

EX SERIES ONLY LOADERS
770EX | 770EX MAGNUM | 851EX

CASE
CONSTRUCTION



**EXPLORE THE
NEW EX SERIES**

CaseCE.com
EXPERTS FOR THE REAL WORLD
SINCE 1842

EX SERIES ONLY LOADERS

SPEC SHEETS

	770EX	770EX MAGNUM	851EX
ENGINE			
Engine model code	FPT S8000		
Type	Turbocharged		
Bore x stroke	104 x 115 mm		
Displacement	3.9 l		
Compression ratio	18.3:1		
Horsepower - rated at 2200 RPM	76 hp	86 hp	96 hp
Maximum torque at 1300 RPM	332 Nm	402 Nm	420 Nm
ENGINE SPEEDS			
Rated speed, full load	2200 RPM		
Low idle speed (at no load)	950 RPM		
POWERTRAIN			
TRANSMISSION - STANDARD			
Model	CARRARO 2WD TLB1		
Type	Power Shuttle with 4 forward and 4 reverse travel gears		
GEAR	Forward (speed kmph)	Reverse (speed kmph)	
1 st	6.2	7.4	
2 nd	10	12	
3 rd	20.7	Not Recom.	
4 th	39.2	Not Recom.	
TRANSMISSION - OPTIONAL			
Model	CARRARO 4WD TLB1		
Type	Power Shuttle with 4 forward and 4 reverse travel speeds		
FRONT AXLE			
2 WHEEL DRIVE - STANDARD			
Model	CNH PS1300		
Type	Steering		
4 WHEEL DRIVE - OPTIONAL			
Model	Carraro 26.17		
Type	Steering		
REAR AXLE			
Make & Model	CARRARO 28.32M		
Type	Rigid		
BRAKES			
SERVICE BRAKES			
Type	Wet multi-discs		
No. of discs	6		
PARKING BRAKES			
Type	Manual, with lever		
TYRE SIZE			
RECOMMENDED			
Standard - Front	9.0x16 - 16 PR		
Standard - Rear	16.9x28 - 12 PR		
Heavy duty - Front	12.5x18 - 12 PR		
Heavy duty - rear	14x25 - 20 PR		
HYDRAULIC SYSTEM			
Type	Gear pump		
Flow rate	123 lpm @2200 RPM	123 lpm @2200 RPM	151 lpm @2200 RPM
Pressure	190 Bar	210 Bar	210 Bar

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STEERING	770EX	770EX MAGNUM	851EX
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		
LOADER BUCKETS			
Capacity(GP/BDB)	1.1/ 1.0	1.1/ 1.0	1.2/ 1.0
Width	2.3 m	2.3 m	2.3 m
Weight	470 kg	470 kg	485 kg

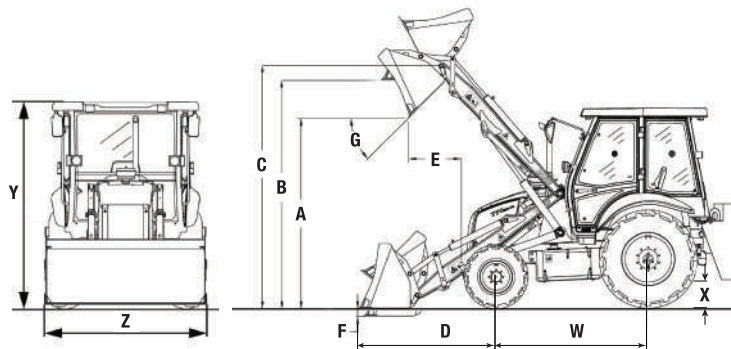
OPTIONAL BUCKETS

	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

SERVICE CAPACITIES

Engine oil	9.1 Ltr
Transmission oil	16 Ltr
Rear Axle oil	18 Ltr
Hydraulic oil	110 Ltr
Fuel tank	129 Ltr
Coolant.....	20 Ltr

GENERAL DIMENSIONS



LOADER	770EX	770EX MAGNUM	851EX
A Dump height	2.7 m	2.7 m	2.7 m
B Load over height	3.3 m	3.3 m	3.3 m
C Hinge pin height	3.6 m	3.6 m	3.6 m
D Reach at ground	2.0 m	2.0 m	2.1 m
E Reach at full height-bucket dumped	0.8 m	0.8 m	0.9 m
F Below ground level-dig depth	0.1 m	0.1 m	0.1 m
G Dump angle	45°	45°	45°
Loader bucket breakout force	5720 kgf	6570 kgf	6570 kgf
Bucket capacity	1.1 Cum.	1.1 Cum.	1.2 Cum.
Pay load	1925 kg	1925 kg	2050 kg
Maximum lifting capacity @ max height	3425 kg	3700 kg	3700 kg

BOTTOM DUMP BUCKET

This multipurpose bucket is ideal for 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 Cum.
Dump height	2.7 m

OVERALL DIMENSIONS AND WEIGHTS

Overall operating weight	7350 kgs
W Wheel base	2.2 m
X Minimum ground clearance	0.4 m
Y Overall height (Transport)	2.8 m
Z Width over bucket (Transport)	2.3 m

EXCELLENT FUEL EFFICIENCY - FPT S8000 ENGINE

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.



EASY MAINTENANCE

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 machines. To improve serviceability, the machine layout has been optimized to provide an easy access to all main components.

STRONGER PRODUCT SUPPORT SOLUTIONS

Your CASE dealer knows best how you can maximize your equipment investment and uptime—with genuine CASE parts, expert service and a complete range of product support solutions. CASE supports better parts availability and faster deliveries through a network of parts distribution center and dealers spread across the length and breadth of the Indian subcontinent, to ensure that the right parts will be there when you need them.



EAGLE EYE TELEMATICS

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



STANDARD

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

OPTIONALS

- 4 Wheel Drive (4X4 Traction)
- Heavy Duty Tyres (14X25-20PR)
- Bottom Dump Bucket (6 in 1 operation)
- EAGLE EYE Telematics Solution
- Wood Log Grapple

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NOTE: CASE provides specific outfits for various countries and many optional fittings (OPT). The illustrations on this or other leaflets may relate to standard or optional fittings. Please consult your CASE dealer for any information in this regard and any possible updating on components. CNH Industrial reserves the right to modify machine specifications without incurring any obligation relating to such changes. Disclaimer: 2.5% variation on parameters may occur and is acceptable by the industry norms

