

# GDP8.0- 10.0MX6

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Internal combustion  
forklift trucks

8,000-10,000 kg



# Featuring the GDP8.0-10.0MX6

The Yale MX Series was engineered for operations looking for a reliable, cost-effective solution to get the job done - all backed by the Yale name.

The range consists of 8,000 - 10,000 kg. IC counterbalance, pneumatic tyre forklift trucks, available in two different capacities;

**8,000kg – GDP8.0MX6 | 10,000kg – GDP10.0MX6**

Each model is available with diesel engines, a choice of electronic ZF transmission or optional 2-speed forward / 2-speed reverse powershift transmission and a choice of oil immersed brakes or drum brakes to suit varying application requirements.



## ERGONOMICS

The ergonomically designed operator compartment, with a familiar automotive layout, means that drivers will be able to work comfortably.



## LOW COST OF OWNERSHIP

The use of high quality, robust components, efficient filtration and excellent cooling helps contribute to reliable operations and lower wear and tear.



## SERVICEABILITY

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





### 1. SAFETY AND STABILITY

- Wide view mast
- High strength overhead guard
- Muffler and engine protective system
- Low centre of gravity

### 2. COMFORT

- 3.5" Colour LCD
- Large foot room on floor plate
- Hand parking brake lever with button reduces fatigue in operation
- Small diameter steering wheel with adjustable steering column

### 3. EASY MAINTENANCE

- Large access area for service and repairs
- Simple components

### 4. RELIABILITY AND EXCHANGEABILITY

- One piece welded overhead guard
- Exchangeable components across models

### 5. ENVIRONMENTAL PROTECTION

- Noise isolation material
- Environmentally-aware design

# GDP8.0-10.0MX6

## Series features

The Yale MX Series was designed for less demanding applications, offering a dependable and cost-effective solution to get the job done - all backed by the trusted Yale name. This low maintenance truck enhances productivity while minimizing operational costs.

1

### HIGH STRENGTH OHG

The overhead guard features profiled steel to enhance operator protection.

2

### FULL SUSPENSION SEAT

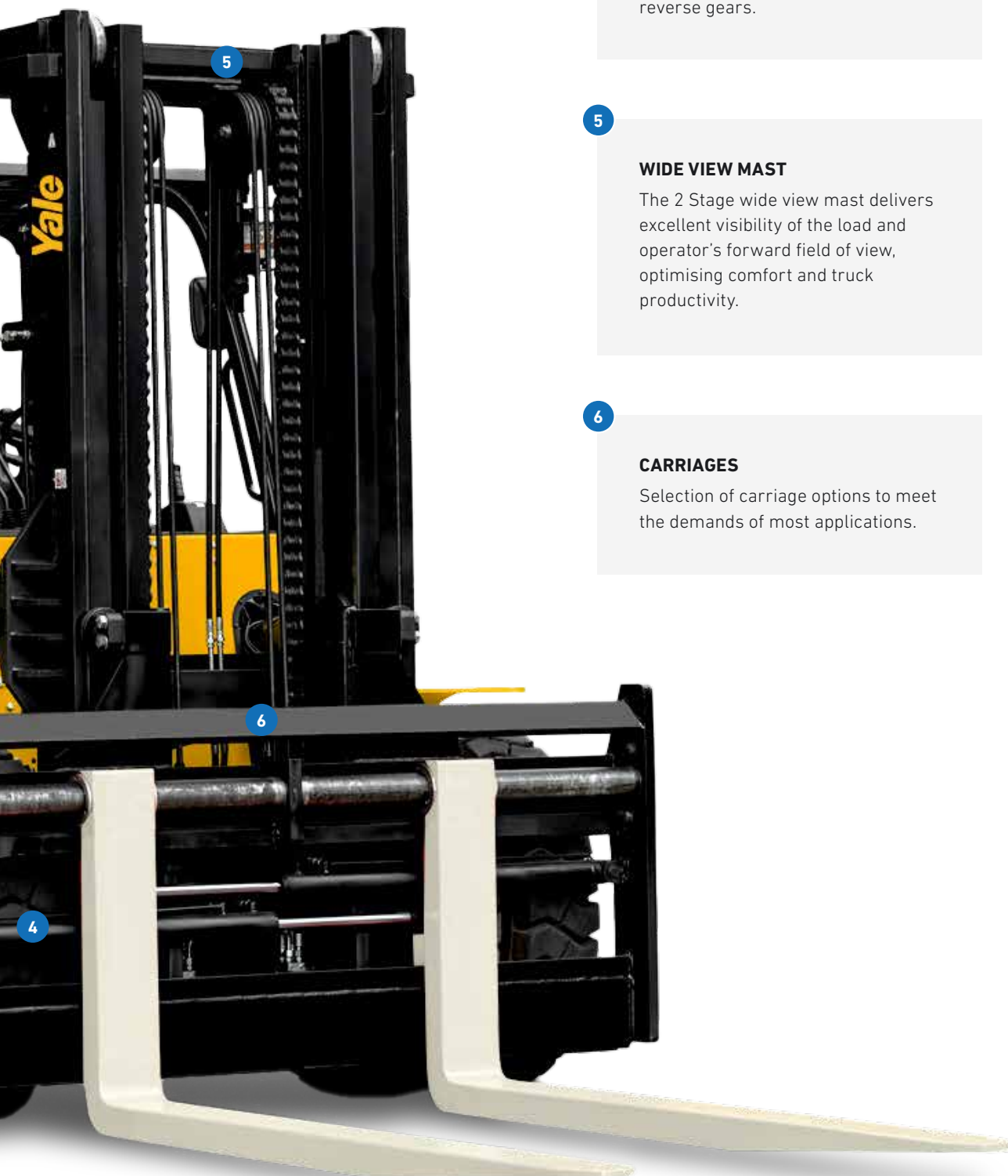
A full suspension seat that offers excellence in comfort, with an operator presence system fitted as standard. Non suspension seats are optional.

3

### INDUSTRIAL ENGINE

The well known Tier 3 or Stage V Cummins 3.8L engine provides sufficient power for continued operation and optimal reliability.





4

#### **DRIVE TRAIN**

Heavy duty and robust electronic ZF transmission with three forward and reverse gears. Optional powershift transmission with two forward and reverse gears.

5

#### **WIDE VIEW MAST**

The 2 Stage wide view mast delivers excellent visibility of the load and operator's forward field of view, optimising comfort and truck productivity.

6

#### **CARRIAGES**

Selection of carriage options to meet the demands of most applications.



# Simplicity in maintenance. Flexibility in customization.

Efficiency and ease of maintenance are critical in your operation. The MX Series can be easily serviced and maintained in the field with limited tools due to the low complexity of the drive and lift systems. Various configurations and a range of optional features are available to meet your specific operational requirements without compromising on performance.



## **RELIABLE PERFORMANCE**

Operators get the control and performance they need to keep warehouses moving every single day. And with the Yale standard of reliability and comfort built in, managers can count on the GDP8.0-10.0MX6 to get the best out of their team.



## **EASY TO SERVICE**

The GDP8.0-10.0MX6 are easy to maintain, helping you avoid the equipment downtime and minimizing service costs. If there is a problem, you can rely on spare parts availability, rapid support and truck and powertrain warranties.



## **STRAIGHT FORWARD REPAIRS**

Limited computer-based diagnostics required keeps service tasks and troubleshooting simple and straight forward.



## **FULL SUPPORT**

With the GDP8.0-10.0MX6 you are not just getting a lift truck, you're getting a dedicated resource focused on your success. Our independent Yale dealers are committed to helping you evolve and excel, whether you have one small operation or multiple facilities across the globe.

# Key features

The GDP8.0-10.0MX6 design priorities operator comfort. A range of standard features and options allow the truck to be tailored to specific applications needs. This, together with the fast availability of the cost effective replacement parts, helps to reduce service, maintenance, and cost.



## EASE OF ACCESS

Multi step entry system with low step height to reduce effort while entering and exiting.



## CONTROLS

Mechanical hydraulic levers provide precise control of the mast and carriage delivering excellent load handling.



## SERVICEABILITY

Simple electrical system with a secure electrical and battery compartment.



## COST OF OWNERSHIP

Oil immersed brakes improve performance and reduce maintenance costs.

# Engine specifications

## QSF 3.8

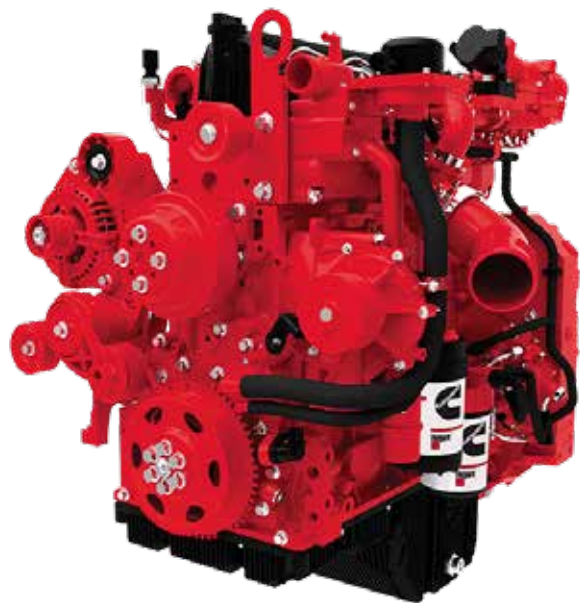
- Electronic High Pressure Common Rail (HPCR) Fuel System
- Wastegated Turbocharger with CAC
- Remote Electronic Control Module (ECM)
- Globally serviceable and after-market support

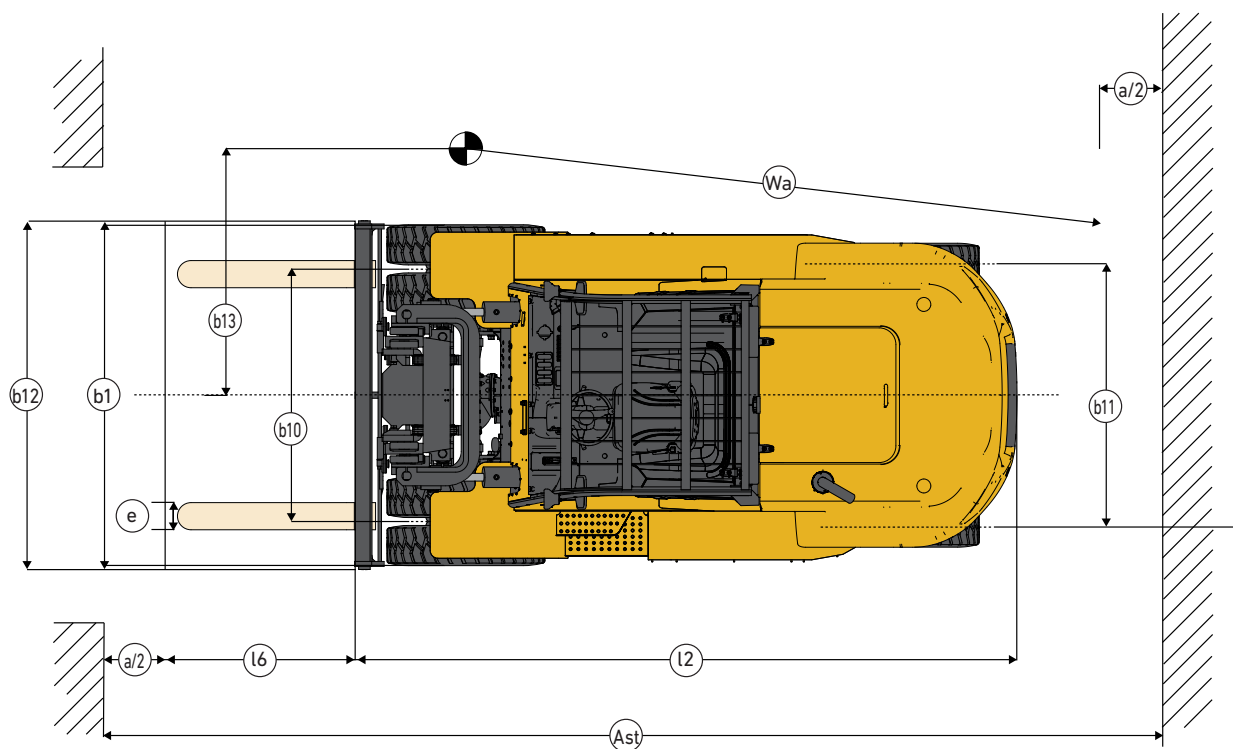
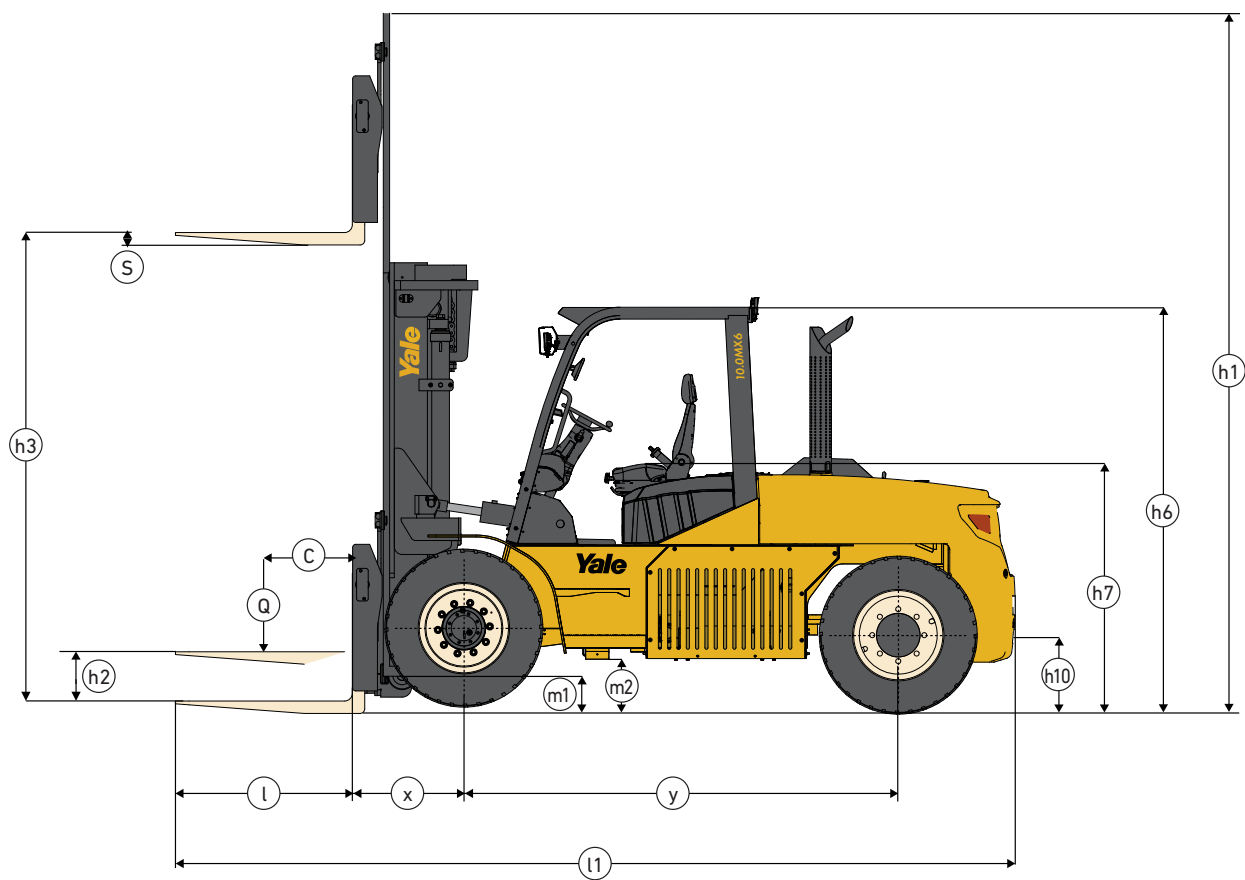
## QSF 3.8 C115 (T3 / R96) ENGINE

- 115 hp (86kw) @ 2200 rpm
- Peak Torque is 470 Nm @ 1100~1700 rpm

## QSF 3.8 C121 (STAGE V / GB4 / T4 / KMOE5) ENGINE

- 121 hp (90 kW) @ 2200 rpm
- Peak Torque is 500 Nm @ 1500 rpm







## GDP8.0-10.0MX6 GENERAL SPECIFICATIONS

DISTINGUISHING MARK	1.1	Manufacturer			Yale	
	1.2	Manufacturer's type designation			GDP8.0MX6	GDP10.0MX6
	1.3	Drive: electric(battery or mains, ...), diesel, petrol, fuel gas			Diesel	Diesel
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker			Seated	Seated
	1.5	Rated capacity / rated load	kg	Q	8000	10000
	1.6	Load centre distance	mm	c	600	600
	1.8	Load distance, centre of drive axle to fork	mm	x	723	723
	1.9	Wheelbase	mm	y	2860	2860
	1.10	Stacking height (number × container height, in feet)		h23	3000	3000
WEIGHT	2.1	Service weight	kg		12720	13770
	2.2	Axle loading, laden front / rear	kg		19460/1260	21670/2100
	2.3	Axle loading, unladen front / rear	kg		6790/6030	6860/6910
TYRES / CHASSIS	3.1	Tyres: Solid rubber, superelastic, pneumatic	Type		Pneumatic	Pneumatic
	3.2	Tyre size, front			9.00-20 14PR	9.00-20 14PR
	3.3	Tyre size, rear			9.00-20 14PR	9.00-20 14PR
	3.5	Wheels, number front / rear ( × = driven wheels)			4/2	4/2
	3.6	Tread, front	mm	b10	1918	1918
	3.7	Tread, rear	mm	b11	1723	1723
DIMENSIONS	4.1	Tilt of mast / fork carriage, forward / backward		$\alpha / \beta$	6/12	6/12
	4.2	Height, mast lowered	mm	h1	2850	2850
	4.3	Free lift	mm	h2	170	170
	4.4	Lift	mm	h3	3047	3047
	4.5	Height, mast extended	mm	h4	4249	4249
	4.7	Height of overhead guard (cabin)	mm	h6	2581	2581
	4.8	Seat height relating to SIP / stand height	mm	h7	1465	1465
	4.12	Coupling height	mm	h10	485	485
	4.19	Overall length	mm	l1	5500	5500
	4.20	Length to face of forks	mm	l2	4280	4280
	4.21	Overall width	mm	b1 / b2	2164	2164
	4.22	Fork dimensions DIN ISO 2331	mm	s/e/l	80/175/1220	80/175/1220
	4.23	Fork carriage ISO 2328. Class/type, A, B			Pin type	Pin type
	4.24	Fork-carriage width	mm	b3	2250	2250
	4.31	Ground clearance, laden, below mast	mm	m1	225	225
	4.32	Ground clearance, centre of wheelbase	mm	m2	302	302
	4.33	Load dimension b12×l6	mm	b12×l6	1200X1200	1200X1200
	4.34	Aisle width for pallets 1000 x 1200 crossways	mm	Ast	6020	6020
	4.34.1	Aisle width for pallets 800 x 1200 lengthways	mm	Ast	6020	6020
	4.35	Turning radius	mm	Wa	3900	3900
PERFORMANCE	4.35.1	Turning radius with 20' container crossways	mm	Wa20	N/A	N/A
	4.35.2	Turning radius with 40' container crossways	mm	Wa40	N/A	N/A
	4.36	Internal turning radius	mm	b13	1587	1587
	5.1	Travel speed, laden / unladen		km/h	21/25	21/25
	5.2	Lift speed, laden / unladen		mm/s	320/340	320/340
COMBUSTION-ENGINE	5.3	Lowering speed, laden/unladen		m/s	390/290	390/290
	5.5	Drawbar pull laden/unladen		KN	58/52	58/52
	5.7	Gradeability, laden/unladen		%	20/20	20/20
	7.1	Engine manufacturer/type			Cummins QSF3.8	Cummins QSF3.8
	7.2	Engine power according to ISO 1585		KW	86	86
	7.3	Rated speed		min <sup>-1</sup>	2200	2200
	7.4	Number of cylinders/displacement		(-)/(cm³)	4	4
	7.5	Fuel consumption according to DIN EN 16796		l/h or kg/h	9.2kg/h	9.2kg/h
	7.6	Turnover output according to VDI 2198		t/h	630t/h	630t/h
	7.7	Turnover efficiency according to VDI 2198		t/l or t/kg	48.8t/kg	48.8t/kg
ADDITIONAL DATA	7.9	Vehicle electrical system voltage		V	24	24
	7.10	Battery voltage / nominal capacity		(V)/(Ah)	24/80	24/80
	10.1	Operating pressure for attachments		bar	140	140
	10.2	Oil volume for attachments		l/min	140	140
	10.4	Fuel tank, capacity		l	140	140
	10.7	Sound pressure level at the driver's seat		dB (A)	87	87

## GDP8.0-10.0MX6 MAST TABLE

Maximum fork lift	Overall Extended Height		Free lift	Load Distance	Mast Tilt		Capacity 600mm load centre Dual front tyre		Mast weight	
	Lowered Height	Without LBR	Without LBR							
	8.0-10.0T	8.0-10.0T	8.0-10.0T		Forward	Back	8.0T	10.0T	8.0T	10.0T
(mm)	(mm)	(mm)	(mm)	(mm)	(°)	(°)	(kg)	(kg)	(kg)	(kg)
2 STAGE LFL										
3000	2850	4285	210	718	6	12	8000	10000	3128	3128
3300	3000	4585	210	718	6	12	8000	10000	3212	3212
3500	3100	4785	210	718	6	12	8000	10000	3257	3257
3750	3225	5035	210	718	6	12	8000	10000	3307	3307
4000	3400	5335	210	718	6	12	8000	10000	3447	3447
4500	3650	5835	210	718	6	12	8000	10000	3552	3552
5000	3900	6335	210	718	6	6	7800	10000	3664	3664
5500	4200	6885	210	718	3	6	7400	9000	3905	3905
6000	4450	7385	210	718	3	6	7000	8000	4015	4015

## GDP8.0-10.0MX6 FEATURES LIST

PERFORMANCE	STD	OPT	VISIBILITY	STD	OPT
Cummins QSF3.8 C115 (T3/R96)	●		Internal mirrors	●	
Cummins F3.8 C121 (Stage V/GB4/T4/Korea 5)		●	LED work lights	●	
Wastegate turbocharger, water cooled	●		Turn signals & marker lights (LED)	●	
Hibernate Idle	●		Rear view camera system		●
Powertrain protection system	●		Mast camera with display screen		●
Heavy duty air intake	●		Radar object detection system		●
Heavy duty air intake with pre cleaner		●			
Basic 2F/2R electronic control transmission		●	OPERATION	STD	OPT
ZF 3F/3R electronic control transmission	●		24 volt electrical system	●	
Drive axle with drum brakes		●	Horn	●	
Drive axle with wet brakes	●		Visible alarm – amber strobe light, keyswitch activated	●	
DRIVE	STD	OPT	Audible alarm – reverse direction activated 82–102 dB(A), self-adjusting	●	
09.00-20-14PR pneumatic, tires	●		Seatbelt interlock for engine start and truck operation		●
Speed limiter		●	Hyster tracker wireless asset management - monitoring		●
LIFT	STD	OPT	Hyster tracker wireless asset management - access / verification		●
2 stage limited freelif mast	●		APPEARANCE	STD	OPT
6° forward /12° back tilt	●		Yale gold paint base truck	●	
6° forward /6° back tilt		●	SUPPLEMENTAL	STD	OPT
3° forward /6° back tilt		●	Literature package	●	
HANDLING	STD	OPT	Operator's manual	●	
2250mm (89") wide individual fork positioner	●		Warranty: 12 Months / 2,000 hours parts & labor manufacturer's warranty	●	
2250mm (88") wide sideshift, simultaneous fork positioner		●			
2450mm (96") wide sideshift, simultaneous fork positioner		●			
2650mm (104") wide sideshift, simultaneous fork positioner		●			
1220 x 175 x 80mm PIN type standard tapered fork	●				
Selection of alternative fork lengths		●			
ERGONOMICS	STD	OPT			
Overhead guard	●				
Top screen		●			
Partial cab operator compartment		●			
Full steel cab operator compartment		●			
Heavy duty air conditioning		●			
Heater		●			
Operator fan		●			
Front, top and rear wipers		●			
"I"-pattern front wiper		●			
Isolated cabin mounting		●			
Operator presence system	●				
Mechanical suspension seat	●				
Low backrest seat	●				
Vinyl seat cover	●				
Floor mat	●				
Multifunction display panel	●				
Steering wheel with spinner knob	●				
Directional control lever on steering column	●				
Manual park brake	●				
Tilting steering column	●				


# About Yale

Yale Lift Truck Technologies leverages over a century of material handling experience and substantial investment in innovation to bring the most advanced technology-driven lift truck solutions to market. The company offers a full line of award-winning lift trucks, including reach trucks, order pickers, turret trucks, pallet jacks and trucks, pallet stackers, tow tractors and counterbalanced forklifts, as well as powerful operator assist solutions, proven robotics and a wide range of power sources to help customers adapt to today's demanding supply chain. Yale and its independent dealer network support these solutions with comprehensive after-sales service, parts, financing and training.

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## MATERIALS HANDLING FOR:

- Third-party logistics (3PL)
- Auto parts distribution
- Beverage
- Cold & frozen foods
- Food distribution
- Food processing
- Furniture & furnishings
- Government
- Health & pharma
- Home centers & durables
- Retail & e-commerce