

Why Gradall?

- Series III Gradall excavators use common attachments and replacement parts.
- In-cab switch allows operators of Series III models to select familiar joystick patterns and repositioning speeds.
- Telescoping, tilting boom delivers optimum productivity and full versatility with a wide range of attachments.
- Powered by load-sensing high pressure hydraulics, Gradall excavators efficiently handle high productivity excavation and pavement removal as well as grading and finishing work.
- Low-profile booms allow Gradall excavators to work under bridges and in tunnels, where conventional knuckle booms cannot.
- Gradall, the brand that invented wheeled undercarriages for excavators, has highway speed undercarriages as well as on/off pavement models.
- Rugged crawler undercarriages provide mobility on rough terrain.
- Specialized Gradall models are designed specifically for railway maintenance as well as mining and metal mill work.

GRADALL®

HIGHWAY • CARRIER • CRAWLER

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 A MEMBER OF THE
ALAMO GROUP INC.
Certified ISO 9001


GRADALL®

HIGHWAY • CARRIER • CRAWLER

SPECIFICATION GUIDE EXCAVATORS

THE
POWER
OF



 A MEMBER OF THE
ALAMO GROUP INC.

EXCAVATORS

XL 3100^{III}

XL 4100^{III}

XL 5100^{III}

	XL 3100 ^{III}	XL 4100 ^{III}	XL 5100 ^{III}	
Operating Range & Performance	Engine Std.	Detroit Diesel OM906	—	—
	HP @ RPM	201/2200	—	—
	Maximum Digging Depth	19'8" (6.0 m)	20'3" (6.2 m)	24'5" (7.4 m)
	Maximum Radius at Groundline	27'5" (8.4 m)	30'3" (9.2 m)	33'9" (10.3 m)
	Maximum Loading Height	15'11" (4.8 m)	17'2" (5.2 m)	18'11" (5.8 m)
	Max. Work. Ht., Boom Below Grade	13'2" (4.0 m)	15'0" (4.6 m)	15'0" (4.6 m)
	Boom Telescope	11'0" (3.3 m)	12'9" (3.9 m)	14'8" (4.5 m)
	Boom Tilt	220°	220°	220°
	Bucket Pivot Angle	165°	165°	165°
	Rated Boom Force	21,940 lb (97.6 kN)	24,500 lb (109 kN)	24,500 lb (109 kN)
	Rated Bucket Breakout Force	17,900 lb (80 kN)	24,900 lb (111 kN)	24,900 lb (111 kN)
Maximum Lift Capacity	7,870 lb (3,570 kg)	12,130 lb (5,390 kg)	12,425 lb (5,635 kg)	
Weights & Dimensions	Operating Weight	39,486 lb (17,911 kg)	47,500 lb (21,545 kg)	54,948 lb (24,924 kg)
	Swing Clearance	7'6" (2.3 m)	8'0" (2.4 m)	8'6" (2.6 m)
	Transport Length w/Bucket	27'3" (8.3 m)	29'6" (9.0 m)	30'5" (9.3 m)
	Transport Height w/Bucket	12'8" (3.9 m)	12'0" (3.7 m)	11'9" (3.6 m)
Undercarriage	Transport Width w/Bucket	8'6" (2.6 m)	8'6" (2.6 m)	8'6" (2.6 m)
	Drive	4x2 or 4x4	6x4 or 6x6	6x4 or 6x6
	Gross Vehicle Axle Rating	41,000 lb (18,597 kg)	66,000 lb (29,937 kg)	66,000 lb (29,937 kg)
	Wheelbase	13'0" (4 m)	14'2" (4.3 m)	14'3" (4.3 m)
	Engine Std.	Detroit Diesel OM906	Detroit Diesel OM906	Detroit Diesel OM906
	HP @ RPM	201/2200	255/2200	275/2200
	Travel Speed-MPH	53.4 mph (85.9 kph)	53.4 mph (85.9 kph)	53.4 mph (85.9 kph)
Attachments	Ground Clearance	10" (250 mm)	10" (250 mm)	10" (250 mm)
	Trenching Buckets	•	•	•
	Excavating Buckets	•	•	•
	Ditch Cleaning Buckets	•	•	•
	Dredging Buckets	•	•	•
	Pavement Removal Buckets	•	•	•
	Grading Blades	•	•	•
	Rippers	•	•	•
	Telestick	•	•	•
	Boom Extensions	•	•	•
	Air Hammers	•	•	•
	Hydraulic Hammers	•	•	•
	Augers	•	•	•
Grapples	•	•	•	

- 39,486 lb (17,911 kg)
- 27'5" (8.4 m) reach
- 19'8" (6.0 m) dig depth

XL 3100^{III}



- 47,500 lb (21,545 kg)
- 30'3" (9.2 m) reach
- 20'3" (6.2 m) dig depth

XL 4100^{III}



- 54,948 lb (24,924 kg)
- 33'9" (10.3 m) reach
- 24'5" (7.4 m) dig depth

XL 5100^{III}

