



For Earth, For Life
Kubota

KUBOTA COMBINE HARVESTER

DC-105X

The DC-105X represents an evolution of the DC-95GM, combining the power of the world-famous KUBOTA diesel engine with new innovations that redefine harvesting operations.



Efficient Diesel Engine

The V3800 diesel engine produced in Japan features enhanced power, durability, and reliability. Able to endure rough and uneven terrains, the turbocharged engine can handle large loads whilst operation continues smoothly and efficiently.



HIGH OUTPUT, LOW FUEL USAGE



EASE OF MAINTENANCE



Center Direct Injection System (CDIS)

This design innovation allows for even fuel injection into the combustion chamber, optimizing the combustion process for better fuel consumption and engine efficiency.

Intercooler and Turbocharger

Improved intercooler design allows for 10 – 20% increase in air density, which allows for more efficient turbocharging.



2350L / 1400kg

Large Capacity Grain Tank

This standard feature easily caters to large fields with high yields, thus, harvesting operations require significantly less time and minimizes the frequency of downtime for discharging harvested crop. It only takes a maximum of 4 minutes to discharge a full tank before resuming operations.



2.76m

Widened Reaper

The DC-105X comes with a wider reaper, at 2.76 m. This increases the area of harvested crop covered which saves on time, fuel and improves the harvesting efficiency by 10%.

User friendliness is a key factor in the design. With demanding and rigorous operations on a daily basis, a variety of moving parts, and the rough nature of paddy fields; the DC-105X has movable panels and sections that give greater accessibility to key machine components, allowing for faster maintenance and service jobs to take place, ensuring that peak operational condition is sustained.



Auto Monroe System

In uneven and rough terrain conditions, both the crawler and the thresher can lose its horizontal alignment and affect harvesting efficiency. This system allows for automatic horizontal positioning which minimizes the effect of machine tilting on threshing and separation.



Rubber Crawlers for Operational Flexibility

The crawler travel unit is designed for wider ground contact area which minimizes ground contact pressure. This ensures machine sinking is reduced to a minimum in deep paddy conditions, allowing for ease of travelling and operation. Rubber tracks also prevents damage to contact surface.

SPECIFICATIONS

Model		DC-105X
Classification		Grain Tank
Machine Dimensions	Overall length (mm)	5640
	Overall width (mm)	3045
	Overall height (mm)	3040
Weight (kg)		4630
Engine	Model	V3800DI - TIE2 - CT
	Type	Water-cooled four-cycle four-cylinder vertical diesel engine (with turbocharger)
	Total Displacement (L, cc)	3.769 (3769)
	Output/ Rotation speed (kW(PS)/rpm)	77.2 (105.0)/ 2600
	Fuel	Diesel
	Fuel Tank Capacity (L)	105
	Starting system	Starter motor
	Battery (V, Ah)	12/ 80
Crawler	Center distance (mm)	1475
	Width x Ground contact length (mm)	575 x 1900
	Average ground pressure kPa (kgf. cm ²)	20.7 (0.21)
Minimum ground clearance (mm)		325 to 425
Speed shift system		Hydrostatic Transmission [HST]
Number of speeds		Stepless forward and backward [3-step range gear shift each for forward and backward]
Traveling speed (m/s)	Forward	Low speed : 0 to 0.85; Middle speed : 0 to 1.35; High speed : 0 to 1.90
	Backward	
Turning system		Brake-turn system
Reel	Diameter x Width (mm)	900 x 2590
	Speed shift system	Constant rotation (3-speeds)
	Up/ Down control	Hydraulic system
	Reaping width (mm)	2760
	Blade width (mm)	2667
	Reaping height range (mm)	-19 to 900 [Cutting blade tip]
Thresher system		Axial flow system [Threshing tooth system]
Thresher drum	Threshing tooth type	Tooth
	Diameter x Width (mm)	620 x 2210
	Rotation speed (rpm)	550
Reprocessing system using tailings auger screws		Screw Conveyance system
Cleaning		3 Way air stream cleaning system
Concave area (6 sheets) m ²		1.6
Grain tank capacity (L)		2350
Unloader	Discharging system	Screw Conveyance system
	Turning angle (degrees)	235/ Electrical motor
	Up/ Down range (degrees)/ Up/ Down system	-2 to 43/ Hydraulic system
	Discharging height (in operation) (mm)	1930 to 4810
	Discharging length (in operation) (mm)	2870 to 3883
Optional accessories		Corn Kit

The company reserves the right to change the above specifications without notice.

This brochure is for descriptive purposes only.

Please contact us for warranty information.

For complete operational information, the operators manual should be consulted.



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