

Specifications - Alphabetical index

Section 9 Specifications Alphabetical index

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Specifications

WEIGHTS AND DIMENSIONS OF TRACTOR

IMPORTANT: The dimensions and weights shown on the following pages are only approximate. They depend on many factors, such as: tyre size, ballast, amount of fuel, tyre pressure etc.

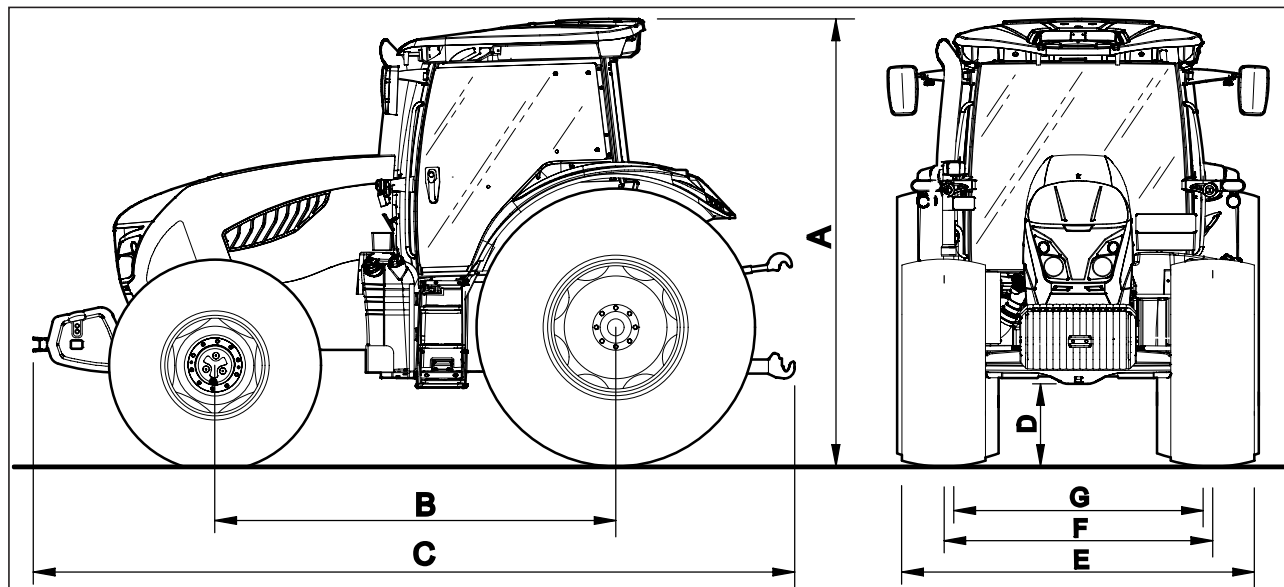


Fig. DT1

General specifications of models		X7.440 - X7.450 - X7.460
With tyres:		
Front		540/65 R28
Rear		650/65 R38
Weights		
In running order, without ballast (with driver and full levels and tanks).....		kg
6350 ÷ 6450		
Dimensions		
A. Height to cab roof	mm	2975 ÷ 3050
B. Wheelbase	mm	2600
C. Max. length with front ballast and hitch lower links	mm	4760 ÷ 5170
D. Ground clearance (under front axle)	mm	425 ÷ 500
E. Min. - max. - max*	mm	2260 ÷ 2795
F. Front track	mm	See tracks table on page 6-12
G. Rear track	mm	

* for road driving, see note hereunder

The above mentioned dimensions are rough values, as they may change according to tyres.

NOTE: Overall width of the tractor may change according to the type of axle and to the rear track width setting.

NOTE: (only for UE Member States): An overall width over 2500 mm (8 feet) MAY REQUIRE local authorization for use on the highway. For an overall width over 3000 mm (10 feet) a local authorization is MANDATORY.

Specifications

IMPORTANT: The dimensions and weights shown on the following pages are only approximate. They depend on many factors, such as: tyre size, ballast, amount of fuel, tyre pressure etc.

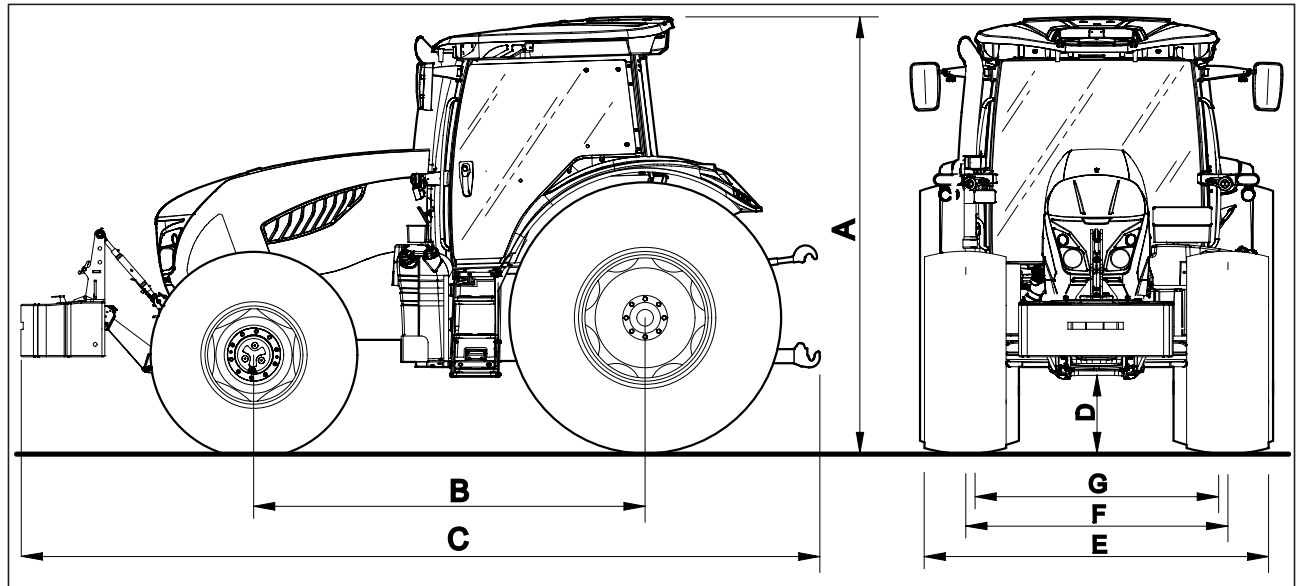


Fig. DT2 - With front hitch

General specifications of models		X7.440 - X7.450 - X7.460
With tyres:		
Front		540/65 R28
Rear		650/65 R38
Weights		
In running order, without ballast (with driver and full levels and tanks)..... kg		6700 ÷ 6800
Dimensions		
A. Height to cab roof	mm	2975 ÷ 3050
B. Wheelbase	mm	2600
C. Max. length with front ballast and hitch lower links.....	mm	4685 ÷ 5270
D. Ground clearance (under front axle)	mm	425 ÷ 500
E. Min. - max. - max*	mm	2260 ÷ 2975
F. Front track	mm	See tracks table on page 6-12
G. Rear track	mm	

* for road driving

The above mentioned dimensions are rough values, as they may change according to tyres.

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ENGINE

		X7.440 PRO DRIVE	X7.450 PRO DRIVE	X7.460 PRO DRIVE
ENGINE				
Tier 4 interim / stage 3B				
Electronic high pressure common rail		•	•	•
Turbo/air-to-air intercooler		•	•	•
max. engine power with Dual Power at 1900 rpm (ISO TR 14396 ECE R120)	cv/kW	—	—	175/129
Rated engine power with Dual Power at 2200 rpm (ISO TR 14396 ECE R120)	cv/kW	—	—	170/125
Rated engine power at 1900 rpm (ISO TR 14396 ECE R120)	cv/kW	143/105	160/118	166/122
Rated engine power at 2200 rpm (ISO TR 14396 ECE R120)	cv/kW	135/99	152/112	160/118
Max. torque (with Dual Power) (ISO TR 14396 ECE R120)	Nm	590 (—)	676 (—)	680 (700)
Torque rise (with Dual Power)		37% (—)	40% (—)	33% (29%)
Bore / stroke		104 / 132	104 / 132	104 / 132
Displacement (cm ³) / no. of cylinders / no. of valves		4.500 / 4 / 16	4.500 / 4 / 16	4.500 / 4 / 16
Compression ratio		17,1:1	17,1:1	17,1:1

Air intake system

TypeAir filter with turbolators, two-stage dry filter with dust ejector

Engine cooling system

TypePressure system, thermostat controlled bypass, centrifugal type pump

RadiatorTube and fin type

Thermostat Operation..... starts to open at approximately 83°C, fully open at 95°C

Radiator Cap Pressure.....1,1 bar

Fan drive Viscous

Engine lubrication system

Oil Pressure (At Rated Speed)3,5 bar

Oil filter full flow, bypass valve in oil cooler cover

Oil heat exchangerCooled by Engine Coolant

Engine fuel system

Injection system..... Electronic - Common Rail

Fuel injection pump.....Bosch

Fuel injectorsBosch

Regulator.....governed by Electronic Control Unit (ECU)

Fuel filter.....full flow

AdBlue™ or DEF injection systemBosch

Cold starting deviceThermostarter

Fuel cooling radiator.

Specifications

ELECTRICAL SYSTEM

General Specifications

Type of system	12 V, negative ground
Standard battery (DIN specifications)	2 12 V batteries, 850 Ah (peak value) 105 Ah (rated value)
Main battery disconnecting switch	
Alternator	12 V, 200 A
Voltage regulator	12 V, part of alternator
Starter motor, with solenoid switch	12 V, 4.2 kW

Auxiliary sockets

7-pin trailer socket:	equipped for directional turn lamps, brake lamps, tail lamps
1 3-pin cab socket:	12 V
1 3-pin rear end:	12 V
1 3-pin front end (with installed front hitch - optional)	12 V

Specifications

GENERAL SPECIFICATIONS

WARNING: The technical specifications given here are only of a general kind. For technical specifications of each market, please refer to the information material supplied by your Dealer.

Brakes

Type of brakeshydraulic, self-adjusting, five wet plates
Trailer brakehydraulic or air system with one or two lines

Rear differential lock

Type of lockingMulti Disc
ControlElectro-hydraulic

Hydrostatic Power Steering

TypePriority on Demand from Axial Piston Pump
Steering PumpHydrostatic Type, Actuated by the Steering Wheel
Steering cylinderDouble acting

Front axle differential and planetaries

Type of axleHypoid with planetary reduction in hubs
Inter axle ratio
- X7.440 - X7.450 - X7.460 1:1,3120

Transmission

Transmission options30, 40 or 50 Kph (according to market availability)
Variant Electronics
Speed gears24 forward, 24 reverse
Creeper speeds (if equipped)40 forward, 40 reverse
Oil cooler Transmission/hydraulic fluid

Front hitch (if equipped)

Valve type Four position: float, lift, hold and lower
Type of lower links Claw ends, fixed
Type of connection Three point, Category IIIN
Lift capacity:
- at 610 mm mm in front of lift point3,500 kg

Rear hitch [4.2.g]

Type of sensingLower links
Type of lower links Eye or claw ends, fixed or telescoping
Type of connection Three point, Category IIIN / III

Lifting capacity9,300 kg

Specifications

Auxiliary hydraulic control valves

Pump Axial piston pump, pressure and flow compensated
Auxiliary control valves..... Closed-center type
Valve type Four position - Raise, Hold, Lower and Float
Pump capacity at 2200 RPM..... 123 litres/min
Maximum system pressure206 bar

NOTE: Ask your Dealer for complete setups of auxiliary control valves.

Front power takeoff (if equipped)

Typeindependent PTO
Clutch typehydraulically actuated
Rotation
- depending upon market requirementsclockwise or counter-clockwise (from front of tractor)
Output shaft size..... 6 splines, 35 mm diameter
Speed 1000 RPM PTO
Engine speed for 1000 PTO speed 1920 RPM

Rear Power Take-Off

Type independent PTO
Clutch typeMulti disc, hydraulically actuated
Rotation.....Clockwise or counter-clockwise (from rear of tractor)
Output shaft size..... 6 splines, 35 mm diameter
- Optional.....21 splines, 35 mm diameter
Engine speed
- 540 PTO speed.....2005 RPM
- 540E (Economy) PTO speed 1608 RPM
- 1000 PTO speed 1995 RPM
- 100E (Economy) PTO speed 1600 RPM

Specifications

Radio specifications

MP3/WMA player

Signal/noise ratio	> 55 dB
Channel separation	> 55 dB (1 kHz)
Frequency response	20 Hz- 20 kHz
Compatible formats	MP3/WMA - ID3

Radio (FM)

Frequency range	65 MHz- 108 MHz
Sensitivity	≤12 dB μ V (S/N=26dB)
Stereo separation	≥25 dB (1 kHz)
Signal/noise ratio	≥50 dB
Channel spacing	50 kHz

Radio (Weatherband - USA only)

Frequency ranges	Band of 162.4-162.55 Mhz
Sensitivity	≤10 dB μ V

Radio (MW AM)

Frequency range	520 kHz- 1,710 kHz
Sensitivity	≤30 dB μ V (S/N=26dB)

Front AUX-IN input

Frequency response	20 Hz- 20 kHz
Sensitivity	775 mV
Impedance	20 kOhm

General information

Power	12V cc (10.8V - 15.6V)
Speaker impedance	4 Ohm - 8 Ohm
Output power	40W x 4 channels
Fuse	15 A

Area	FM / MHz			AM / MHz			Notes
	Start	Start	Spacing / kHz	Start	Start	Spacing	
Europe	87.5	108	50	522	1620	9	-
USA	87.5	107.9	200	530	1710	10	WB available
Oirt	65	74	10	522	1620	9	-
Japan	76	90	100	522	1629	9	-
Middle East	87.5	108	100	531	1602	9	-
Latin America	87.5	108	100	520	1620	10	-
Australia	87.5	108	100	522	1710	9	-
Asia	87.5	108	100	531	1602	9	-
FM only	87.5	108	50	-			-

Specifications

Noise levels as perceived by the operator [4.3]

THE FOLLOWING TABLES GIVE THE NOISE LEVEL VALUES,
MEASURED FROM THE DRIVER'S SEAT IN INSTANTANEOUS CONDITIONS
IN COMPLIANCE WITH EEC STANDARDS (dBA) - ANNEX II (without load) -
AND WHEN DRIVING BY IN COMPLIANCE WITH EEC STANDARD (dBA).

Tractors with cabs			
Commercial model	Noise level in the cockpit EEC standards - dBA		Noise level when driving by EEC standards dBA
	Closed doors	Open doors	
X7.440	73	83	82
X7.450	73	83	82
X7.460	73	83	82

Specifications

INFORMATION PAGE ON VIBRATION LEVELS OF THE TRACTOR

DANGERS RELATIVE TO EXPOSITION TO VIBRATIONS [4.4] [4.1.a]



WARNING: The vibration level transmitted to the body as a whole depends on different parameters, some of them relating to the machine, others to the terrain, others to the type of work and to any connected machine and many specific for the operator. The prevailing parameters are the type of terrain or work surface, the ground speed and the type of work.



WARNING: Machine vibrations are transmitted to the operator, who in some cases may undergo risks for his/her health and safety. Therefore you must:

- Make sure that the tractor is in good condition and that all routine servicing is correctly and regularly carried out.
- Check that the operator's seat and adjustment systems are in good condition, then adjust the seat to the operator's weight and size.
- Evaluate the vibration level transmitted to the operator from the tractor or from the tractor-machine assembly and schedule work hours so as to alternate suitable rest periods concerning exposure to vibrations.

IMPORTANT: More information on Whole Body Vibration (WBV) on agricultural tractors can be found in more specific publications. In order to correctly estimate values based on your daily work on the tractor, a specific measure instrument is required, such a three-axis accelerometer applied to the seat.

NOTE: Visit the dedicated Internet web sites for further information and documentation on risks of whole body vibration.

In compliance to EU Directive 78/764/CE the following table shows vibration levels measured on seats, in aws.

Seat type	Vibrations * m/s ² at the (applied test weights)	
	Light-weight operator	Heavy-weight operator
Grammer MSG95EL (Air suspension)	aws* = 1.13 m/s ²	aws* = 1.00 m/s ²
Grammer MSG95GL (Air suspension)	aws* = 1.21 m/s ²	aws* = 1.05 m/s ²

* aws = correct weighted value of the vibration acceleration (m/s²).

Specifications

'CE' DECLARATION OF CONFORMITY

Every tractor is accompanied by a CE Declaration of Conformity to Directive 2006/42/CE that you should receive in original along with the tractor.

This Declaration indicates with which European Directive the machine complies.

The following picture is a fac-simile copy of such CE Declaration of Conformity.



Argo Tractors S.p.A.
42042 Fabbrico [RE] Italy
via G. Matteotti, 7
t. +39.0522.656111
f. +39.0522.656476
webmaster@argotracors.com
www.argotracors.com

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IT	FR	DA
DICHIARAZIONE DI CONFORMITÀ CE IN CONFORMITÀ ALLA DIRETTIVA 98/34/CE E 2004/108/CE	DÉCLARATION DE CONFORMITÉ CE SELON LES DIRECTIVES 98/34/CE & 2004/108/CE	EF-ÖVERENSSTÄMMELSEDEKLARATION I ÖVERENSSTÄMMELSE MED DIREKTIV 98/34/CE OCH 2004/108/CE
1. L'ATTENDU	1. NOUVE	1. EF-ÖVERENSSTÄMMELSEDEKLARATION
2. IL SOU-SIGNÉ RESPONSABLE AUTOSIGNÉ	2. ET NOUVE MANDATÉ	2. EF-ÖVERENSSTÄMMELSEDEKLARATION
3. DONNANT SOTTO LA PROPRIA RESPONSABILITÀ CHE IL VEICOLO ADESSO CON LA PRESSIONE DI:	3. DÉCLARANT SOUS SONNE RESPONSABLE QUE LA MACHINE AGISSANT AVANT POUR FONCTION:	3. GIVNEN UNDER EGET ANSVAR, AT LÆNDRINGSANBEY MED FUNKTION AF:
4. MODELLO:	4. MODÈLE:	4. MODEL:
5. NOME COMMERCIALE:	5. NOM COMMERCIAL:	5. FIRMENAVN:
6. NOME DI SERIE:	6. N° DE SÉRIE:	6. SERIENUMMER:
7. DICHIARAZIONE DEL PRESENTE DICHIARANTE E COSELENTE ALLO DISPORZIONE DELLA DIRETTIVA 98/34/CE, MODIFICATA IL:	7. DÉCLARATION DU PRÉSENT DÉCLARANT ET COSELENTE AUX DISPOSITIONS DE LA DIRECTIVE 98/34/CE, AMENDÉE PAR:	7. DEN ER DOKUMENT AF GIVNEN, ER DOKUMENT OVERENSSTÄMMELSE MED BESTEMMELSE I DIREKTIV 98/34/CE, AMENDÉT AF:
8. E DELLA DIRETTIVA 2004/108/CE, MODIFICATA IL:	8. AINSI QU'UNE PRÉSENTATION DE LA DIRECTIVE 2004/108/CE AMENDÉE PAR:	8. SÅT HESTEMMELSE I DIREKTIV 2004/108/CE, AMENDÉT AF:
9. NOME, RAGIONE E FIRMA DELLA PERSONA AUTOSIGNATA:	9. NOM, FONCTION ET SIGNATURE DE LA PERSONNE AUTOSIGNÉE:	9. INDØSKRIFTERENØDØGØS NAVN, TITEL OG UNDERSKRIFT:
10. DATA:	10. DATE:	10. SÆT DØ DATO:

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4. MODELLO:	4. COMMERCIAL NAME	4. MODELO:
5. NOME COMMERCIALE:	5. SERIAL NUMBER:	5. NÚMERO DE SERIE:
6. NOME DI SERIE:	6. AS WELL AS WITH THE PROVISIONS OF DIRECTIVE 2004/108/EC, AMENDED BY:	6. A LA QUE SE HAN DE CONFORMAR CON LAS DISPOSICIONES DE LA DIRECTIVA 98/34/CE, MODIFICADA POR:
7. DICHIARAZIONE DEL PRESENTE DICHIARANTE E COSELENTE ALLO DISPORZIONE DELLA DIRETTIVA 98/34/CE, MODIFICATA IL:	7. AS WELL AS WITH THE PROVISIONS OF DIRECTIVE 2004/108/EC, AMENDED BY:	7. ASÍ COMO LAS DISPOSICIONES DE LA DIRECTIVA 98/34/CE, MODIFICADA POR:
8. E DELLA DIRETTIVA 2004/108/CE, MODIFICATA IL:	8. NOM, RAGIONE E FIRMA DELLA PERSONA AUTOSIGNATA:	8. NOMBRE, CARGO Y FIRMA DE LA PERSONA AUTOSIGNADA:
9. NOME, RAGIONE E FIRMA DELLA PERSONA AUTOSIGNATA:	9. LOCATION AND DATE	9. LOGAR Y FECHA

8

ET	FI	NL
1. DICH-ERKLÄRUNG ÜBER DIE ÜBEREINSTIMMUNG MIT DEN VERORDNUNGEN 98/34/EG UND 2004/108/EG	1. I-DECLARATION OF CONFORMITY IN ACCORDANCE WITH 98/34/EC & 2004/108/EC	1. DECLARACIÓN DE CONFORMIDAD CE DE ACORDO CON LAS DIRECTIVAS 98/34/CE Y 2004/108/CE
2. UND UNTER ZUSCHULDNERSTELLUNG	2. AND OUR SIGNATURE AND RESPONSIBILITY	2. Y NUESTRO REPRESENTANTE AUTOSIGNADO
3. ERKLÄREN, DASS DIE VERORDNUNGEN ÜBER DIE ÜBEREINSTIMMUNG MIT DEN VERORDNUNGEN ÜBER DIE ÜBEREINSTIMMUNG MIT DEN VERORDNUNGEN ÜBER DIE ÜBEREINSTIMMUNG	3. I DECLARE THAT THE DIRECTIVE 98/34/EC, AS AMENDED BY THE DIRECTIVE 2004/108/EC, IS IN FULL COMPLIANCE WITH THE FUNCTION OF:	3. DECLARAMOS BAJO NUESTRA ÚNICA RESPONSABILIDAD LA CONFORMIDAD DE LA MÁQUINA ASÍ COMO LA FUNCIÓN DE:
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Specifications

Issue of authorization

To install any type of mounted or semi-mounted equipment not provided for by road traffic laws, it is mandatory to request the express written authorization of the vehicle manufacturer.

We insist at any rate on our recommendation to mount always exclusively CE marked equipment complying with the Machinery Directive 2006/42/CE.

Grounds [4.2.h]

Maximum weight declared by manufacturer for road circulation

IMPORTANT: DO NOT exceed the maximum load bearing capacity of the tyres used. Consult the payloads and inflation pressures suggested by the type manufacturers for further details.

IMPORTANT: DO NOT exceeds the load on the axles and the maximum weight of the tractor established by the pertinent laws when driving the tractor on public roads.

Maximum weight permitted for the tractor

MAXIMUM WEIGHT permitted for the tractor, including the tractor itself, the implements and ballast.

The MAXIMUM WEIGHT allowed for each axle includes the tractor, the implements, the ballast and any implements coupled to the three-point hitch.

Model	Front kg	Rear kg	Total kg
X7.440 - X7.450 - X7.460	4500	7200	10000

DO NOT use the tractor with a load on the front axle that is less than 25% or more than 55% of the total weight.

Specifications

LUBRICANTS AND FUELS									
COMPONENT	Q.ty litres	SPECIFICA- TIONS	AMBIENT TEMPERA- TURE	AGROLUBE	SPECIFICATIONS				
	X7.440 X7.450 X7.460								
Cooling COOLING	27	AGROLUBE MUREX Concentrated antifreeze to be used in the following percentages.			Degrees °C	-8°	-15°	-25°	-35°
					%	20	30	40	50
TANK CAPACITY FUEL (about)	280				Viscosity at 40°C cSt	Viscosity at 100°C, cSt			
RESERVOIR AdBlue™ or DEF (3)	38	DIN70070 ISO22241	ANY TEMPERA- TURE	AGROLUBE AdBlue® (3)	—	—			
ENGINE	10	ACEA E9 API CJ-4 CAT ECF-3	ANY TEMPERA- TURE	AGROLUBE LD9 15W40	67	11,7			
POWER STEERING CIRCUIT AND TRANSMISSION CEN- TRAL HOUSING (2) (5)	92	API GL - 4	ANY TEMPERA- TURE	VELA F6 P	69	10,7			
REAR FINAL DRIVES (each side) (4)	11	API GL - 4 API GL - 5	ANY TEMPERA- TURE	CARINA 80W-90	174	16,8			
RIGID FRONT AXLE - MID- DLE BODY (1) (4)	6	API GL - 4	ANY TEMPERA- TURE	CARINA 80W-90	174	16,8			
FRONT AXLE WITH SUS- PENSIONS - MIDDLE BODY (1) (4)	4	API GL - 4 API GL - 5	ANY TEMPERA- TURE	CARINA 80W-90	174	16,8			
FRONT AXLE FINAL DRIVES (each side) (1) (4)	1,5	API GL - 4 API GL - 5	ANY TEMPERA- TURE	CARINA 80W-90	174	16,8			
GREASING POINTS	—	—	ANY TEMPERA- TURE	GENA GREASE EP	—	—			
FRONT POWER TAKEOFF (if equipped)	2,7	CAT TO-2	ANY TEMPERA- TURE	ALCOR ATF SUPER	37,8	7,6			

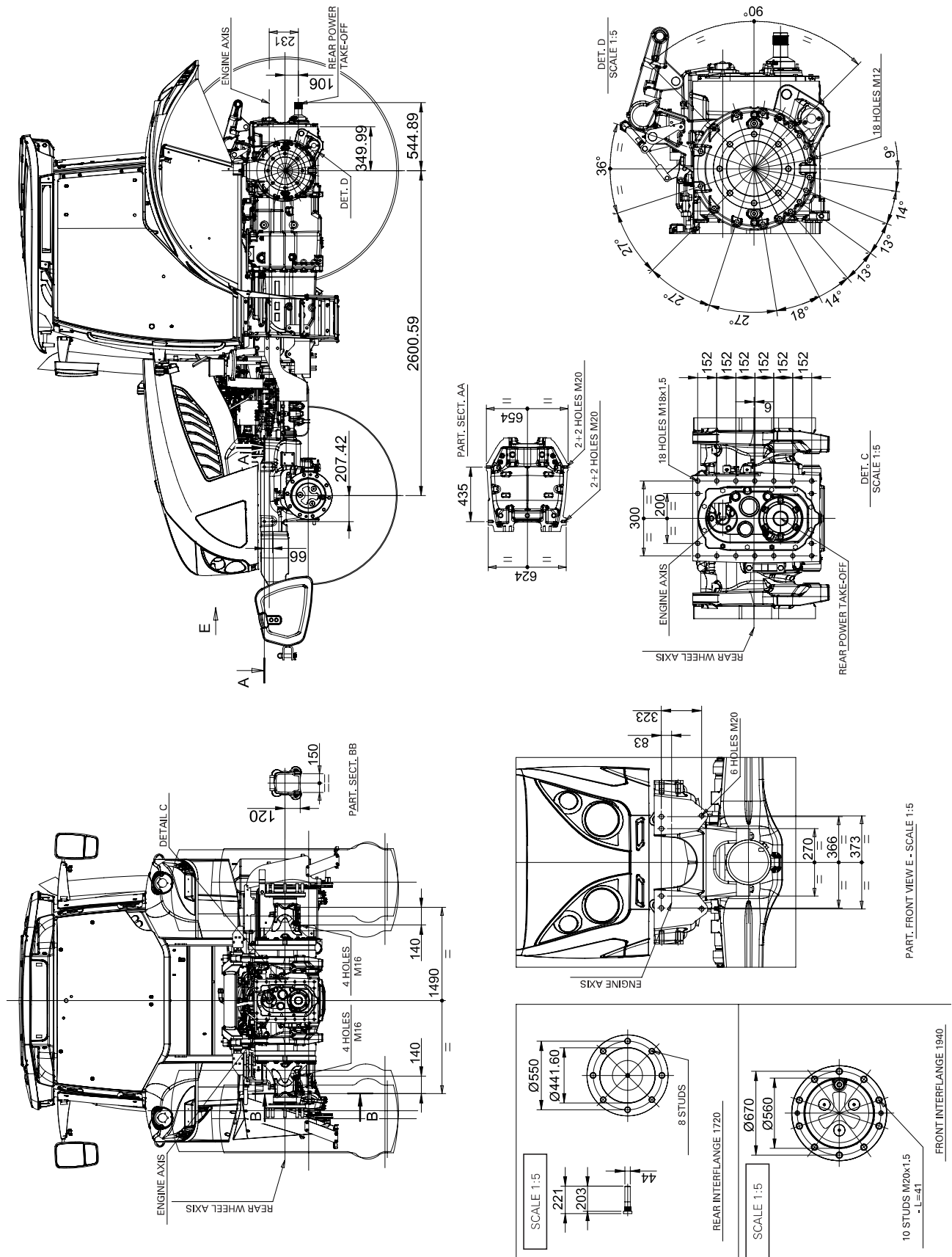
- (1) Argo Tractors specifications define additives and anti-noise properties. The use of different types of oil, or mixing other types of oil into the oil supplied with the tractor can lead to increased noise.
- (2) With front hitch (if equipped) + max. 12 litres.
- (3) Use ONLY synthetic products such as AGROLUBE AdBlue® or equivalent products, complying with the relevant international standards as indicated by the chart, with the AdBlue® mark on their labels. If dissolved products are used (urea prills dissolved in demineralised water), the guarantee on the injection system of AdBlue-DEF system and its components will become null and void. Such system is identified in the European markets as AdBlue fluid injection system, in the USA as DEF (Diesel Exhaust Fluid), in Brazil as ARLA32.
- (4) **IMPORTANT:** if the machine is operated in cold climates, replace this oil with a different of with a less viscous grade (Vela B or Vela C).
- (5) **IMPORTANT:** when operating the tractors on steep slopes, it is advisable to top up the transmission oil level with about 10 litres. Top up only with the correct oil type, as indicated in the Lubricants and Fuels chart.

NOTE: In special weather conditions, e.g. low temperatures, always ask you Argo Tractors Dealer for specific indications on correct use of oils and fuels. The use of materials not approved by Argo Tractors exempts the company from any responsibilities.

Specifications

Implement attachment points X7.440-X7.450-X7.460 - Dimensions in mm [4.5.1.2]

The installation of frames to support and reinforce equipment must be carried out using the attachment points provided on the tractor, as given in the Operation and Maintenance manual. In case of particularly demanding combined front and rear installation, it is mandatory to have a connection by means of suitable reinforcing struts between the relative support frames.



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Contents Directive 2010/52/EU

Operator's manual X7.6

N°	2010/52/EU	Section
4.1	In particular, in addition to the requirements in standard ISO 3600:1996, the operator's manual shall cover the following:	
a	adjustment of the seat and suspension related to the ergonomic position of the operator with respect to the controls and in order to minimise the risks from whole body vibration;	9
b	use and adjustment of the system for heating, ventilation and air-conditioning, when provided;	3
c	starting and stopping of the engine;	2, 5
d	location and method of opening of emergency exits;	2
e	boarding and leaving the tractor;	2
f	the hazard area near to the pivot axis of articulated tractors;	NA
g	use of special tools, if any are provided;	2
h	safe methods used for service and maintenance;	2
i	information about the interval of inspection of hydraulic hoses;	2
j	instructions about how to tow the tractor;	5
k	instructions about the safe use of jacks and recommended jacking points;	2, 6
l	hazards related to batteries and fuel tank;	2, 7, 8
m	prohibited use of the tractor, where overturning hazards exist with mention that the list is not exhaustive;	2
n	residual risks, related to hot surfaces, such as filling of oil or coolant in hot engines or transmissions;	2, 7, 8
or	the level of protection of the Falling Objects Protective Structure, if applicable;	1
p	the level of protection against hazardous substances, if applicable;	1, 2, 7
q	the level of protection of the Operators Protection Structure, if applicable;	1, 2
4.2	Attaching, detaching and working with mounted machinery, trailers and interchangeable towed machinery:	
a	a warning to strictly follow the instructions outlined in the operator's manual of the mounted or trailed machinery or trailer, and not to operate the combination tractor-machine or tractor-trailer unless all instructions have been followed;	2
b	a warning to stay clear from the area of the three-point linkage when controlling it;	2, 5
c	a warning that mounted machinery must be lowered on the ground before leaving the tractor;	2
d	speed of the power take-off drive shafts in function of the mounted machinery or trailed vehicle;	5
e	a requirement to use only power take-off drive shafts with adequate guards;	2
f	information about hydraulic coupling devices and their function;	5
g	information about the maximum lift capacity of the three-point linkage;	9
h	information about the determination of the total mass, the axle loads, the tyre load carrying capacity and the necessary minimum ballasting;	6, 9
i	information about the available trailer braking systems and their compatibility with the trailed vehicles;	5
j	the maximum vertical load on the rear hitch, related to the rear tyre size and type of hitch; see relevant approval documents	5
k	information about using implements with power take-off drive shafts and that the technically possible inclination of the shafts depend on the shape and size of the master shield and/or clearance zone, including the specific information required in case of PTO type 3 with reduced dimension;	2
l	a repeat of the data on the statutory plate about maximum allowed trailed masses;	5
m	a warning to stay clear from the area between tractor and trailed vehicle.	2

Contents Directive 2010/52/EU

4.3	Noise declaration: The operator's manual shall give the value of the noise at the operator's ear, measured according to Directive 2009/76/CE of the European Parliament and of the Council and the noise of the tractor in motion measured according to Annex VI to Directive 2009/63/CE of the European Parliament and of the Council.	9
4.4	Vibration declaration: The operator's manual shall give the value of the vibration level measured according to Council Directive 78/764/EEC;	9
4.5	Relevant operating modes of a tractor that can reasonably be expected and identified as containing particular hazards are the following:	
a	work with front-end loader (risk of falling objects);	2
b	forestry application (risk of falling and/or penetrating objects);	1
c	work with crop sprayers, mounted or trailed (risk of hazardous substances).	NA
4.5.1	Front-end loader:	
4.5.1.1	The operator's manual shall outline the hazards associated with front-end loader work, and explain how to avoid those hazards.	2
4.5.1.2	The operator's manual shall indicate the fixation points on the body of the tractor where the front-end loader must be installed, together with the size and quality of the hardware to be used. If no such attachment points are foreseen, the operator's manual shall prohibit the installation of a front-end loader.	9
4.5.1.3	Tractors fitted with programmable hydraulic sequencing functions shall provide information on how to connect the loader hydraulics so that this function is inoperable.	NA
4.5.2	Forestry application:	
4.5.2.1	In case of use of an agricultural tractor in a forestry application, the identified hazards are the following:	NA
a	toppling trees, primarily in case a rear-mounted tree grab-crane is mounted at the rear of the tractor;	NA
b	penetrating objects in the operator's enclosure, primarily in case a winch is mounted at the rear of the tractor.	NA
4.5.2.2	The operator's manual shall provide information about the following:	
a	the existence of the hazards described in point 4.5.2.1;	NA
b	any optional equipment that might be available to deal with those hazards;	NA
c	fixation points on the tractor where protective structures can be fixed, together with the size and quality of the hardware to be used. When no means are foreseen to fit adequate protective structures, this shall be mentioned;	NA
d	protective structures may consist of a frame protecting the operating station against toppling trees or (mesh) grids in front of the cab doors, roof and windows;	NA
e	the Falling Objects Protection System level, if provided;	NA
4.5.3	Work with crop sprayers (risk of hazardous substances):	
	The protection level against hazardous substances, in accordance with EN 15695-1:2009, must be described in the operator's manual".	1, 2

NA: Not Applicable



*To ensure
a correct and satisfactory
operation to
your tractor
only use*

service parts and



lubricants recommended by the manufacturer.

