

Serie **A** STAGE 3A



ECCELLENZA ITALIANA



AVL | AFN

Welcome Antonio Carraro Serie A!

With its sleek lines and distinctly innovative design, the new Serie A enters the specialised tractor market, poised to meet the vastly differing demands of this industry.

The new Serie A with FPT engines is designed to seamlessly blend Performance, Quality and Reliability with exceptional Versatility for various applications, including vineyards, orchards, walnut groves, almond groves and compact open fields.

Its compact design, extensive range of configuration options and modern ergonomic solutions make the AFN and AVL models the perfect tractors for all tasks in specialised sectors.



SERIE A AVL-AFN



The range

New in form and content, the Serie A Orchards (AFN) / Large Vineyards (AVL) is available with FPT F5C engines with 88 hp and FPT NEF engines with 100 hp

- › The two different axle widths, the possibility for a cab version or folding front arch platform, two types of transmissions and a wide range of options make this new widely versatile tractor series adaptable to every possible need

› The optional integrated front power take-off and front power lift, Cat. II with a lifting capacity of 1,300 kg at the ball joints, makes this range even more versatile

› The entire range comes with a mechanical (standard) and electronic type rear power lift with external power lift control (optional). It is supplied standard with a lifting capacity of 26kN

Features AVL-AFN



Engine

- › The sleek one-piece bonnet ensures effortless opening, closing and access for maintenance, seamlessly combining style and practicality



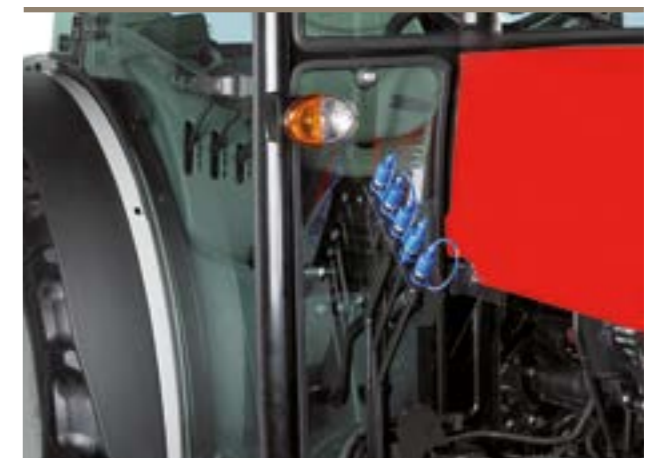
Power lift and rear hitch

- › A 30kN option is available for all models thanks to the addition of a supplementary jack.
- › The three-point hitch is available in the following configurations: with ball joint linkages, fixed, category 2 (AFN and AVL) with ball joint linkages, adjustable, category 2/1/1N (AFN and AVL) with quick-coupling linkages, adjustable, category 2/1/1N (AFN and AVL)



Remote control of electronic power lift

- › Remote control of the electronic power lift positioned on both sides of the headlight boxes, facilitates manoeuvrability of the rear power lift.
- › A practical mechanically controlled remote control is available for the mechanical power lift.



Hydraulic system

- › The flow rate of the hydraulic circuit (86 l/min with two pumps in the standard configuration and 101 l/min with the optional three pumps) ensures the necessary capacity to meet the ever-increasing technical demands of processing
- › The side couplers offer convenience and practicality thanks to their easy accessibility, and their positioning guarantees excellent visibility from the driver's seat.



Cab

- › Available in heated/air-conditioned version
- › Soundproof, suspended platform on 4 silent blocks
- › The cab for special tractors is designed to provide all the necessary comfort and is an outstanding response to those who rightfully want to be able to work in a comfortable but functional environment
- › The range includes: 1,200 mm wide cab for the AFN and AVL models.



Hydraulic system

- › Broad selection of spool valve options for the special range:
 - 2 D.A. spool valves with 4 rear outlets, push-pull, divider on base plate for simultaneous spool valve and power lift action
 - 3 D.A. spool valves with 6 rear outlets, push-pull, flow divider between spool valves with 2 or 3 pumps
 - 3 D.A. spool valves with 6 rear outlets and 4 side outlets, push-pull, with flow divider between spool valves with 2 or 3 pumps



Driver's seat

- › Comfortable, ergonomic and practical, every operation is facilitated by the user-friendly controls.
- › Serie A is meticulously designed to simplify operations and make driving it a pleasure.



Details

- › Every detail has been carefully studied to ensure compactness, sleek lines and optimal dynamics, meeting the essential needs of professionals in specialised cultivation.



TECHNICAL DATA

AVL

	AV 2.90 L	AV 2.100 L
ENGINE		
Engine, manufacturer	FPT	FPT
Engine name	F5C (EURO IIIA)	NEF (EURO IIIA)
Displacement	3,200 cc	4,500 cc
Number of cylinders/Configuration	4 turbo intercooler	4 turbo intercooler
Cooling system	Liquid	Liquid
Maximum ISO power kW/HP	65 / 88.4	74 / 100.6
ISO Power at Power Take-Off kW/HP	55 / 75	63 / 86
Maximum power RPM	2300	2200
Maximum torque RPM	1300	1250
Maximum torque	350 Nm @ 1,300 rpm	430 Nm @ 1,250 rpm
Torque reserve	36%	28%
Fuel tank capacity	71 l	71 l
Fuel tank capacity with front Power Take-Off	50 l	50 l
Auxiliary tank capacity (optional)	19 l	19 l
Exhaust	Horizontal	Horizontal
ELECTRICAL SYSTEM		
Battery	100 Ah	100 Ah
Alternator	80A	90A
Starter motor	4.2kW	4.2kW
TRANSMISSION		
24 + 24 24 forward gears 24 reverse gears	Gear levers: Side · Gearbox: 4 synchro gear ratios · Range: 3 gear ranges Slow/Medium/Fast · HI-L0: mechanical · Shuttle: mechanical Minimum tractor speed: 0.5 km/h with rear tyres 14.9R28 Maximum tractor speed: 40 km/h with rear tyres 14.9R28	
24 + 12 24 forward gears 12 reverse gears	Gear levers: Side · Gearbox: 4 synchro gear ratios · Range: 3 gear ranges Slow/Medium/Fast · HI-L0: electro-hydraulic · Shuttle: electro-hydraulic Minimum tractor speed: 0.5 km/h with rear tyres 14.9R28 Maximum tractor speed: 40 km/h with rear tyres 14.9R28	
MECHANICAL POWER TAKE-OFF		
Speed (dry disc clutch)	540 – 540 / 540 E	
Synchro Power Take-Off	Optional	
Speedometer on dashboard	Standard	
ELECTRO-HYDRAULIC POWER TAKE-OFF		
Speed (dry disc clutch)	540 / 540 E	
Synchro Power Take-Off	Standard	
Speedometer on dashboard	Standard	
CLUTCH		
Independent, dry	11"	

BRAKES	
Brakes, action	Integrated mechanical and hydraulic
Brake configuration	Oil-bath disc
REAR DIFFERENTIAL LOCKING	
Type	Mechanical
Engagement	Electro-hydraulic
FRONT AXLE	
Maximum steering angle	54°
Oscillation angle	8°
Flange distance	990 mm
4WD engagement	Electro-hydraulic
Differential	Limited slip
REAR AXLE	
Type	Planetary
Ratio	6:1
Flange distance	972 mm
HYDRAULIC SYSTEM	
Pump capacity (l/min)	With 2 pumps (standard configuration): 61.2 + 24.8 With 3 pumps (optional): 41.5 + 35 + 24.8
Spool valves	- 2 double-acting spool valves with simple neutral return (4 rear outlets) + flow divider for simultaneous spool valve and power lift action - 3 double-acting spool valves with simple neutral return + 4 mid-mounted couplers (6 rear outlets + 4 right-side mid-mounted couplers) + flow regulator for simultaneous spool valve and power lift action - 3 double-acting spool valves with simple neutral return (6 rear outlets) + flow regulator for simultaneous spool valve and power lift action with 3 pumps
THREE-POINT HITCH AND POWER LIFT	
Maximum lifting capacity	2,600 kg (standard)
Lifting	Mechanical with position, draft control and mixed control (standard) – Electronic (optional)
Three-point hitch	Cat. 1/1N/2
Linkages	Ball joint, fixed, Cat. 2 Ball joint, adjustable, Cat. 1/1N/2 Quick-coupling, adjustable, Cat. 2/1/1N
TOW HOOK	
Pivot/Sliding	Category Cuna C (standard), Category Cuna EC (standard), Category Cuna C + swinging drawbar (optional)
FRONT / REAR BALLASTS	
Optional	- front: 6 elements x 30 kg (180 kg) - Rear wheel ballasts
PLATFORM DRIVER'S SEAT	
Platform	Suspended, Soundproof, on 4 silent blocks
ROPS	Folding front
Steering wheel	Fixed (standard)
Seat	Suspended, mechanical, in PVC (standard)
Rear-view mirrors	1 left-side telescopic rear-view mirror (standard), 1 right-side telescopic rear-view mirror (optional)
Instrument panel	Multifunctional
Operator manual	In Italian language
CAB DRIVER'S SEAT	
Cab	Soundproof, suspended, on 4 silent blocks, ventilated and heated (standard) Soundproof, suspended, on 4 silent blocks, heated and air-conditioned (optional)
Adjuster	Fixed (standard), Telescopic and reclining (optional)
Seat	Suspended, pneumatic, in fabric
Rear-view mirrors	Two external rear-view mirrors, right-side and left-side rear-view mirrors – 1 internal rear-view mirror (optional)
Instrument panel	Multifunctional
Operator manual	In Italian language

TECHNICAL DATA

AFN

	AF 2.90 N	AF 2.100 N
ENGINE		
Engine, manufacturer	FPT	FPT
Engine name	F5C (EURO IIIA)	NEF (EURO IIIA)
Displacement	3,200 cc	4,500 cc
Number of cylinders/Configuration	4 turbo intercooler	4 turbo intercooler
Cooling system	Liquid	Liquid
Maximum ISO power kW/HP	65 / 88.4	74 / 100.6
ISO Power at Power Take-Off kW/HP	55 / 75	63 / 86
Maximum power RPM	2300	2200
Maximum torque RPM	1300	1250
Maximum torque	350 Nm @ 1,300 rpm	430 Nm @ 1,250 rpm
Torque reserve	36%	28%
Fuel tank capacity	71 l	71 l
Fuel tank capacity with front Power Take-Off	50 l	50 l
Auxiliary tank capacity (optional)	19 l	19 l
Discharge	Horizontal	Horizontal
ELECTRICAL SYSTEM		
Battery	100 Ah	100 Ah
Alternator	80A	90A
Starter motor	4.2kW	4.2kW
TRANSMISSION		
24 + 24 24 forward gears 24 reverse gears	Gear levers: Side · Gearbox: 4 synchro gear ratios · Range: 3 gear ranges Slow/Medium/Fast · HI-L0: mechanical · Shuttle: mechanical Minimum tractor speed: 0.5 km/h with rear tyres 14.9R28 Maximum tractor speed: 40 km/h with rear tyres 14.9R28	
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MECHANICAL POWER TAKE-OFF		
Speed (dry disc clutch)	540 – 540 / 540 E	
Synchro Power Take-Off	Optional	
Speedometer on dashboard	Standard	
ELECTRO-HYDRAULIC POWER TAKE-OFF		
Speed (dry disc clutch)	540 / 540	
Synchro Power Take-Off	Standard	
Speedometer on dashboard	Standard	
CLUTCH		
Independent, dry	11"	

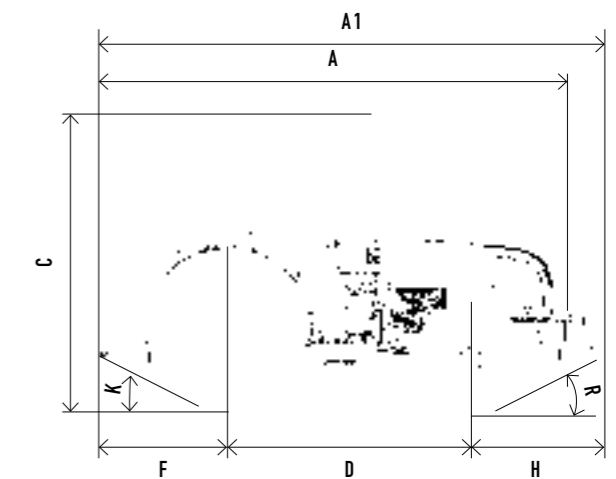
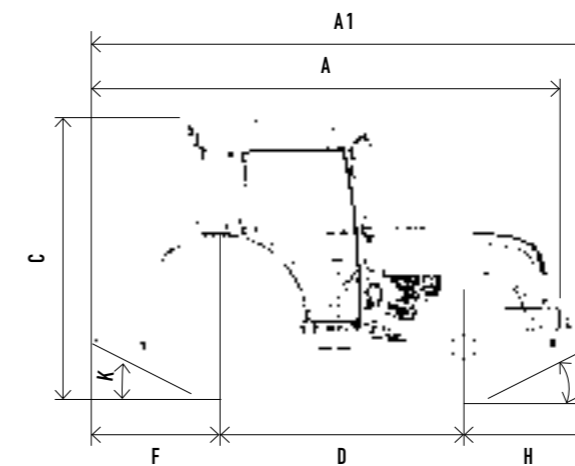
BRAKES	
Brakes, action	Integrated mechanical and hydraulic
Brake configuration	Oil-bath disc
REAR DIFFERENTIAL LOCKING	
Type	Mechanical
Engagement	Electro-hydraulic
FRONT AXLE	
Maximum steering angle	52°
Oscillation angle	8°
Flange distance	1,325 mm
4WD engagement	Electro-hydraulic
Differential	Limited slip
REAR AXLE	
Type	Planetary
Ratio	6:1
Flange distance	1,242 mm
HYDRAULIC SYSTEM	
Pump capacity (l/min)	With 2 pumps (standard configuration): 61.2 + 24.8 With 3 pumps (optional): 41.5 + 35 + 24.8
Spool valves	- 2 double-acting spool valves with simple neutral return (4 rear outlets) + flow divider for simultaneous spool valve and power lift action - 3 double-acting spool valves with simple neutral return + 4 mid-mounted couplers (6 rear outlets + 4 right-side mid-mounted couplers) + flow regulator for simultaneous spool valve and power lift action - 3 double-acting spool valves with simple neutral return (6 rear outlets) + flow regulator for simultaneous spool valve and power lift action with 3 pumps
THREE-POINT HITCH AND POWER LIFT	
Maximum lifting capacity	2,600 kg (standard) – 3,000 kg (optional)
Raising	Mechanical with position, draft control and mixed control (standard) – Electronic (optional)
Three-point hitch	Cat. 1/1N/2
Linkages	Ball joint, fixed, Cat. 2 Ball joint, adjustable, Cat. 1/1N/2 Quick-coupling, adjustable, Cat. 2/1/1N
TOW HOOK	
Pivot/Sliding	Category Cuna C (standard), Category Cuna EC (standard), Category Cuna C + swinging drawbar (optional)
FRONT BALLASTS	
Optional	- front: 6 elements x 30 kg (180 kg) - Rear wheel ballasts
PLATFORM DRIVER'S SEAT	
Platform	Suspended, Soundproof, on 4 silent blocks
ROPS	Folding front
Adjuster	Fixed (standard)
Seat	Suspended, mechanical, in PVC (standard)
Rear-view mirrors	1 left-side telescopic rear-view mirror (standard), 1 right-side telescopic rear-view mirror (optional)
Instrument panel	Multifunctional
Operator manual	In Italian language
CAB DRIVER'S SEAT	
Cab	Soundproof, suspended, on 4 silent blocks, ventilated and heated (standard) Soundproof, suspended, on 4 silent blocks, heated and air-conditioned (optional)
Adjuster	Fixed (standard), Telescopic and reclining (optional)
Seat	Suspended, pneumatic, in fabric
Rear-view mirrors	Two external rear-view mirrors, right-side and left-side rear-view mirrors – 1 internal rear-view mirror (optional)
Instrument panel	Multifunctional
Operator manual	In Italian language

DIMENSIONS

AVL-AFN

		AVL		AFN	
		CAB	OOS	CAB	OOS
A *	4 WD	3991	3991	3991	3991
(mm)					
A 1 *	4 WD	4316	4316	4316	4316
(mm)					
B max	4 WD	1900	1900	1980	1980
(mm)					
C	4 WD	2385	2533	2385	2533
(mm)					
D *	4 WD	2098	2098	2074	2074
(mm)					
E front	4 WD	846 ÷ 1,110	846 ÷ 1,110	9,97 ÷ 1,625	9,97 ÷ 1,625
(mm)					
E rear	4 WD	928 ÷ 1,376	928 ÷ 1,376	1,102 ÷ 1,646	1,102 ÷ 1,646
(mm)					
F	4 WD	1060	1060	1060	1060
(mm)					
G	4 WD	306 front	306 front	295 front	295 front
(mm)		355 rear	355 rear	355 rear	355 rear
H	4 WD	1158	1158	1182	1182
(mm)					
R	4 WD	22°	22°	25° 30'	25° 30'
K	4 WD	24°	24°	24°	24°
Front wheels	4 WD	280 / 70R18	280 / 70R18	320 / 70R20	320 / 70R20
Rear wheels	4 WD	14.9R28 380 / 85R28	14.9R28 380 / 85R28	14.9R28 380 / 85R28	14.9R28 380 / 85R28
Weight **	4 WD	2,905 kg	2,670kg	2965kg	2730kg
[without front ballasts]					

* A, A 1, D with NEF engine: +87 mm / ** Weight with NEF engine: +70 kg



SAT AC:

A team at the client's service

ORIGINAL ANTONIO CARRARO® SPARE PARTS AND SERVICE

The AC dealer network uses modern equipment and tools specifically designed to service AC tractors. The technicians of each authorised workshop regularly attend technical refresher courses held by the parent company. Each authorised workshop employs highly qualified personnel and offers a wide range of services to ensure Customer peace of mind and total protection. AC dealers are available to provide clients with information on services for AC tractors.

EXG: up to 4 or 5 years, worry-free!

Demonstrating the reliability of our products, Antonio Carraro offers extended warranty options in addition to the standard 24-month warranty: EXG2+2 or EXG 2+3. When purchasing the tractor or within the first 24 months of the vehicle's life (having carried out all scheduled servicing as set out in the AC Operation and Maintenance Manual), the Client can sign up for a warranty extension, selecting the option most suited to their needs. The important thing is that the vehicle be serviced by an Authorised AC Dealer that uses only AC Original Spare Parts and certified labour. Contact your local authorised dealer for more information (www.antonio carraro.it).





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DEALER:

