



# LOADER BACKHOE 770FX PLUS

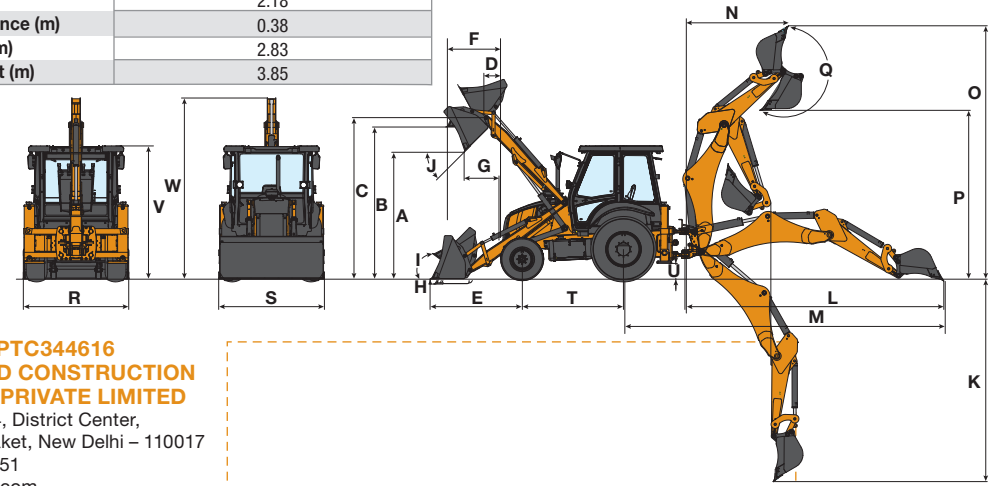


**4000  
HOUR**  
HYDRAULIC  
OIL  
CHANGE INTERVAL

ENGINE	FPT
Engine Model	F5HFL463A*W
Cylinders	4
Engine Displacement (L)	3.4
Engine Air Intake Type	Turbocharged
Fuel Injection	Electronic, Common Rail Direct Injection
Emission level	Tier 4B/ CEV BS-IV (India)
Max. Gross Power (kW/hp) @2200 rpm (ISO 14396)	55 /74
Max. Gross Torque (Nm) @1400 - 1500 rpm (ISO 14396)	325
After Treatment	DOC Only
HYDRAULIC SYSTEM	
System Type	Open Centre
Pump Type	Variable Displacement
Pump Flow (lpm) @rated rpm	143
System Relief Pressure (bar)	210
LOADER GENERAL DIMENSIONS	
A - Dump Height (m)	2.73
B - Load Over Height (m)	3.30
C - Hinge Pin Height (m)	3.60
D - Hinge Pin Forward Reach (m)	0.24
E - Reach at Ground (m)	1.98
F - Max. Reach at Full Height (m)	1.19 (2WD), 1.15 (4WD)
G - Max. Reach at Full Height-Bucket Dumped (m)	0.76
H - Below Ground Level-Dig Depth (m)	0.11
I - Rollback at Ground (degree)	33
J - Dump Angle (degree)	45
Bucket Capacity Std. (m <sup>3</sup> )	1.1
Bucket Breakout Force (kgf/ kN)	6250/ 61.3
Loader Arm Breakout Force (kgf/ kN)	5115/ 50.2
Max. Lifting Capacity @Max. Height	3700
BACKHOE GENERAL DIMENSIONS	
Dipper Configuration	4.6 m (15ft)
K - Max. Dig Depth (m)	4.70
L - Reach Ground Level to Swing Center (m)	5.90
M - Reach-Ground Level to Rear Wheel Centre (m)	7.23
N - Reach at Full Height to Slew Centre (m)	2.34
O - Max. Working Height (m)	5.70
P - Max. Load Over Height (m)	3.80
Bucket Capacity (m <sup>3</sup> )	0.30
Q - Bucket Rotation (degree)	204
Bucket Breakout Force (kgf/ kN)	5616 / 55.1
Dipper Tearout Force (kgf/ kN)	3780/ 37.1
Max. Lift Capacity (kg)	1530
Safe Working Load (kg) @3.2m Radius	1100
OVERALL DIMENSIONS AND WEIGHTS	
Max. Operating Weight (kg)	7920
Transport Length (m)	5.96
R - Width Over Stabilizer (m)	2.27
S - Width Over Bucket (m)	2.30
Track Width- Rear (m)	1.70
Track width- Front (m)	1.88 (2WD), 1.90 (4WD)
T - Wheelbase (m)	2.18
U - Minimum Ground Clearance (m)	0.38
V - Height to Top of Cabin (m)	2.83
W - Overall Transport Height (m)	3.85

SERVICE CAPACITIES	
Engine oil (L) - System	9.1
Front Axle - 4WD (L)	8.9
Rear Axle (L)	17.1
Hydraulic oil (L) - System	107
Hydraulic oil (L) - Replacement/interval*	80 @ 4000 hrs
Transmission Oil Capacity (L) - System	18-2WD, 20-4WD
Fuel Tank (L)	129
Coolant (L)	20
POWER TRAIN	
Power Train Type	Power Shuttle with TC
Transmission Make and Model	CARRARO 2WD/4WD TLB1
AXLE	
Rear	CARRARO 28.32M
Front	CARRARO 28.32M (2WD)
Front Axle Oscillation (degree)	±21 (2WD), ±16 (4WD)
STEERING	
Type	Power Steering
System Pressure (bar)	140
Pump Displacement (cc)	125
Turning Circle Outside Bucket-Braked (m)	9.2 (2WD), 9.8 (4WD)
Turning Circle Outside Bucket-Not Braked (m)	11.1 (2WD), 11.2 (4WD)
BRAKES	
Service	Wet Multi Discs, 4 Discs
Parking	Manual with Lever
TYRE	
2WD - Standard - Front	9.0 x 16 - 16 PR
2WD - Standard - Rear	16.9 x 28 - 12 PR
2WD - Heavy Duty - Rear	14.0 x 25 - 20 PR
4WD - Heavy Duty - Front	12.5 x 18 - 12 PR
4WD - Standard - Rear	16.9 x 28 - 12 PR
ELECTRICAL SYSTEM	
Battery	12 volts, 110 Ah
TRAVEL SPEED	
Forward (1st/2nd/3rd/4th) (km/ hr)	5.7/9.1/19.5/34.9
Reverse (1st/2nd/3rd/4th) (km/ hr)	7.0/11.2/23.8/NR
OPTIONAL EQUIPMENT	
Cabin	HVAC
Drive	4WD
Fenders	Front in 4WD
Loader Bucket	Bottom Dump Bucket
Dipper	Extendahoe
Counterweight	Light/Heavy/NC
Dipper Option	14ft & 15ft (4.3 m & 4.6 m)
Tyre	Heavy Duty

\*T&C apply



CIN: U29240DL1998PTC344616  
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NOTE: Standard and optional fittings can vary according to the demands and specific regulations of each country. The illustrations may include optional rather than standard fittings - consult your CASE dealer. Furthermore, 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.

# MAIN REASONS TO CHOOSE 770FX PLUS



## A LEGACY OF HIGH PERFORMANCE

Efficient CEV-IV compliant FPT engine with high power and torque density coupled with proven transmission, provides best-in-class dozing, stockpiling and travel capability.



## IMPROVED OPERATOR STATION

Electronic hand throttle and foot accelerator pedal, increased storage spaces, one touch idle, intuitive side cluster, electrical side shift, comfortable and multi-adjustable operator seat in a spacious world-class cabin improve productivity for every operator.



## HIGH VISIBILITY

Sloping bonnet, new side quarter windows, newly positioned work lamps and New-Gen Low Glare Cabin interiors improve all around visibility.



## FAST LOADING CYCLE

The improved FNR lever location supports fast directional change, improving site manoeuvrability and productivity. Improved fill factor with Spill-proof bucket.



## CASE DNA "S'TYLED BACKHOE"

The new backhoe represents the continuity of CASE DNA. The S'tyled boom provides higher reach and better digging depth.



## BIGGER AND BETTER

With the new FX series you can reach further and dig more per cycle. The backhoe offers class leading forces, various bucket sizes and dipper options. Standard lifting hook for material handling like pipe laying, towing etc. More than 25 attachment options for added versatility, bucket options from 0.08 to 0.30 m<sup>3</sup>

## NEW GENERATION HYDRAULICS

### Variable Displacement Pump

New generation hydraulics with VVP optimizes hydraulic oil flow as per load and improves fuel consumption up to 14%, which combined with ECO MODE and AUTO IDLE offer up to 20% better fuel economy and potential savings worth 2.2 lakh annually. It also offers faster cycle time compared to gear pump, thereby improving the productivity.

Up To **14%\***  
Fuel Savings With  
Variable Pump



Fx Plus Offers  
Up To **20%\***  
Fuel Savings



## STRAIGHT LOADER ARM

The CASE straight loader arm ensures better work visibility, loading performance and good site manoeuvrability. It also ensures less daily maintenance time.



## ENHANCED SAFETY

New age inclined pillar cabin provides better travel safety. Engine Protection Shutdown protects against unplanned breakdown and AV warning system makes operations safer.



## NEW WORLD CLASS CABIN

- The new-gen MID - Crystal clear gauges showing critical machine parameter
- Audio and visual warning system & Engine protection shutdown
- On-cluster controls - ECO mode, Auto idle, Electronic RPM knob, 2WD/4WD selector
- Mobile holder on right pillar with HVAC model
- 12V power socket and USB port, HVAC controls on the right
- New parking brake mechanism and Backhoe lever mounted horn
- Split and lockable buddy seat and comfortable operator seat
- Up to 21% higher storage spaces
- Optional HVAC with standard cabin fan