

SPECIFICATION GUIDE

GRADALL®

EXCAVATORS

HIGHWAY • CRAWLER • ROUGH TERRAIN





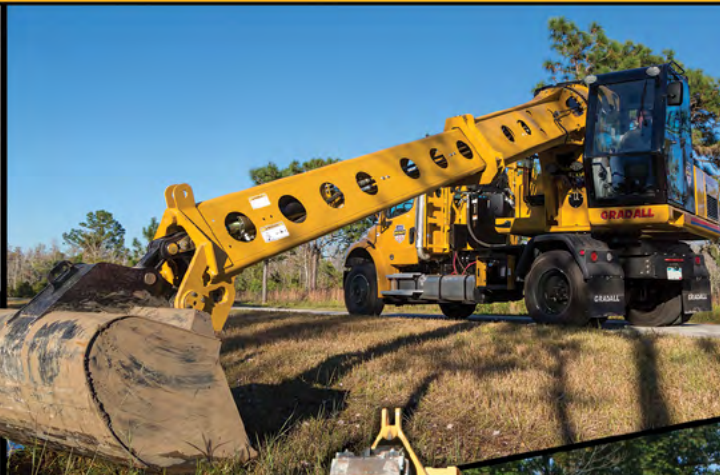
DISCOVERY SERIES excavators by Gradall are the cost-effective solution for governments and contractors who need to get to jobs faster ... complete many different jobs with fewer workers and machines ... while staying within a tight equipment budget. Available in two-wheel or four-wheel-drive, Discovery Series models feature the famous telescoping, tilting Gradall boom as well as a Freightliner truck chassis.



SERIES V EXCAVATORS feature an upgrade to Tier 4-final compliant diesel engines by Volvo Penta, meeting stringent government emissions standards. These XL Series excavators are proven performers for contractors and governments, putting rugged Gradall booms to work on high performance excavation, demolition, loading and unloading as well as finished grading and spreading rip-rap.



GRADALL®



★ GRADALL ★

DISCOVERY

SERIES

HIGHWAY SPEED

GRADALL

OPERATING RANGE & PERFORMANCE

- Max. Digging Depth
- Max. Radius at Groundline
- Max. Loading Height
- Max. Work Hgt., (Boom below grade)
- Boom Telescope
- Boom Tilt
- Bucket Pivot Angle
- Rated Boom Force
- Rated Bucket Breakout Force
- Max. Lift Capacity
- Operating Weight
- Swing Clearance

WEIGHTS & DIMENSIONS

- Transport Length w/ Bucket
- Transport Height w/ Bucket
- Transport Width w/ Bucket
- Drive
- Gross Vehicle Axle Rating

UNDERCARRIAGE

- Wheelbase
- Engine Standard
- HP @ RPM
- Travel Speed
- Ground Clearance

ATTACHMENTS

- Trenching Buckets
- Excavating Buckets
- Ditch Cleaning Buckets
- Dredging Buckets
- Pavement Removal Buckets
- Grading Blades
- Telestick
- Boom Extensions
- Flail Mowers
- Rotary Mowers
- Hydraulic Hammers
- Grapples



D EXCAVATORS

	D 172	D 174
	13' 6" (4.1 m)	13' 0" (4.0 m)
	24' 11" (7.6 m)	24' 9" (7.5 m)
	16' 4" (5.0 m)	16' 10" (5.1 m)
	14' 1" (4.3 m)	14' 7" (4.5 m)
	10' 3" (3.1 m)	10' 3" (3.1 m)
	220°	220°
	165°	165°
	16,387 lb (72.9 kN)	16,387 lb (72.9 kN)
	11,400 lb (50.7 kN)	11,400 lb (50.7 kN)
	5,490 lb (2,490 kg)	5,490 lb (2,490 kg)
	32,200 lb (14,600 kg)	34,500 lb (15,650 kg)
	6' 7" (2.0 m)	6' 7" (2.0 m)
	27' 1" (8.3 m)	27' 1" (8.3 m)
	12' 3" (3.7 m)	12' 9" (3.8 m)
	8' 6" (2.6 m)	8' 6" (2.6 m)
	4 x 2	4 x 4
	37,320 lb (16,928 kg)	36,200 lb (16,420 kg)
	15' 10" (4.8 m)	15' 10" (4.8 m)
	Cummins ISB 6.7	Cummins ISB 6.7
	300/2600	300/2600
	60 mph (97 kph)	60 mph (97 kph)
	10" (254 mm)	10" (254 mm)
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D 172

32,200 lb (14,600 kg)
24' 11" (7.6 m) reach
13' 6" (4.1 m) dig depth

D 174

34,500 lb (15,650 kg)
24' 9" (7.5 m) reach
13' 0" (4.0 m) dig depth





HIGHWAY SPEED

GRADALL



OPERATING RANGE & PERFORMANCE

- Max. Digging Depth
- Max. Radius at Groundline
- Max. Loading Height
- Max. Work Hgt., *(Boom below grade)*
- Boom Telescope
- Boom Tilt
- Bucket Pivot Angle
- Rated Boom Force
- Rated Bucket Breakout Force
- Max. Lift Capacity
- Operating Weight
- Swing Clearance

WEIGHTS & DIMENSIONS

- Transport Length w/ Bucket
- Transport Height w/ Bucket
- Transport Width w/ Bucket
- Drive
- Gross Vehicle Axle Rating

UNDERCARRIAGE

- Wheelbase
- Engine Standard
- HP @ RPM
- Travel Speed
- Ground Clearance

ATTACHMENTS

- Trenching Buckets
- Excavating Buckets
- Ditch Cleaning Buckets
- Dredging Buckets
- Pavement Removal Buckets
- Grading Blades
- Telestick
- Boom Extensions
- Flail Mowers
- Rotary Mowers
- Hydraulic Hammers
- Grapples

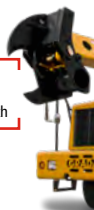
XL 3100 V

40,930 lb (18,566 kg)
27' 3" (8.3 m) reach
18' 4" (5.6 m) dig depth



XL 4100 V

49,684 lb (22,536 kg)
30' 3" (9.2 m) reach
20' 3" (6.2 m) dig depth





CRAWLER EXC

GRADALL



OPERATING RANGE & PERFORMANCE

- Engine Standard
- HP @ RPM
- Max. Digging Depth
- Max. Radius at Groundline
- Max. Loading Height
- Max. Work Hgt., (Boom below grade)
- Boom Telescope
- Boom Tilt
- Bucket Pivot Angle
- Rated Boom Force
- Rated Bucket Breakout Force
- Max. Lift Capacity

WEIGHTS & DIMENSIONS

- Operating Weight
- Swing Clearance
- Transport Length w/ Bucket
- Transport Height w/ Bucket
- Transport Width w/ Bucket

UNDERCARRIAGE

- Travel Speed
- Track Length
- Pad Width
- Ground Bearing Pressure
- Ground Clearance

ATTACHMENTS

- Trenching Buckets
- Excavating Buckets
- Ditch Cleaning Buckets
- Dredging Buckets
- Pavement Removal Buckets
- Grading Blades
- Telestick
- Boom Extensions
- Flail Mowers
- Rotary Mowers
- Hydraulic Hammers
- Grapples

XL 3200 V

39,240 lb (17,799 kg)
27' 5" (8.4 m) reach
19' 2" (5.8 m) dig depth

XL 4200 V

46,862 lb (21,256 kg)
30' 6" (9.3 m) reach
22' 0" (6.7 m) dig depth



AVATORS

XL 3200 V	XL 4200 V	XL 5200 V
Volvo TAD571 VE Tier 4f 5.1L	Volvo TAD571 VE Tier 4f 5.1L	Volvo TAD571 VE Tier 4f 5.1L
172/2,000	173/2,200	173/2,200
19' 2" (5.8 m)	22' 0" (6.7 m)	25' 4" (7.7 m)
27' 5" (8.4 m)	30' 6" (9.3 m)	33' 11" (10.3 m)
14' 9" (4.5 m)	16' 3" (5.0 m)	17' 11" (5.5 m)
14' 0" (4.3 m)	14' 0" (4.3 m)	14' 0" (4.3 m)
11' 0" (3.4 m)	12' 6" (3.8 m)	14' 0" (4.3 m)
220°	220°	220°
165°	165°	165°
22,075 lb (98.2 kN)	22,075 lb (98.2 kN)	24,941 lb (111 kN)
19,300 lb (86 kN)	25,405 lb (113 kN)	25,405 lb (113 kN)
8,200 lb (3,720 kg)	12,590 lb (5,710 kg)	12,350 lb (5,600 kg)
39,240 lb (17,799 kg)	46,862 lb (21,256 kg)	54,452 lb (24,699 kg)
7' 6" (2.3 m)	8' 0" (2.4 m)	8' 6" (2.6 m)
24' 6" (7.5 m)	26' 6" (8.1 m)	28' 11" (8.8 m)
10' 9" (3.3 m)	10' 9" (3.3 m)	10' 9" (3.3 m)
8' 6" (2.6 m)	10' 6" (3.2 m)	10' 6" (3.2 m)
3.4 mph (5.5 kph)	3.4 mph (5.5 kph)	3.4 mph (5.5 kph)
11' 9" (3.6 m)	13' 8" (4.2 m)	13' 8" (4.2 m)
23.6" (600 mm)	31.5" (800 mm)	31.5" (800 mm)
7.5 psi/51.7kPa	5.7 psi/39.3 kPa	6.6 psi/45.5 kPa
18" (454 mm)	18" (454 mm)	18" (454 mm)
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XL 5200 V
 54,452 lb (24,699 kg)
 33' 11" (10.3 m) reach
 25' 4" (7.7 m) dig depth



GRADALL

ROUGH TERRAIN

SERIES V**OPERATING RANGE & PERFORMANCE**

Engine Standard
HP @ RPM
Max. Digging Depth
Max. Radius at Groundline
Max. Loading Height
Max. Work Hgt., <i>(Boom below grade)</i>
Boom Telescope
Boom Tilt
Bucket Pivot Angle
Rated Boom Force
Rated Bucket Breakout Force
Max. Lift Capacity

WEIGHTS & DIMENSIONS

Operating Weight
Swing Clearance
Transport Length w/ Bucket
Transport Height w/ Bucket
Transport Width w/ Bucket

UNDERCARRIAGE

Drive
Wheelbase
Travel Speed
Ground Clearance

ATTACHMENTS

Trenching Buckets
Excavating Buckets
Ditch Cleaning Buckets
Dredging Buckets
Pavement Removal Buckets
Grading Blades
Telestick
Boom Extensions
Flail Mowers
Rotary Mowers
Hydraulic Hammers
Grapples

XL 3300 V

39,294 lb (17,823 kg)
 27' 3" (8.3 m) reach
 18' 5" (5.6 m) dig depth

XL 4300 V

43,580 (19,768 kg)
 30' 4" (9.2 m) reach
 21' 3" (6.5 m) dig depth





THE AMERICAN WAY TO GET MORE DONE


Gradall high-productivity, high-versatility excavators can do just about anything, just about anywhere. Our low-profile telescoping, full-tilting boom even allows Gradall excavators to work under bridges and in tunnels where others won't fit. Specify the only excavator that's made only in America.

GRADALL[®]

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It is Gradall Policy to continually improve its products. Therefore designs, materials and specifications are subject to change without notice and without incurring any liability on units already sold. Units shown may have optional equipment.



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