

FX SERIES LOADER BACKHOES



770FX | 851FX | 770FX Plus | 851FX Plus

BS4
CEV



4WD

COOL
PLUS

MODEL	770FX	770FX+	851FX/ FX CP	851FX+/ FX+ CP
ENGINE			FPT	
Engine Model	F5HFL463A*W		F5BFL413A*W	
Emission Compliant	Tier 4B			
Engine Displacement (L)	3.4			
Engine Air Intake Type	Turbocharged			
Engine Gross Power @2200 rpm	55 kW (74 hp)		72 kW (97 hp)	
Engine Max. Torque @1400 rpm (Nm)	325 Nm		453 Nm	
HYDRAULIC SYSTEM				
System Type	Open Centre		Closed Centre	
Pump Type	Gear	Variable Displacement	Gear	Variable Displacement
Pump Flow (lpm) @rated rpm	123	143	154	156
System Relief Pressure (bar)	195	210		
LOADER GENERAL DIMENSIONS				
A - Dump Height (m)	2.73		2.66	
B - Load Over Height (m)	3.3			
C - Hinge Pin Height (m)	3.6			
D - Hinge Pin Forward Reach (m)	0.24			
E - Reach at Ground (m)	1.98		2.08	
F - Max. Reach at Full Height (m)	1.19 (2WD), 1.15 (4WD)			
G - Max. Reach at Full Height-Bucket Dumped (m)	0.76		0.84	
H - Below Ground Level-Dig Depth (m)	0.11			
I - Rollback at Ground (degree)	33			
J - Dump Angle (degree)	45			
Bucket Capacity Std. (m³)	1.1		1.2	
Bucket Breakout Force (kgf/ kN)	5805/ 56.9	6250/ 61.3	5520 / 54.1 6250 / 61.29 (BDB)	
Loader Arm Breakout Force (kgf/ kN)	4750/ 46.6	5115/ 50.2	4937/ 48.4 5115/ 50.2 (BDB)	
Max. Lifting Capacity @Max. Height	3515		3700	
BACKHOE GENERAL DIMENSIONS				
Dipper Configuration	4.3 m (14ft)		4.6 m (15ft)	
K - Max. Dig Depth (m)	4.40		4.70	
L - Reach Ground Level to Swing Center (m)	5.62		5.90	
M - Reach-Ground Level to Rear Wheel Centre (m)	6.95		7.23	
N - Reach at Full Height to Slew Centre (m)	2.10		2.34	
O - Max. Working Height (m)	5.5		5.7	
P - Max. Load Over Height (m)	3.8			
Bucket Capacity (m³)	0.26		0.30	
Q - Bucket Rotation (degree)	204			
Bucket Breakout Force (kgf/ kN)	5206 / 51.0		5616 / 55.1	
Dipper Tearout Force (kgf/ kN)	3031/ 29.72		3780/ 37.1	
Max. Lift Capacity (kg)	1330		1530	
Safe Working Load (kg) @3.2m Radius	1000		1100	
OVERALL DIMENSIONS AND WEIGHTS				
Max. Operating Weight (kg)	7600	7920	8100	
Transport Length (m)	5.88	5.96	6.06	
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
Rear Axle (L)	17.1
Hydraulic Oil (L) - System/ Replacement	107
Transmission Oil (L) - System	18-2WD, 20-4WD
DEF Tank Capacity (L)	21 (851FX/FX+)
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) CNH PS1300 (4WD)
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

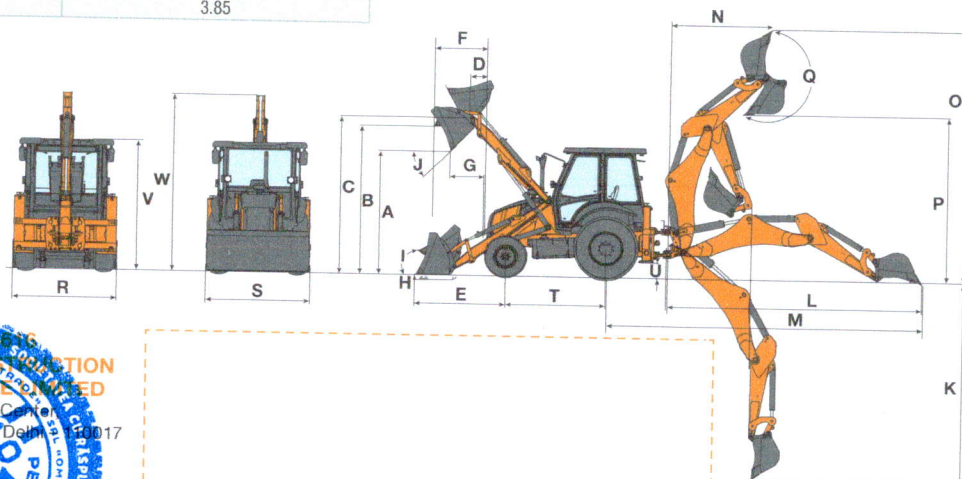
Battery	12 volts, 110 Ah
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TRAVEL SPEED

Forward (1st/2nd/3rd/4th) (km/ hr)	770FX/FX+: 5.7/9.1/19.5/34.9 851FX/FX+: 6.2/10.0/20.7/39.2
Reverse (1st/2nd/3rd/4th) (km/ hr)	770FX/FX+: 7.0/11.2/23.8/NR 851FX/FX+: 7.4/12.0/24.8/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)
Dipper Cylinder Diameter (mm)	110 - 770FX 125 - 770FX+
Tyre	Heavy Duty



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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 for the details. 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