



**ÇUKUROVA DEFENCE**

**4x4 14 TONS**  
**MULTIPURPOSE ROLLING**  
**CHASSIS PLATFORM**

# ÇUKUROVA DEFENCE



## GROUP INFO

Çukurova Group is one of the leading players of Turkish economy, taking the Turkish economy to higher levels since the foundation of the Republic. Capitalizing on business opportunities at both domestically and internationally levels, Çukurova group today is on the way to becoming a global player in various fields including industry, construction, information and communication technologies, media, transportation, trade and services, financial services and energy.

Established in 1923 as a textile mill in Tarsus, a small city along the Mediterranean coast of Southern Turkey, Çukurova Group quickly grew into a conglomerate within the industrial sector especially in the area of textiles and construction machinery. Coming from a strong legacy of the industrial sector as its traditional field of activity, the Group has always placed significant emphasis on its industrial operations. As the Group progressed, it acknowledged that further penetration into other sectors was necessary to meet its ambitious strategic targets. As a result of its investments in various other business avenues, today, the group has come to be globally recognized with operations in many different sectors such as industry, defence industry (vehicles, systems and solutions), construction, communication and information technologies, media, transportation, trade and services, financial services and energy.



## FEATURES

The ÇUKUROVA 4x4 chassis can move at high speeds in all terrains and hostile areas where other 4x4 vehicles would encounter difficulties. This vehicle has proven its effectiveness, versatility and responsiveness where needed. Its design incorporates the latest technologies including.

- 4x4 or 4x2 traction with system control.
- Excellent approach and departure angles.
- High ground clearance.
- Four wheel double wishbone, coil spring, shock absorber heavy-duty suspension.
- 100% differential locks in both axles and in the transfer case, which allows us to transmit all the engine power to the wheels with adherence.
- Deep fording system, up to 800 mm depth.



## COMPANY INFO

Launched in 1968 to manufacture agricultural machines under a licensing agreement with John Deere, Çukurova Makina produced 26,250 units over the next 18 years.

In 1986, Company has started to manufacture earth moving and industrial machines under its own lisenca and brand name "ÇUKUROVA". The company's outstanding product with the capacity to produce 2,000 units per annum include; forklift trucks backhoe loaders; wheel loaders and excavators. Using and integrating our 37 years group experience in construction machinery + automotive + defence industry we are opening a new product line and feature opportunities with new defence vehicles, systems and solutions. Products are assembled at the Company manufacturing facility located in Tarsus - TÜRKİYE with a covered area of 15,000 square meters situated on a 110,000 square meter site.

Within a few years the company has increased its market share noticeably in both local and global market by reaching a valuable sales volumes over 45 countries in the world. Besides operating in Europe, North Africa, Asia Pasific, Latin America, Middle, East and Ex-Soviet countries under the network of its esteemed dealers, Since 2004 Çukurova Makina Products are marketed globally through three brand families. ÇUKUROVA. TARSUS and CMI. All new and current products are blended by worldwide know components and latest.



### Run Flat Tires (OPTIONAL)

Çukurova 4x4 chassis are equipped with RTF which are designed to resist the effects of deflation when punctured and to enable vehicles to continue to be driven at reduced speeds 30 km/h.



**ÇUKUROVA DEFENCE**

# TECHNICAL SPECIFICATIONS

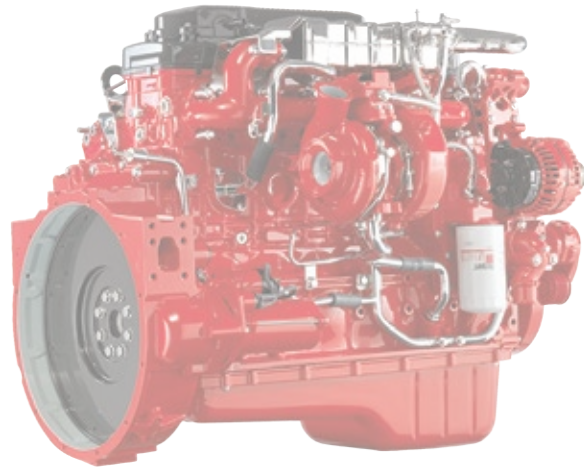
## PERFORMANCE

Max. Speed On Road: 110 km/h

Gradeability: 60%

Side Slope: 30%

Range(On Road): 600 km



## ENGINE

Cummins ISB 285 Hp, E3

Displacement: 6.7 Lt.

6 Cylinders, In-Line

Max. Power: 285 Hp, 2500 rpm

Max. Torque: 970 Nm, 1200 rpm

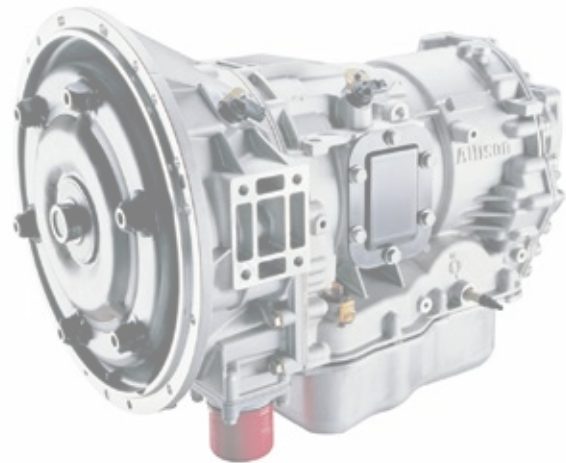
Fuel Tank Capacity: 200 Lt.

## TORQUE CONVERTER

Allison Fully Automatic

Transmission With Torque Converter

TC-413 stall ratio: 2,44



## GEAR BOX

Allison Fully Automatic SP Series

Forward: 6

Reverse: 1

## TRANSFER CASE

Made: Axletech

4x2-4x4 L/H Speed

## AXLES (ISAS+ISAS)

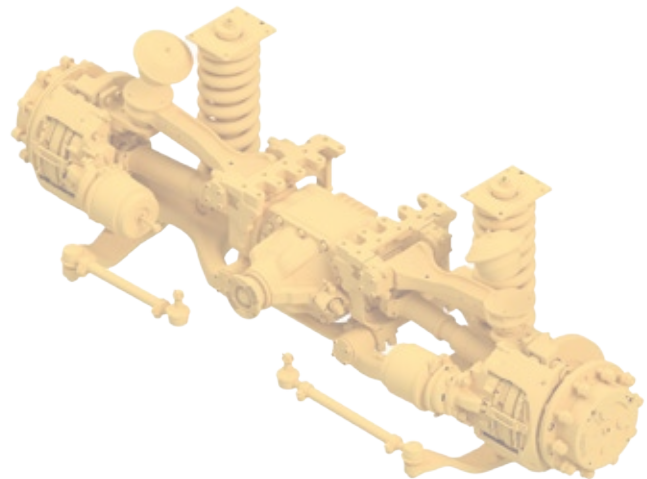
Front: Drive, Steer, Isas

Rear: Drive, Isas

GAWR: F/R max.: 8000/8500 kg.

Planetary, 100% Air Assist Diff. Lock

Series: Axletech



## TYRES AND RIMS

Tyres: 365/80 R20

Rims: 20-11 SDC



# TECHNICAL SPECIFICATIONS

## DIMENSIONS

Wheelbase:	A	3520 mm
Overall Chassis Length:	B (B')	5454 (5859) mm
Front Overhang:	C (C')	1080 (1485) mm
Rear Overhang:	D	854 mm
Front And Rear Track:	E	2100 mm
Chassis Height:	F	970 mm
Ground Clearance:	G	376 mm
Departure Angle:	H	57°
Approach Angle:	I (I')	40° (32°)
Overall Chassis Width:	J	2465 mm
Water Fording:		800 mm

## WEIGHTS

Kerb Weight (Estimated):	6000 kg
Front Axle Kerb Weight:	3180 kg
Rear Axle Kerb Weight:	2820 kg
Pay Load:	8000 kg
Max. Permissible Total Weight Front:	6900 kg
Max. Permissible Total Weight Rear:	7100 kg
Gross Vehicle Weight (Max.):	14000 kg

## SUSPENSION

Front: Double-Wishbone, Coil Spring, Shock Absorbers  
Rear: Double-Wishbone, Coil Spring, Shock Absorbers

## BRAKES

Full Air Brake System, Double Circuit  
Disc Brake, Front And Rear  
ABS or EBS: ABS

## STEERING

Integral Hydraulic Servo Powered

## CHASSIS

Made: Çumitaş, High Resistance Steel,  
Single Rail, "C" Section, Ladder Type, Bolted

## ELECTRICAL SYSTEM

Main System: 24 V, 120 Ah  
Battery: 2x12V 120 Ah  
Black Out Light System

## OPTIONS

(-32°C) Cold Working Kit  
CTIS  
Run-Flat  
24 Volt, Recovery Winch  
Wiper Mechanism  
Towing Hook



# PHOTO GALLERY



# ÇUKUROVA DEFENCE



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