

# ÇUKUROVA

— Makina İmalat ve Ticaret A.Ş.



ÇUKUROVA



# ÇUKUROVA



## THE ÇUKUROVA GROUP

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. To achieve these targets, Çukurova Group undertakes all its endeavors based on a philosophy rooted in development and innovation. 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 construction, communication and information technologies, media, transportation, trade and services, financial services and energy.



## ÇUKUROVA MAKINA IMALAT VE TIC. A.S

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 license and brand name "ÇUKUROVA". The company's outstanding products with the capacity to produce 2,000 units per annum include: backhoe loaders: wheel loaders and excavators. Products are assembled at the Company manufacturing facility located in Tarsus-TURKIYE with a covered area of 14,444 square meters situated on a 109,710 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 Pacific, Latin America, Middle East and Ex-Soviet countries under the network of its esteemed dealers, Çukurova Makina has dedicated itself to expand its dealer network in world-wide by considering full customers satisfaction and to cover all their needs. 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 technologies, combined with concentrated power high performance, safety and extreme user friendliness; tested and certified by notified Certification Bodies and now ready to be a Major Player in all markets. Currently; the Company holds the ISO 9001:2008 Quality System Management Certificate from the Turkish Standards Institution (TSE) and supported by TUBITAK for its RD activities.



# **CUKUROVA**

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## Engine

Brand	JOHN DEERE
Model	606H8F285, Stage-III A
Type	Water cooled, 4 cycle, 6 cylinders in-line, direct injection,turbocharged
Rated Power	156 hp /116 kW
Rated Speed	2200 rpm
Displacement	6,8 liters
Bore and Stroke	106x127 mm
No of Cylinders	6
Max. Torque	667 Nm/1500 rpm
Cooling	Water cooled

## Electrical System

Battery	2x12V 120 Ah
Alternator	24V/50 A

## Hydraulic System Main Pump

Type	2 variable displacement axial piston pumps
Max. Flow Rate	2x246 l/min
Pilot Pump	22 l/min

## Hydraulic cylinders

No. of cylinder	Bore X Rod X Stroke
Boom: 2	125x85x1325 mm
Arm: 1	140x100x1640 mm
Bucket: 1	125X85X1060 mm

## Working Pressures

Attachments (Boom, Arm, Bucket)	330 kgf/cm <sup>2</sup>
Power Boost (Boom Arm, Bucket)	360 kgf/cm <sup>2</sup>
Travel	360 kgf/cm <sup>2</sup>
Swing Circuit	200 kgf/cm <sup>2</sup>
Pilot Circuit	40 kgf/cm <sup>2</sup>

## Undercarriage

Centre Frame	X Type Lower Frame Construction
Track Frame	Pentagonal Box Type
No. Of Shoes	2x49
No. Of Track Rollers	2x9
No. Of Carrier Rollers	2x2
No. Of Rail Guards	2x2
Track Tensioning	Hydraulic track adjuster with shock absorbing spring

## Swing System

Swing Motor	Axial Piston Motor
Swing Reduction	Planetary Gear Reduction
Swing Brake	Hydraulic Disc Type
Swing Speed	11 rpm
Swing bearing lubrication	Greast-bathe

## Travel and Brakes

Travel	X Type Lower Frame Construction
Travel Motor	Pentagonal Box Type
Controls	2x49
Reduction System	2x9
Max. Travel Speed (High/Low)	2x2
Max. Drawbar Pull	2x2
Gradeability	Hydraulic track adjuster with shock absorbing spring
Parking Brake	Hydraulic multi disc type

## Travel and Brakes

Arm Length	2940 mm
Bucket Digging Force	14000 kgf
Bucket Digging Force (Power Boost)	15000 kgf
Arm Crowd Force	11300 kgf
Arm Crowd Force (Power Boost)	12400 kgf

## Capacities

## Liters

Fuel Tank	400
Hydraulic tank	175
Hydraulic System	310

## Cabin

- FOPS/FOG cabin with tinted safety glass gives total visibility, it is roomy and comfortable.
- Seat, adjustable to operator's weight
- Heating and ventilation fresh air heater/blower unit, full heating control system
- Fully equipped instrument panels with the latest technology, audible and visual warnings on main functions.
- Ergonomic controls

## Weights

Operating Weight	23000 kg
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# TECHNICAL SPECIFICATIONS

# 940

## Engine

- Heavy duty design, high torque capability, powerful Cummins engine.
- Low fuel consumption and low maintenance cost.
- Environment friendly.
- Smooth engine operation with balancer shafts.
- Poly-vee fan drive with automatic belt tensioner.
- Dynamically balanced crankshaft.
- Replacable, wet-type cylinder liners.
- Dry type air cleaner with primary and safety elements.

Model	Cummins Stage V
Type	B6.7 FR95889 Industrial
Rated Power	129 kW (173 hp)
Rated Speed	2200 RPM (Maximum continuous speed: 2000 RPM)
Displacement	6.7 L (408 in3)
Bore and Stroke	107 mm (4.21 in) & Stroke: 124 mm (4.88 in)
No of Cylinders	6
Max. Torque	881 N-m (650 lb-ft) @ 1300 RPM
Cooling	Water Cooled

## Electrical System (Stage III A) (Stage V)

Battery	2x12V / 120 Ah	2x12V 120 Ah
Starter	24V / 4kW	24V 7,8 kW
Alternator	24V / 100A	24V / 70A

## Hydraulic System

- Closed Center System.
- Load sensing with axial piston pump.
- Hydraulic operated control valves enable operators to have smooth control and get precise movement.

System type	C-center
Hydraulic pump	Load sensing with axial piston pump
Max. Flow	176 lt/min
Max. Press	230 bar

## Hydraulic Cycle Time

Raise	6,3
Dump	1,6
Lower	5,1
Total	13,0

## Lift cylinder / Double acting

Bore and stroke	130 x 696 mm
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## Tilt cylinder / Double acting

Bore and stroke	140 x 540 mm
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## Drive Train Transmission

Make	ZF
Type	Full Powershift, electronic autoshift
Max drawb. pull	116,8 kN

## Travel Speeds

1st (Forward/reverse)	6,83 / 7,20 km/h
2nt (Forward/reverse)	13,30 / 14,00 km/h
3rd (Forward/reverse)	23,50 / 24,50 km/h
4th (Forward)	40,00 l - km/h

## Axles:

### ZF Front and Rear Axles

- High input torque with planetary design.
- Self adjusting high torque internal wet multi disc service brake.
- Limited slip differential.
- 24° total oscillation on rear axle

## Brakes

2 wheel / 4 wheel	4 wheel
Service type	Hydraulic wet multi-disc
Parking type	Electro-hydraulic caliper disc brake

## Steering

- Hydrostatic power steering.
- Load sensing system.

Steering Type	Articulated frame
Angle of frame articulation	40°
Outside turning radius from tire	5.500 mm
Outside turning radius from bucket	5.900 mm

## Loader Attachment

Bucket Capacity	2,5 m3
Breakout Force	132,8 kN
Bucket width	2600 mm
Tipping load (straight)	11.500 kg
Tipping load (40° turn)	10.570 kg

## Tyres

Front	20,5-25 / 16 PRL3
Rear	20,5-25 / 16 PRL3

## Weights

Operating Weight	13.940 kg
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## Capacities

## Liters

Engine oil	14
Cooling system	38
Fuel tank	230
Hydraulic tank	118
Transmission oil	21
Front axle	34
Rear Axle	23



# TECHNICAL SPECIFICATIONS

# 980

## Engine

- Heavy duty design, high torque capability, powerful Cummins engine.
- Low fuel consumption and low maintenance cost.
- Environment friendly.
- Smooth engine operation with balancer shafts.
- Poly-vee fan drive with automatic belt tensioner.
- Dynamically balanced crankshaft.
- Replacable, wet-type cylinder liners.
- Dry type air cleaner with primary and safety elements.

Model	Cummins Stage V
Type	B6.7 FR95885 Industrial
Rated Power	168 kW (225 hp)
Rated Speed	2200 RPM (Maximum continuous speed: 2000 RPM)
Displacement	6.7 L (408 in <sup>3</sup> )
Bore and Stroke	107 mm (4.21 in) & Stroke: 124 mm (4.88 in)
No of Cylinders	6
Max. Torque	1186 N-m (875 lb-ft) @ 1300 RPM
Cooling	Water Cooled

## Electrical System (Stage III A) (Stage V)

Battery	12x2V / 120 Ah	2x12V 120 Ah
Starter	24V / 7kW	24V 7,8 kW
Alternator	24V / 100A	24V / 70A

## Hydraulic System

- Closed Center System.
- Load sensing with axial piston pump.
- Hydraulic operated control valves enable operators to have smooth control and get precise movement.

System type	C-center
Hydraulic pump	Load sensing with axial piston pump
Max. Flow	306 l/min.
Max. Press	280 bar

## Hydraulic Cycle Time

Raise	6,6 sec.
Dump	3,35 sec.
Lower	3,75 sec.
Total	13,7 sec.

## Lift cylinder / Double acting

Bore and stroke	160 x 742 mm
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## Tilt cylinder / Double acting

Bore and stroke	180 x 525 mm
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## Drive Train Transmission

Make	ZF
Type	Full Powershift, electronic autoshift
Max drawb. pull	178 kN

## Travel Speeds

1st (Forward/reverse)	7,00   7,30 km/h
2nd (Forward/reverse)	13,00 / 13,70 km/h
3rd (Forward/reverse)	26,00   27,30 km/h
4th (Forward)	40,00   - km/h

## Axles:

### ZF Front and Rear Axles

- High input torque with planetary design.
- Self adjusting high torque internal wet multi disc service brake.
- Limited slip differential.
- 24° total oscillation on rear axle

## Brakes

2 wheel / 4 wheel	4 wheel
Service type	Hydraulic wet multi-disc
Parking type	Electro-hydraulic caliper disc brake

## Steering

- Hydrostatic power steering.
- Load sensing system.

Steering Type	Articulated frame
Angle of frame articulation	40°
Outside turning radius from tire	5900 mm
Outside turning radius from bucket	6830 mm

## Loader Attachment

Bucket Capacity	3,5 m <sup>3</sup>
Breakout Force	187 kN
Bucket width	3000 mm
Tipping load (straight)	15739 kg
Tipping load (40° turn)	13900 kg

## Tyres

Front	23,5-25/20 PRL3
Rear	23,5-25/20 PRL3

## Weights

Operating Weight	19500 kg
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## Capacities

## Liters

Engine oil	14
Cooling system	40
Fuel tank	280
Hydraulic tank	130
Transmission oil	27
Front axle	35
Rear Axle	35





## Engine

Brand	JOHN DEERE
Model	6090HF485, Tier III
Type	Water cooled, 4 cycle, 6 cylinders in-line direct injection, turbocharged
Rated Power	300 HP 224 KW
Rated Speed	2000 rpm
Displacement	9 L.
Bore and Stroke	118,4 X 136 mm
No of Cylinders	6
Max. Torque	1421 Nm@1500 rpm
Cooling	Water cooled

## Electrical System

Battery	2x12V / 120 Ah
Starter	24 V / 7,8 kW
Alternator	24V / 100 A

## Drive Train Transmission

Make	ZF
Type	Full auto-shift and automatic kick down
Max drawb. pull	229 kN

## Travel Speeds

1st (Forward/reverse)	7,40/7,40 km/h
2nt (Forward/reverse)	12,3/12,3 km/h
3rd (Forward/reverse)	19,0/27,0 km/h
4th (forward/-)	40 / km/h

## Axles:

### ZF Front Axle and Rear Axles

- High input torque with planetary design.
- Self adjusting high torque internal wet multi disc service brake.
- 24 degrees total oscillation on rear axle.
- Limited slip differential.

## Hydraulic System

- Hydraulic operated control valves enable operators to have smooth control and get precise movement.

System type	C-center
Hydraulic pump	Load sensing with axial piston pump
Max. Flow	360 l/min.
Max. Press	250 bar

## Hydraulic Cycle Time

Raise	5,9 sec.
Dump	2,0 sec.
Lower	2,5 sec.
Total	10,4 sec.

## Lift cylinder / Double acting

Bore and stroke	170x840 mm
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## Tilt cylinder / Double acting

Bore and stroke	200x672 mm
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## Steering Cylinder / Double Acting

Bore and stroke	90x582 mm
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## Brakes

2 wheel / 4 wheel	4 wheel
Service type	Hydraulic wet multi-disc
Parking type	Electro-hydraulic caliper disc

## Steering

Steering Type	Articulated frame
Angle of frame articulation	40°
Outside turning radius from tire	6350 mm
Outside turning radius from bucket	7250 mm

## Loader Attachment

Bucket Capacity	4,5 m³
Breakout Force	218 kN
Bucket width	3200 mm
Tipping load (straight)	19200 kg
Tipping load (40° turn)	16950 kg

## Tyres

Front	26,5-25
Rear	26,5-25

## Weights

Operating Weight	24250 kg
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## Cabin

- ROPS (ISO 3741) - FOPS (ISO 3449) tinted safety glass giving total visibility, roomy and comfortable.
- Seat: adjustable to operator's weight.
- Heating and ventilation; fresh air heater/blower unit, full heating control system.
- Fully equipped instrument panels with the latest technology, audible and visual warnings on main functions.
- Tilttable and adjustable steering column.
- Ergonomic controls.

## Capacities

## Liters

Engine oil	31
Cooling system	45
Fuel tank	420
Hydraulic tank	150
Transmission oil	32
Front axle	42
Rear Axle	42







## Engine

- Heavy duty design, high torque capability, powerful PERKINS engine
- Impressive low speed torque to deliver improved machine response
- Low fuel consumption and low maintenance cost
- Environmental
- Dry type air cleaner with primary and safety elements.

## Make

Perkins

	Stage II	Stage III A	Stage V
Model	1104C-44T	1104D-44TA	904J-E36TA
Type	4 stroke diesel, turbo charged		
Rated Power	100hp/74,5 kW		
Rated Speed	2200rpm		2200rpm
Displacement	4,4 L.		3,6 L.
Bore and Stroke	105x127 mm		98*120 mm
No of Cylinders	4		
Max. Torque	408 Nm	410 Nm	430 Nm
Cooling	Water cooled engine		

## Hydraulic System

System Type	Open Center
Hydraulic pump	Tandem Gear
Max. Flow	90 + 64 l/min
Max. System Pressure	235 bar
Backhoe Controls	Mechanical Control Levers
Loader Control	Mechanical Control Levers

## Electrical System

Stage II/III

Stage V

Starter	3,2 kW	4,0 kW
Electrical	12 / 120 V /Ah	

## Travel Speeds

1st (forward/reverse)	6,50 / 7,00 km/h
2nd (forward/reverse)	11,00 / 12,00 km/h
2nd (forward/reverse)	26,00 / 30,00 km/h
4th (forward)	40,00 / km/h

## Transmission

Brand	ZF
Type	4 Wheel Drive - Powershift
Transmission Disconnect	With Push Button

## Axles:

### ZF front axle

- Ease of operation with hydrostatic steering system even under high load conditions.
- Limited slip differential.
- 16° total oscillation on front axle.

### ZF rear axle

- High input torque with outboard planetary design.
- Electro-hydraulic operated differential %100 locking acts on rear axle.
- Self-adjusting high torque internal wet multi disc service brake

### Brakes

- Internal with disc brakes.
- Foot operated hydraulically boosted service brake. Two pedals acted on four wheels.

## Easy Cab Entry

Sculpted, self-cleaning steps and a full-size grab bar provide an extra measure of safety getting in and out of the cab. Partial opening of cab doors.

## Screw type cylinder heads

For maintenance and repair Cukurova 884 model backhoe loaders supply a lot of noteworthy benefits for the operator. Screw type cylinder head assembly for cylinders provides quick replacement of cylinder seal kit during the overhaul of the machine keeping the spare parts cost at minimum.

## Sealed pins and bushing

Sealed pins and bushings extend the life time of the linkages of the attachments by preventing the entry of dust or blockages and increases the time between service periods.

## Hydraulic Control System

- Screw type cylinder design with all sealed pins and bushings for easy maintenance and long life
- Cushioned swing, boom and stick provides maximum operator comfort for fast and smooth trenching

## Backhoe Attachment

Max. Bucket Tearout	63,9 kN
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## Dipper Tearout

Retracted	30,54 kN
Extended	22,61 kN

## Steering

Steering Type	2 Wheel
Power Type	Hydrostatic

## Loader Attachment

Bucket Capacity	1,1 m <sup>3</sup>
Breakout Force - Lift	59 kN
Breakout Force - Bucket	72 kN
Bucket Width	2400 mm
Lift to Full Height	3178 kg

## Tyres

Front	14,5 - 20
Rear	16,9 - 28

## Weights

Operating Weight	8611 kg
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## Capacities

Liters

Fuel tank	140
Hydraulic tank	75

# BACKHOE LOADERS



# TECHNICAL SPECIFICATIONS



## Engine

- Heavy duty desing, high torque capability, powerful PERKINS engine.
- Low rpm torque ensures a stable machine response.
- ECC filtration system provides high quality construction with a re-usable canister, a disposable inner element and a simpler service process.
- Low fuel consumption and low maintenance cost.
- Environmentally friendly to use.
- Dry type air cleaner with primary and safety elements.

## Make

## Perkins

	Stage II	Stage V
Model	1104C-44T	904J-E36TA
Type	4 stroke diesel, turbo charged	
Rated Power	100hp/74,5 kW	
Rated Speed	2200rpm	
Displacement	4,4 L.	3,6 L.
Bore and Stroke	105x127 mm	98*120 mm
No of Cylinders	4	
Max. Torque	408 Nm	430 Nm
Cooling	Water cooled engine	

System Type	Closed Center
Hydraulic Pump	Axial Piston Pump
Max. Flow	156 l/min
Max. Press.	235 bar
Hydraulic oil filter	Full flow filter in return and suction line with integrated fine filter area
Hydraulic oil cooler	Hydraulic and transmission oil cooler

## Turning Circle (without brakes)

Outer Front Tire Clearance	10800 mm
Outer Loader Bucket Clearance	13900 mm

## Hydraulic System

Backhoe Controls	Hydraulic Joystick Controls
Loader control	Hydraulic Joystick Controls

### Hydraulic Control System

- Threaded head type cylinder design with all sealed pins and bushings for easy maintenance and long life
- Cushioned swing, boom and stick cylinders provides maximum operator comfort for fast and smooth trenching

## Axles

### Front Axle

- Ease of operation with hydrostatic steering system even under high load conditions.
- 16° total oscillation on front axle.

### Rear Axle

- High input torque with outboard planetary design.
- Electro-hydraulic operated differential %100 locking acts on rear axle
- Self adjusting high torque internal wet multi disc service brake.

## Drive Train

- 4 Wheel drive (4x4)
- Low noise and low internal speeds.

## Transmission

Brand	Carraro
Type	Servo Power Synchro (Autoshift)
Transmission disconnect	With push button

## Electrical System

### Stage II

### Stage V

Starter	3,2 kW	4,0 kW
Electrical	12 / 120 V /Ah	

## Travel Speeds

1st (forward/reverse)	5,97 / 5,97 km/h
2nd (forward reverse)	9,55 / 9,55 km/h
3rd (forward/reverse)	21,29 / 21,29 km/h
4th (forward/reverse) Carraro	40,00 / 40,00 km/h

### Steering:

- Hydrostatic power steering.
- Load sensing system.

## Tyres

Front	16,0 / 70-20
Rear	16,9-28

## Loader Attachment

Shovel Capacity	1,1/1,0 m³
Breakout Force Lift	56,1 kN
Breakout Force Shovel	81,6 kN
Shovel Width	2400 mm or 2280 mm
Lift to full height	3178 kg

## Backhoe Attachment

Max. Bucket Breakout	63,9 kN
Retracted Dipper Breakout	30,54 kN
Extended Dipper Breakout	22,61 kN

### Brakes:

- Hydraulically foot operated service brake two pedals acted on four wheels.

## Brakes

Service Type	Hydraulic Wet Multi-disc
Parking Type	Mechanical control on rear axle

## Weights

Operating Weight	(with full options) 8960 kg
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## Capacities

### Liters

Engine Oil	Stage V/11,6 - Stage II/8,4
Transmission Oil	19,0
Cooling System	25,0
Fuel Tank	164,0
Hydraulic Tank	75,0
Hydraulic System	130,0
Front Axle	9,11
Rear Axle	19,9
Adblue (Stage V)	19,0



# BACKHOE LOADERS



# TECHNICAL SPECIFICATIONS



## Engine

- Heavy duty desing, high torque capability, powerful PERKINS engine.
- Impressive low speed torque to deliver improved machine response.
- ECC filtration system provides high quality construction with a re-usable canister, a disposable inner element and a simpler service process.
- Low fuel consumption and low maintenance cost.
- Environmentally friendly to use.
- Dry type air cleaner with primary and safety elements.

## Make

## Perkins

	Stage II	Stage V
Model	1104C-44T	904J-E36TA
Type	4 stroke diesel, turbo charged	
Rated Power	100hp/74,5 kW	
Rated Speed	2200rpm	
Displacement	4,4 L.	3,6 L.
Bore and Stroke	105x127 mm	98*120 mm
No of Cylinders	4	
Max. Torque	408 Nm	430 Nm
Cooling	Water cooled engine	

	Closed Center	Open Center
System Type		
Hydraulic Pump	Axial Piston Pump	Tandem Gear Pump
Max. Flow	156 l/min (Piston Pump)	154 l/min (Gear Pump)
Max. Press.	235 bar	
Hydraulic oil filter	Full flow filter in return and suction line with integrated fine filter area	
Hydraulic oil cooler	Hydraulic and transmission oil cooler	

## Turning Circle (without brakes)

### 4x4 Mod

### 4x4x4 Mod

Outer Front Tire Clearance	15600 mm	9485 mm
Outer Loader Bucket Clearance	17000 mm	11400 mm

## Hydraulic System

Backhoe Controls	Joystick Control
Loader control	Joystick Control

### Hydraulic Control System

- Threaded head type cylinder design with all sealed pins and bushings for easy maintenance and long life.
- Cushioned swing, boom and stick cylinders provides maximum operator comfort for fast and smooth trenching.

## Axles

### Carraro Axles

- 4WD is engaged by the switch on right instrument panel.
- 4WD can be engaged in all applications; load and carry, roading, in any gear forward or reverse.
- Outboard planetary reduction gears.
- Electro-hydraulic operated differential %100 locking acts on rear axle.
- 16° total oscillation on front axle

## Drive Train

- 4 Wheel drive (4x4)
- Carraro automatic powershift transmission
- Low noise and low internal speeds

## Transmission

Brand	Carraro
Type	Automatic Powershift
Transmission disconnect	With push button

## Electrical System

### Stage II

### Stage V

Starter	3,2 kW	4,0 kW
Electrical	12 / 120 V /Ah	

## Travel Speeds

1st (forward/reverse)	5,97 / 5,97 km/h
2nd (forward reverse)	9,60 / 9,60 km/h
3rd (forward/reverse)	21,20 / 21,20 km/h
4th (forward/reverse)	40,00 / 40,00 km/h

### Transmission

- Choice of 4-speed automatic powershift transmissions are featured for different models for applications that require numerous directional changes at the work site. Gearshifts are smooth and precise and help maximise fuel efficiency.

### Steering:

Electrical controlled 3 different steering modes

- 2-wheel front steering for road drive
- 4-wheel steering for tight turns
- 4-wheel "crab" steering for close - to wall dipping and ditch closing
- Hydrostatic power steering.
- Load sensing system (only with axial piston pump).

## Tyres

Front	16,9-28
Rear	16,9-28

## Loader Attachment

Shovel Capacity	1,1 m³
Breakout Force Lift	56,1 kN
Breakout Force Shovel	81,6 kN
Shovel Width	2400 mm
Lift to full height	3178 kg

## Backhoe Attachment

Max. Bucket Breakout	63,9 kN
Retracted Dipper Breakout	30,54 kN
Extended Dipper Breakout	22,61 kN

### Brakes:

- Hydraulically foot operated service brake two pedals acted on four wheels.

## Brakes

Service Type	Hydraulic Wet Multi-disc
Parking Type	Mechanical control on rear axle

## Weights

Operating Weight	8700-9750kg
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## Capacities

### Liters

Engine Oil	Stage V/11,6 - Stage II/8,4
Transmission Oil	19,0
Cooling System	25,0
Fuel Tank	164,0
Hydraulic Tank	75,0
Hydraulic System	130,0
Front Axle	11,5
Rear Axle	16,0
Adblue (Stage V)	19,0

# ÇUKUROVA

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