

THE ALL NEW
PRO SERIES
770EX MAGNUM

CASE
CONSTRUCTION



**GIVE YOUR BUSINESS
THE PRO-EDGE.**

CaseCE.com
EXPERTS FOR THE REAL WORLD
SINCE 1842

PRODUCTIVE, PROGRESSIVE AND PROFITABLE. **THE ALL NEW PRO SERIES.**

TIME TO GET THE PRO-ADVANTAGE.

The demands of your business are no longer the same. The all new PRO series of CASE Loader Backhoes comes with the PROMise of better PROductivity & higher PROfits for you. We've changed our machines to stay in sync with the rapidly changing scenarios. All in order to give you the PRO-advantage.



01 Optimized Powertrain

Now, get even better fuel efficiency with all your PRO Series Loader Backhoes because of optimized powertrain.

02 Bigger Buckets

Get benefits of increased productivity, thanks to the bigger bucket sizes that allow more load lifting per bucket.

03 Ergonomic Design

Comfortable operation is ensured with ergonomic seat, better lever position with lesser effort, higher storage space and an optimized tool kit.

04 Heavy Duty Structure

Everything in your new PRO Series machine is heavy duty, from tanks to rims to fenders to overall structure.

05 Longer, Deeper, Farther

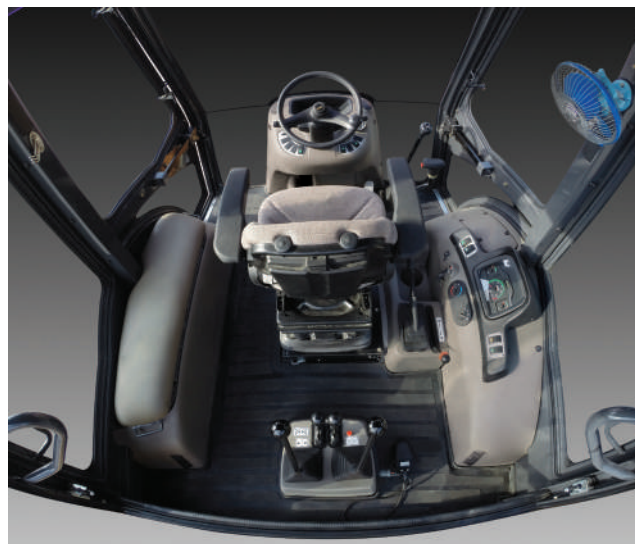
Help your business grow faster with the PRO Series's longer reach, deeper dig & the capability to go farther.

PRO SERIES LOADER BACKHOE CASE 770EX MAGNUM



EXCELLENT VISIBILITY **Get the complete picture**

Best-in-class spacious cabin with large glazed windows provide outstanding all round visibility and superior on-site safety.



EASY ACCESS **A place for everything and everything in its place**

The ergonomic layout of controls, storage space and buddy seat enhance operator comfort and productivity. Easy access to the cab is guaranteed with conveniently placed grab rails, walk-up steps and large platform.



EXTENDAHOE **Extend your business**

The Extindahoe allows the operator to increase overall Loader Backhoe capacity, keeping the same strength of the standard dipper. The CASE Loader Backhoe with Extindahoe can reach the capacity of a mid-class excavator, but with higher flexibility and better transportability. The inner sliding makes the periodical free play setting easy to apply without any special tool or rotating requirement.



HIGHEST PRODUCTIVITY **Longest heritage in Backhoe design**

The new CASE Backhoe's 'S' tyled boom will boost your productivity. The boom delivers excellent breakout force. The heavy duty front axle further boosts productivity, especially when working in rough terrains. The robust structures have enhanced the reliability and durability of CASE machines.



EASY MAINTENANCE **Check points easily reachable**

CASE knows that the easier it is to perform routine maintenance, the more likely it will get done. The easy serviceability due to the large access area available when opening the new tiltable front engine hood, is a hallmark of CASE Loader Backhoe machine design. To improve serviceability, the machine layout has been optimized to provide an easy access to all main components.



Performance

Improved cycle time - 12% in Loader & 12% in Backhoe operation | 18% Higher Pump Flow | Simultaneous operation for better controllability

THE PRODUCTIVE PARTNER.

PRO SERIES LOADER BACKHOE



EAGLE EYE TELEMATICS

Your machine in your control

CASE brings to you a revolutionary technology, “EAGLE EYE” for enhancing the performance and efficiency of your machine. This is an Asset Monitoring System that combines Internet, Cellular and GPS technologies.

This system helps you keep an eye on every significant detail of your machine such as:

- Real Time Location of the Machine
- Operating Hours
- Cumulative Hour Meter Reading
- Warning Text Alerts for Critical Parameters



POWERSHUTTLE TRANSMISSION WITH TORQUE CONVERTER

Smooth riding

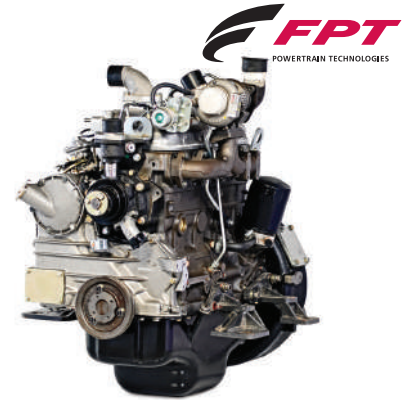
The power shuttle transmission provides four speeds, forward and reverse. Hydraulically shifted clutches allow on-the-go direction and travel speed shifts. Modulation valves deliver smooth speed and directional shifts. 4WD improves performance, especially with the loader or when job site conditions are muddy and extra traction is mandatory. The new 2-cylinder steering front axle is mounted above the center pivot and can oscillate to ± 8 degrees, so that all four wheels stay on the ground ensuring great stability even in the toughest of conditions and with highest front loads.



HIGH EFFICIENCY

A legacy of high performance

The new generation engine, developed by FPT Industrial, provides outstanding performance like faster response time and up to 10% better fuel economy thanks to its Internal EGR Technology. The S8000 FPT Engine with high-power and torque density provides the best-in-class performances in any application either with backhoe or front loader.



STRAIGHT LOADER ARM

Lowest operating costs ever

CASE engineers used an innovative systems integration approach to design and improve loader arm to meet customer needs in loading applications. The straight loader arm design with optimized line routings provides excellent visibility and best-in-class tipping height.



Comfort Aesthetic

New Gear Lever design for less effort | Improved Cabin frame, high quality fit & finish

APPLICATIONS

PRO SERIES LOADER BACKHOE

THERE'S A CASE LOADER BACKHOE FOR EVERY REQUIREMENT.

CASE's wide range of Loader Backhoes ensures that you've a solution for every need. Engineered to perform anywhere, on any terrain, every machine is designed to deliver in the best possible manner. Whether be it rural terrain or urban geographies, from roads to bridges, CASE machines have always proved to be the best-in-class. What's more, these easy to use machines have a wide range of applications. Also, being reliable, productive, fuel efficient, easy to maintain and with a very low operating cost, CASE machines continue to remain the Experts for the Real World Since 1842.



Technical upgrades for better performance of machine

Reliable electrical parts for nonstop performance | Highly precise hydraulic system | Robust structure to perform in extreme conditions

PRO SERIES LOADER BACKHOE SPEC SHEET

ENGINE

Engine model.....FPT S8000
 Type.....Turbocharged
 Bore x stroke.....104 x 115 mm
 Displacement.....3.9 L
 Compression ratio.....18.3:1
 Horsepower at 2200 RPM.....86 hp
 Maximum torque at 1300 RPM.....402 Nm

Engine Speeds

Rated speed, full load.....2200 RPM
 Low idle speed (at no load).....950 RPM

ELECTRICAL SYSTEM

Battery.....12 volts, 130 Ah
 Alternator output.....65A

POWERTRAIN

Transmission - Standard

Model.....CARRARO 2WD TLB1
 Type.....4 forward and 4 reverse travel gears
 with power shuttle

Transmission - Optional

Make & model.....CARRARO 4WD TLB1
 Type.....4 forward and 4 reverse travel gears
 with power shuttle

Gear	Forward	Reverse
1 st	6.2	7.4
2 nd	10	12
3 rd	20.7	Not recommended
4 th	39.2	Not recommended

All speeds are in KMPH with standard tyres

REAR AXLE

2 Wheel Drive (Standard)

Make & model.....CARRARO 28,32M
 Type.....Rigid

4 Wheel Drive (Optional)

Model.....CARRARO 28,32M
 Type.....Rigid

FRONT AXLE

2 Wheel Drive (Standard)

Model.....CNH PS1300
 Type.....Steering
 Front axle oscillation.....21°

4 Wheel Drive (Optional)

Model.....CARRARO 26.17
 Type.....Steering
 Front axle oscillation.....16°

BRAKES

Service Brakes

Type.....Wet multi-discs
 No. of discs.....4

Parking Brake

Type.....Manual with lever

HYDRAULIC SYSTEM

Type.....Gear pump
 Flow rate.....145 lpm @2200 RPM
 Pressure.....210 Bar

STEERING

Type.....Power steering
 System pressure.....140 Bar
 Displacement.....125 cc

Turning Radius (Outside of the Bucket)

With brake.....4.6 m
 Without brake.....5.6 m

Tread Width

Front.....1.9 m
 Rear.....1.7 m

SERVICE CAPACITIES

Engine oil.....9.1 L
 Transmission oil.....22 L
 Rear axle oil.....17 L
 Hydraulic oil.....110 L
 Fuel tank.....129 L
 Coolant.....20 L

TYRE SIZE

Recommended

Standard - front.....9.0 x 16 - 16 PR
 Standard - rear.....16.9 x 28 - 12 PR
 Heavyduty - front.....12.5 x 18 - 12 PR
 Heavyduty - rear.....14 x 25 - 20 PR

Tyre Size

BUCKETS

Loader Buckets

Type.....Standard
 Heaped capacity (SAE capacity).....1.1 cu m
 Width.....2.3 m
 Weight.....470 kg

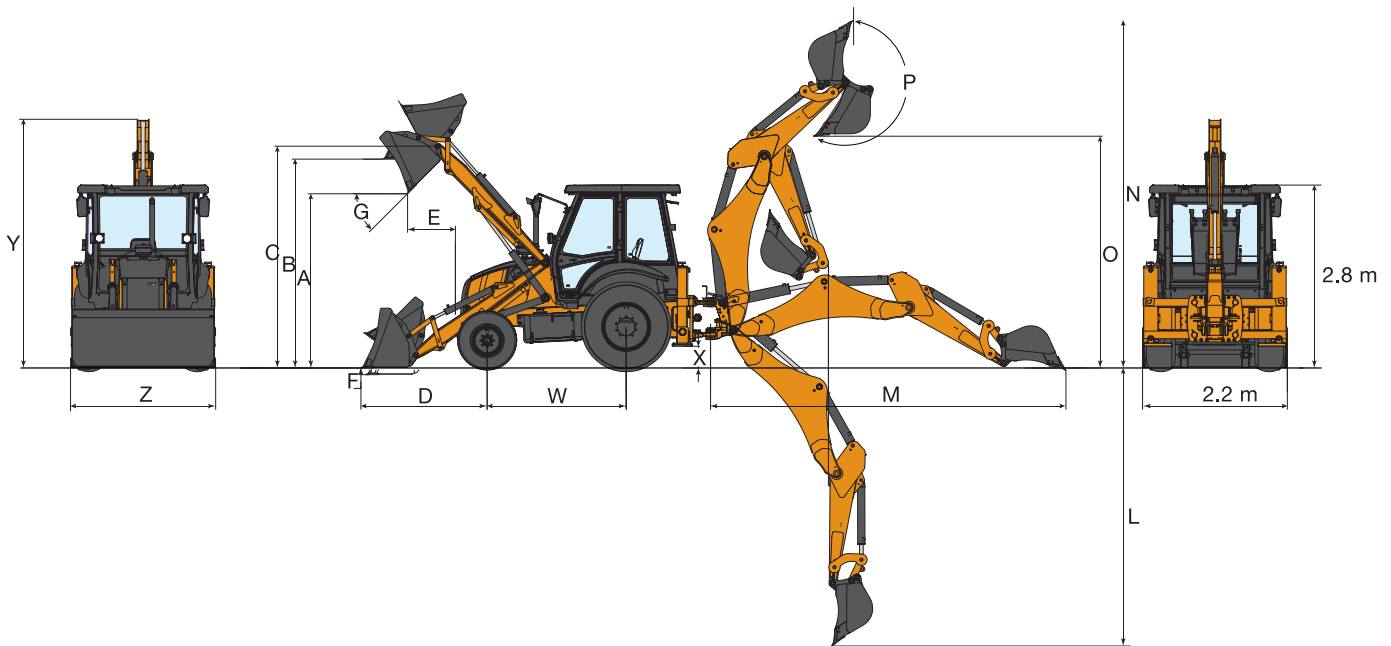
Backhoe Buckets

Heaped capacity (SAE capacity).....0.30 cu m
 Width.....0.9 m
 Weight.....248 kg

OPTIONAL BUCKETS

	Capacity (SAE L)
Loader HD.....	630
Loader HD.....	760
Loader GP.....	900
Loader GP.....	1000
Loader coal handling.....	1200
Loader garbage handling (without teeth).....	1500
Bull clam.....	1000
Backhoe trenching.....	80
Backhoe trenching.....	120
Backhoe trenching.....	180
Backhoe trenching.....	260
Backhoe trapezoidal.....	300
Ditch cleaning (without teeth).....	300

PRO SERIES LOADER BACKHOE SPEC SHEET



LOADER

A Dump height	2.7 m
B Load over height	3.3 m
C Hinge pin height	3.6 m
D Reach at ground	2.0 m
E Reach at full height-bucket dumped	0.8 m
F Below ground level-dig depth	0.1 m
G Dump angle	45°
Bucket capacity	1.1 cu m
Loader bucket breakout force	6570 kgf
Pay load	1925 kg
Maximum lifting capacity @ max height	3700 kg

BOTTOM DUMP BUCKET

This multipurpose bucket is ideal for (6 operations) digging, loading, dozing, backfilling, grading and grab operation

Bucket width outside	2.3 m
Width of dozer blade	2.3 m
Maximum clamp opening	0.9 m
Bucket capacity (SAE HEAPED)	1.0 cu m
Dump height	2.7 m

STANDARD

- Speedometer, RPM Meter, Digital Hour Meter
- Fuel Level Indicator, Engine Coolant Gauge
- New Generation Electrical Switches
- 2 Front & 4 Rear Lights
- Direction Indicator, Parking Light
- Spacious Battery Box
- FM Radio
- Eagle Eye Telematics Solution
- Lifting Hook
- Licence Plate

BACKHOE

	STANDARD	OPTIONAL
L Max. dig depth	4.5 m	4.7 m
M Reach ground level to swing center	5.8 m	5.9 m
N Max. working height	5.6 m	5.7 m
O Max. load over height	3.8 m	3.8 m
P Bucket rotation	204°	204°
Bucket breakout force	5630 kgf	5630 kgf
Dipper digging force	4300 kgf	3950 kgf
T Max. lift capacity	1470 kgf	1530 kgf
Safe working load @ 3.2 meter radius	1470 kg	1100 kg

OVERALL DIMENSIONS AND WEIGHTS

Overall operating weight	8230 kg
W Wheel base	2.2 m
X Minimum ground clearance	0.4 m
Y Overall height (transport position)	3.9 m
Z Width over bucket (transport position)	2.3 m

OPTIONALS

- 4 Wheel Drive (4X4 Traction)
- Heavy Duty Tyres (14X25-20PR)
- Bottom Dump Bucket (6 in 1 operation)
- Dozer & Backfill Blade
- Heat Ventilation and Air Conditioning (HVAC)
- Extended Dipper (EXTENDAHOE)
- Ripper Tooth
- Wood Log Grapple
- Limestone Scraper
- Grammer Operator Seat

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PARTS AND SERVICE

Wide network of customer support across the world. No matter where you work, we're here to support and protect your investment and exceed your expectations. You can count on CASE and your CASE dealer for full-service solutions-productive equipment, expert advice, flexible financing, genuine CASE parts and fast service. We're here to provide you with the ultimate ownership experience. To locate a CASE dealer or learn more about CASE equipment or customer service, go to www.casece.com

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