

Engine output: **62.5 PS**
Machine weight: **4,715 kg**

For Earth, For Life
Kubota

R085



New standards in wheel loader performance and operator comfort.

It's all-new, inside and out, and ready for any job you give it. From Kubota, the well-known mini excavator brand, comes a new wheel loader designed get the job done faster and keep you working comfortably.



PERFORMANCE

You'll get the job done efficiently, thanks to the tough and reliable Kubota-built engine and flexible electronic hydrostatic transmission (HST) with four operating modes, each optimized to handle a specific type of loading work. You'll also get excellent breakout force and superior maneuverability, as well as excellent stability in all types of working conditions.



KUBOTA WHEEL LOADER

R085

OPERATOR COMFORT

The spacious cabin's ergonomic layout is designed to keep you working comfortably from start to finish.

SERVICEABILITY

Fast and easy access to all major service components ensures the R085 will be back on the job as quickly as possible.



KUBOTA ORIGINAL ENGINE

The R085 is powered by a robust Kubota-built 62.5 PS diesel engine. The eco-friendly engine is fitted with a diesel particulate filter (DPF) muffler, complies with Stage III B regulations for exhaust gas emissions, and features low noise, low vibration, and low fuel consumption.

SAFETY AND SECURITY

As always, security is paramount. A key-based anti-theft system keeps the R085 secure when you're not around. Six tie-down points ensure simple and secure transportation between sites.

OPERATOR COMFORT

A new level of operator comfort helps you work more efficiently



High-visibility cabin

All-new designed cabin features a fully enclosed glass to improve visibility in all directions. The full-glass left-side door and wide-opening right-side window provide clear views of the conditions outside. The rear of the cabin features rounded glass corners that, combined with the sloped bonnet, provide excellent visibility when reversing. Up front, a wide view and a redesigned Z-bar linkage configuration give you unobstructed views of the pallet fork tips from the driver's seat.

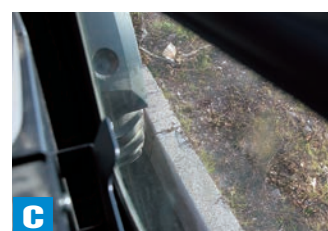
• FROM THE OPERATOR VIEW POINT



A
Pallet fork view



B
Quick Coupler connecting point



C
Side ground view



D
Back ground view

ciently and with less fatigue.



Modern digital display

Bright and easy-to-read, the digital instrument panel tells you at a glance everything you need to know about the machine's functions and conditions. A full set of diagnostic indicators automatically monitor critical machine conditions, letting you concentrate on the job at hand.



A Full-suspension seat

A full-size, full-suspension adjustable seat enhances operator comfort. The padded seat can be moved forward or back for optimum comfort.

B Tilt steering

With the flick of a lever, the steering wheel can be tilted up or down to the most comfortable and efficient position for drivers of all sizes.

C Adjustable right wrist rest

More than just a place to put your arm, the right-side wrist rest is an important factor in comfort during wheel loader operations. It reduces fatigue by reducing arm movement and allowing you to more easily operate the hand lever.

PERFORMANCE

An optimum balance of power and function for the perform

Electronic Hydrostatic Transmission (HST)

Loader work is smooth, fast and efficient, thanks to Kubota's electronic hydrostatic transmission. Its four operating modes are optimized to handle specific types of loading work, letting you choose the right mode for every loading job you do.



Normal mode

Normal mode lets you quickly start loading, carrying, collecting sand/gravel, and performing other jobs.



Power mode

For piling, excavating, and other jobs that require extra traction force. Power mode increases traction force by 40%.



Eco mode

Eco mode improves fuel efficiency by 10 -15%, letting you work longer between refueling stops. Better fuel efficiency is better for the environment as well as your budget.

Multi-function operating lever

All major loader functions are on a single lever that is easy to operate with just one hand. The 5-step speed control switch let you quickly change speeds and work at the optimum speed for the task.



Attachment mode

Choose attachment mode when working with a sweeper, mower, etc. You can then set and maintain a precise attachment speed by using the engine speed (AUX flow) control dial that is independent of the travel speed. In addition, the Attachment mode limits travel speeds to 4.8 km/h.



Aux hold switch:
A simple push of the Aux hold switch sets and maintains the hydraulic oil flow for the implement. (All modes)



Engine speed (AUX flow) control dial:
1050 - 2400 rpm
(Attachment mode only)

rmance you need to get the job done efficiently.



Working range

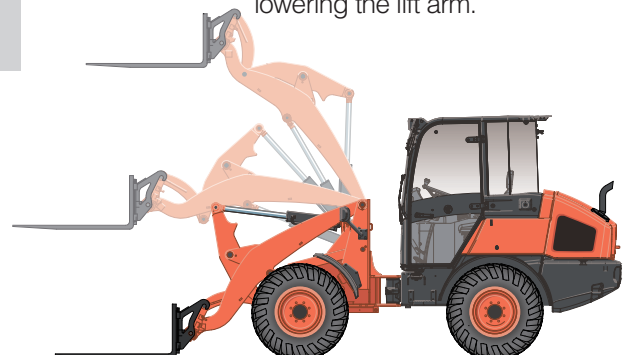
A long dumping reach and high dumping clearance make all types of dumping jobs easy. The long dumping reach and high dumping clearance lets you dump into truck beds with ease, while the long dumping reach makes pallet fork operations faster and more efficient.

Differential Lock (100% on demand, front + rear)

Should the wheels start to slip, simply press the differential lock switch to immediately engage both front and rear wheels. The result is positive, slip-free traction.

Arm tilt/parallel movement

Transporting a full loaded pallet with the pallet fork, Kubota's arm tilt/parallel movement structure keeps the load upright and steady, even while raising or lowering the lift arm.



SERVICE, SAFETY, AND SECURITY

A variety of service and safety features let you work safer &





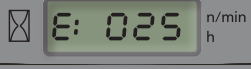

Easy maintenance

Servicing the Kubota R085 is a snap, helping to reduce downtime and maintenance costs and letting you get back to work as quickly as possible. The engine bonnet at the rear opens wide, providing quick and easy access to the machine's main service areas. Items that require routine maintenance and service, such as the dual-element air cleaner, engine oil refill, fuel filter, and water separator are within easy reach for fast and simple servicing. Quick-open panels on the right and left sides provide speedy access to the fuel refill (right side) and battery (left side). Other areas of the R085 are also easy to service and maintain.

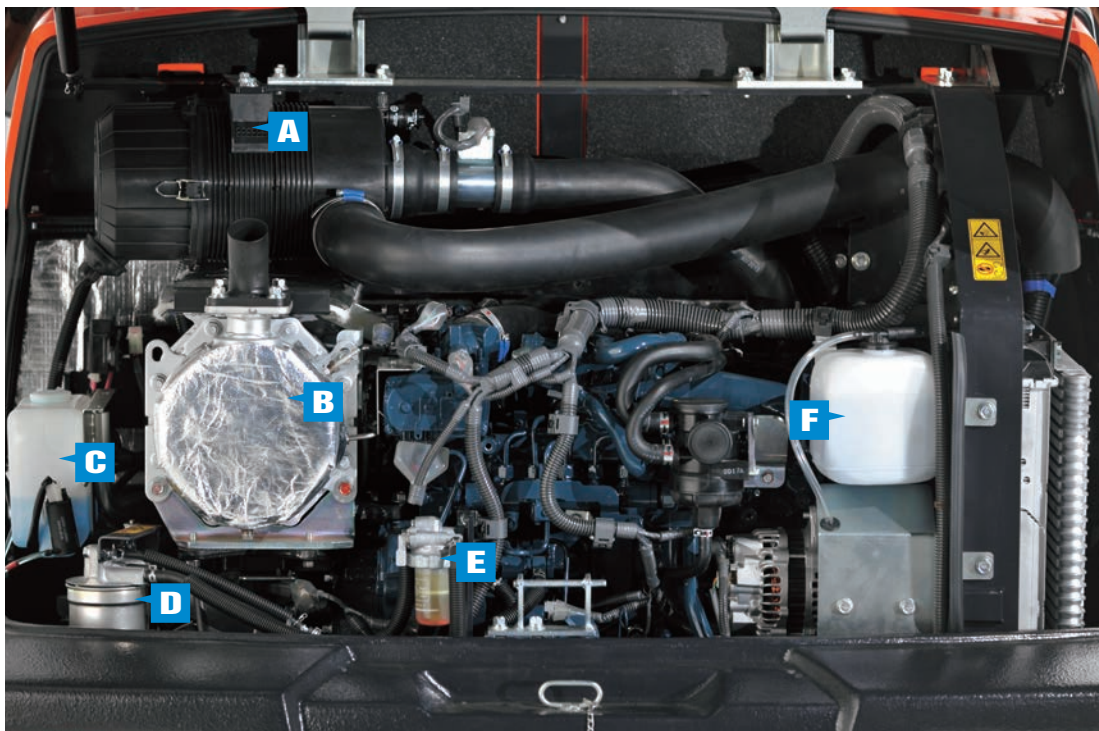
Digital diagnostic indicators

A bright easy-to-read digital diagnostic indicator keeps you fully informed of critical loader and engine conditions.

• Error display

 <i>Hydraulic oil temperature has reached a specified level</i>	 <i>Meter ECU communication error</i>
 <i>Parking brake error</i>	 <i>Fuel sensor system error</i>

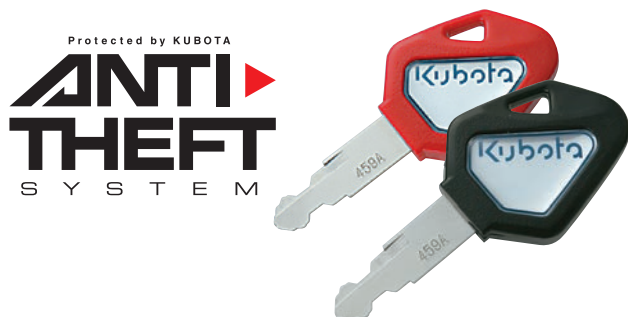
r and more securely.



- | | | |
|-----------------------------------|--|-----------------------|
| A Dual Element Air Cleaner | B Diesel Particulate Filter (DPF) muffler | C Washer Tank |
| D Fuel Filter | E Water Separator | F Reserve Tank |

Kubota anti-theft system

Your R085 is protected by Kubota's reliable anti-theft system. Only programmed keys will enable the engine to start up. Attempting to start with an un-programmed key will activate the alarm. Its features include an alert to remind the operator to extract the key after operation, and an LED to alert potential thieves that the system is activated.



Simple and secure transportation

With an overall height below 2500 mm, the R085 slips easily under road bridges for fast and safe transportation between job sites. Six tie-down points allow simple yet secure attachment to a truck bed for safety during transportation.



Standard Equipment

Engine/Fuel system

- KUBOTA original engine (Stage III B)
- Diesel particulate filter muffler
- Double-element air cleaner
- Fuel level indication buzzer

Travel system

- Changeable 5 level-travel speeds
- Differential lock (100% on demand, front and rear)
- Wet type disc brake
- Negative brake (parking brake)

Hydraulic system

- 4 operating mode selections by electronic hydrostatic transmission (Normal, Power, Eco, Attachment modes)
- Multi function operating lever with AUX proportional control
- Hydraulic lock switch
- AUX flow hold switch
- Inching and brake pedal (left)
- Attachment unlock switch
- Engine speed (AUX flow) control dial
- Float switch

Cabin

- Cabin with heater
- 2 front working lights on the cabin
- Weight-adjustable suspension seat (fabric seat) with left arm rest and back rest
- Retractable seatbelt
- Adjustable right wrist rest
- Digital panel with diagnosis function
- ROPS (Roll-over Protective Structure, ISO3471)

- FOPS (Falling Object Protective Structure, Level1, ISO3449)
- Radio installation (bracket, speaker, antenna, harness)
- Side mirrors
- Emergency exit hammer
- 12V power outlet
- Sun visor
- Tilt steering

Canopy

- Weight-adjustable suspension seat (PVC seat) with left arm rest and back rest
- Retractable seatbelt
- Adjustable right wrist rest
- Digital panel with diagnosis function
- ROPS (Roll-over Protective Structure, ISO3471)
- FOPS (Falling Object Protective Structure, Level1, ISO3449)
- Side mirrors
- 12V power outlet
- Tool storage space (under seat)
- Tilt steering

Working equipment

- 2 Head lights (Headlights and Signal Lights)
- Hydraulic quick coupler
- Z-bar linkage with parallel movement
- Rear combination light (Turn signal, Tail light, Brake light, Back light)

Safety

- 6 Tie down points
- Wheel chock
- Lift arm support
- Battery isolator
- Towing pin

Others

- KUBOTA original anti-theft system
- Maintenance free battery
- Grease gun holder
- Cup holder



Optional Equipment

Cabin

- Beacon light
- Cabin with air conditioner

Canopy

- Beacon light
- 2 front working lights

Working equipment

- Safety valve for lift arm

Others

- Bio oil
- Brake pedal (right)
- Shock absorber for lift arm
- Tool box
- Rear working lights
- Wire harness with socket (front, rear)
- Special color
- Various tires
Multipurpose: 12.5-20 317MPT (Alliance)
Industrial: 405/70 R18, SPT9 EM (Dunlop)
Agriculture: 400/70 R20, XMCL (Michelin)
- Various buckets and other attachment on request

SPECIFICATIONS

Model				R085	
Operating weight (canopy/cabin)			kg	4565 / 4790	
Bucket capacity			m³	0.85	
Engine	Manufacturer			Kubota	
	Model			Water-cooled V2607-CR-TE4	
	Horse power (ISO9249)		kW/rpm	46 / 2400	
			PS/rpm	62.5 / 2400	
	Number of cylinders			4	
Displacement			cc	2615	
Transmission	Type			Electronic hydrostatic transmission	
Operational specifications with bucket	Tipping load, straight (ISO14397-1) (canopy/cabin) kg			3480 / 3600	
	Tipping load, full turn (ISO14397-1) (canopy/cabin) kg			2950 / 3050	
	Max. lifting capacity (ISO14397-2) kN			37.6	
	Breakout force (ISO14397-2) kN			48.6	
Operational specifications with pallet fork	Tipping load, full turn (ISO14397-1) (canopy/cabin) kg			2400 / 2500	
	Max. payload (EN 474-3) 80%		kg	1920 / 2000	
	Max. payload (EN 474-3) 60%		kg	1140 / 1500	
Traveling	Tire size			12.5-18	
	Traveling speed		Forward	km/h	0 to 20
			Reverse	km/h	0 to 20
	Traction force		kN	38.2	
	Front / rear axle			Differential lock 100% on demand	
Angle of oscillation			Deg.	±8	
Auxiliary circuit	Max. flow rate		ℓ /min	67.2	
	Max. hydraulic pressure		MPa	20.6	

Noise	Sound pressure level (LpA) (canopy/cabin) dB (A)	81 / 73
	Sound power level (LWA) (canopy/cabin) dB (A)	101 / 101
Capacity	Fuel tank ℓ	70
	Hydraulic oil tank ℓ	39
	Hydraulic oil tank, incl. hydraulic system ℓ	57
	Engine oil ℓ	9.0
	Front / rear axle oil ℓ	4.5

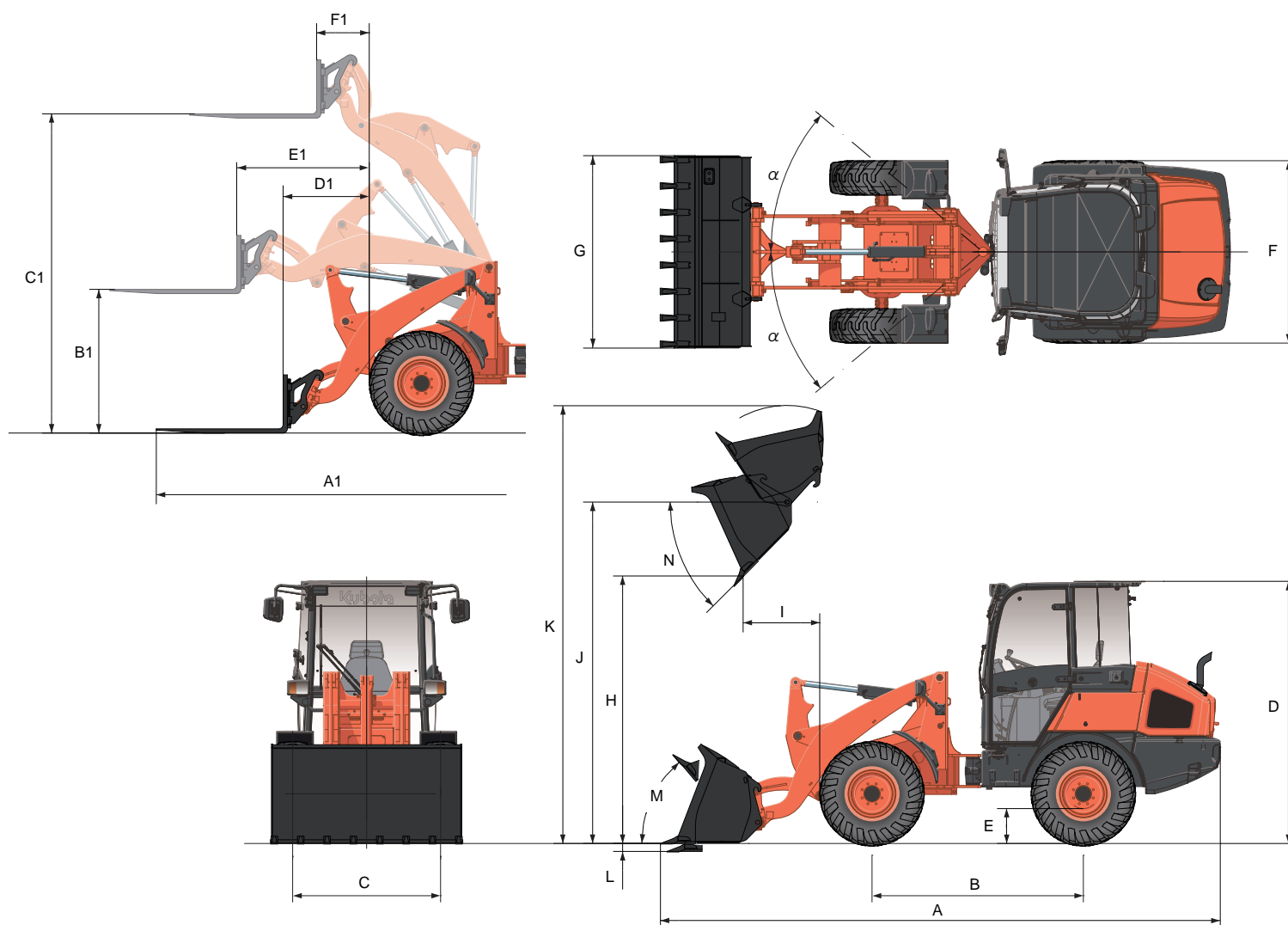
Specifications are subject to change without notice.
Data is valid with general purpose bucket (standard width) and standard tire (12.5-18").
Operating weight is including 75kg operator

BUCKET

Model		R085			
Type of bucket	General purpose bucket (standard)	General purpose bucket (wide)	4 in 1 bucket (standard)	4 in 1 bucket (wide)	
Capacity	m³	0.85	0.88	0.8	0.83
Width	mm	1820	1890	1820	1890
Weight	kg	340	349	540	552
Bulk density	t/m³	1.9	1.8	1.75	1.67
Recommend tire	12.5-18 317 MPT (Alliance)	405/70 R18 STP9 EM (Dunlop)	12.5-18 317 MPT (Alliance)	405/70 R18 STP9 EM (Dunlop)	
	12.5-20 317 MPT (Alliance)	400/70 R20 XMCL (Michelin)	12.5-20 317 MPT (Alliance)	400/70 R20 XMCL (Michelin)	

PALLET FORK

Model		R085	
Fork length	mm	1000	
	mm	1200	



WORKING RANGE

With Bucket Attachment				R085
				General purpose bucket
				Standard width
Machine dimension	A	Overall length	mm	5300
	B	Wheelbase	mm	2000
	C	Tread	mm	1400
	D	Overall height (canopy / cabin)	mm	2460 / 2480
	E	Ground clearance	mm	330
	F	Overall width (outside of tires)	mm	1725
	G	Overall width (bucket)	mm	1820
Working range	H	Dumping clearance (w/o teeth)	mm	2530
	I	Dumping reach (w/o teeth)	mm	725
	J	Max. hinge pin height	mm	3230
	K	Max. lifting height	mm	4140
	L	Digging depth	mm	75
Others	M	Tilt back angle (at traveling position)	Deg.	50
	N	Dumping angle	Deg.	45
	α	Articulation angle	Deg.	40
		Turning radius (track circle)	mm	3445

With Pallet Fork Attachment				R085	
Fork length				mm	1200
Working range	A1	Overall length	mm	5605	
	B1	Height of forks at Max. reach	mm	1360	
	C1	Height of forks at Max. height	mm	3020	
	D1	Reach at ground level	mm	815	
	E1	Max. reach	mm	1255	
	F1	Reach at Max. height	mm	500	

Specifications are subject to change without notice.
Data is valid with general purpose bucket (standard width) and standard tire (12.5-18").

★ All images shown are for brochure purposes only.
When operating the wheel loader, wear clothing and equipment in accordance to local legal and safety regulations.

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Cat. No.8849-01-EU '14-05D.