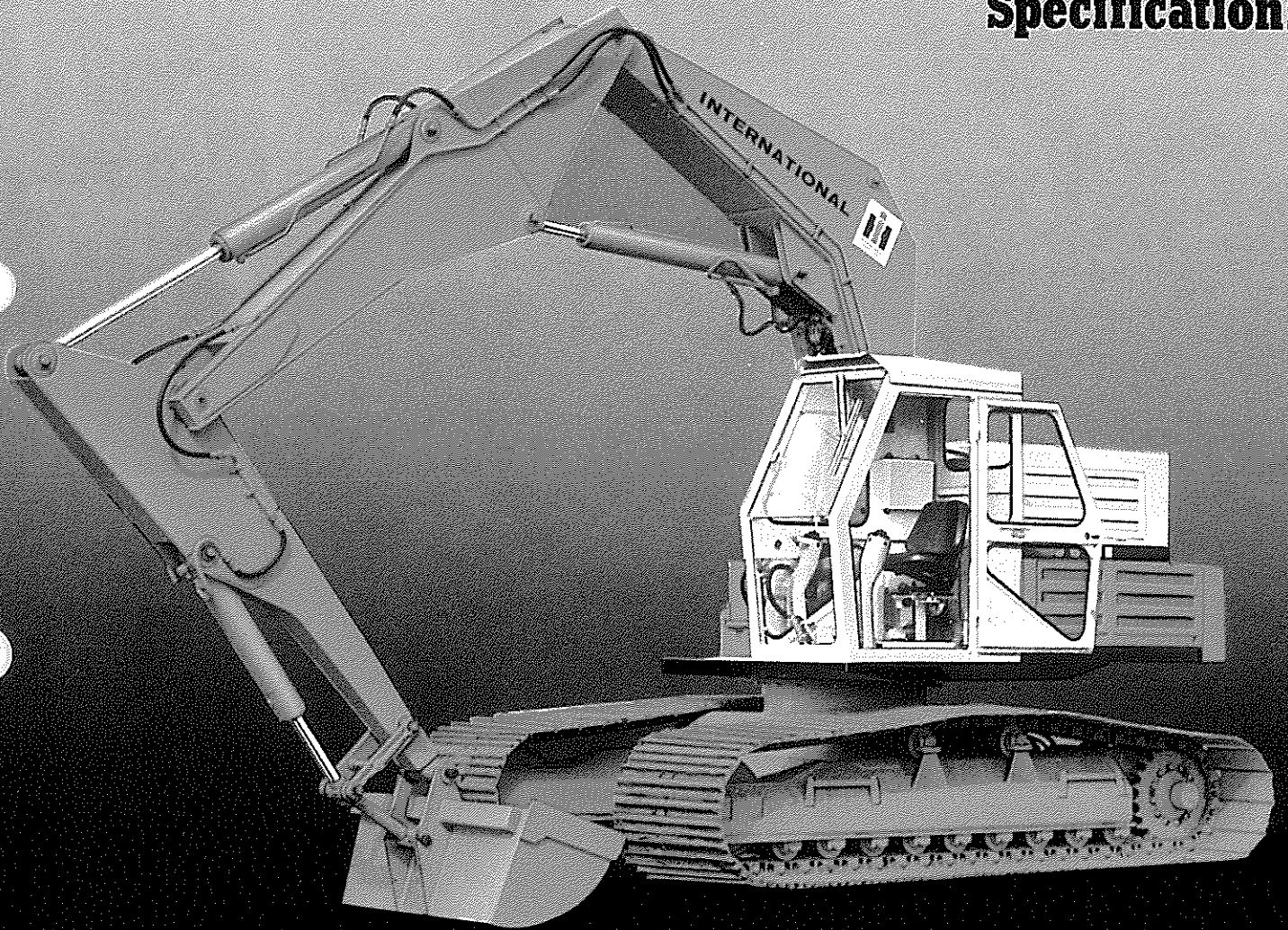


3964B-LGP

PAY. hoe Excavator Specifications



International[®]

3964B-LGP PAY.hoe Excavator

ENGINE:

Make and Model International D-358
 Type 4 cycle diesel, water cooled,
 naturally aspirated, direct injection
 Power rating @ 2500 rpm governed speed
 *Rated kW (hp) 82 (110)
 **Flywheel kW (hp) 76 (103)
 Max. torque
 N·m (ft·lb) 359 (265)
 rpm 1600
 Bore and stroke, mm (in) 98.4 x 128.5
 (3.875 x 5.062)
 No. of cylinders 6
 Displacement, litre (cu in) 5.86 (358)
 Electrical system 12V w/heavy duty alternator
 Air cleaner Dry type with primary and
 safety elements and restriction indicator

*Rated horsepower output of standard engine complete with
 water pump, lubricating oil pump and fuel pump under SAE
 standard ambient temperature and barometric conditions of
 99.2 kPa and 29.4°C (29.33" Hg and 85°F)

**Flywheel horsepower output of standard engine as indicated
 in this vehicle with addition of fan, air cleaner and alternator.

HYDRAULIC SYSTEM:

Pumps: Gear type, tandem
 Max. flow, lpm (gpm) 296 (78)
 Max. pressure, MPa (psi) 15.5 (2250)
 Valves: Stack type, lpm (gpm) 18.1 (50)
 Reservoir capacity, l(gal) 110 (29)
 System capacity, l(gal) 200 (53)
 Filtration—Full flow return line, reusable,
 40 micron filter *
 Cylinders (double acting)—hardened chrome
 plated piston rods
 Lift
 Bore & Stroke, mm (in) 160 x 1260 (6.3 x 49.6)
 Bucket
 Bore & Stroke, mm (in) 130 x 780 (5.1 x 30.6)
 Crowd
 Bore & Stroke, mm (in) 130 x 1237 (5.1 x 48.6)
 Cylinder Thrust
 Lift, N (lb) 305200 (68607)
 Bucket, N (lb) 200000 (44960)
 Crowd, N (lb) 200000 (44960)
 Oil Cooler Double Circulation
 Air flow capacity, m³/sec (cfm) 1 (2100)
 Surface area, m² (in²) 0.25 (388)

TRAVEL AND SWING MOTORS:

International built, independent, hydrostatic
 self-braking axial piston type.
 No. of pistons, each motor 7
 Output torque, N·m (ft lb)
 Swing 1077 (794)
 Travel 1470 (1084)

SWING SYSTEM:

Max. speed, rpm 8
 Max. torque, N·m (ft lb) 25160 (18555)
 Turntable bearing double cross roller
 Diameter, m (in) 1.20 (47.25")
 Internal ring gear, no. of teeth 97

UNDERCARRIAGE:

Severe duty crawler; Lifetime sealed E-4
 components. Front and rear tow rings.
 Track gauge, mm (in) 2090 (82.3)
 Track on ground, m (ft) 3.35 (11')
 Overall length, m (ft) 4.15 (13'7")

	Grouser Width mm (in)	Overall Width m (ft)	Ground Pressure MPa (psi)	Additional Weight kg (lb)
Std.	500 (19.7)	2.59 (8'6")	.0375 (5.35)	—
Opt.	600 (23.6)	2.69 (8'10")	.0320 (4.54)	306 (673)
Opt.	700 (27.6)	2.79 (9'2")	.0280 (4.00)	612 (1346)
Opt.	850 (33.5)	2.94 (9'8")	.0235 (3.35)	1122 (2470)
Opt.	950 (37.6)	3.14 (10'4")	.0215 (3.08)	1428 (3141)

For wider track shoes, consult PayLine Sales
 Engineering

No. of rollers, per side 9
 No. of top idlers per side 2
 No. of pads per side 51
 Total undercarriage, weight, kg (lb) 6500 (14300)
 Max. travel speed, km/h (mph) 2.0 (1.25)
 Max. gradeability 70%
 Max. drawbar pull, N (lb) 107250 (24112)

CAB AND CONTROLS:

Adjustable suspension seat
 Battery disconnect switch
 Heater and defroster
 Hourmeter
 Horn
 Mechanical foot pedals for travel control.
 Oil pressure and water temperature gauges
 Pilot operated hydraulic joysticks for swing and
 dig circuits.
 Roof mounted working light
 Swing lock
 Tool box
 Windshield wiper

GENERAL SPECIFICATIONS:

Counterweight, kg (lb) 1800 (3960)
 Bucket digging force, N (lb) 74370 (17600)
 Operating weight, kg (lb)
 3964B-LGP with 500 mm (19.7") track shoes,
 monobloc boom, 3.05 m (10') dipperstick and
 8.50 mm (33.5") bucket 14476 (31850)
 3964B-LGP with 500 mm (19.7") track shoes,
 10.52 m (34'6") ditch cleaning attachment
 and 1700 mm (5'7") ditch cleaning
 bucket 14773 (32500)

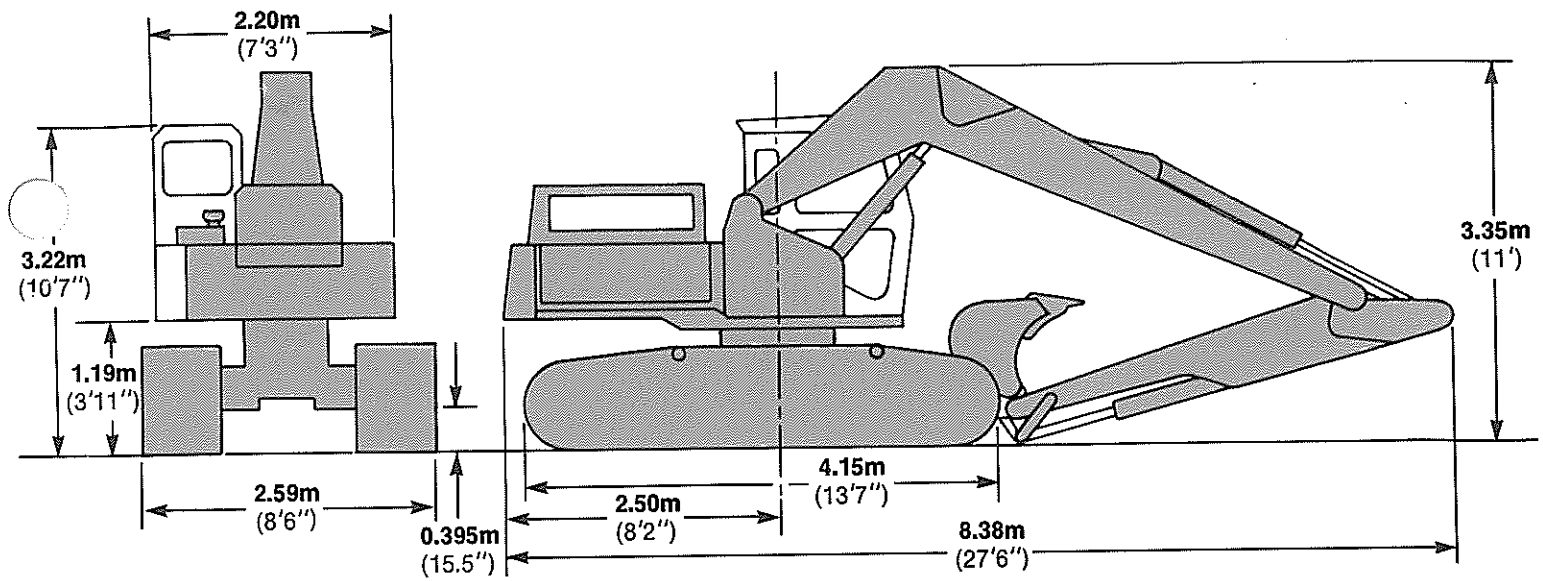
CAPACITIES:

Alternator, amps 55
 Battery capacity, amp hour 224
 Fuel tank, l (gal) 130 (34.3) std.; 215 (57) opt.
 Cooling, l (gal) 34 (9)
 Engine oil, l (gal) 13 (3.7)

OPTIONAL EQUIPMENT:

EXCAVATING BUCKETS (not for use with long reach
 ditch cleaning attachment)

Width mm (in)	Heaped Capacity m ³ (yd ³)	Weight kg (lb)
450 (17.7)	0.20 (0.26)	240 (528)
550 (21.7)	0.24 (0.31)	280 (616)
650 (25.6)	0.28 (0.37)	330 (726)
850 (33.5)	0.39 (0.51)	385 (847)
1000 (39.4)	0.46 (0.60)	440 (968)
1150 (45.3)	0.58 (0.76)	470 (1034)



Lift Capacity — Kg (lb)

This lifting capacity chart indicates the lifting capacity of a 3964B-LGP equipped with a monobloc boom, 3.05 m (10') dipperstick, 700 mm (27.6") track shoes, and an 850 mm (33.5") bucket weighing 386 kg (850 lbs). All

figures conform to PCSA No. 3 standards and do not exceed 87% of machine hydraulic capacity or 75% of the machine tipping load.

Elevation m (ft)		Reach m (ft)							
		3.05 (10')		4.57 (15')		6.10 (20')		7.62 (25')	
		End	Side	End	Side	End	Side	End	Side
4.57 (15')	boom								
	crowd								
3.05 (10')	boom					1650 (3630)	1650 (3630)	1450 (3190)	1400* (3080)*
	crowd					2950 (6490)	2100* (4620)*	1850 (4070)	1400* (3080)*
1.52 (5')	boom	4200 (9240)	4200 (9240)	2600 (5720)	2600 (5720)	1900 (4180)	1900 (4180)	1600 (3520)	1350* (2970)*
	crowd	4550 (10010)	4550 (10010)	4500 (9900)	3100* (6820)*	3000* (6600)*	1950* (4290)*	2050* (4510)*	1350* (2970)*
Ground Level	boom	4750 (10450)	4750 (10450)	2950 (6490)	2900* (6380)*	2150 (4730)	1850* (4070)*	1700 (3740)	1250* (2750)*
	crowd	3750 (8250)	3750 (8250)	4600* (10120)*	2900* (6380)*	2850* (6270)*	1850* (4070)*	1950* (4290)*	1250* (2750)*
-1.52 (5')	boom	4900 (10780)	4900 (10780)	3150 (6930)	2800* (6160)*	2250 (4950)	1800* (3960)*		
	crowd	4900 (10780)	4900 (10780)	4500* (9900)*	2800* (6160)*	2800* (6160)*	1800* (3960)*		
-3.05 (10')	boom	4600 (10120)	4600 (10120)	3050 (6710)	2800* (6160)*				
	crowd	7400 (16280)	5400* (11880)*	4500* (9900)*	2800* (6160)*				
-4.57 (15')	boom	3600 (7920)	3600 (7920)						
	crowd	6250 (13750)	5600* (12320)*						

*Each figure followed by an asterick indicates that lift capacity is limited by stability rather than hydraulic capacity. The figures should not be exceeded.

ADDITIONAL OPTIONAL EQUIPMENT:

Anti-vandalism package.
Chain guides.

DITCH CLEANING BUCKETS:

Width mm (in)	Radius mm (in)	Heaped Capacity m ³ (yd ³)	Weight kg (lb)
1400 (55)	500 (19.7)	0.28 (0.37)	280 (616)
1700 (67)	500 (19.7)	0.33 (0.43)	310 (680)
2000 (79)	670 (26.4)	0.59 (0.77)	460 (1012)

Ether start kit.

Monobloc boom and 2.6 m (8'6") or 3.05 m (10') dipperstick.

Multi-purpose boom with tool boom and adjustable 2.44 m (8') dipperstick.

Multi-purpose boom with 9.04 m (29'8") or 10.52 m (34'6") long reach ditch cleaning attachment.

Swivel joint guard.

7th valve and linkage for additional hydraulic circuit.

215 l (56.7 gal) fuel tank.

Ripper hook.

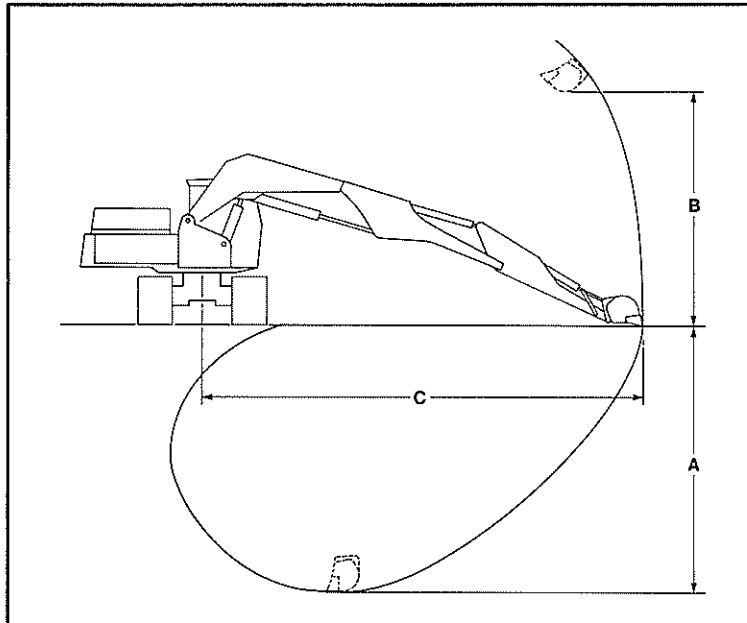
Roller guards

3964B-LGP PAY. hoe Excavator

Monobloc Boom

3.05 m (10') Dipperstick 2.6 m (8'6") Dipperstick

A — 8.60 (28'2")	8.25 (27')
B — 6.20 (20'4")	5.75 (18'10")
C — 6.45 (21'2")	6.55 (21'6")
D — 4.80 (15'8")	4.85 (15'11")
E — 2.35 (7'8")	2.75 (9')



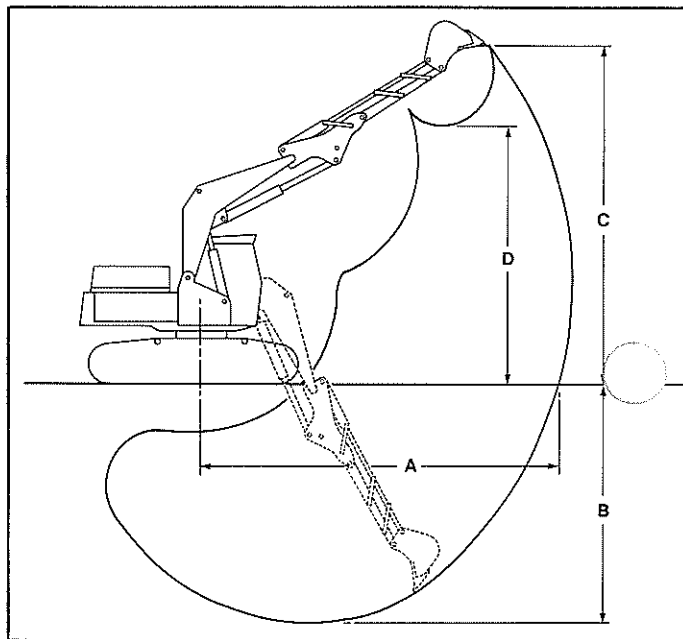
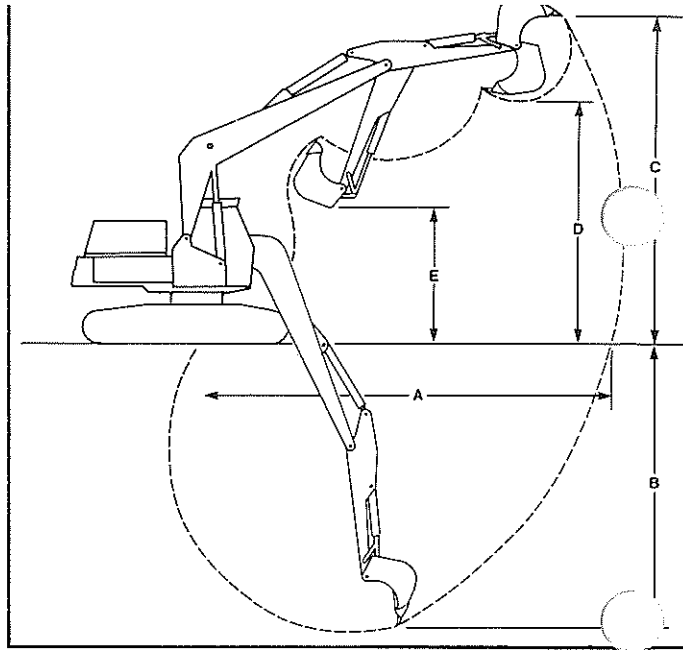
Long Reach Ditch Cleaning Attachment

	Short Dipperstick m (ft)	Long Dipperstick m (ft)
A. Digging depth	6.70 (22')	8.10 (26'7")
B. Dumping clearance	5.05 (16'7")	5.70 (18'8")
C. Ground level reach	9.04 (29'8")	10.52 (34'6")

Specifications subject to change without notice. Illustrations may include optional equipment and accessories and may not include all standard equipment. PAY is a registered trademark of International Harvester Company designating a family of IH products.



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Multipurpose Boom

	Dipperstick Extended m (ft)	Dipperstick Retracted m (ft)
A	8.05 (26'5")	6.80 (22'4")
B	5.43 (17'10")	4.21 (13'10")
C	7.31 (24')	6.70 (22')
D	5.72 (18'9")	5.11 (16'9")

PAY LINE GROUP