

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

**CASE**  
CONSTRUCTION



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NEW EX SERIES**

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**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 <sup>st</sup>	6.2		7.4		
2 <sup>nd</sup>	10		12		
3 <sup>rd</sup>	20.7		Not Recom.		
4 <sup>th</sup>	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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## SPEC SHEETS

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	

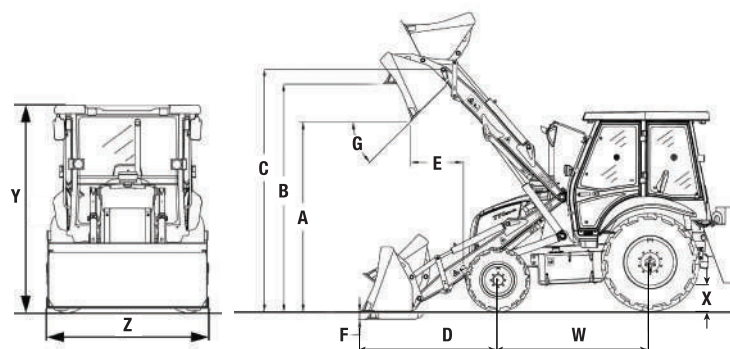
### OPTIONAL BUCKETS

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

<b>Overall operating weight</b>	7711 kgs
<b>W Wheel base</b>	2.2 m
<b>X Minimum ground clearance</b>	0.4 m
<b>Y Overall height (Transport)</b>	2.8 m
<b>Z Width over bucket (Transport)</b>	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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