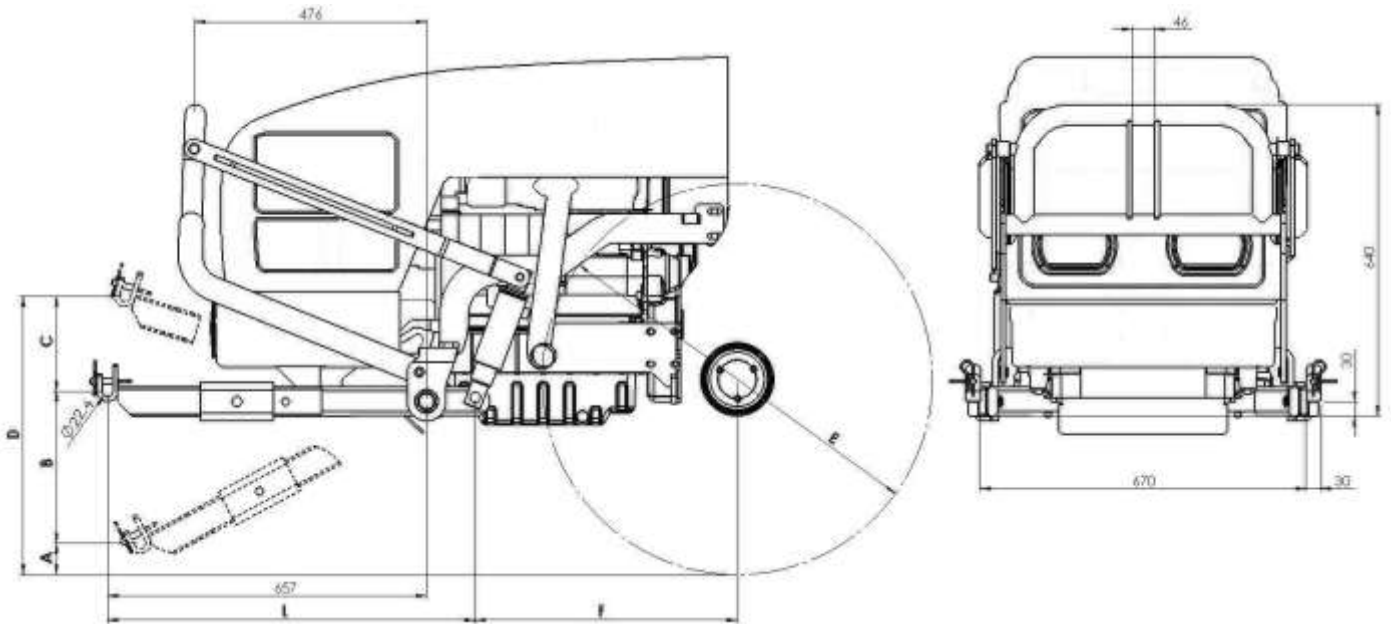
All measurements are in mm.

AGT 830/835					
Tyres	E	A	B	C	D
6x16	750	105	205	395	600
7,5x16	803	132			732
260/70 R16	770	115			715
31x15,5/15	800	130			730
27x10,5/15	683	38			638

AGT 835 T/S					
Tyres	E	A	B	C	D
6x16	750	228	55	360	643
7,5x16	803	255			670
260/70 R16	770	239			654
31x15,5/15	800	253			668
27x10,5/15	683	195			610

- A – minimum height of rear lift mechanism
- B – maximum arm lowering
- C – maximum arm lifting
- D – maximum height of rear lift mechanism
- E – wheel diameter

FRONT LIFT MECHANISM DIMENSIONS



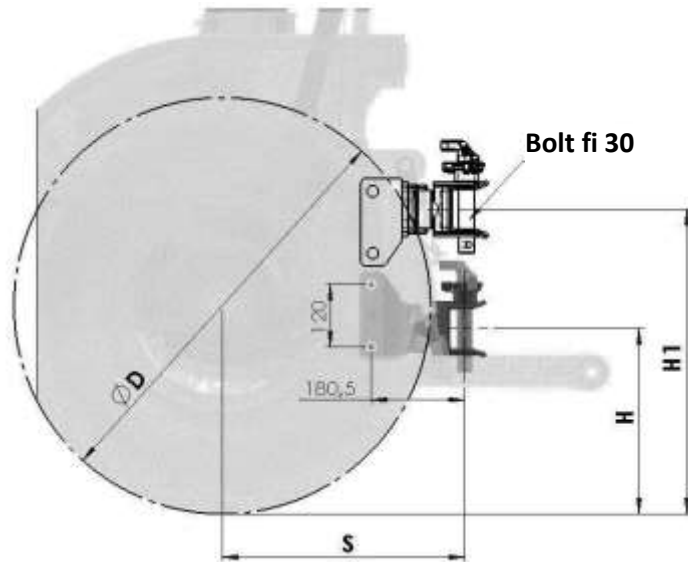
Height of front lift mechanism according to tyres (measured from ground). All measurements in mm.

AGT 830/835												
Tyres	E	F	L				A				B	
			L1	L2	L3	L4	A1	A2	A3	A4	B1	B2
6x16	750	550	706	756	806	856	40	16	- 8	- 32	194	218
7,5x16	803						66	42	18	- 6		
260/70 R16	770						50	26	2	- 22		
31x15,5/15	800						65	41	17	- 7		
27x10,5/15	683						6	- 18	- 42	- 66		
			B		C				D			
			B3	B4	C1	C2	C3	C4	D1	D2	D3	D4
6x16	750	550	242	266	246	261	276	291	480	495	510	524
7,5x16	803								506	521	536	551
260/70 R16	770								490	505	520	535
31x15,5/15	800								505	520	535	550
27x10,5/15	683								446	461	476	491

AGT 835 T/S												
Tyres	E	F	L				A				B	
			L1	L2	L3	L4	A1	A2	A3	A4	B1	B2
6x16	750	450	706	756	806	856	73	49	25	1	310	334
7,5x16	803						100	76	52	28		
260/70 R16	770						83	59	35	11		
31x15,5/15	800						98	74	24	0		
27x10,5/15	683						40	16	0	- 24		
			B		C				D			
			B3	B4	C1	C2	C3	C4	D1	D2	D3	D4
6x16	750	450	358	382	246	261	276	291	543	558	573	588
7,5x16	803								570	585	600	614
260/70 R16	770								553	568	583	598
31x15,5/15	800								569	584	598	613
27x10,5/15	683								510	525	540	555

- E – wheel diameter
- L1, L2, L3, L4 – length of adjustable arms
- A – minimum height of front lift mechanism
- B – maximum arm lowering
- C – maximum arm lifting
- D – maximum height of front lift mechanism
- F – distance between wheel axle and front axle of hydraulic cylinder fastening

REAR TOWING HOOK HEIGHT



AGT 830/835 – AGT 835 T/S				
Tyres	Diameter (D) in mm	S	H	H1
6x16	750	390	313	633
7,5x16	803		340	660
260/70 R16	770		323	643
31x15,5/15	800		338	658
27x10,5/15	683		280	600

TRACTOR WEIGHT

Measured without trailer or weights, with empty fuel tank

Description	Unit of measurement	AGT 830/835		AGT 835 T/S	
		Value			
		With roll bar	With cabin	With roll bar	With cabin
Total weight	kg	1150	1285	1040	1165
Weight on front axle	kg	730	745	670	690
Weight on rear axle	kg	420	540	370	475

MAXIMUM TECHNICALLY ALLOWED TRACTOR WEIGHT

AGT 830/835 – AGT 835T/S			
Maximum technically allowed weight (kg)		Maximum allowed load (kg)	
1940		2600	
Front axle	Rear axle	Front axle	Rear axle
840	1100	1300	1300

MAXIMUM LOAD ON AXLES AND IN CONNECTION POINT

AGT 830/835 – AGT 835 T/S				
Tyres	Axle load		Tyre load capacity (kg)	Maximum load on connection point (kg)
	Weight on front axle (kg)	Weight on rear axle (kg)		
7,5x16	1000	1200	675	250
260/70 R16			965	
27x10,5-15			820	
31x15,5-15			800	

MAXIMUM TENSILE LOAD OF CONNECTION POINT

AGT 830/835 – AGT 835 T/S	
Bremsart	Technically allowed weight of towed implement (kg)
Towed implement without independent brakes	500
Towed implement with independent (mechanical) brake	2500

WEIGHTS

AGT 830/835 – AGT 835 T/S							
Type	Material	Weight (kg)	Installation position	Fastening	Amount of weights (per wheel)	Amount of weights (per axle)	Amount of weights (maximum total weight on tractor) (kg)
Rear weight	Concrete	340	Rear lift mechanism	Connection points (bolts)	-	-	1 (150)
Wheel weights	Grey cast iron (SI)	40	kolo 6x16	Rim centre (4 bolts)	1	2	4 (160)
			kolo 7,5x16		1	2	
			kolo 260/70 R16		1	2	
		50	kolo 27x10,5-15		1	2	4 (200)
			kolo 31x15,5-15		1	2	

NOISE LEVEL

Description		AGT 830/835			AGT 835 T/S		
		Number of revolutions	Measured value dB (A)		Number of revolutions	Measured value dB (A)	
			With roll bar	With cabin		With roll bar	With cabin
Sound level in tractor surroundings	Sound level in tractor surroundings	3161	76,5		2893	80	79
	Sound level at tractor driving		75			82,5	81
Sound level in driver's seat	Sound level in driver's seat		86			86	84

TECHNICAL DATA

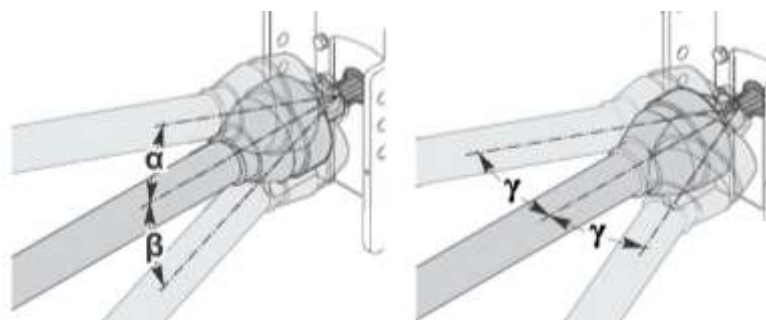
TRACTOR TECHNICAL DATA		TRACTOR TYPE			
		AGT 830	AGT 835	AGT 835 T/S	
Engine		Lombardini LDW 9LD 625-2	Lombardini LDW 1603 B1	Yanmar 3TNV88-D	Lombardini LDW 1603 B1
Type		4-stroke, diesel			
Emission standard		EURO II	EURO III A		
Work capacity	cm ³	1248	1649	1642	1649
Engine power	kW/KM	18,8 / 25,5	27 / 36,6	28,8 / 39	27 / 36,6
Max. torque	Nm	67 bei 2000 min ⁻¹	102 bei 1650 min ⁻¹	109,9 bei 1800 min ⁻¹	102 bei 1650 min ⁻¹
Injection		direct	indirect	direct	indirect
Max. number of revolutions	min ⁻¹	3000	2800	3000	2800
Cylinders/ aspiration	Nr./type	2/ atmosphärisch	3/ atmosphärisch		
Cylinder diameter/ travel	mm	88 / 95	88 / 90,4	88 / 90	88 / 90,4
Compression ration		17.5:1	22:1	19:1	22:1
Fuel pump		Lombardini 629 6590.375	Lombardini 104.6590.376	Yanmar P/N 119225-52102	Lombardini 104.6590.376
Injectors		New Diesel NKLL87P -15240	Bosch DN0 SD 301	-	Bosch DN0 SD 301
Cooling		air	water		
Cooling liquid	l		6		
Fuel consumption	g/kWh	186	280	243	280
CO ² emission	g/kWh	2,93	1,107	3,768	1,107
Fuel tank capacity	l	12	21		
Transmission		Constant 4-wheel drive			
Gearbox		not synchronised, 9 gears (6 forward / 3 reverse)	not synchronised, 9 gears (6 forward / 3 reverse)	Synchronized , 12 gears (8 forward / 4 reverse)	
Max. speed	km/h	19,8		33,7	30,8
Clutch		disc dry mechanical			
Rear connection shaft		standard 1 3/8" (34.9 mm) – 6 grooves DIN 9611			
Connection shaft speed	min ⁻¹	540/1000		540/1000	
Work brake		drum brakes, mechanical control with pedal			
Handbrake		mechanical control with lever on work brakes			
Differential lock		Mechanical control (only front lock)		Mechanical control (front and rear lock)	
Hydraulic system					
Oil filter insert	μ (mesh)	60			
Hydraulic pump					
Volume / max. pressure	cm ³ /bar	8 / 160			
Capacity at 3000 min ⁻¹	l/min	26			

TRACTOR TECHNICAL DATA		TRACTOR TYPE			
		AGT 830	AGT 835	AGT 835 T/S	
		Lombardini LDW9LD 625-2	Lombardini LDW 1603 B1	Yanmar 3TNV88-D	Lombardini LDW 1603 B1
Rear lift system		serial			
Type		three-point hitch			
Category		category I			
Control		hydraulic with lever			
Max. lift load	kg	800			
Hydraulic connections		for single/double-acting cylinder for quick connection of work functions (3-4)			
Front lift system		optional			
Type		three-point hitch			
Category		category I			
Control		hydraulic with lever			
Max. lift load	kg	400			
Hydraulic connections		for single/double-acting cylinder for quick connection of work functions (2)			
Front connection shaft		standard 1 3/8" (34.9 mm) – 6 grooves DIN 9611			
		control with hydrostatic clutch			
Electrical system					
Supply voltage	V	12			
Alternator	V-A	12-33	12-45	12-40	12-45
Electric starter	V-kW	12-1,7	12-2,2	12-2	12-2,2
Battery	V-Ah	12-66	12-73		
Lights					
Low beam	W	40			
High beam	W	45			
Position lights (front)	W	5			
Indicator	W	21			
Position lights (rear)	W	5			
Brake light	W	21			
Plate illumination	W	5			
Work light	W	55			
Internal light (cabin)	W	10			

OILS

	Engine	Gearbox and front bridge	Rear bridge	Hyd. oil tank
AGT 830 joint	15W40 3 L	Petrol GL 5 85W90-AC 10 L	Petrol GL 5 85W90-AC 10 L	Olma hydro VG 32 6.5 L
AGT 830 joint + fr. cardan				
AGT 835 joint	15W40 3.7 L			Olma hydro VG 32 7 L -
AGT 835 joint + fr. cardan				
	Engine	Front bridge	Gearbox and rear bridge	
AGT 835 T/S	15W40 3.7 L	Agrotrak TDH premium API GL 4, SAE 80W 9.5 L	Petrol GL 5 85W90-AC 15 L	-
AGT 835 T/S + p. kardan		Agrotrak TDH premium API GL 4, SAE 80W 10.3 L		-

CONNECTION SHAFT



Description	Symbol	Greatest deflection
Vertical movement up	α	45°
Vertical movement down	β	30°
Side movement (with installed lift mechanism)	γ	35°
Side movement (without installed lift mechanism)	γ	55°

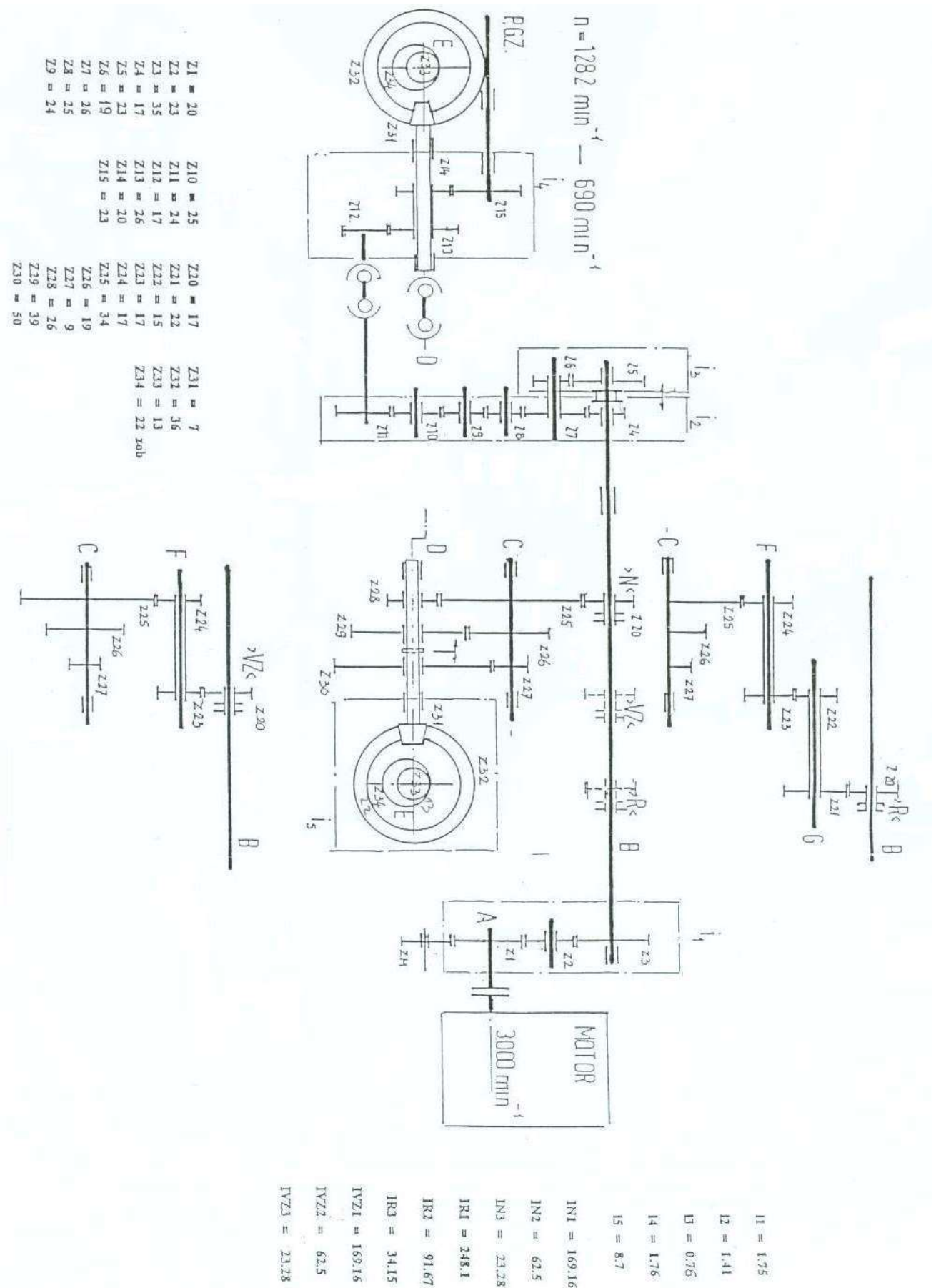
CONNECTION SHAFT SPEED TABLE

Tractor version AGT 830-835										
Connection shaft, driven by engine										
Gear ration engine/connection shaft	i	Engine revolutions								
		1200	1400	1600	1800	2000	2200	2400	2600	2800
		Connection shaft revolutions								
Lever shifting (540)	4,34	276,3	322,4	368,4	414,5	460,5	506,6	552,6	598,7	644,7
Lever shifting (1000)	2,341	512,6	598,1	683,5	769	854,4	939,8	1025,3	1110,7	1196,2

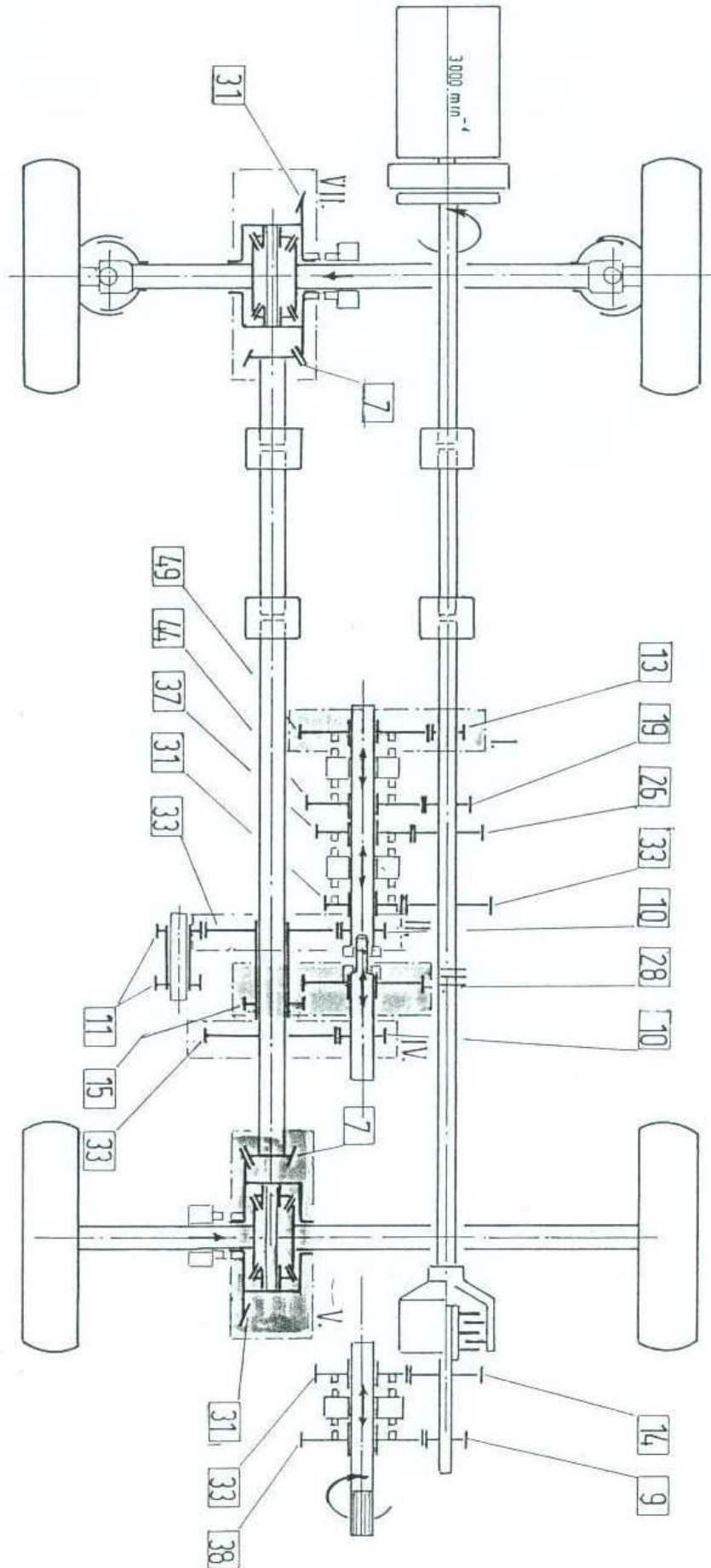
Tractor version AGT 835 T/S										
Connection shaft, driven by engine										
Gear ration engine/connection shaft	i	Engine revolutions								
		1200	1400	1600	1800	2000	2200	2400	2600	2800
		Connection shaft revolutions								
Lever shifting (540)	4,22	284,4	331,8	379,1	426,5	473,9	521,3	568,7	616,1	663,5
Lever shifting (1000)	2,357	509,1	594	678,8	763,7	848,5	933,4	1018,2	1103,1	1188

GEARBOX GEAR SCHEME

TRACTOR VERSION AGT 830/835



TRACTOR VERSION AGT 835 T/S



TRACTOR SPEED

Speed of tractor AGT 830 with engine "Lombardini LDW 9LD 625-2" with maximum torque and **2000 revolutions** of engine per minute.

AGT 830					
Tyre	Diameter (mm)	Gear	Ž	Z	R
7,5X16	803	1	1,22	1,79	1,79
		2	3,30	4,84	4,84
		3	8,86	12,99	12,99
6X16	750	1	1,14	1,67	1,67
		2	3,08	4,52	4,52
		3	8,27	12,13	12,13
260/70 R16	770	1	1,17	1,71	1,71
		2	3,17	4,64	4,64
		3	8,49	12,46	12,46
31X15,5-15	800	1	1,22	1,78	1,78
		2	3,29	4,82	4,82
		3	8,82	12,94	12,94
27X10,5-15	683	1	1,04	1,52	1,52
		2	2,81	4,12	4,12
		3	7,53	11,05	11,05

Speed of tractor AGT 835 with engine "Lombardini LDW 1603 B1" with maximum torque and **1650 revolutions** of engine per minute.

AGT 835					
Tyre	Diameter (mm)	Gear	Ž	Z	R
7,5X16	803	1	1,01	1,48	1,48
		2	2,72	3,99	3,99
		3	7,31	10,72	10,72
6X16	750	1	0,94	1,38	1,38
		2	2,54	3,73	3,73
		3	6,83	10,01	10,01
260/70 R16	770	1	0,96	1,41	1,41
		2	2,61	3,83	3,83
		3	7,01	10,28	10,28
31X15,5-15	800	1	1,00	1,47	1,47
		2	2,71	3,98	3,98
		3	7,28	10,68	10,68
27X10,5-15	683	1	0,86	1,25	1,25
		2	2,32	3,40	3,40
		3	6,22	9,12	9,12

Speed of tractor AGT 835 T/S with engine "Yanmar 3TNV88 – D" with maximum torque and **1800 revolutions** of engine per minute.

AGT 835 T/S					
Tyre	Diameter (mm)	Gear	Ž	Z	R
7,5X16	803	1	0,80	4,94	1,94
		2	1,31	8,05	3,16
		3	2,13	13,09	5,15
		4	3,22	19,84	7,80
6X16	750	1	0,75	4,62	1,81
		2	1,22	7,51	2,95
		3	1,99	12,23	4,81
		4	3,01	18,53	7,28
260/70 R16	770	1	0,77	4,74	1,86
		2	1,25	7,71	3,03
		3	2,04	12,56	4,93
		4	3,09	19,03	7,48
31X15,5-15	800	1	0,80	4,93	1,94
		2	1,30	8,02	3,15
		3	2,12	13,05	5,13
		4	3,21	19,77	7,77
27X10,5-15	683	1	0,68	4,20	1,65
		2	1,11	6,84	2,69
		3	1,81	11,14	4,38
		4	2,74	16,88	6,63

Speed of tractor AGT 835 T/S with engine "Lombardini LDW 1603 B1" with maximum torque and **1650 revolutions** of engine per minute.

AGT 835 T/S					
Tyre	Diameter (mm)	Gear	Ž	Z	R
7,5X16	803	1	0,74	4,53	1,78
		2	1,20	7,37	2,90
		3	1,95	12,00	4,72
		4	2,95	18,19	7,15
6X16	750	1	0,69	4,23	1,66
		2	1,12	6,89	2,71
		3	1,82	11,21	4,41
		4	2,76	16,99	6,68
260/70 R16	770	1	0,71	4,35	1,71
		2	1,15	7,07	2,78
		3	1,87	11,51	4,52
		4	2,83	17,44	6,85
31X15,5-15	800	1	0,73	4,51	1,77
		2	1,19	7,35	2,89
		3	1,94	11,96	4,70
		4	2,94	18,12	7,12
27X10,5-15	683	1	0,63	3,85	1,51
		2	1,02	6,27	2,46
		3	1,66	10,21	4,01
		4	2,51	15,47	6,08

Speed of tractor AGT 830 with engine "Lombardini LDW 9LD 625-2" with maximum torque and **3000 revolutions** of engine per minute.

AGT 830					
Tyre	Diameter (mm)	Gear	Ž	Z	R
7,5X16	803	1	1,83	2,68	2,68
		2	4,95	7,26	7,26
		3	13,29	19,49	19,49
6X16	750	1	1,71	2,50	2,50
		2	4,63	6,78	6,78
		3	12,41	18,20	18,20
260/70 R16	770	1	1,75	2,57	2,57
		2	4,75	6,96	6,96
		3	12,74	18,69	18,69
31X15,5-15	800	1	1,82	2,67	2,67
		2	4,93	7,23	7,23
		3	13,24	19,41	19,41
27X10,5-15	683	1	1,56	2,28	2,28
		2	4,21	6,17	6,17
		3	11,30	16,57	16,57

Speed of tractor AGT 835 with engine "Lombardini LDW 1603 B1" with maximum torque and **2800 revolutions** of engine per minute.

AGT 835					
Tyre	Diameter (mm)	Gear	Ž	Z	R
7,5X16	803	1	1,71	2,50	2,50
		2	4,62	6,77	6,77
		3	12,40	18,19	18,19
6X16	750	1	1,59	2,34	2,34
		2	4,32	6,33	6,33
		3	11,58	16,99	16,99
260/70 R16	770	1	1,64	2,40	2,40
		2	4,43	6,50	6,50
		3	11,89	17,44	17,44
31X15,5-15	800	1	1,70	2,49	2,49
		2	4,61	6,75	6,75
		3	12,35	18,12	18,12
27X10,5-15	683	1	1,45	2,13	2,13
		2	3,93	5,76	5,76
		3	10,55	15,47	15,47

Speed of tractor AGT 835 T/S with engine "Lombardini LDW 1603 B1" with maximum torque and **2800 revolutions** of engine per minute.

AGT 835 T/S					
Tyre	Diameter (mm)	Gear	Ž	Z	R
7,5X16	803	1	1,25	7,69	3,02
		2	2,03	12,51	4,92
		3	3,31	20,37	8,00
		4	5,01	30,87	12,13
6X16	750	1	1,17	7,18	2,82
		2	1,90	11,69	4,59
		3	3,09	19,02	7,48
		4	4,68	28,83	11,33
260/70 R16	770	1	1,20	7,37	2,90
		2	1,95	12,00	4,72
		3	3,17	19,53	7,68
		4	4,80	29,60	11,63
31X15,5-15	800	1	1,24	7,66	3,01
		2	2,02	12,47	4,90
		3	3,30	20,29	7,97
		4	4,99	30,75	12,08
27X10,5-15	683	1	1,06	6,54	2,57
		2	1,73	10,64	4,18
		3	2,81	17,32	6,81
		4	4,26	26,25	10,32

Speed of tractor AGT 835 T/S with engine "Yanmar 3TNV88 – D" with maximum torque and **3000 revolutions** of engine per minute.

AGT 835 T/S					
Tyre	Diameter (mm)	Gear	Ž	Z	R
7,5X16	803	1	1,34	8,24	3,24
		2	2,18	13,41	5,27
		3	3,54	21,82	8,58
		4	5,37	33,07	13,00
6X16	750	1	1,25	7,70	3,02
		2	2,03	12,52	4,92
		3	3,31	20,38	8,01
		4	5,01	30,89	12,14
260/70 R16	770	1	1,28	7,90	3,10
		2	2,09	12,86	5,05
		3	3,40	20,93	8,22
		4	5,15	31,71	12,46
31X15,5-15	800	1	1,33	8,21	3,23
		2	2,17	13,36	5,25
		3	3,53	21,74	8,54
		4	5,35	32,95	12,95
27X10,5-15	683	1	1,14	7,01	2,75
		2	1,85	11,41	4,48
		3	3,01	18,56	7,29
		4	4,57	28,13	11,05