



**CASE**  
CONSTRUCTION

# EX SERIES LOADER BACKHOES



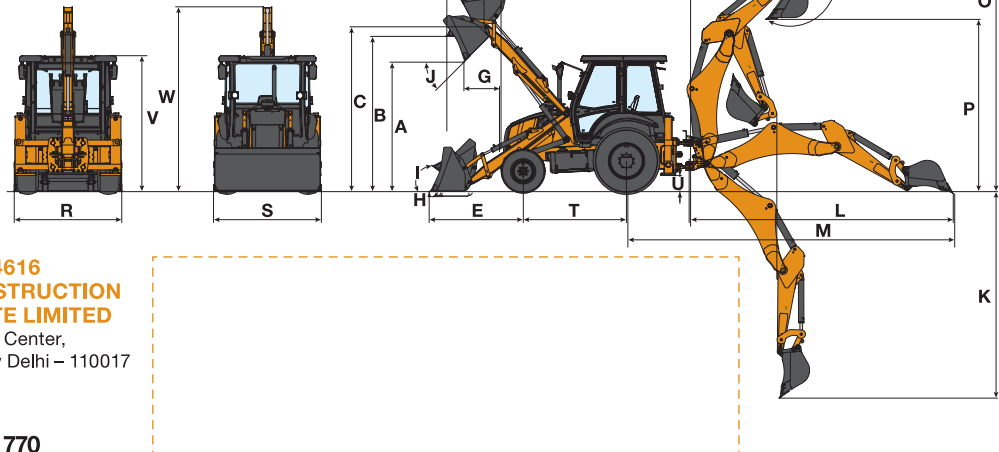
770EX | 770EX Plus



**4000  
HOUR**  
HYDRAULIC  
OIL  
CHANGE INTERVAL

MODEL	770EX	770EX Plus
<b>ENGINE</b>		
Brand	Ashok Leyland	
Model	H4C4E7422*W	
Cylinders	4	
Displacement (L)	3.84	
Air intake	Turbocharged Intercooled	
Fuel injection	Electronic, Common Rail Direct Injection	
Emission level	Tier 4B/ CEV BS-IV (India)	
Max. gross power (kW/hp) @2200 rpm (ISO 14396)	54.4/ 74	
Max. gross torque (Nm) @1400 - 1500 rpm (ISO 14396)	340	
After treatment	DOC Only	
<b>LOADER GENERAL DIMENSIONS</b>		
A - Dump height (m)	2.73	
B - Load over height (m)	3.3	
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)	5805/ 56.9	6250/ 61.29
Loader arm breakout force (kgf/ kN)	4750/ 46.6	5115/ 50.2
Max. pay load (kg)	1925	1925
Max. lifting capacity @ max height	3515	3700
<b>BACKHOE GENERAL DIMENSIONS</b>		
Dipper Configuration	14ft (4.3m)	15ft (4.6m)
K - Max. dig depth (m)	4.40	4.70
L - Reach ground level to swing center (m)	5.625	5.895
M - Reach-ground level to rear wheel center (m)	6.95	7.22
N - Reach at full height to slew center (m)	2.15	2.40
O - Max. working height (m)	5.5	5.7
P - Max. load over height (m)	3.8	
Bucket capacity (m <sup>3</sup> )	0.26	0.30
Q - Bucket rotation (degree)	204	
Bucket breakout force (kgf/ kN)	5206/ 51.0	5616/ 55.1
Dipper tear out force (kgf/ kN)	3031/ 29.72	3780/37.1
Max. lift capacity (kg)	1464	1545
Safe working load (kg) @3.2m radius	1150	1400
<b>OVERALL DIMENSIONS AND WEIGHTS</b>		
Max operating weight (kg)	7780 (Std+2WD) 7840 (Std+4WD) 7975 (BDB+4WD)	7955 (Std+2WD) 8015 (Std+4WD) 8150 (BDB+4WD)
Transport length (m)	5.88	
R - Width over stabilizer (m)	2.27	
S - Width over bucket (m)	2.27	
Track width - Rear (m)	1.70	
Track width - Front (m)	2WD - 1.88/ 4WD - 1.90	
T - Wheelbase (m)	2.18	
U - Minimum ground clearance (m)	0.38	
V - Height to top of cabin (m)	2.88	
W - Overall transport height (m)	3.85	
<b>ELECTRICAL SYSTEM</b>		
Battery	12 volts, 110 Ah	

\*T&C apply



CIN: U29240DL1998PTC344616

**CASE NEW HOLLAND CONSTRUCTION  
EQUIPMENT (INDIA) PRIVATE LIMITED**

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<b>HYDRAULIC SYSTEM</b>		
System type	Open Center Load Sensing	
Hydraulic type	Twin Gear Pump	Variable Displacement
Pump flow (lpm)	126	146
System relief pressure (bar)	195	210
<b>SERVICE CAPACITIES</b>		
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	
<b>DRIVETRAIN</b>		
Power train type	4F-4R Power Shuttle Synchromesh Transmission	
Transmission make and model	CARRARO 2WD/4WD TLB1	
<b>AXLE</b>		
Rear	CARRARO 28.32M	
Front	CNH PS1300 (2WD) CARARRO/NH 26.17M (4WD)	
Front axle oscillation (degree)	±21 (2WD) ±16 (4WD)	
<b>STEERING</b>		
Type	Power Steering	
System pressure (bar)	140	
Pump displacement (cc)	125	
Turning circle diameter outside bucket - Braked (m)	9.2 (2WD), 9.8 (4WD)	
Turning circle diameter outside bucket - Not braked (m)	11.1 (2WD), 11.2 (4WD)	
<b>BRAKES</b>		
Service	Hydraulic foot operated, 2 disc per side	
Parking	Mechanically actuated caliper type brake pack on rear axle input shaft	
<b>TYRE</b>		
HD tyre - Front - Optional	12.5x18 -12PR	
Standard tyre - Front	9x16 -16PR	
Standard tyre - Rear	16,9x28 -12PR	
<b>TRAVEL SPEED</b>		
Forward (1st/2nd/3rd/4th) (kmph)	EX : 5.8/9.3/19.5/34.1 EX+ : 5.8/9.3/19.5/35.0	
Reverse (1st/2nd/3rd/4th) (kmph)	EX/ EX+ : 6.8/10.8/22.1/NR	
<b>OPTIONAL EQUIPMENT</b>		
Cabin	HVAC	
Drive	4WD	
Loader bucket	Bottom dump bucket	
Dipper	Extendahoe - extends by 1.0m	
Dipper cylinder dia. (mm)	110 - 770EX/ 125 - 770EX+	
Dipper option	14ft (4.3 m) & 15ft (4.6 m)	
Tyre	Heavy duty	

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.