

KOMATSU

CX50

3.5 / 4.0
4.5 / 5.0 ton

Series

DIESEL & GASOLINE FORKLIFT TRUCKS

EPA Tier 3 / EU Stage IIIA Emission Compliant



www.Komatsu.com

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Form No. BR-CX50emi-002

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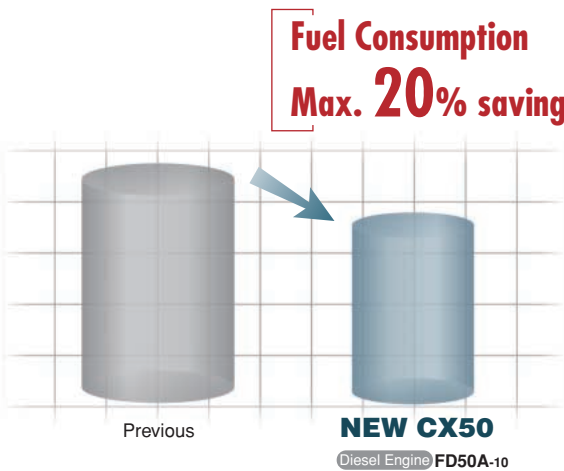
"Reducing Total Operating Costs" with Komatsu Innovative Technologies

The fusion of advanced engines and Komatsu's unique hydraulic system enables the new CX50 series to achieve a significant reduction in the total operation costs and facilitates superior work performance. Our innovative machines challenge the conventional concept of the forklift.

Diesel Engine Truck	An optimum engine achieves low fuel consumption and high performance.
Gasoline Engine Truck	A fully electronically controlled engine with a 3-way catalytic system conforms to the latest emission regulations.

Komatsu's Hydraulic System and the NEW Diesel Engine reduce the Fuel Consumption

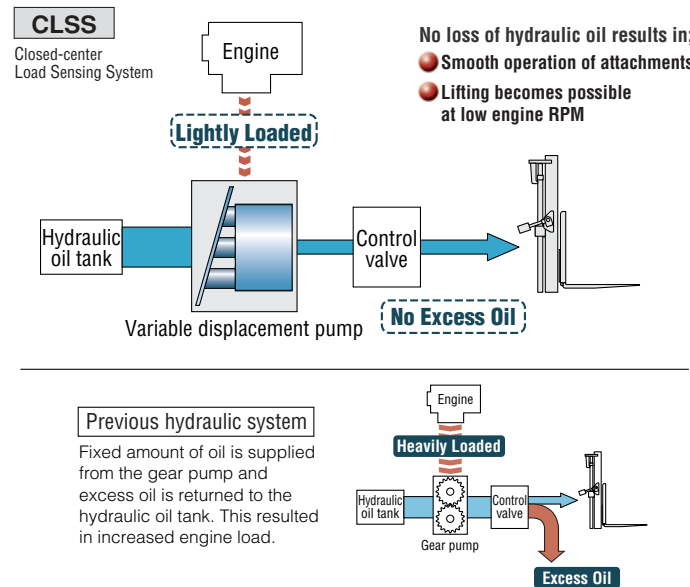
In order to minimize hydraulic loss and reduce the engine load, the new CX50 Series adopts the CLSS hydraulic system, a proven technology of Komatsu construction machines. The compact 3.3-liter engine features superior performance and achieves up to 20% less fuel consumption.



Komatsu tested data, comparison with FD50A-8 model.
The results may vary depending on conditions.

The "CLSS" contributes to Low Fuel Consumption and High Productivity

The Hydraulic load is automatically detected and only the appropriate amount of oil is supplied via a variable displacement pump. This system eliminates the loss of hydraulic oil and reduces the engine load.



Greatly Reduced Total Operating Costs (Diesel)

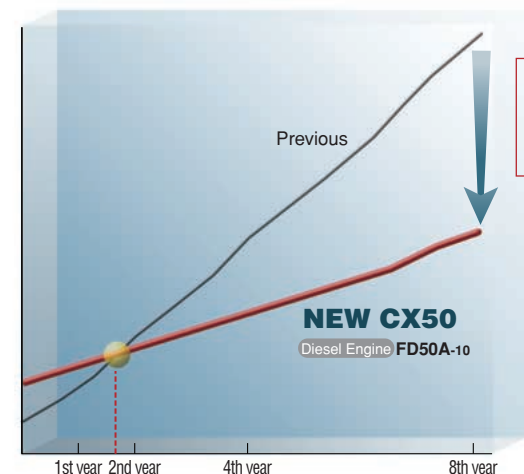
The sealed wet disc brakes can withstand about 10,000* hours operation without maintenance and eliminating frequent brake shoes replacements. The engine oil replacement interval has been extended for 300 hours, which reduces oil costs. The reduced maintenance costs and significant fuel saving provide a total operating cost reduction of about 14% over eight years of usage. *A periodical check and oil replacement are necessary. Komatsu genuine engine oil is recommended.

Running cost (Accumulated costs for 8 years)

Assuming FD50A-8 as 100%;



Total operating cost (*Image)



Total operating cost
Approx. 14% saving
(8 years)

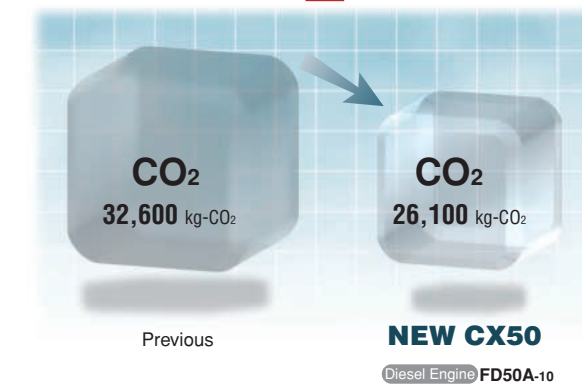
Komatsu tested data,
Comparison with FD50A-8 model.
Operation hours: 5 h/day,
25 days/month (Total: Approx. 1500 h/year),
Maintenance intervals to manufacturer's recommendation.
Cost calculation is based on Japanese market price.
The results may vary depending on conditions.

The Advanced Technology offers Reduced CO₂ Emissions (Diesel)

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The diesel models feature the SAA4D95LE-5-A engine in combination with the efficient CLSS hydraulic system, enabling them to reduce annual CO₂ emissions by about 6.5 tons.

Annual CO₂ emissions
About 6.5 tons reduction



Komatsu tested data, Comparison with FD50A-8 model.
The CO₂ emission coefficient is given in the Common Guidelines of the Japanese METI and MLIT (April 2006).
The results may vary depending on conditions.

An Advanced Diesel Engine conforms to the Latest Emission Regulations

Low fuel consumption and low environmental impact are enabled by elimination of excess combustion and the use of the combined technologies of the high pressure common rail system, electronic control system, new combustion system and air to air charge air cooling system.

EPA Tier 3 / EU Stage IIIA Emission Compliant

ecot3
ecology & economy - technology 3

SAA4D95LE-5-A
Displacement:
3,260 cm³
Rated Output:
59.7 kW @ 2,400 min⁻¹
Maximum Torque:
321 Nm @ 1,600 min⁻¹



Gasoline Engine with a 3-Way Catalytic System

An electronic controlled engine with a 3-way catalytic system ensures a clean workplace.

EPA and CARB Tier 2 Emission Compliant

EBT-TB45-1A*
Displacement:
4,478 cm³
Rated Output:
62.5 kW @ 2,400 min⁻¹
Maximum Torque:
272 Nm @ 1,600 min⁻¹

* EBT-TB45-1A for Gasoline.



Superior "Productivity" and "Reliability" satisfy demanding operations

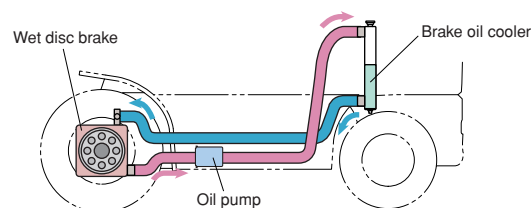
Durable Wet Disc Brakes to withstand Severe Conditions

The wet disc brake is sealed with oil to block dust penetration, providing durable, water resistant and fade resistant characteristics. Smooth, stable braking provides "Productivity" and "Reliability" in demanding operation.



A Cooling System to achieve Increased Braking Stability

The oil in the wet disc brake system is circulated through the brake oil cooler. This mechanism ensures stable braking under a heavy work load and prevents deterioration of the braking force due to raised oil temperatures.



A Cushion Valve improves the Brake Feeling

Komatsu's unique cushion valve enables a controlled braking force that precisely reflects the pressure on the brake pedal. The braking behavior is thus improved.

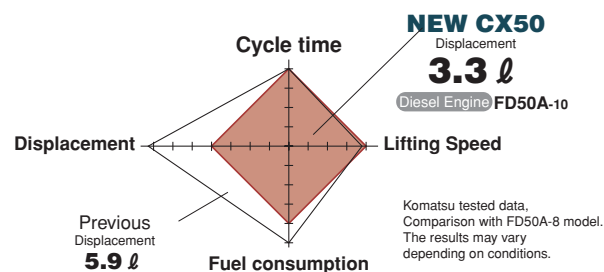
- Steady breaking is always achieved.
- Overheating of the brakes is prevented.
- Rough stopping is prevented when braking.
- Downtime and maintenance costs are reduced.

First-class Productivity is achieved

First-class Cycle Time

The diesel models adopt a compact 3.3-liter engine with the advanced CLSS hydraulic system to achieve high productivity and a first class cycle time. The gasoline engine model also achieves a superior cycle.

- The NEW CX50 Series achieves high productivity equivalent to the previous CX Series.



- Lifting Speed (Loaded)

Diesel Engine FD50A-10

470 mm/s

Gasoline Engine FG50A-10

440 mm/s

- Traveling Speed (Unloaded)

Diesel Engine FD50A-10

25.0 km/h

Gasoline Engine FG50A-10

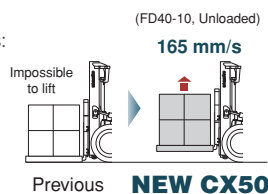
24.5 km/h

The CLSS enables Lifting at Low Engine RPMs

The CLSS makes it possible to lift the load for fine height adjustment without increasing the engine speed.

Reduced engine RPM in the following cases:

- Fine adjustment of fork height
- Lifting fork tips before starting
- Fine adjustment for side shifting



The CLSS enables advantages such as:

- Smooth traveling during hydraulic operation
- Superior productivity is also featured when fitted with attachments
- Fuel consumption reduction up to 20% (Diesel)

Fully Hydrostatic Power Steering for Superb Maneuver

The FHPS (Fully Hydrostatic Power Steering) mechanism facilitates fully stationary steering as well as switchback operations using the small diameter steering wheel. The system has a superior response capability so that the operator can pick up or place cargo flexibly even in a narrow space. In addition, steering knob synchronizer function is available.

Excellent Durability for Demanding Work

Rugged Design with High Rigidity

The high rigidity mast, frame, front and rear axles ensure outstanding reliability even when performing heavy-duty work.

[Mast]

A heavy mast rail profile for excellent rigidity.

[Frame]

Increased thickness of the counterweight mounting section.

[Front axle]

The proven design of the Komatsu wheel loaders is adopted.

[Rear axle]

The durability of the Power Steering cylinders is improved.

Improved Reliabilities for the Hydraulic and Electrical Systems

The main hydraulic pipe connectors are face-sealed using O-rings. Waterproof connectors are provided to the main harnesses and the system controller in order to provide higher resistance to water and dust. Hydraulic and electrical piping systems are in separate configurations to improve the reliability and servicing.

Engine Protection for Maintaining the Engine in Top Condition

The electronic engine controls upgrade the performance of the engine protection (fail-safe functions).

- Trouble diagnosis:
Engine malfunctions are automatically detected and an alarm lamp blinks.
- Overheating prevention (Diesel):
The engine output and RPMs are reduced when the coolant temperature is high.
- Automatic engine warm-up (Diesel):
The RPMs are accelerated to warm up the engine at low temperatures.
- Automatic air pre-heating (Diesel):
The engine is automatically pre-heated when starting it at low temperatures.



Engine failure indicator



The Compact 5.0 ton model

The compact 5.0 ton model features a shorter wheelbase and swift mobility while maintaining the power and speed capable of achieving high productivity.



Advanced Design in Pursuit of "Safety and Comfort"

Effective Safety Mechanisms

"Operator Presence Sensing system"

The Operator Presence Sensing system incorporates a Lifting/Traveling interlocking function. This is a safety function for disabling traveling and lifting mechanisms when the operator is not correctly occupying the seat. An alarm buzzer sounds if the operator leaves the seat while traveling.

*The traveling interlocking function only disengages traction and does not automatically apply the brakes.
* Operator Presence Sensing system: ISO3691-1 compliant



Lifting interlock lamp on the control panel



When the operator leaves the seat, Operator Presence Sensing system is activated

Parking Brake Alarm



A double action type brake lever prevents mishandling

A Neutral Start Function for Preventing a Sudden Start

The engine cannot be started unless the F-R switch is in the neutral position.



Neutral indicator for at-a-glance information

A Wide Angle Center Mirror enables an Easy Rearview



ISO-Compliant Enhanced Overhead Guard for Operator's Protection

A Safety Mechanism that prevents starting the engine unless the brake pedal is pressed

Secure Operation Controls Improve Operator Work Efficiency

Secure Lever Controls with Minimum Movement



Finger-tip operation with the electric F/R lever



Control lever with an excellent hand fitting profile

A Smaller Steering Wheel ☐ Permits Widened Front Visibility

Use of a smaller steering wheel and redesign of the dashboard have improved the visibility of the bottom of the fork, thus further facilitating the lifting operation.

Steering wheel diameter: 300 mm



Improved Brake Feeling

Komatsu's unique cushion valve enables control of the braking force in proportion to the pressure on the brake pedal and improves the brake feeling.



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Comfortable & Fatigue-Free Operation Even Over Long-Hour Operation

Dual Floating Structure Reduces Vibrations

A unique dual vibration cushioning mechanism reduces vibrations in the compartment, steering wheel, control levers and the mast. Any vibrations transmitted from the engine or road surface are quickly absorbed. The mechanism is friendly to both operator and load.



●Suspension cab
The entire cab is isolated from the frame.

●Power train floating
The engine and transmission are isolated from the frame.

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Suspension Seat for Improved Comfort at Work

The deluxe suspension seat features improved vibration resistance and reduces the burden on the body.

- Six-step reclining backrest
- 170 mm slide distance backward and forward
- Seat cushion adjustment dial
- The retractable seat belt



Comfortable Reversing by Preventing Exposure to Hot Air/Exhaust Gas

Two counterweight air outlets are provided on the left and right sides and an exhaust pipe outlet is provided at a lower position so that the operator is not exposed to hot air from radiator or to exhaust gasses when reversing.

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Exhaust outlet

Smooth Getting On/Off



Enlarged assist grip



Improved design of engine hood and step

The Low Noise Design

The low-noise design of the engine and the fully sealed floor reduce offending noise volumes during operation.

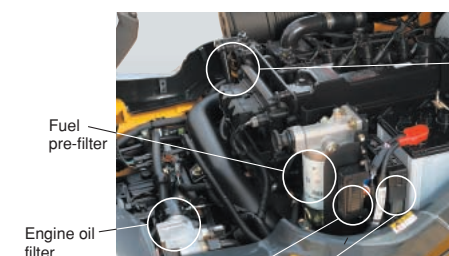
Clean Exhaust Air with a 3-Way Catalytic System (Gasoline)

The 3-way catalytic system purifies the nitrogen oxide (NOx), hydrocarbons (HC) and carbon monoxide (CO) emissions.

Careful Design Facilitates Inspection and Servicing

Filter Layout Optimization for Improved Serviceability

A fully-opening floor plate.



Fuel pre-filter
Engine oil filter

Fuel main filter

Engine hood locking provides safety servicing

Fuse and relay boxes are arranged in the same location

Easy Radiator Cleaning



Wide Opening Engine Hood with a Lock for Easy Servicing



Model



Compact model

This model is designed specifically for operating in restricted spaces. The load center is 500 mm.



Standard model

This model is designed to perform a broad range of general-purpose applications. The load center is 600 mm.

Optional Specification Truck

LPG specification truck

Komatsu offers both single fuel (LPG) and dual fuel systems (LPG/Gasoline) for the LPG Specification truck.

Mast

2-stage free view mast

The mast enables a wide view with excellent forward visibility.

2-stage full free view mast

This is ideal for sites with height limitations, where the large free lift is required.

3-stage full free view mast

The mast extends in three stages and high level loading is easily performed.

Attachments

Side shifter

The fork may be shifted sideways together with its backrest, both to the right and to the left.

Fork positioner

The operator is able to adjust the fork spread width from the operator's seat.

Hinged fork

The fork tilts up/down using its hinge as a fulcrum.

Load stabilizer

The load is securely held from the top by the pressure plate of the load stabilizer.

Bale clamp

This attachment is recommended for handling packed pulp or raw cotton. The bale is efficiently held from both sides by the bale clamps.

Fork clamp

This attachment is effective for handling packed cotton and rough textile loads by grabbing them firmly from both sides.

Block clamp

This attachment can pick up concrete blocks without using pallets.

Rotating fork

Used together with the fork inserted container, this attachment is used for transporting items such as powder, fluids, etc. The fork is rotated in order to discharge the load.

Roll clamp

Rolls of paper or cylindrical objects are safely and securely handled by this attachment. It is possible to rotate the clamped load through 360 degrees.

Options

Engine & power train related

- Extra fuel filters
- Pre-cleaner
- Spark arrester
- Upward exhaust muffler
- Radiator screen
- Right forward/reverse lever
- Automatic transmission (4.5 & 5.0 t)
- LPG swing down bracket (LPG)

Exterior

- Canvas cabin
- Steel cabin
- Heater
- Tilt cylinder boots
- Power steering cylinder protector plate
- Fuel cap with key
- Seat heater
- Front glass with wiper
- Rear view mirrors (pair)
- Resin overhead guard cover
- Fire extinguisher

Electrical equipment

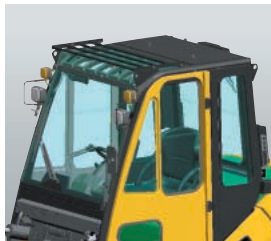
- Back-up chime
- Mast mount type head lights
- Rear working light
- Yellow strobe light
- Red strobe light

Meters & gauges

- Air cleaner element warning lamp
- Fuel level warning lamp
- Cooling water level warning lamp
- Battery electrolyte level warning lamp
- Speedometer with alarm
- Load checker
- Mast tilt angle gauge
- Individual key switch

Tyre-related

- Elastic cushion tyre
- Color non-marking tyre
- Double front tyre



Steel cabin



Upward exhaust muffler



Front glass with wiper

Major equipment

●: Standard ○: Option -: N/A

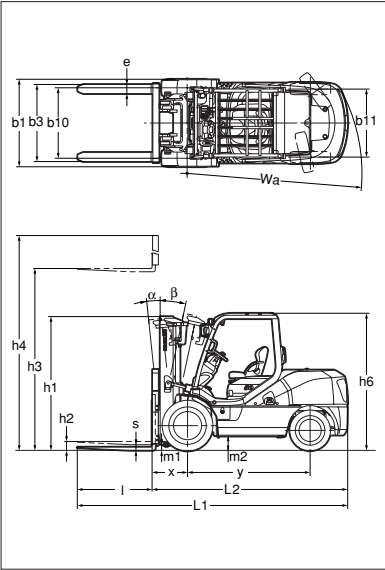
		CX50 Series	
Engine		Diesel	Gasoline/ LPG
CLSS (Closed-center Load Sensing System)		●	●
Wet disc brake		●	●
Engine-related	EPA Tier 3/EU Stage IIIA compliant Diesel engine	●	-
	EPA Tier 2 compliant Gasoline engine	-	●
	Electronic engine control system	●	●
	Heavy duty High Pressure Common Rail system	●	-
	New combustion system	●	-
	Air to air charge air cooling system	●	-
	Overheat prevention function	●	-
	Auto engine warm-up function	●	-
	Auto air pre-heat function	●	-
	3-way catalytic system	-	●
Traveling-related	Large capacity radiator	●	●
	Dual floating structure	●	●
	New operator's seat with suspension	●	●
	Small diameter steering wheel	●	●
	Tilttable steering column	●	●
	Electric forward/reverse lever	●	●
	Combination switch (turn signal light & light switch)	●	●
	Indicator auto-return mechanism	●	●
	Full-open step	●	●
	Paper binder at engine hood	●	●
Meters	Glove box at dashboard	●	●
	Meter panel	●	●
	Hourmeter (6-digit)	●	●
	Engine cooling water temperature gauge	●	●
	Torque converter oil temperature gauge	○	○
Indicators	Fuel gauge	●	●
	Lifting interlock lamp	●	●
	Engine oil pressure warning lamp	●	●
	Charge warning lamp	●	●
	Neutral indicator	●	●
	Failure indicator	●	●
	Engine failure indicator	●	●
	Brake fluid pressure warning buzzer	●	●
	Air cleaner element warning lamp	○	○
	Fuel level warning lamp	○	○
Electric components	Cooling water level warning lamp	○	○
	Battery electrolyte level warning lamp	○	○
	Glow indicator	●	-
	Large capacity alternator	●	●
	Quick auto glow system	●	-
	Neutral start function	●	●
	Auto fuse	●	●
	Low maintenance battery	●	●
	Engine key stop function	●	-
	Halogen headlight	●	●
Mechanism	Rear combination light	●	●
	Back-up buzzer	●	●
	Operator Presence Sensing system	●	●
	Sedimenter with priming pump	●	-
	Cyclone air cleaner (double element)	●	●
	Parking brake with release button	●	●
	Fully hydrostatic power steering	●	●
	Steering knob synchronizer function	●	●
	Non-asbestos parking brake linings	●	●
	Key-off lift lock	●	●
Exterior	Floor mat	●	●
	Assist grip	●	●
	Overhead guard with front/rear conduits	●	●
	Wide angle center mirror	●	●
	Rear view mirrors (pair)	○	○
	Full shield solid-state engine hood	●	●
	Easy-removable floor panel	●	●
	Easy-removable radiator cover	●	●
	Engine hood lock	●	●
	Radiator reservoir tank	●	●
	Resin dashboard cover	●	●
	Jacking points	●	●

CX50 Series Specifications

Characteristics	1.2	Model		Manufacturer's Designation			FD40ZT-10	FD35T-10	FD40T-10	FD45T-10	FD50AT-10	FG40ZT-10	FG35T-10	FG40T-10	FG45T-10	FG50AT-10
	1.3	Power Type		Electric, Diesel, Gasoline, LPG, Cable			Diesel	Diesel	Diesel	Diesel	Diesel	Gasoline	Gasoline	Gasoline	Gasoline	Gasoline
	1.4	Operation Type					Sitting	Sitting	Sitting	Sitting	Sitting	Sitting	Sitting	Sitting	Sitting	Sitting
	1.5	Rated Capacity		Q	Rated Capacity	kg	4000	3500	4000	4500	5000	4000	3500	4000	4500	5000
	1.6	Load Center		c	Rated Load Center	mm	500	600	600	600	600	500	600	600	600	600
	1.8	Load Distance		x	Front Axle Center to Fork Face	mm	540	575	580	590	575	540	575	580	590	575
Weight	1.9	Wheelbase		y		mm	1800	2000	2000	2000	2000	1800	2000	2000	2000	2000
	2.1	Service Weight				kg	5735	5790	6270	6855	7295	5685	5740	6215	6800	7240
	2.2	Axle Loading		Loaded	Front	kg	8575	8115	8920	9950	10820	8530	8080	8885	9915	10785
	Rear				kg	1160	1175	1350	1405	1475	1155	1160	1330	1385	1455	
	2.3			Unloaded	Front	kg	2260	2560	2560	2770	2885	2215	2525	2525	2735	2850
	2.3.1				Rear	kg	3475	3230	3710	4085	4410	3470	3215	3690	4065	4390
Tyres	3.1	Tyre Type					Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic
	3.2	Tyre Size		Front			250-15-16PR(I)	8.25-15-12PR(I)	300-15-18PR(I)	300-15-18PR(I)	300-15-18PR(I)	250-15-16PR(I)	8.25-15-12PR(I)	300-15-18PR(I)	300-15-18PR(I)	300-15-18PR(I)
	Rear				7.00-12-12PR(I)	7.00-12-12PR(I)	7.00-12-12PR(I)	7.00-12-14PR(I)	7.00-12-14PR(I)	7.00-12-12PR(I)	7.00-12-12PR(I)	7.00-12-12PR(I)	7.00-12-14PR(I)	7.00-12-14PR(I)		
	3.5	Number of Wheel		Front/Rear (x=driven)			2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2
	3.6	Tread, Front		b10		mm	1115	1115	1150	1150	1150	1115	1115	1150	1150	1150
	3.7	Tread, Rear		b11		mm	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120
	Dimensions	4.1	Tilting Angle		α / β	Forward/Backward	degree	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12
4.2		Mast Height, Lowered		h1	2-stage Mast	mm	2100	2105	2105	2205	2205	2100	2105	2105	2205	2205
4.3		Std. Free Lift		h2	2-stage Std. Mast, from Ground	mm	155	155	160	145	145	155	155	160	145	155
4.4		Std. Lift Height		h3	2-stage Std. Mast, from Ground	mm	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000
4.5		Mast Height, Extended		h4	2-stage Std. Mast	mm	4130	4130	4130	4130	4345	4130	4130	4130	4130	4345
4.7		Height, Overhead Guard		h6		mm	2210	2250	2250	2250	2250	2210	2250	2250	2250	2250
4.19		Length, with Std. Forks		L1		mm	4025	4155	4220	4270	4405	4025	4155	4220	4270	4405
4.20		Length, to Fork Face		L2		mm	2955	3085	3150	3200	3185	2955	3085	3150	3200	3185
4.21		Width, at Tyre		b1	Single	mm	1350	1350	1450	1450	1450	1350	1350	1450	1450	1450
4.22		Forks		s/e/l	Thickness x Width x Length	mm	50 x 150 x 1070	55 x 150 x 1070	55 x 150 x 1070	55 x 150 x 1070	55 x150 x1220	50 x 150 x 1070	50 x150 x1070	55 x 150 x 1070	55 x 150 x 1070	55 x 150 x 1220
4.23		Fork Carriage Class		ISO 2328, Type A/B/no			Class3, A	Class3, A	Class3, A	Class3, A	Class4, A	Class3, A	Class3, A	Class3, A	Class3, A	Class4, A
4.24		Width, Fork Carriage		b3		mm	1190	1190	1190	1190	1270	1190	1190	1190	1190	1270
4.31		Ground Clearance		m1	Under Mast	mm	140	145	145	145	145	140	145	145	145	145
m2				at Center of Wheelbase	mm	175	225	220	220	220	175	225	220	220	220	
4.33		Right Angle Stacking Aisle		Ast	with L1000 x W1200 pallet	mm	4190	4375	4420	4480	4645	4190	4375	4420	4480	4645
Ast				with L1200 x W800 pallet	mm	4320	4505	4550	4610	4645	4320	4505	4550	4610	4645	
4.35		Turning Radius		Wa		mm	2580	2730	2770	2820	2850	2580	2730	2770	2820	2850
Performance	5.1	Travel Speed (FWD)		Loaded, 1st/2nd		km/h	18.0/-	18.5/-	18.0/-	14.5/24.0	14.5/24.0	18.0/-	18.0/-	18.0/-	15.5/23.0	14.5/23.5
	Unloaded, 1st/2nd			km/h	19.0/-	19.5/-	19.0/-	15.5/25.0	15.5/25.0	19.0/-	19.0/-	19.0/-	16.5/24.0	15.5/24.5		
	5.2	Lifting Speed		Loaded		mm/s	540	540	540	470	470	510	510	510	440	440
	Unloaded			mm/s	560	560	560	480	480	510	510	510	440	440		
	5.3	Lowering Speed		Loaded		mm/s	500	500	500	500	500	500	500	500	500	500
	Unloaded			mm/s	500	500	500	500	500	500	500	500	500	500		
	5.6	Max. Drawbar Pull		Loaded 1.5 km/h, 3 min rating		kN	27	27	27	33	33	24	24	24	28	28
	5.8	Max. Gradeability		Loaded 1.5 km/h, 3 min rating		%	30	28	28	29	28	28	25	25	26	25
5.10	Service Brake		Operation/Type			Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	
5.11	Parking Brake		Operation/Control			Hand/Mechanical	Hand/Mechanical	Hand/Mechanical	Hand/Mechanical	Hand/Mechanical	Hand/Mechanical	Hand/Mechanical	Hand/Mechanical	Hand/Mechanical	Hand/Mechanical	
5.12	Steering		Type			FHPS	FHPS	FHPS	FHPS	FHPS	FHPS	FHPS	FHPS	FHPS	FHPS	
Others	6.4	Battery		Voltage/Capacity at 5-hour rating		V/Ah	12/64	12/64	12/64	12/64	12/64	12/38	12/38	12/38	12/38	12/38
	7.1	Make Model					KOMATSU	KOMATSU	KOMATSU	KOMATSU	KOMATSU	NISSAN	NISSAN	NISSAN	NISSAN	NISSAN
					SAA4D95LE-5-A	SAA4D95LE-5-A	SAA4D95LE-5-A	SAA4D95LE-5-A	SAA4D95LE-5-A	EBT-TB45-1A*	EBT-TB45-1A*	EBT-TB45-1A*	EBT-TB45-1A*			
	7.2	Rated Output, SAE net				kW	59.7	59.7	59.7	59.7	59.7	62.5	62.5	62.5	62.5	62.5
	7.3	Rated RPM				min ⁻¹	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400
	7.3.1	Max. Torque, SAE net				Nm@min ⁻¹	321@1600	321@1600	321@1600	321@1600	321@1600	272@1600	272@1600	272@1600	272@1600	272@1600
	7.4	No. of Cylinder/Displacement				cm ³	4-3260	4-3260	4-3260	4-3260	4-3260	6-4478	6-4478	6-4478	6-4478	6-4478
	7.6	Fuel Tank Capacity				L	76	98	98	98	98	76	98	98	98	98
	8.2	Relief Pressure for Attachment				MPa	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6
	8.2.1	Hydraulic tank Capacity				L	55	72	72	72	72	55	72	72	72	72
8.7	Transmission					TORQFLOW	TORQFLOW	TORQFLOW	TORQFLOW	TORQFLOW	TORQFLOW	TORQFLOW	TORQFLOW	TORQFLOW	TORQFLOW	TORQFLOW

Note*: EBT-TB45-1A for Gasoline, EBT-TB45-2A for Gasoline/LPG, EBT-TB45-3A for LPG specification.

Dimensions



Right angle stacking aisle width

model	Length of pallet (mm)	Width of pallet (mm)						
		800	900	1000	1100	1200	1300	1400
FD40Z FG40Z	800	4190	4190	4190	4190	4190	4190	4190
	900	4190	4190	4190	4190	4190	4190	4190
	1000	4190	4190	4190	4190	4190	4190	4190
	1100	4220	4220	4220	4220	4220	4220	4220
	1200	4320	4320	4320	4320	4320	4320	4320
	1300	4420	4420	4420	4420	4420	4420	4420
	1400	4520	4520	4520	4520	4520	4520	4520
FD35 FG35	800	4375	4375	4375	4375	4375	4375	4375
	900	4375	4375	4375	4375	4375	4375	4375
	1000	4375	4375	4375	4375	4375	4375	4375
	1100	4405	4405	4405	4405	4405	4405	4405
	1200	4505	4505	4505	4505	4505	4505	4505
	1300	4605	4605	4605	4605	4605	4605	4605
	1400	4705	4705	4705	4705	4705	4705	4705
FD40 FG40	800	4420	4420	4420	4420	4420	4420	4420
	900	4420	4420	4420	4420	4420	4420	4420
	1000	4420	4420	4420	4420	4420	4420	4420
	1100	4450	4450	4450	4450	4450	4450	4450
	1200	4550	4550	4550	4550	4550	4550	4550
	1300	4650	4650	4650	4650	4650	4650	4650
	1400	4750	4750	4750	4750	4750	4750	4750

model	Length of pallet (mm)	Width of pallet (mm)						
		800	900	1000	1100	1200	1300	1400
FD45	800	4480	4480	4480	4480	4480	4480	4480
	900	4480	4480	4480	4480	4480	4480	4480
FG45	1000	4480	4480	4480	4480	4480	4480	4480
	1100	4510	4510	4510	4510	4510	4510	4510
	1200	4610	4610	4610	4610	4610	4710	4610
	1300	4710	4710	4710	4710	4710	4710	4710
FD50A FG50A	1400	4810	4810	4810	4810	4810	4810	4810
	800	4645	4645	4645	4645	4645	4645	4645
	900	4645	4645	4645	4645	4645	4645	4645
	1000	4645	4645	4645	4645	4645	4645	4645
	1100	4645	4645	4645	4645	4645	4645	4645
	1200	4645	4645	4645	4645	4645	4645	4645
	1300	4725	4725	4725	4725	4725	4725	4725
	1400	4825	4825	4825	4825	4825	4825	4825