



UX Series

GDP50-70UX6 / 5,000-7,000kg

Internal Combustion Counterbalanced Forklift

GDP50-70UX6 features.

The Yale GDP50-70UX6 was designed for operations looking for a reliable, cost-effective solution to get the job done—all backed by the trusted Yale name.

Model range

The GDP50-70UX6 consists of 5,000-7,000kg trucks, available in three different capacities:

5,000kg – GDP50UX6

6,000kg – GDP60UX6

7,000kg – GDP70UX6

DESIGN

The design of the UX series has been engineered with the operator in mind. The ergonomically designed compartment provides a natural and comfortable environment to help reduce fatigue throughout the shift. A range of standard features and options help to configure the truck to the needs of the application.

LOW COST OF OWNERSHIP

The use of high quality and robust components contribute to reliable operations and lower wear and tear. This, together with fast availability of cost-effective replacement parts helps to reduce maintenance requirements and costs.

EASY TO OPERATE

The ergonomically designed operator's compartment, with familiar automotive layout, means that drivers will be able to work comfortably. A range of standard features and options help the truck to be configured to the needs of the application.

SERVICEABILITY

Due to the simplicity of the components and specifications, servicing can be carried out quickly and easily.





1 HIGH STRENGTH OHG

Overhead guard featuring high strength profiled steel sections to enhance operator protection.

2 FULL SUSPENSION SEAT

A full suspension seat that offers excellence in comfort, with an operator presence system fitted as standard.

3 LOW STEP HEIGHT

Convenient step placing to suit of variety of driver heights to ensure easy access to the truck at all times.

4 WIDE VIEW MAST

The wide view mast delivers excellent visibility of the load and operator's through-mast field of view, optimising comfort and productivity.

5 SMALL STEERING WHEEL

The adjustable steering wheel is convenient for the operator as it provides 8 degrees of adjustment. Allowing for good manoeuvrability when working in confined spaces.

6 INDUSTRIAL ENGINE

The UX Mitsubishi Industrial engine provides good reliability and easy sourcing of replacement parts.

Engineered for **drivers.**



YALE DISPLAY WITH 3.5" LCD

- The Yale UX Series Forklift adopts a 3.5" LCD display, providing convenient viewing of the display data when driving and operating



HAND PARKING BRAKE

- Low effort to operate park brake lever
- Hand parking brake lever with button reduces operator fatigue



SPACIOUS FOOTWELL

- Spacious foot room design provides comfort, convenience
- Control pedals provide extra foot space which reduces operator fatigue and increases operator comfort



TRANSMISSION AND DRIVE AXLE

- Heavy duty and robust Powershift transmission with two forward gears and one reverse
- Durable and long life Drive Axle



HIGH-STRENGTH OVERHEAD GUARD

- Profiled steel overhead guard
- High strength roof enhances reliability and operator protection



GOOD THROUGH-MAST VISIBILITY

- The wide view mast delivers excellent visibility of the load and operator's through-mast field of view, optimising comfort and productivity.
- Mast composite roller structure



LARGE ACCESS AREA FOR SERVICE AND REPAIRS

- Large access space to engine compartment makes service and repairs easy



EXCHANGEABLE COMPONENTS

- Engine cover, instrument panel, display and most other components are exchangeable with other capacities in the same range
- Front fenders adaptable to single or dual wheel configuration

ENGINE SPECIFICATIONS

Mitsubishi 5.0L, Diesel

6 Cylinder	Overhead valve
Displacement	4.996 litre
Torque	293Nm @ 1,700rpm
Power	63.9kW @ 2,300rpm
Air filtration	Two stage, dry type
IDI fuel injection system	

MAST DIMENSIONS GDP50-60UX6

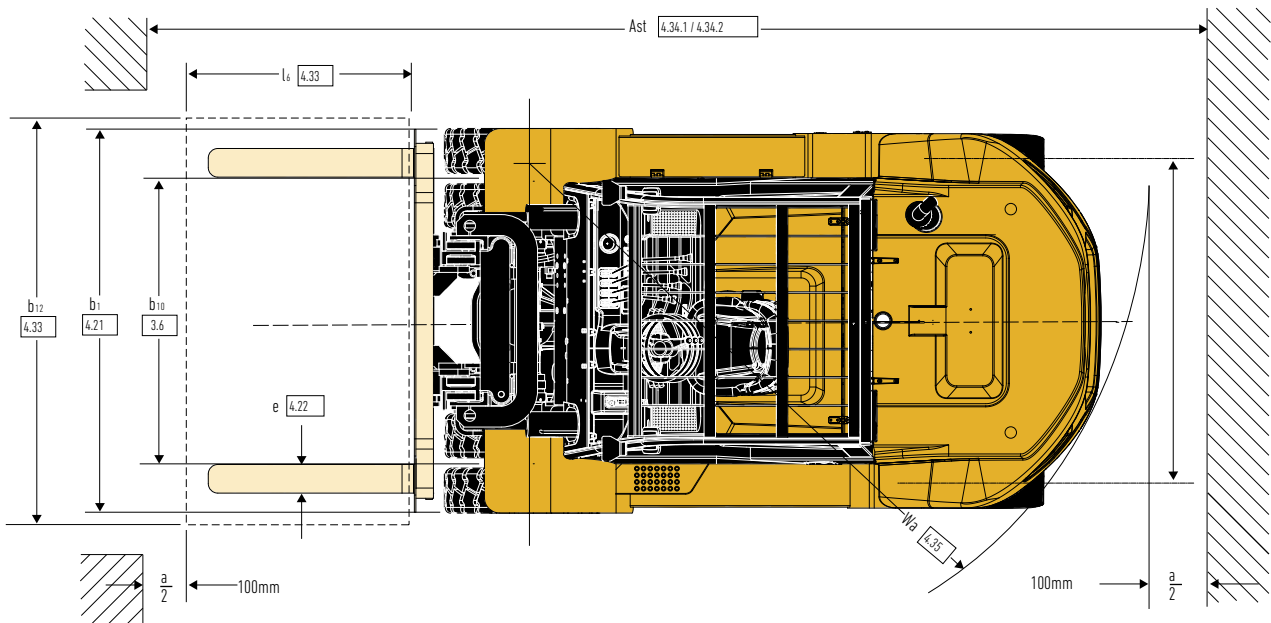
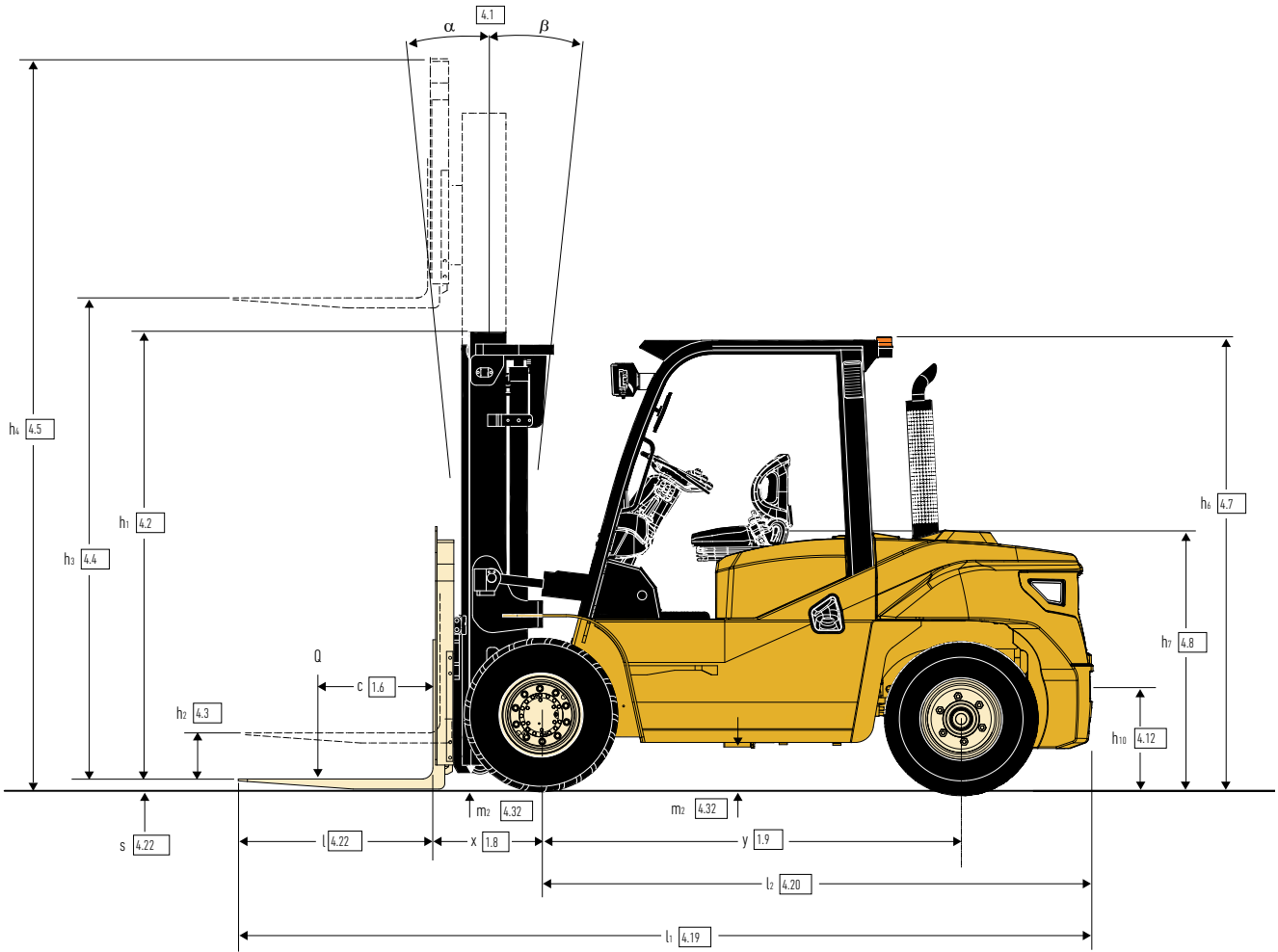
Mast Specification	Maximum Fork Height	Overall Lowered Height	Overall Extended Height		Free-Lift (TOF)		Load Distance	Tilt	Capacity 500mm Load Center From Single Tire	
			w/Load Backrest	w/o Load Backrest	w/Load Backrest	w/o Load Backrest			GDP50UX6	GDP60UX6
			mm	mm	mm	mm				
2-Stage Limited Free-Lift (LFL) Mast										
M300	3000	2500	4370	3900	205	205	590	12°/10°	5000	6000
M330	3300	2650	4670	4200	205	205	590	12°/10°	5000	6000
M350	3500	2750	4870	4400	205	205	590	12°/10°	5000	6000
M375	3750	2875	5120	4650	205	205	590	12°/10°	5000	6000
M400	4000	3050	5370	4900	205	205	590	12°/10°	5000	6000
M425	4250	3175	5620	5150	205	205	590	6°/6°	5000	6000
M475	4750	3425	6120	5650	205	205	590	6°/6°	5000	6000
M500	5000	3550	6370	5900	205	205	590	6°/6°	5000	6000
M550	5500	3850	6870	6400	205	205	590	6°/3°	4750	5700
M600	6000	4100	7370	6900	205	205	590	6°/3°	4400	5400
2-Stage Full Free-Lift (FFL) Mast										
FM300	3000	2625	4370	4050	1255	1555	600	12°/10°	5000	6000
FM330	3300	2775	4670	4350	1405	1705	600	12°/10°	5000	6000
FM350	3500	2875	4870	4550	1505	1805	600	12°/10°	5000	6000
FM375	3750	3000	5120	4800	1630	1930	600	12°/10°	5000	6000
FM400	4000	3175	5370	5050	1805	2105	600	12°/10°	5000	6000
3-Stage Full Free-Lift (FFL) Mast										
TFM400	4000	2505	5420	5000	1130	1395	635	6°/6°	4500	5500
TFM435	4350	2630	5720	5350	1255	1520	635	6°/6°	4500	5500
TFM450	4500	2680	5920	5500	1305	1570	635	6°/6°	4500	5500
TFM480	4800	2780	6170	5800	1405	1670	635	6°/6°	4500	5500
TFM500	5000	2880	6370	6000	1505	1770	635	6°/6°	4500	5500
TFM540	5400	3005	6770	6400	1630	1895	635	6°/3°	4300	5300
TFM600	6000	3305	7370	7000	1930	2196	635	6°/3°	4000	5000
TFM650	6500	3530	7920	7500	2155	2420	635	6°/3°	3500	4200

MAST DIMENSIONS GDP70UX6

Mast Specification	Maximum Fork Height	Overall Lowered Height	Overall Extended Height		Free-Lift (TOF)		Load Distance	Tilt	Capacity 500mm Load Center From Single Tire	
			w/Load Backrest	w/o Load Backrest	w/Load Backrest	w/o Load Backrest			GDP70UX6	
			mm	mm	mm	mm				kg
2-Stage Limited Free-Lift (LFL) Mast										
M300	3000	2625	4370	4000	205	205	590	12°/10°	7000	
M330	3300	2775	4670	4300	205	205	590	12°/10°	7000	
M350	3500	2875	4870	4500	205	205	590	12°/10°	7000	
M375	3750	3000	5120	4750	205	205	590	12°/10°	7000	
M400	4000	3175	5370	5000	205	205	590	12°/10°	7000	
M425	4250	3300	5620	5250	205	205	590	6°/6°	7000	
M475	4750	3550	6120	5750	205	205	590	6°/6°	7000	
M500	5000	3675	6370	6000	205	205	590	6°/6°	7000	
M550	5500	3975	6870	6500	205	205	590	6°/3°	6600	
M600	6000	4225	7370	7000	205	205	590	6°/3°	6400	
2-Stage Full Free-Lift (FFL) Mast										
FM300	3000	2625	4370	4050	1255	1555	600	12°/10°	5000	
FM330	3300	2775	4670	4350	1405	1705	600	12°/10°	5000	
FM350	3500	2875	4870	4550	1505	1805	600	12°/10°	5000	
FM375	3750	3000	5120	4800	1630	1930	600	12°/10°	5000	
FM400	4000	3175	5370	5050	1805	2105	600	12°/10°	5000	
3-Stage Full Free-Lift (FFL) Mast										
TFM400	4000	2505	5420	5000	1130	1395	635	6°/6°	6400	
TFM435	4350	2630	5720	5350	1255	1520	635	6°/6°	6400	
TFM450	4500	2680	5920	5500	1305	1570	635	6°/6°	6400	
TFM480	4800	2780	6170	5800	1405	1670	635	6°/6°	6300	
TFM500	5000	2880	6370	6000	1505	1770	635	6°/6°	6300	
TFM540	5400	3005	6770	6400	1630	1895	635	6°/3°	6100	
TFM600	6000	3305	7370	7000	1930	2196	635	6°/3°	5500	
TFM650	6500	3530	7920	7500	2155	2420	635	6°/3°	4700	

Capacities are with standard carriage.

TRUCK DIMENSIONS GDP50-70UX6



GENERAL SPECIFICATIONS GDP50-70UX6

DISTINGUISHING MARK	1.1	Manufacturer	Yale			
	1.2	Model designation	GDP50UX6	GDP60UX6	GDP70UX6	
	1.3	Power: battery, diesel, LPG, electric mains	Diesel			
	1.4	Operation: manual, pedestrian, stand, seat, orderpicker	Seat			
	1.5	Load capacity	Q (kg)	5000	6000	7000
	1.6	Load center	c (mm)	600		
	1.8	Load distance	x (mm)	590		
	1.9	Wheelbase	y (mm)	2300		
	WEIGHT	2.1	Unladen weight	kg	8360	9010 / 13450
2.2		Axle loading, laden front / rear	kg	12090 / 1270	1560 / 4380	1750 / 4050
2.3		Axle loading without load, front	kg	4520 / 3830	4630	5600
TIRES, CHASSIS	3.1	Tires: P = pneumatic, V = cushion, SE = superelastic	P			
	3.2	Tire size, front	8.25-15-14PR			
	3.3	Tire size, rear	8.25-15-14PR			
	3.5	Number of wheels, front/rear (X = driven)	4 X 2			
	3.6	Track width, front	b10 (mm)	1489		
	3.7	Track width, rear	b11 (mm)	1700		
	DIMENSIONS	4.1	Mast tilt, forward a/back β	/ (°)	10 / 12	
4.2		Height of mast, lowered	h1 (mm)	2500	2625	
4.3		Free lift	h2 (mm)	205		
4.4		Lift height	h3 (mm)	3000		
4.5		Height of mast, extended	h4 (mm)	4425		
4.7		Height to top of overhead guard	h6 (mm)	2450		
4.8		Seat height	h7 (mm)	1400		
4.12		Towing coupling height	h10 (mm)	345		
4.19		Overall length	l1 (mm)	4715	4785	4830
4.20		Length to face of forks	l2 (mm)	3495	3565	3610
4.21		Overall width, Standard / Dual	b1 (mm)	2020		
4.22		Fork dimensions ISO2331	s/e/l (mm)	65 / 150 / 1220		
4.23		Fork carriage to DIN 15173, Class, A/B	ISO 4A			
4.24		Fork carriage width	b3 (mm)	1845		
4.31		Ground clearance under mast, with load	m1 (mm)	200		
4.32		Ground clearance at centre of wheelbase	m2 (mm)	230		
4.33		Load dimension b12 x l6 crossways	b12 x l6 (mm)	1000 x 1000		
4.34		Aisle width with predetermined load dimensions	Ast (mm)	5030	5085	5150
4.34.1		Aisle width with pallets 1000mm x 1200mm crossways	Ast (mm)	5030	5085	5150
4.34.2		Aisle width with pallets 800mm x 1200mm crossways	Ast (mm)	4830	4885	4950
4.35		Outer turning radius	Wa (mm)	3250	3300	3360
4.36		Inner turning radius	b13 (mm)	100		
4.42		Step height (from ground to running board)	mm	968		
4.43	Step height (between intermediate steps and floor)	mm	330			
PERFORMANCE DATA	5.1	Travel speed laden/unladen - Shift 2	km/h	29 / 30		
	5.1	Travel speed laden/unladen - Shift 1	km/h	9.5 / 9.5		
	5.1.1	Travel speed, laden / unladen, backwards - Shift 2	km/h	29 / 30		
	5.1.1	Travel speed, laden / unladen, backwards - Shift 1	km/h	9.5 / 9.5		
	5.2	Lifting speed laden/unladen	m/s	430 / 460		
	5.3	Lowering speed laden/unladen	m/s	500 / 400		
	5.6	Maximum drawbar pull laden/unladen	N	65 / 37		
	5.6.1	Drawbar pull laden/unladen, @ 1.6km/h	N	49 / 36		
	5.6.2	Drawbar pull laden/unladen, @ 4.8km/h	N	28 / 26		
	5.7	Gradeability laden/unladen, @ 1.6km/h	%	33 / 20	30 / 20	30 / 20
	5.9	Acceleration time with/without load (S) 15m	s	6.07(S1) / 6.25(S2)	6.27(S1) / 6.45(S2)	6.47(S1) / 6.65(S2)
5.9	Acceleration time with/without load (S) 15m	s	5.43(S1) / 4.83(S2)	5.63(S1) / 5.03(S2)	5.83(S1) / 5.23(S2)	
5.10	Service brake	Hydraulic				
COMBUSTION ENGINE	7.1	Engine manufacturer/type	Mitsubishi S6S-T			
	7.2	Engine output, in accordance with ISO1585	Kw	63.9		
	7.3	Governed speed	min-1	2300		
	7.4	Number of cylinders/displacement	(-) / (cm ³)	6 / 4966		
	7.5	Fuel consumption in accordance with VDI cycle	ℓ/h or kg/h	9.55	9.85	10.2
	7.6	Turnover output	t/h	320t/h	380t/h	435t/h
	7.7	Energy consumption at turnover output	ℓ/h or kg/h	9.56kg/h	9.86kg/h	10.46kg/h
ADDITIONAL DATA	8.1	Type of drive unit	E-Hydraulic			
	10.1	Operating pressure for attachments	bar	19,5		
	10.2	Oil volume for attachments	l/min	80		
	10.3	Hydraulic oil tank, capacity	l	112		
	10.4	Fule tank, capacity	l	140		
	10.7	Average noise level at operator's ear EN 12053	dB (A)	86		
	10.7.1	Sound power level during the workcycle	dB (A)	107.2		
	10.8	Towing coupling, type DIN 15170	Pin			

FEATURES LIST

STANDARD FEATURES

MITSUBISHI 5.0L Diesel S65 63.9kw
F2/R2 Speed Transmission
2 Stage Limited Free Lift Mast - 3000mm Max Lift Height, 2500mm Overall Lowered Height (GDP/GLP50-60UX6)
2 Stage Limited Free Lift Mast - 3000mm Max Lift Height, 2625mm Overall Lowered Height (GDP/GLP70UX6)
10° Forward /12° Back Mast Tilt (for 2LFL & 2FFL 3000mm-3750mm)
1845mm Hook Type Carriage
1220 x 150 x 65mm Hook type Standard Tapered Forks
2 Function Hose Group
2 Function Manual Hydraulic Levers
Pneumatic Shaped Solid (PSS) Duel Drive Tires - 8.25-15NHS, Steer Tires - 8.25-12NHS
F/R Lever Direction Control
Overhead Exhaust
Non-Suspension Seat
2450mm Overhead Guard
Park Brake Alarm
Operator Presence System (OPS)
Steering Wheel With Knob and Adjustable Tilt Steering Column
Standard Environmental Construction (-10 Degrees C to 40 Degrees C Ambient)
Spanish Literature Package
Warranty - 12 Months / 2,000 Hours Manufacturers Warranty

OPTIONAL FEATURES

See Mast Chart (Page 5) for Other Available Mast Options
6° Forward /6° Back Mast Tilt (for 2LFL&2FFL&3FFL 4000mm-5000mm)
3° Forward /6° Back Mast Tilt (for 2LFL&2FFL&3FFL 5400mm-6500mm)
2100mm Hook Type Carriage
1845mm Integral Sideshift Carriage (Hook Type Forks)
1845mm Integral Sideshift Carriage w/ Fork Positioner (Pin Type Forks)
1845mm LDSJ Hang-On Sideshift Carriage (Hook Type Forks)
1905mm LDSJ Hang-On Sideshift w/ Fork Positioner Carriage (Hook Type Forks)


OPTIONAL FEATURES (cont'd)

1844mm Cascade Hang-On Sideshift Carriage (Hook Type Forks)
Hook type/Pin type (ISSFP Only) standard tapered forks - 1220 x 150 x 65mm, 1370 x 150 x 65mm, 1520 x 150 x 65mm, 1670 x 150 x 65mm, 1820 x 150 x 65mm, 1970 x 150 x 65mm, 2120 x 150 x 70mm, 2220 x 150 x 70mm, 2300 x 150 x 70mm, 2440 x 150 x 70mm
2 Function Hose Group - for 2 FFL or 3 FFL Mast
3 Function Hose Group - for 2 LFL, 2 FFL, or 3 FFL Mast
4 Function Hose Group - for 2 LFL, 2 FFL, or 3 FFL Mast
3 Function, 4 Function w/o Clamping, or 4 Function w/ Clamping Manual Hydraulic Levers
Pneumatic Duel Drive Tires - 8.25-15-14PR, Steer Tires - 8.25-15-14PR
2 Front LED / 1 Rear LED Work Lights
Amber LED Strobe
Audible Alarm
Spark Arrester
High Air Intake with Pre-Cleaner
2392mm Overhead Guard
Multiple Cab Options - PVC Rain Top - Full Cab (w/ Front Wiper with Water Spray, and Rear Wiper - Front, Top, and Rear Panels (w/ Front Wiper with Water Spray, and Rear Wiper - Front and Top Panels (w/ Front Wiper with Water Spray) - Front (w/ Front Wiper Only)
Cab Heater
Cab A/C
Rear Drive Handle w/ Horn Button
Battery Disconnect
Locking Fuel Cap
Side Mirrors
Cold Environmental Construction (-20 Degrees C to 40 Degrees C Ambient)
English US Literature Package

Yale Materials Handling Corporation

P.O. Box 7367
Greenville, NC 27835-7367
U.S.A.

www.yale.com

YALE,  and PEOPLE. PRODUCTS. PRODUCTIVITY. are trademarks, service marks or registered marks in the United States and certain other jurisdictions. © Yale Materials Handling Corporation 2021. All Rights Reserved.

Trucks may be shown with optional equipment. Truck performance may be affected by the condition of the vehicle, how it is equipped and the application. Specifications are subject to change without notice. Consult your Yale Dealer if any of the information shown is critical to your application.

