

**Yale**<sup>®</sup>   
People. Products. Productivity.™

Counterbalanced  
Electric  
Three-Wheel



**ERP-VC**

2,500 - 3,000 lbs.

# Compact and effective.

The Yale® ERP025-030VC series has been designed to maneuver in the tightest of spaces and to handle pallets in containers and warehouses, delivering a cost effective, highly productive solution to meet the requirements of applications where space is at a premium.

## Productivity

24-volt rear-wheel drive with AC motors throughout provides smooth acceleration and excellent travel, torque and lifting performance, delivering efficient and productive load handling.

With the Extended Shift feature turned off, the truck delivers a competitive top speed of 7.5 mph (rated load) and lifting speed of 59 ft/min (rated load).

With an overall width of 39.2 inches and a tight turning radius for excellent maneuverability, the ERP-VC is the most compact truck Yale offers in its class, allowing the operator to maneuver more competently in restricted spaces or congested areas.

The mast offers excellent visibility enabling the operator to work quicker when picking and depositing loads.

## Ergonomics

The truck has been designed with the operator at the forefront, helping to ensure as much productivity in the last hour as in the first hour of the shift.

Generous foot space, intuitive pedal arrangement and low step height offer a comfortable working space for the driver. This means on/off access and driving in reverse cause less fatigue over long shifts.

A non-suspension vinyl seat is standard. Full suspension seats are available to help reduce truck vibrations and provide unrivaled operator comfort.

A class leading low noise level of 59dB(A) reduces the stress on operators, making them more productive by ensuring that they are comfortable for longer periods of time.

A display mounted in the upper right hand corner of the overhead guard keeps the operator's field of vision clear and provides at-a-glance information regarding truck operating conditions and performance settings.

## Dependability

Strong chassis construction provides excellent durability and stability, ensuring the operator can maneuver and carry out handling operations with confidence, enhancing productivity.

The use of proven components, such as O-ring face seal fittings and sealed electrical connectors, as well as CANbus communications ensure long term reliability.

Hall-Effect sensors are virtually maintenance free, making the truck more reliable and decreasing downtime.

AC motor technology allows the truck to work more reliably and for longer, greatly reducing downtime.

The Auto Deceleration System automatically slows the truck when the operator's foot is removed from the accelerator, reducing brake usage and associated brake maintenance requirements.

The unique Power-Assisted Braking System further increases brake and drivetrain life by automatically utilizing traction motor braking in proportion to operator brake pedal pressure, reducing the demand on the service brakes. The rugged drum-type brakes feature a strengthened "backing plate" for excellent durability.

A steel hood and durable side covers provide increased resistance to impact damage and general wear and tear.

## Low cost of operation

ERP-VC trucks provide tremendous flexibility to customize the truck's hydraulic and traction performance to the application. Whether you require extended battery shift life, aggressive performance or fast travel speeds for long hauls across a factory floor, your trained Yale technician can maximize your truck's performance.

The Intellix VSM (Vehicle System Manager) continuously monitors and controls all major truck functions for efficiency and proper operation.

A thermal management system protects the motors and controllers, leading to reduced maintenance costs.

## Serviceability

The steer column includes a diagnostic port which allows trained dealer technicians to connect the PC Service Tool for easy access to the truck's on-board diagnostics and programming.

The floor plate lifts out easily without the use of tools, providing easy access to components.

The truck is fully serviceable without having to remove the battery – the motor, pump, controller and oil tank are easily accessible.

Downtime for service requirements is minimized, thanks to features such as maintenance free AC motors, DIN wheel nuts, self-adjusting service brakes and gear driven steering (no chain - no lubrication required), as well as extended service intervals.

Standard service interval is 500 hours / 6 months, the drive axle / transmission oil change is 4000 hours and the hydraulic oil change is 4000 hours. The standard warranty is 2000 hours or one year and the powertrain warranty is 4000 hours or two years.

## Options

- Five different mast offerings: two 2-stage and three 3-stage
- Various length forks
- Integral Hook Type Sideshift
- Non-marking, pneumatic shaped solid tires
- Full suspension vinyl and cloth seats with and without swivel
- Telescopic steering column with tilt memory
- Dual rear view mirrors
- Single panoramic mirror
- Keyless start
- Operator Password Start Interlock
- Operator daily checklist
- Foot Directional Control (FDC) pedal
- LED light package
- Visible alarm
- Audible backup alarm
- DC to DC converters
- Load weight indicator
- Impact monitor
- System monitoring
- Accutouch mini-levers
- Return to Set Tilt (RTST)
- Cooler / freezer construction package

### Battery & Compartment Specifications

Truck Model	Compartment Dim			Battery Dim - Max			Volts	No. of Cells	Max Capacity 6 Hour Rate	Weight	
	Width	Length	Height	"X"	"Y"	"Z"				Min	Max
	in (mm)								amp hr (kwh)	lb (kg)	
<b>ERPO25VC</b> 17" Compartment	32.9 (835)	17.3 (439)	25 (635)	32.7 (830)	17.1 (435)	24.7 (627)	24	12	600 (14.4)	1256 (570)	1543 (699)
<b>ERPO30VC</b> 19" Compartment	32.9 (835)	19.4 (493)	25 (635)	32.7 (830)	19.3 (489)	24.7 (627)	24	12	1000 (24)	1415 (642)	1620 (734)

Battery Type: "EO" (Without Cover)

Battery Compartment Length is measured front to rear. Battery Compartment Width is measured across the truck

#### Battery Notes - Conventional Charging

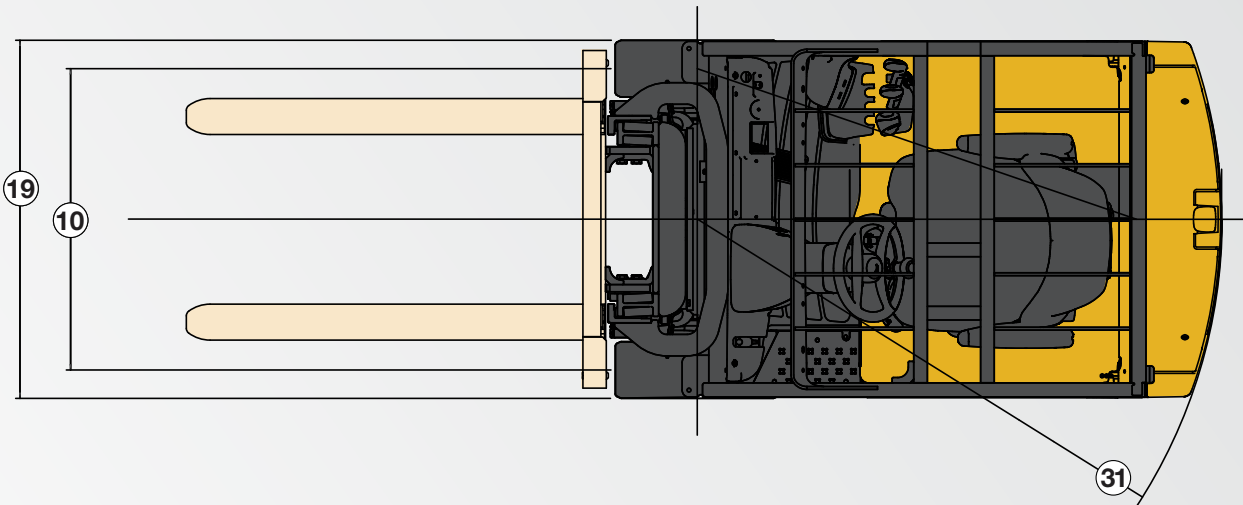
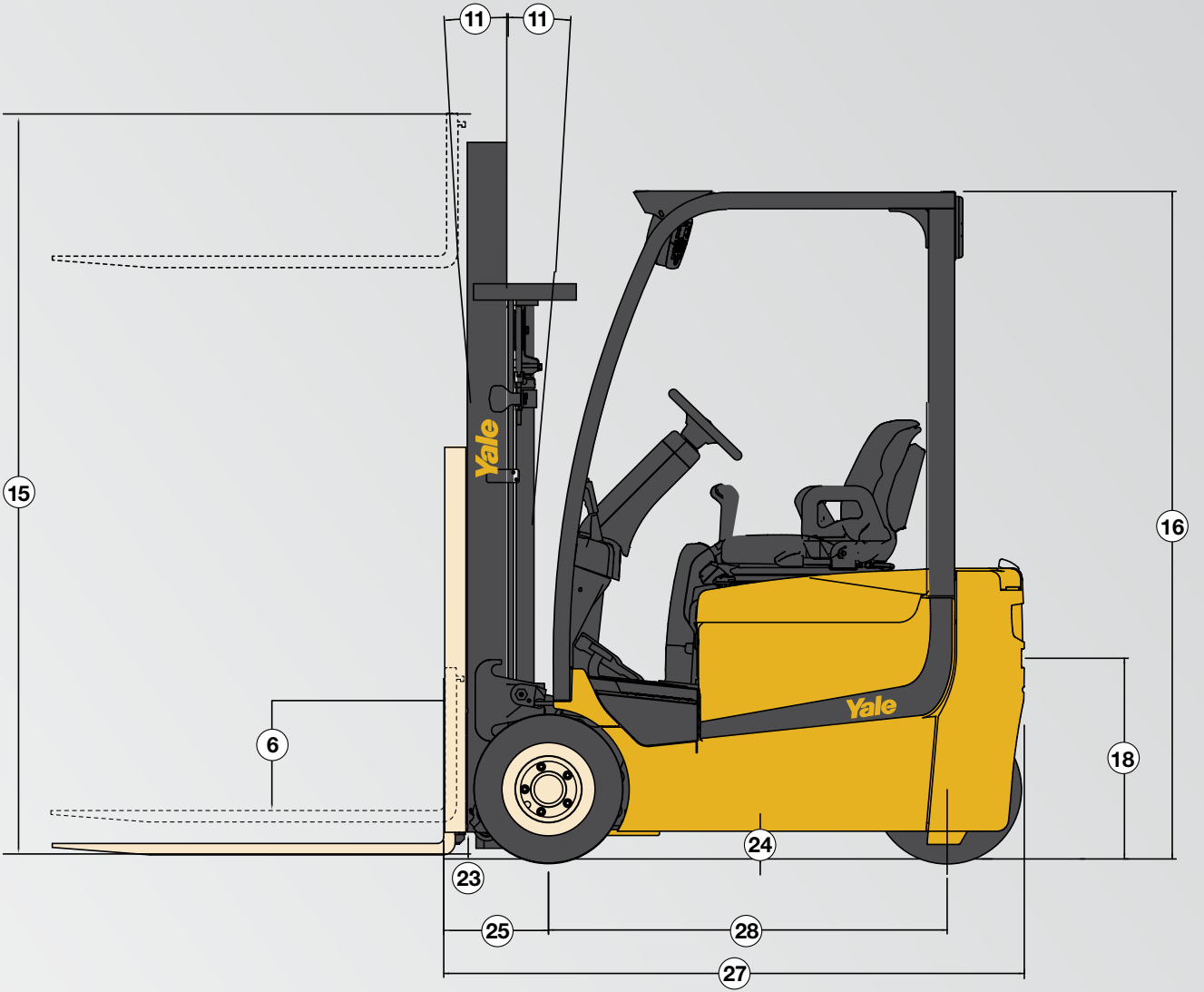
Battery Connector: 24 volt - Red SBE®320 (Anderson Power Products® P/N E6342G1 or equivalent)

Battery Lead: Length 20" (508 mm), Position "A", 2/0 AWG

Handle (not required): SBE®320 (Anderson Power Products®: "A" TYPE (Grey) P/N 995G2 or equivalent)

### Mast Dimensions

Maximum Fork Height (TOF)	Overall Lowered Height	Overall Extended Height		Free Lift (TOF)	
		with Load Backrest	w/o Load Backrest	with Load Backrest	w/o Load Backrest
in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)
<b>2-Stage Limited Free Lift (LFL)</b>					
112 (2860)	78 (1980)	161 (4089)	133 (3368)	5 (140)	5 (140)
132 (3360)	88 (2230)	181 (4589)	153 (3868)	5 (140)	5 (140)
<b>3-Stage Full Free Lift (FFL)</b>					
169 (4300)	78 (1980)	218 (5531)	190 (4808)	29 (749)	57 (1472)
181 (4600)	82 (2080)	230 (5831)	202 (5108)	33 (849)	61 (1572)
192 (4900)	86 (2180)	242 (6131)	213 (5408)	37 (949)	65 (1672)



GENERAL	1 Manufacturer			Yale			
	2 Model Designation			ERPO25VC	ERPO30VC		
	3 Power			Electric			
4 Operation			Sit				
5 Rated Capacity			lb. (kg)	2500 (1134)	3000 (1361)		
6 Load Center			in. (mm)	24 (610)			
TIRES & WHEELS	7 Tire Type - Cushion, Solid, Pneumatic, etc.		Front / Rear	Pneumatic Shaped Solid / Pneumatic Shaped Solid			
	8 Tire Size		Front / Rear	18 x 7-8 / 18 x 7-8			
	9 Wheels - Number	X=Driven	Front / Rear	2 / 1X			
10 Tread		¢ Tires	Std / Wide	in. (mm) 32.9 / 35.3 (836 / 896)			
DIMENSIONS	11 Mast Tilt		Std	degrees	5F / 5B		
	12 Mast - Lowered Height		Std Mast	in. (mm)	78 (1980)		
	13 Free Lift - Top of Fork		Std 2-Stg LFL Mast	in. (mm)	5 (140)		
			Opt 3-Stg FFL Mast with / without LBR	in. (mm)	33 / 61 (849 / 1572)		
	14 Lift Height - Top of Fork		Std 2-Stg LFL Mast	in. (mm)	112 (2860)		
	15 Mast - Extended Height		Std Mast with / without LBR	in. (mm)	161 / 133 (4089 / 3368)		
	16 Overhead Guard Height		Std / Opt	in. (mm)	81.1 / 77.9 (2060 / 1980)		
	17 SIP to Bottom Std OHG		Nominal	Std / Susp / Swivel	in. (mm)	39.8 / 38.6 / 38.7 (1011 / 982 / 984)	
	18 Tow Pin Height		Vertical Center of Pin	in. (mm)	24.2 (615)		
	19 Overall Width		Std / Wide Tread	in. (mm)	39.2 / 41.6 (996 / 1056)		
	20 Forks		Thickness x Width x Length	in. (mm)	1.6 x 3.1 x 43.3 (40 x 80 x 1100)		
	21 Standard Carriage Width		Class II	in. (mm)	35.7 (907)		
	23 Ground Clearance		Lowest Point	NL / RL	in. (mm)	3.3 / 2.9 (86/74)	
	24 Ground Clearance		Center of Truck	NL / RL	in. (mm)	3.5 / 3.3 (88 / 85)	
	25 Load Distance		Center of Wheel to Face of Forks	in. (mm)	12.8 (326)		
	26 Battery Compartment		Height	in. (mm)	25 (635)		
			Width	in. (mm)	32.9 (835)		
			Length	in. (mm)	17.3 (439)	19.4 (493)	
	27 Length to Face of Forks		Chassis Length	in. (mm)	67.9 (1724)	70.0 (1778)	
	28 Wheelbase			in. (mm)	46.0 (1168)	48.1 (1222)	
	29 Right Angle Stack (See Note 2)			in. (mm)	119.1 (3025)	121.2 (3079)	
30 Equal Aisle		90° Intersecting Aisle	in. (mm)	66.3 (1683)	66.9 (1700)		
31 Outside Turning Radius			in. (mm)	55.0 (1398)	57.2 (1452)		
WEIGHT	32 Truck Weight		Without Battery	NL	lb. (kg)	4560 (2068) 4830 (2191)	
	33 Axle Loading - Front		Static with Max. Wt. Battery	NL / RL	lb. (kg)	2702 / 7206 (1226 / 3269) 2783 / 8083 (1262 / 3666)	
	34 Axle Loading - Steer		Static with Max. Wt. Battery	NL / RL	lb. (kg)	3394 / 1389 (1539 / 630) 3663 / 1363 (1662 / 618)	
PERFORMANCE	35 Voltage			VOLTS	24		
	36 Travel Speed		Extended Shift OFF	NL / RL	mph (km/h)	7.8 / 7.5 (12.5 / 12.0)	
			Extended Shift ON	NL / RL	mph (km/h)	7.2 / 6.3 (11.6 / 10.1)	
	37 Lift Speed		Std 2-Stg LFL Mast	NL / RL	ft/min (m/sec)	101 / 59 (.51 / .30)	
			Opt 3-Stg FFL Mast	NL / RL	ft/min (m/sec)	94 / 45 (.48 / .23)	
	38 Lower Speed		Std 2-Stg LFL Mast	NL / RL	ft/min (m/sec)	91 / 98 (.46 / .50)	
			Opt 3-Stg FFL Mast	NL / RL	ft/min (m/sec)	85 / 98 (.43 / .50)	
	39 Gradeability		5 Minute Rating	NL / RL	%	24.3 / 16.3 22.4 / 14.5	
			60 Minute Rating	NL / RL	%	4.0/3.2 3.4/2.9	
	40 Drawbar Pull		5 Minute Rating	NL / RL	lbf (N)	1399 / 1445 (6221 / 6426) 1403 / 1397 (6242 / 6212)	
			60 Minute Rating	NL / RL	lbf (N)	219 / 214 (975 / 951) 218 / 212 (970 / 942)	
41 Brake		Method of Control	Service / Parking	Hydraulic / Mechanical			
		Method of Operation	Service / Parking	Foot / Lever			
ELECTRIC	42 Battery Type				Lead Acid		
	43 Traction Motors		60 Minute Rating	hp (kW)	6.3 (4.7)		
	44 Pump Motor		15 Minute rating	hp (kW)	8.0 (6.0)		
	45 Traction Motor		Type / Control Method		AC / Transistor		
	46 Pump Motor		Type / Control Method		AC / Transistor		
47 Number of Speeds		Traction / Pump		Infinitely Variable			
OTHER	48 Step Height			in. (mm)	19.1 (485)		
	49 Floor Height		Lowest Point	in. (mm)	20.6 (522)		
	50 Attachment Relief Pressure			psi (bar)	2248 (155)		
	51 Auxiliary Oil Flow			gal/min (l/min)	5.3 (20)		
	52 Sound Level		Measured per ANSI B56.11.5		dB (A)	59	

Above specifications, unless otherwise listed, are for a standard truck without optional equipment. Right Angle Stack and Equal Intersecting Aisle dimensions provided with a 48" long and 40" wide pallet load, allowing zero clearance.

CERTIFICATION: These Yale lift trucks meet design specifications of Part II ANSI B56.1-1969, as required by OSHA Section 1910.178(a)(2) and also comply with Part III ANSI B56.1-revision in effect at time of manufacture. Certification of compliance with the applicable ANSI standards appears on the lift truck.

NOTE 1: Performance specifications / ratings are for truck equipped as described under Standard Equipment in this Specification Sheet. Performance specifications are affected by the condition of the vehicle and how it is equipped, as well as by the nature and condition of the operating area. Specifications are subject to change and the proposed application should be discussed with your authorized Yale Dealer.

NOTE 2: The Industrial Truck Association (ITA) defines the formula for calculating Right Angle Stack on 3-wheel trucks with counter rotating load wheels as:  $Right\ Angle\ Stack = OTR + \sqrt{(Load\ Distance + Load\ Length)^2 + (\frac{Load\ Width}{2})^2}$  (For a 40" wide by 48" long pallet load.) Yale uses the above ITA formula to calculate Right Angle Stack on our 3 and 4 wheel trucks with a zero turn steer axle and counter rotating load wheels.

Some documentation incorrectly calculates Right Angle Stack on a 3-wheel zero-turn truck with counter rotating load wheels using the following formula:  $Right\ Angle\ Stack = OTR + Load\ Distance + Load\ Length$ . This formula generates a value which is invalid and lower than actual Right Angle Stack. When making comparisons, be sure the correct ITA formula is used to calculate Right Angle Stack.

# The Yale Experience

With Yale, you know you're getting more than just a truck. You're getting the complete Yale experience. It's the promise we make that goes beyond our products, and it's our commitment to support you with the best service in the industry.



**Dealer Network** - Yale customers have direct access to the best forklift products and services through our extensive, independent dealer network, featuring 340 worldwide dealer locations (225 in the Americas) with an average of more than 25 years of experience in materials handling.



**Financial Services** - Yale® Financial Services specializes in financing your lift truck needs. Our programs make it easy to acquire the use of a lift truck or an entire fleet.



**Fleet Management** - Even if you operate other brands, we can manage your maintenance and replacement plan. We can offer complete fleet analysis, fleet history summary and a cost-effective proposal for replacement and scheduled maintenance.



**Innovations** - One size doesn't always fit all. Yale has engineered a variety of truck modifications to meet the ever-changing needs of its customers and their changing applications. In addition to standard and optional truck features, Yale offers an impressive list of special truck enhancements designed to increase your productivity.



**Operator Training** - Proper education in operating lift trucks minimizes the risk of injuries due to accidents while increasing productivity. Yale offers OSHA compliant materials that support the training of qualified operators.



**Replacement Parts** - Your authorized Yale® lift truck dealer offers genuine Yale® parts and quality parts for other makes (PREMIER™ Parts) as well as service programs—all designed to keep your trucks running efficiently and cost-effectively.



**Rental** - Long-term rental can provide flexibility for equipment and term tailored to your operation, fixed cost, maintenance and maximum uptime without major capital investment. Coupled with Yale® dealers' extensive short-term rental fleets, businesses can meet peak production or seasonal requirements while keeping their fleets sized for their everyday needs.

# ERP-VC VS. ERP-VT: A SIDE-BY-SIDE COMPARISON

Dimensional Differences					
Model Designation			ERP025VC	ERP030VC	ERP030VT
Rated Capacity @ 24" LC		lb (kg)	2500 (1134)	3000 (1361)	3000 (1361)
Overhead Guard Height	Std	in (mm)	81.1 (2060)	81.1 (2060)	81.5 (2070)
Overall Width	Std	in (mm)	39.2 (996)	39.2 (996)	41.3 (1050)
Ground Clearance, Center of Truck	NL / RL	in (mm)	3.5 / 3.3 (88 / 85)	3.5 / 3.3 (88 / 85)	3.7 / 3.5 (95 / 90)
Length to Face of Forks		in (mm)	67.9 (1724)	70 (1778)	71.2 (1808)
Wheelbase		in (mm)	46 (1168)	48.1 (1222)	50.8 (1290)
Right Angle Stack		in (mm)	119.1 (3025)	121.2 (3079)	122.2 (3103)
Equal Aisle		in (mm)	65.9 (1675)	66.9 (1700)	69.3 (1759)
Outside Turning Radius		in (mm)	55 (1398)	57.2 (1452)	58.3 (1481)

Key Performance Differences					
Model Designation			ERP025VC	ERP030VC	ERP030VT
Rated Capacity @ 24" LC		lb (kg)	2500 (1134)	3000 (1361)	3000 (1361)
Volts			24	24	36
Travel Speed Extended Shift OFF	NL / RL	mph (km/h)	7.8 / 7.5 (12.5 / 12.0)	7.8 / 7.5 (12.5 / 12.0)	9.8 / 9.8 (15.7 / 15.7)
Travel Speed Extended Shift ON	NL / RL	mph (km/h)	7.2 / 6.3 (11.6 / 10.1)	7.2 / 6.3 (11.6 / 10.1)	8.7 / 8.7 (14 / 14)
Lift Speed Std 2-Stg LFL Mast	NL / RL	ft/min (m/sec)	101 / 59 (.51 / .30)	101 / 59 (.51 / .30)	128 / 77 (.65 / .39)
Lower Speed Std 2-Stg LFL Mast	NL / RL	ft/min (m/sec)	91 / 98 (.46 / .50)	91 / 98 (.46 / .50)	93 / 100 (.47 / .51)
Gradeability 5 Minute Rating	NL / RL	%	24.3 / 16.3	22.4 / 14.5	38.4 / 26.5
Gradeability 60 Minute Rating	NL / RL	%	4 / 3.2	3.4 / 2.9	6 / 4.4
Drawbar Pull 5 Minute Rating	NL / RL	lbf (N)	1399 / 1445 (6221 / 6426)	1403 / 1397 (6242 / 6212)	2719 / 2714 (12096 / 12072)
Drawbar Pull 60 Minute Rating	NL / RL	lbf (N)	219 / 214 (975 / 951)	218 / 212 (970 / 942)	458 / 462 (2038 / 2054)

Green highlight indicates advantage.






For more information, or to find your nearest Yale® dealer, go to [Yale.com](http://Yale.com).



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Manufactured in our own ISO 9001 and 14001 Registered Facilities

2356 - 12/13 All trucks shown with optional equipment.