



**AGRALE MARRUÁ AM200**



BODY	
Cab	Double   05 seats
Dump	With metallic bucket   Without bucket (cab-chassis version)
ENGINE	
Make/Model	Cummins ISF 2.8
Emissions Control	Aftertreatment - SCR
No. of Cylinders	4 in line   2.800 cm³
Power	110 kw (150 cv) a 3.200 RPM
Torque	360 Nm 1.800 a 2.700 RPM
Fuel	Diesel
ELECTRIC SYSTEM	
Voltage	12V
Battery	12V / 70 Ah
Alternator	12V / 120 A
CLUTCH	
Type	Organic - Dry sigle disc
Disc's Outer Diameter	300 mm
Actuation	Hydraulic
DRIVING TRANSMISSION	
Make/Model	FSO 4505 E
No. of Gears	5 Forward   1 Reverse
Reduction Ratio	1st - 6,129 : 1 / 2nd - 2,829 : 1 / 3rd - 1,624: 1 4th - 1,000 : 1 / 5th - 0,769 : 1 / Reverse - 5,500 : 1
TRANSFER CASE	
Model	Agrale Manual One Speed 1:1 OPC.: Atlas Manual Two Speed 2:1 / 1:1
CHASSI	
Type	Rectangular chassis beam with crossbars
SUSPENSION	
Front	Longitudinal and transversal bars with panhard, and helicoidal springs
Rear	Rigid axle with semi elliptic springs
Front/Rear Shock Absorbers	Double action, Telescopic
TRACTION AXLE	
Front	AGRALE 8,9" - automatic activation
Type - Front	Rigid axle floating - Open Type
Ratio - Front	4,56:1 (NS)   4,10:1 (OPC)
Rear	DANA 70
Type - Rear	Rigid and floating axle with automatic differential blocking "Power Lock"
Ratio - Rear	4,56:1 (NS)   4,10 :1 (OPC)
THEORETICAL PERFORMANCE (BASED ON NS AND OPC RELATIONS)	
Maximum Speed	134,2 Km/h
Climb on Ramp in TGW	60% ou 31 ° (ratio 4,56:1)
Ignition on Ramp in TGW (Start Ability)	40% - 21,8°

STEERING WHEEL	
Type	Hydraulic
WHEELSETS	
Model	7.00 x 16" - 08 holes
TIRES	
Model	ATR 285/75R16   OP: MTR 285/75R16
BRAKES	
Service Brake - Type	Disc (front)   Drum (rear)
Actuation	Hydraulic servo-assisted with ABS/EBD
Parking Brake - Type	Rear actuation   Pedal with cab
SUPPLY CAPACITY	
Fuel Tank (Diesel S50)	100 L
Urea Tank (Arla 32)	16 L
Crankcase - Volume	5,5 L with filter
Gearbox - Volume	4,6 L
Rear Differential – Volume	3,9 L
Front axle - Volume	1,8 L
Transfer Case - Volume	0,6 L
Cooling liquid - Volume	11,5 L
DIMENSIONS	
Distance between axles	3.350 mm
Overall length	5.300 mm (with bucket and bull bar) 5.264 mm (with bucket, without bull bar) 5.380 mm (without bucket, with bull bar) 5.374 mm (without bucket, without bull bar) 5.669 mm (max length with body) 2.085 mm (max bed length )
Width (Outer tires) - Front Axle	1890 mm
Width (Outer tires) - Rear axle	2065 mm
Width between pants	2.070 mm (front) 2.160 mm (rear)
Width Mirror to Mirror	2530 mm
Car's maximum height	1.970 mm
Minimum height from soil - Front Axle	260 mm
Minimum height from soil - Rear Axle	230 mm
Front gauge	1626 mm
Rear gauge	1.786 mm
Approach Angle	54º (with bull bar) 58º (without bull bar)
Departure Angle	30º (with bucket) / 26 ° (without bucket)
Maximum Side Inclination	30%
Wading depth without snorkel	800 mm
Maximum degree	300 mm
Turning Circle (wall to wall)	16,7 m
WEIGHTS AND CAPACITIES	
TGW - Total Gross Weight	4300 Kg
MTC - Maximum Traction Capacity	8100 Kg
Kerb weight	2.910 Kg (with bucket) 2.710 kg (without bucket)
Load Capacity	1.390 Kg (with bucket   useful load) 1.590 kg (without bucket   load + bodywork)
Maximum Load of Front Axle	2.300 kg
Maximum Load of Rear Axle	3.000 kg

FEATURES AND OPTIONAL	
Heating System	NS
Air Conditioner	NS
Fog Lights	OPC
Lights Protectors	NS
Running Boards	NS
Electric Wich	OPC
Bull Bar	OPC
Skid Plate	NS
Snorkel	OPC
Electric Rearview	OPC *
Electric Window Control	OPC *
Electric Lock	OPC *
Anti Theft System	OPC (*) Available as a set: Electric window, electronic lock e electric mirror
Multimedia Kit	OPC   com GPS, reverse camera and parking sensor
On-Board Computer	NS
Cruise Control	NS
Inclinometer	OPC
Tow coupling	OPC
Solid Painting	NS   White, Red, Black, Green e Beige Optional Colors on request

NS (Normal Series) / OPC (Option) / NA (Non-Applicable) Marruá Utilitários



DEALER

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