

HX1302/1402

PRODUCT GUIDE



The new standard in agricultural tractors that achieves the best work efficiency and productivity by offering outstanding performance and optimal work convenience.

Work Comfortably



Operators can work comfortably, even during long hours of work as optimal conditions can be maintained by minimizing fatigue and providing pleasant work environment.

- Cabin suspension absorbs cabin vibration.
- Broad, rotatable air suspension seat.
- Hot and cold storage box with wireless mobile phone charging. **Option**

Work Longer



Large-capacity fuel tank and the best lighting system for night work enable operators to work longer, ultimately increasing productivity.

- 230ℓ capacity fuel tank
- 10 LED lights brighten all 4 corners. **Option** 2 side LED lights.
- Auxiliary interior light.

Work Variety



Operators can work with heavier implements and more diverse implements, perfectly executing work desired by customers, such as agricultural, livestock and transporting work.

- Two powerful engines: 130Hp and 140Hp.
- 4,410kg.f lifting force enables heavier equipment to be attached.
- Heavy weight can be attached. **Option** 50kg x 14EA = 700kg
- Various types of rear hydraulics can be applied to use various equipment.

Work Easily and Quickly



With a wider range of specifications enabling easier and faster work, we will enhance work efficiency more conveniently.

- Turn-up/back-up feature that automatically lifts the implements upon rotation or reverse.
- Remote rear fender PTO & 3pt switch, allowing easy attachment and detachment of the implements from outside.
- One-hand quick coupler for convenient attachment of implement hydraulic hose.
- USB charging + power socket for using various electrical work tools.



Design

Functional design has been applied to create a dynamic and bold appearance to enhance work efficiency.

Moreover, the ergonomically designed driving space offers the best convenience to users, enhancing the pride customers have in Kioti.

DESIGN

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- ❶ **Wide transparent sunroof**
Anterior visual secured during loader work.
- ❷ **5 pillar cabin**
Provides a panoramic view and openness.
- ❸ **LED front work lights (4EA)**
Clear front vision during night work.
- ❹ **3.8ℓ engine (STAGE V)**
Up to 140Hp of Outstanding power.
- ❺ **Easy-to-open one-piece hood**
Convenient engine maintenance.
- ❻ **LED Headlight**
Clear front vision while driving.
- ❼ **Heavy weight can be attached** Option
50kg × 14EA=700kg
- ❽ **Front axle LSD**
Easy to escape from difficult terrains such as mud fields.
- ❾ **32-speed transmission**
Optimal performance exhibited in various environments.
- ❿ **Large capacity fuel tank (230ℓ)**
Supports long hours of work compared to competitors.
- ⓫ **LED auxiliary work lights**
Supports night work.
- ⓬ **Front fender (Rotate with the wheel when turning)**
(Width: 415mm, 30 degree rotation, adjustable outward/upward by 30mm)
- ⓭ **Telescopic rearview mirror**
(Outward adjustable 196mm, rod rotation: 18 degrees, mirror: left and right rotation 45 degrees)





- ① Side LED work lights (2EA) **Option**
Safe boarding and alighting during night work.
- ② Rear LED work lights (4EA)
Clear rear vision during night work.
- ③ Auxiliary indoor lights
Ease of switch operation during night work.
- ④ Rear wiper and hot wire
Clear rear visibility in all weather.
- ⑤ Remote rear fender PTO & 3pt switch
Convenient attachment/detachment and checking of implements from outside.
- ⑥ Hydraulic top link **Option**
Use of various implements/Convenient to attach/detach with one-hand quick coupler.
- ⑦ Rear hydraulic valve
Use of various implements/Convenient to attach/detach with one-hand quick coupler.
- ⑧ Rear 3-Point hitch
Lifting capacity of 4,410kg.f.
- ⑨ Cabin suspension
Presents convenient driving experience.
- ⑩ PTO
Efficient implement work execution.
- ⑪ Radial tyre
Tyres optimized to towing work.
- ⑫ Extended rear fender
(Width: 145mm, expandable to 290mm left and right)

10 LED Lights

Equipped with work lights, head lights, tail lamp and 40W rear lights for enhanced night workability. (Increases brightness two-fold compared to previous models.)

Front



Rear



Composition of work lights

- LED Front work light : 4EA
- LED Rear work light : 4EA
- LED Side work light : 2EA **Option**
- LED auxiliary work lights : 2EA

Full LED Headlight

The full LED headlight, distinguished by its sleek design, enhances front visibility.



Easy-to-open one-piece hood

The easy-to-open method offers easy maintenance, such as oil filter replacement, oil filling and oil gauge checking.



Easy Boarding and Alighting

Designed to increase the safety and convenience of boarding and alighting.



Cabin Suspension

Vibration and shock are absorbed in uneven terrains, providing comfort for operators despite long working hours, ultimately reducing fatigue.



Rear Wiper & Hot Wire

The rear wiper and hot wire help secure a clear rear vision even during adverse weather conditions.



Radial tyres

Radial tyres allow for comfortable driving with low vibration, and their strong traction is optimized for towing operations. (Front : 420/70R28, Rear : 520/70R38)



Ergonomic space composition optimizes work convenience providing the best driving experience and comfort to operators.

Ergonomic Lever and Switch Allocation



All levers have been allocated within a certain radius centered on the driver, allowing drivers to work stress-free in a comfortable posture even during long hours of work.

No	Name	No	Name	No	Name
1	Range shift lever	6	Double acting 2	11	Shift Switch
2	Creep speed lever	7	Double acting 3	12	Differential lock pedal
3	Hand accelerator	8	Joystick	13	Parking brake lever
4	Position lever	9	PTO switch	14	Shuttle lever
5	Double acting 1	10	PTO lever	15	Combination switch

Wide View Openness

5-pillar cabin and a wide window have been implemented to minimize vision obstruction, ensuring wide front visibility for precise and safe tasks, along with a pleasant work environment.



Wide Transparent Sunroof

The wide transparent sunroof secures an anterior visual when using the loader, offering convenient operation.

※ To block the sunlight coming in through the sunroof, pull out the sunshade and fix it with its hook. When it is no longer needed, unhook and store it.



Electronic Armrest

The arm rest can be moved front and back and the lever and switch can be operated conveniently for easy 3-point hitch control of the rear.



Hot & Cold Storage Box with Wireless Mobile Phone Charging Option

Smart phone holder that offers wireless charging and the hot and cold storage box provided for increased convenience.



Tilting and Telescopic Steering Wheel

The steering wheel can be adjusted according to the driver's physique and preferences.
(Tilting 24 degrees, Telescopic length 50mm)



USB Charging + Power Socket

Mobile devices can be charged, and various electrical work tools can be used, enhancing work efficiency.



Auxiliary Interior Lights

Separate auxiliary interior lights that shine upon the work lever offers better vision of operating levers/switches during night work as well.



Rotating Air Suspension Seat

The air suspension seat with a wide seating area provides a cozy driving experience and visibility from multiple angles can be secured through its 20° rotation function in both directions. ※ Suspension height adjustable by 100mm



Heated Seat

Operators can work comfortably in a warm environment during winter and cold weather, enhancing work efficiency.



Auto Folding Auxiliary Seat

Transportable with co-passengers to the workplace, enhancing boarding convenience with an automatic folding seat.



Air Conditioner

Air conditioning and heating features offer pleasant and cozy working environment.



Bluetooth Audio

Bluetooth stereo for hands-free calls and music playback during work allows you to enjoy long hours of work.



Seat Sliding

To adjust the seat position, pull the lever (1) to left under the front of the seat, slide the seat to the desired position, and then release the lever. Make sure that the seat is firmly fixed by moving it gently after adjustment.



Seat Back Reclining

To change the seat back angle, raise the lever (1) on the left of the seat. Then, adjust the seat back angle with the lever pulled. Release the lever after adjustment. Make sure that the lever is returned and the seat is firmly fixed after adjustment.



Adjusting Armrest Angle

The angle of the armrest can be adjusted by turning the angle adjustment wheel which is located under the lefthand armrest.



Side-To-Side Rotation Function

You can pull the lever to adjust the seat side to side. Rotation Adjustment Lever



Adjusting The Headrest Height

The height of the headrest can be adjusted easily by pulling it up or pushing it down.



Adjusting The Lumbar Support



The lumbar support is installed within the seat back cushion. According to the body shape of the operator, turn the lumbar support control lever on the back of the seat back clockwise to make the lumbar support in the seat back convex, and turn it counterclockwise to make the lumbar support concave.

Driver's Seat's Storage Box



The storage box is mounted on the back of the seat back, and it has a spring-loaded cover which closes automatically when released.

PTO Cruise

Function that maintains constant PTO rotation speed even when the load changes during work.

Note If the brake pedals are not connected to each other, depressing the brake pedal does not deactivate the PTO cruise function.



PTO Cruise Activation

Run the engine at a speed over 1,300 RPM. With the brake and clutch pedals released, set the PTO cruise switch to the ON position and press the SET (1) portion of the cruise activation switch.

The cruise setting switch can be operated as follows while the PTO cruise function is activated.

- RES(+): Speed is increased by 50 RPM when pressing it.
- SET(-): Speed is decreased by 50 RPM when pressing it.



PTO Cruise Deactivation

Depress the brake pedal or clutch pedal or set the PTO cruise switch to the "OFF" position to deactivate the PTO cruise function.

If the PTO cruise function is deactivated by depressing the brake or clutch pedal with the PTO cruise switch set in the "ON" position, pressing the RES(+) switch once resumes the previous PTO activation setting.

Remote PTO Switch



After the external PTO switch is turned ON, the PTO power can be activated using the remote PTO activation switch mounted on the back of the tractor under the specified condition.

1. Condition

The buzzer sounds when the main PTO switch is ON, the remote PTO switch is ON, the parking brake switch is ON, and the shuttle lever is in neutral position.

2. Output

When the specified conditions are met, the PTO is activated as long as the remote PTO switch on the fender outside is pressed.

Pressing the switch for 4 seconds or longer under this condition will keep the PTO shaft rotating even after releasing the switch.

PTO Disengagement Position Dial



Sets the stopping height of the PTO in automatic PTO mode.


PTO Auto/Manual Switch



The PTO main switch must be in the OFF position before starting the engine.

Otherwise, the engine will not start. When the PTO Auto/Manual switch is set to the Auto position, the PTO implement only works in the low position. (For example, if the implement is lifted during operation, the PTO will stop.) When the PTO Auto/Manual switch is set to the Manual position, the PTO operates continuously regardless of the position of the implement.

ECO/MODE Selection Switch




A MODE button
Each pressing of the MODE switch changes the indication on the instrument cluster LED in the following order:

No.	Item	Description
1	-	Hourmeter
2	LH	Instant fuel consumption
3	ALH	Average fuel consumption
4	L	Total fuel consumption

B ECO button
Each pressing of the ECO button toggles the ECO indicator on/off. This indicator shows the level of fuel consumption: white for low consumption, green for middle level consumption and red for high fuel consumption.

ECO range comparison	
White	Fuel efficiency - below 0~8ℓ/h or Engine RPM - below 1,000
Green	Fuel efficiency - 8 ~ below 15.5ℓ/h
Red	Fuel efficiency - 15.5ℓ/h or more

Work/Drive Button




Press the Work or Drive button to operate the tractor according to the usage.

A Work button:
Fast reaction speed when operating clutch pedal/shuttle lever/power shift

B Drive button:
When the clutch pedal/shuttle lever/power shift is operated, the reaction speed is rather slow and the connection is smooth.

Calibration Button




This button is for calibration of shuttle lever and clutch pedal. if any calibration is required please contact KIOTI dealer at your convenience.

DPF Regeneration



Activation (Upper Portion Of Switch)

Perform the following instructions when the regeneration warning lamp () comes on:

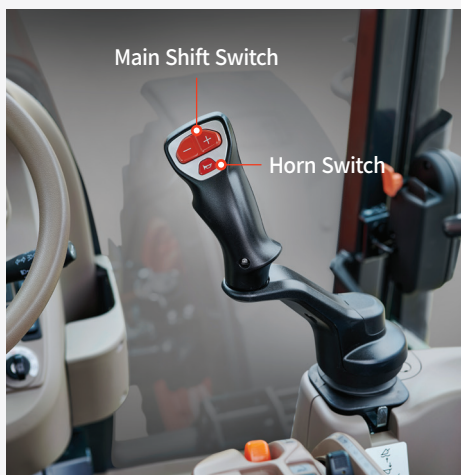
1. Park the tractor on a flat surface.
 2. Run the engine at idle. The throttle lever should be at low speed.
 3. Put all shift levers in the neutral position.
 4. Apply the parking brake.
 5. If the coolant temperature is over 20°C and the pressure difference between the inlet and outlet of the DPF is more than 120%, press the button for about 2 seconds to start regeneration.
 6. When the DPF regeneration lamp goes off, restart the work after idling for about 3 minutes at low speed.
- DPF manual regeneration takes about 20 minutes.

※ Natural DPF regeneration works every 200 hours.

Deactivation (Lower Portion Of Switch)

Do not press the deactivation portion of the switch while the regeneration process is activated. However, the switch can be set to the deactivation position to stop the regeneration process in emergency.

Joystick Lever



This joystick lever is used mainly to operate the front end loader which attached to the tractor. Six valves are installed as standard. The vertical movement of the bucket and boom can be controlled by the lever. In addition, three buttons are available; the implement grab can be operated using the two buttons located on the front section of the joystick lever. The button on the rear section of the lever is used to sound the horn.

Auto Draft Function



It is a switch that automatically executes the work under the previously set condition without any additional manipulation when re-entering the machine after lifting due to traction resistance during traction work according to the set traction force value of the armrest dial.

Lowering Speed Set Dial



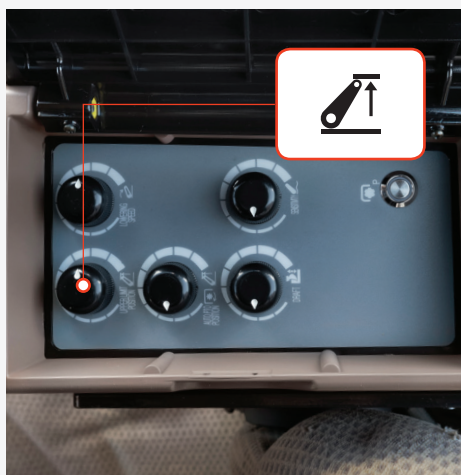
Adjusts the lowering speed of the implement.
Turning the dial to the left slows down the lowering speed of the implement. The implement cannot be lowered if the dial is turned all the way to the left. Turning the dial to the right speeds up the lowering speed of the implement.

Sensitivity Control Dial



Adjusts the reaction speed of the implement in automatic draft mode. Turning the dial to the left makes the reaction speed of the implement more sensitive and faster. Turning the dial to the right makes the reaction speed of the implement less sensitive and slower.

Upper Limit Position Dial



Limits the lifting height of the implement during one-touch lifting, turning-linked lifting, and reverse driving-linked lifting operation. Turning the dial to the left lowers the maximum lifting height of the implement. Turning the dial to the right increases the maximum lifting height of the implement.

Draft Control Dial



Adjusts the draft power in automatic draft mode. Once the draft power has been set to the desired level, the implement maintains the set level of draft power. Turning the dial to the left lowers the set draft power and the plowing depth is set shallow. Turning the dial to the right increases the set draft power and the plowing depth is set deep.



Performance

Various work done by customers can be executed under different environments such as agricultural, livestock and transporting work.

HX1302/HX1402 enables work to be implemented easily, even in difficult conditions, such as muddy terrains, even with heavy implements attached.

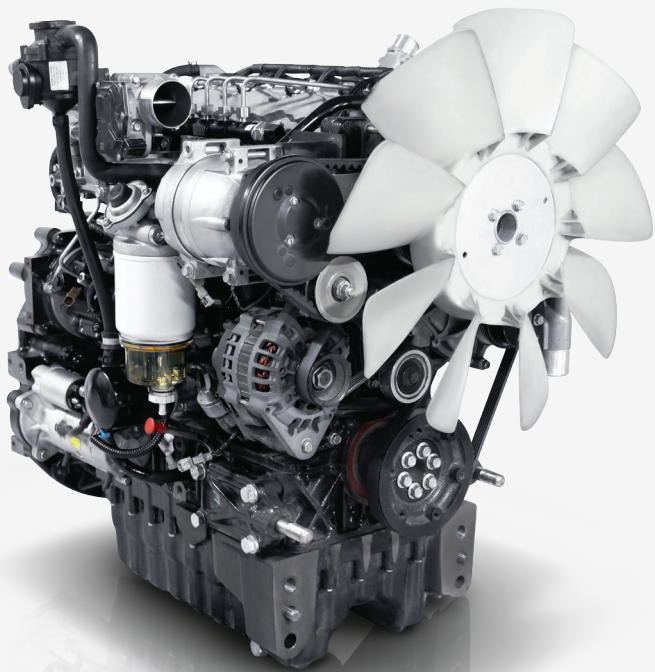
The distinctive powerful performance of HX1302/HX1402 achieves optimal performance and the best work productivity with minimal effort always allowing for an enjoyable work experience.



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The high performance 3.8ℓ diesel engine with outstanding performance and fuel consumption exhibits the best performance in any tough conditions.

3.8ℓ Diesel Engine



Engine with up to 140HP robust power, excellent towing force, low fuel consumption, optimized for off-road.

HX1402

Max. Power
140 HP
2,200rpm

Max. Torque
540 Nm
1,400rpm

HX1302

Max. Power
130 HP
2,200rpm

Max. Torque
530 Nm
1,400rpm

Driving speed

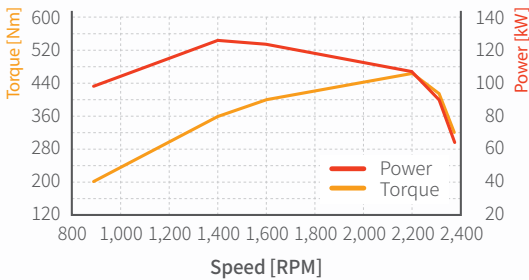
Forward speed
40.48 km/h

Reverse speed
40.20 km/h

Key features

- Optimized to off-road with optimal engine performance customized to work environment equipped with KIOTI's 3.8ℓ diesel engine.
- Equipped with impact-type CCV filter that doesn't require replacement.
 - Applied with a 2-layer water-jacket at the cylinder head for enhanced performance.
 - Ensuring an oil change interval of 500 hours, with optimized oil consumption.
 - Applied with 2nd balance and offset crankshaft for low vibration and low noise.
 - STAGE V eco-friendly engine.

As a compact engine with optimized friction loss through advanced engine and gear train design, it offers a broad range of output from 95 to 140hp.

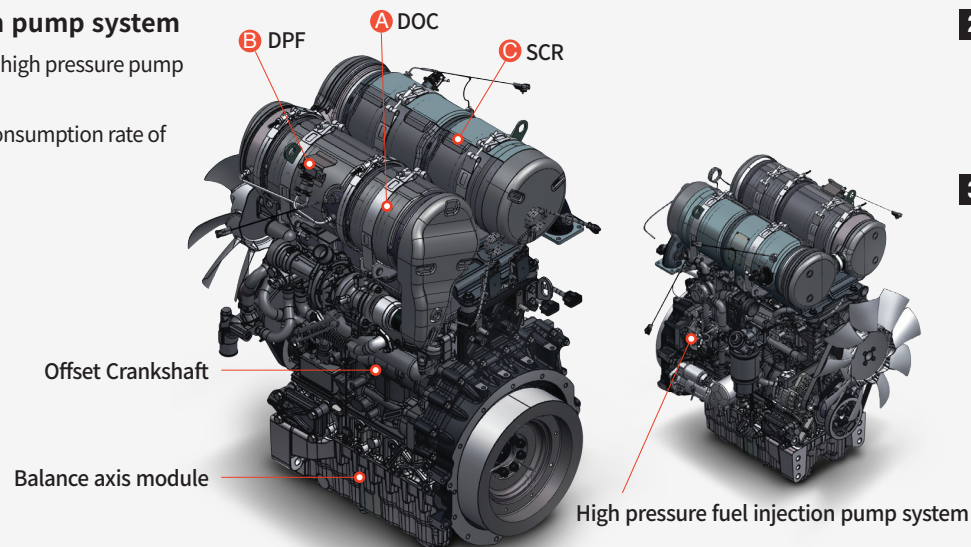


Low noise, low vibration, low fuel efficiency, eco-friendly engine

Engine Feature

1 High pressure fuel injection pump system

- Delphi Max. Application of 2000 Bar high pressure pump
– ECU Calibration
- Low fuel consumption with a fuel consumption rate of 225g/kW-hr or less
- Upright connection driven
- multi-jet (Pilot-Pre-Main-After-Post)
– exhaust gas reduction
– Low noise, low vibration
– CCRT Filter Regeneration



2 Offset Crankshaft Application

To reduce slap noise and friction loss by reducing the side force that occurs when the piston operates (reduces thrust force by 37%).

3 Balance shaft module

Vibration reduction due to secondary excitation source through application of 2nd balance shaft module.

Concept > Develop > Pilot > Production

Through analysis and testing, we **secured high durability** of major components and **achieved a B10 Life of 5,000 hours** at 100% Load Factor.

4 An eco-friendly engine that meets STAGE V regulations through post-processing equipment (DOC+DPF+SCR)

Features and functions of each part of the post-processing device

A DOC (Diesel Oxidation Catalyst)

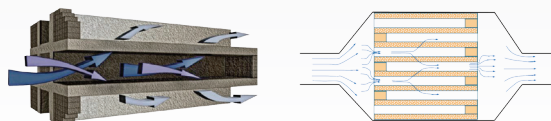
- Material : Cordierite / Size : 5.3" x Ø8" (4.37ℓ)
- Features : Precious metal coating for oxidation of exhaust components (Pt, Pd)
- Function : Oxidizes CO, NO, HC into CO₂, NO₂, H₂O, and during active regeneration, promotes an exothermic oxidation reaction through after-injection (HC).



• Ash Service Interval : 3,000 hours

B DPF (Diesel Particulate Filter)

- Material : Silicon Carbide / Size : 8.0" x Ø8" (6.59ℓ)
- Feature : Precious metal coating (Pt) to prevent HC slip during post-injection.
- Function : PM collection (efficiency over 90%) and PM oxidation using the temperature generated by DOC.



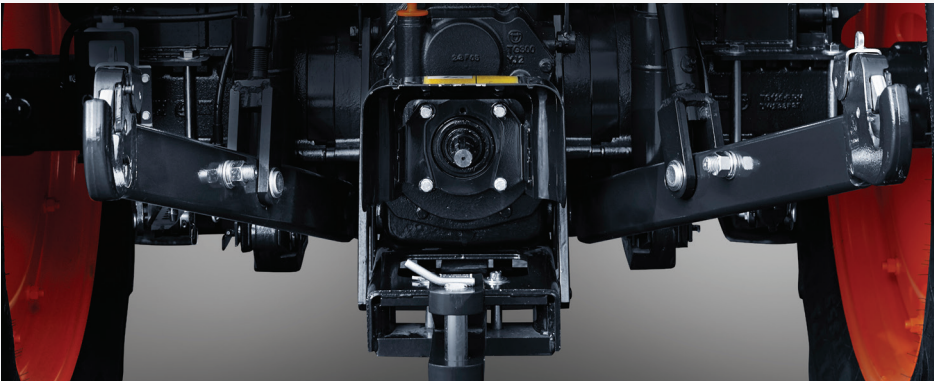
C SCR (Selective Catalytic Reduction)

- Material : Cordierite
- Size
– SCR1 : 5.3" x Ø8" (4.37ℓ) & SCR2 : 2.8" x Ø8" (2.31ℓ)
– AOC (ammonia oxidation catalyst) : 2.5" x Ø8" (2.06ℓ)
- SCR function: Converts NO and NO₂ into N₂ and H₂O, which are harmless to the human body by injecting urea water.
- AOC function: Prevents ammonia from being released into the atmosphere without reacting with Nox.

Equipped with a large-capacity fuel tank, powerful lifting force and increased weight support, heavy implements can be attached, enabling long hours of work.

4,410 kg.f Lifting Force

With increased 3-point hitch lifting capacity, heavy implements can be easily lifted, allowing for the attachment of various implements.



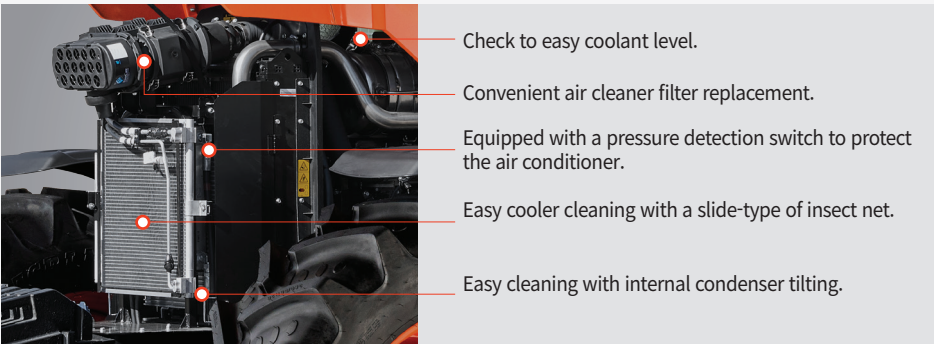
Increased Weight Support Option

Up to 700kg (50kg X 14EA) front weight can be attached, so heavy implements can be used safely.



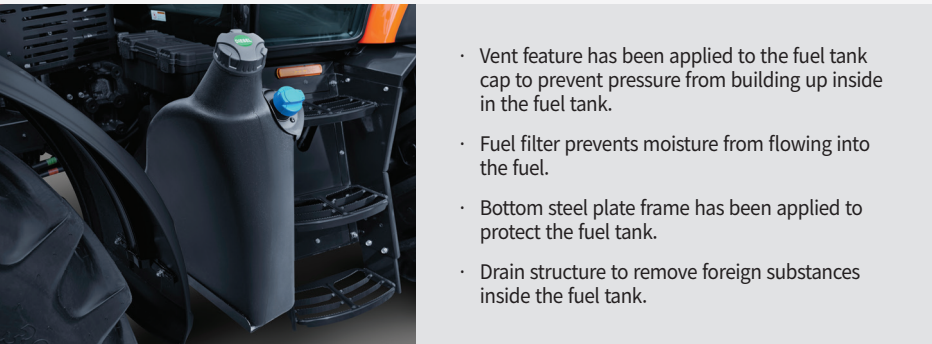
Simple Engine Maintenance

The structure allows inspection, maintenance and cleaning to be carried out easily, allowing for easy and safe engine maintenance.

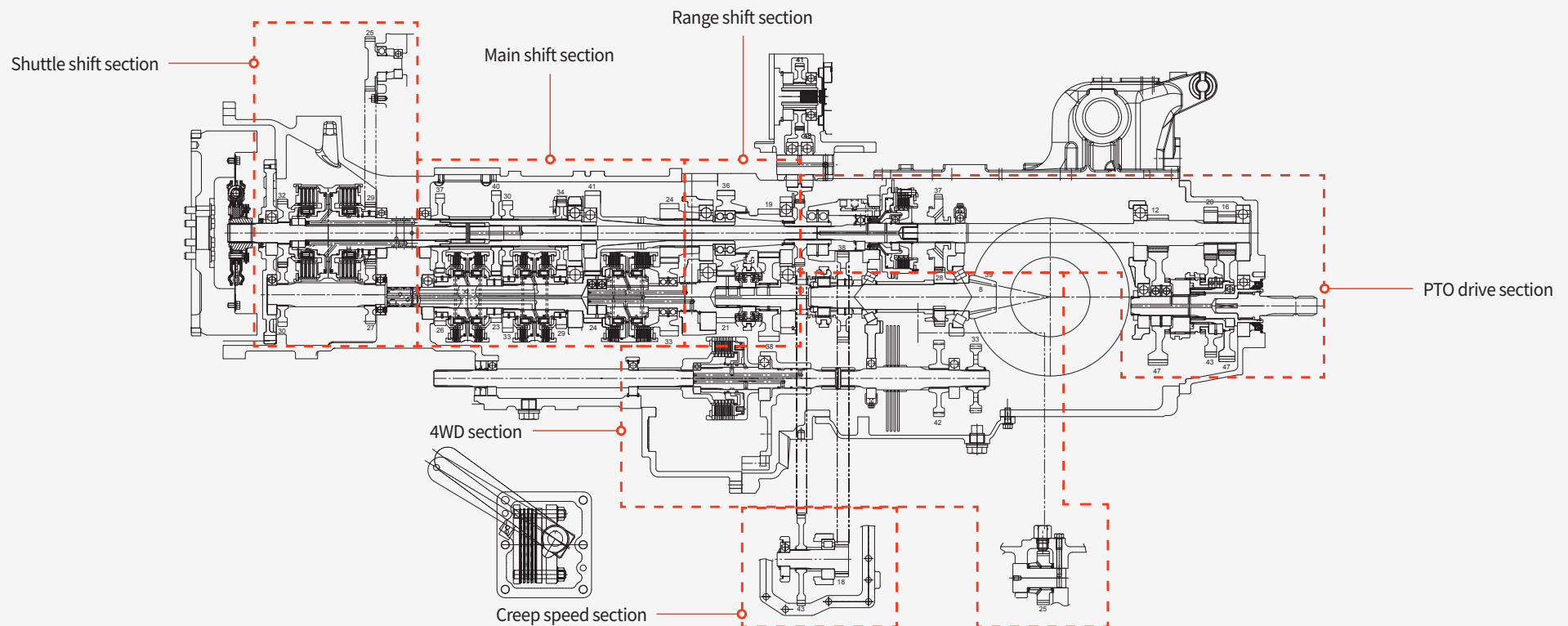


Large-capacity Fuel Tank

With 230ℓ maximum capacity in its class allows for long hours of work after one fueling and various fuel systems have been applied for optimal fueling.



The HX transmission features 8 automatic main speeds, 2 secondary speeds, and an ultra-low speed, providing a total of 32 gear shifting ranges (32 Forward × 32 Reverse Gearbox). Notably, the power shift transmission enables shifting with the press of a button without requiring clutch engagement, offering exceptional convenience and reducing fatigue. Moreover, it comes equipped with an electro-hydraulic power shuttle, 4WD, and PTO, enhancing work convenience. Independent PTO with 3-stage options (540/540E/1000) and ground PTO are implemented, allowing for versatility in tasks. Pulling the ground PTO lever at the rear of the tractor disconnects and connects the PTO clutch spline to the drive side gear. This is utilized when proportional PTO operation to driving speed is needed, such as when using a seed drill, ensuring precise operation based on driving distance. The ground PTO rotation speed ratio per rear axle rotation is as follows: Ground PTO 1st stage: 6.1, Ground PTO 2nd stage: 8.2, Ground PTO 3rd stage: 11.2. With a 4WD brake function, activating the brakes automatically engages 4WD to enhance braking power. It is capable of reaching speeds of up to 40 km/h.



Optimal transmission systems, such as the 32-speed transmission system, power shuttle, 4WD switching system maximize work efficiency.

Maximum transmission in its class

With a maximum 32-speed transmission (8 speeds x 2 ranges x 2 speeds), work efficiency is maximized, delivering optimal performance in various environments.



Power shift (8-speed)
Shifting up to 8 gears with the push of a button. No need for the clutch pedal, significantly enhancing operational convenience.

Range shift & Creep Speed shift (2 range x 2 speed)
It is comprised of a range shift H-L and there is a creep speed mode, supporting work in various speed ranges.

Power shuttle

Conveniently shift between forward and reverse without pressing the clutch pedal, using only lever operation, and installed with a lever protection to prevent gear shift by mistake.



Four Wheel Drive Drivelines

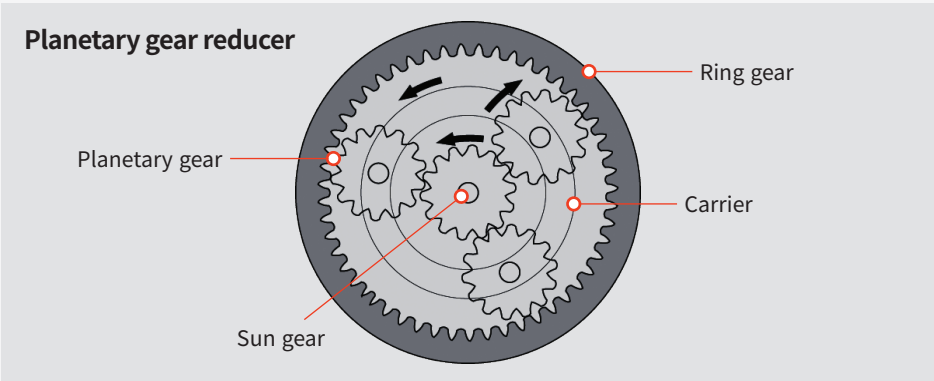
When off, it switches to 4WD and when on, it switches to 2WD automatically, enhancing parking and driving convenience and the switch can be pressed during driving to switch to 4WD easily.



Its powerful traction and braking performance exhibit the best performance even in slippery terrains.

Front Axle

The planetary gear reducer of the wheel hub increases the towing force with high torque and a double universal shaft has been applied to secure sufficient steering angle.



Limited Slip Differential (LSD)

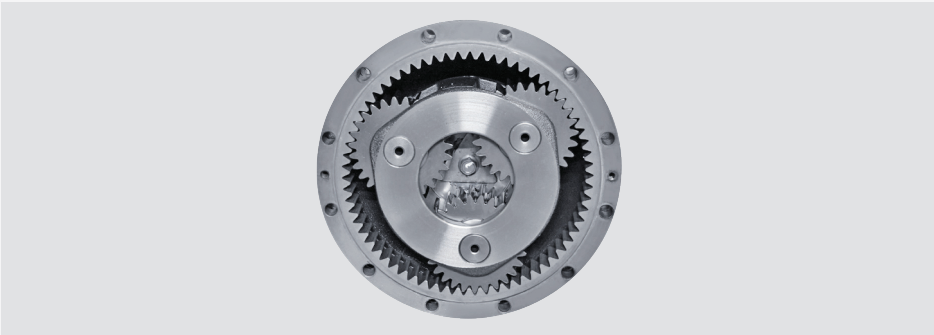
Wheel slip caused by load difference in the front wheels is minimized and traction is enhanced to tow implements, making it convenient to escape from muddy fields, etc.



When one wheel spins in a hole, the differential gear stops working and power is equally transmitted to both left and right wheels as thrust is generated in the side gear and it comes into close contact with the differential case.

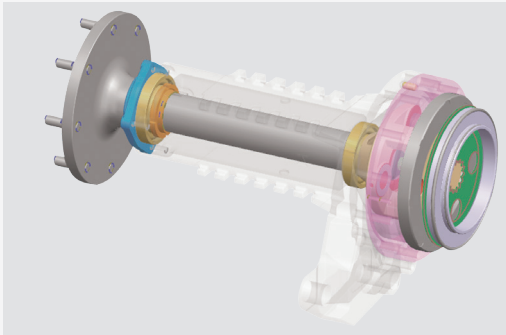
Rear Axle

By using the planetary gear capable of maintaining the same height for the axle and differential case as well as the differential lock feature, the tractor can escape from slippery terrains easily.



Brake

Wet-type multiple disc brake with a 260mm large diameter piston has been applied to both sides of the differential gear separately, exhibiting outstanding braking performance in wet agricultural farms.

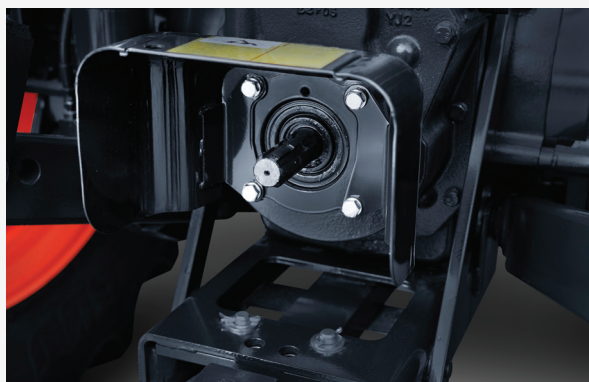


The tractor is equipped with a braking device on the rear axle. When the brake is engaged, it automatically switches to four wheel drive mode and applies braking force to all four wheels.

PTO's various convenient features allows for various works to be executed conveniently and efficiently.

Power Take Off (PTO)

Independent 3-speed PTO that can operate regardless of whether driving or stationary, allowing for convenient and versatile operation.



PTO switch



PTO shift lever

Characteristics and features

- PTO speed : 540/540E/1.000
- PTO cruise function : Maintains the PTO rotation speed consistently.
- AUTO PTO function : Automatically turns the PTO On/Off from the rear 3 point height that has been set.
- Ground PTO function : PTO rotation speed is proportionate to the traveling speed.

Turn-up / Back-up

As a feature that automatically lifts the implement when the tractor reverses or rotates, it enhances work efficiency and reduces the operator's fatigue.

※ Implements are lifted up to the height set in the maximum position dial.



Switch

Remote Rear Fender PTO Switch

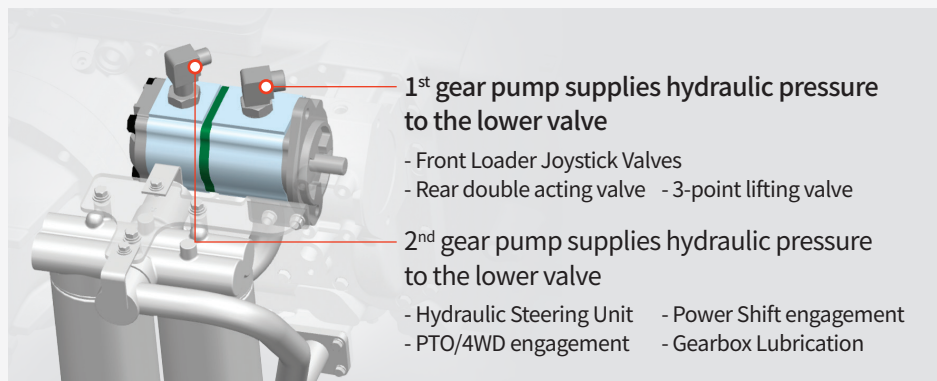
As a remote PTO switch located at the left/right side of the rear fender, implements can be detached, attached and checked easily from outside for increased convenience.



The hydraulic system which delivers power effectively and the convenient maneuvering enable operators to execute various works efficiently.

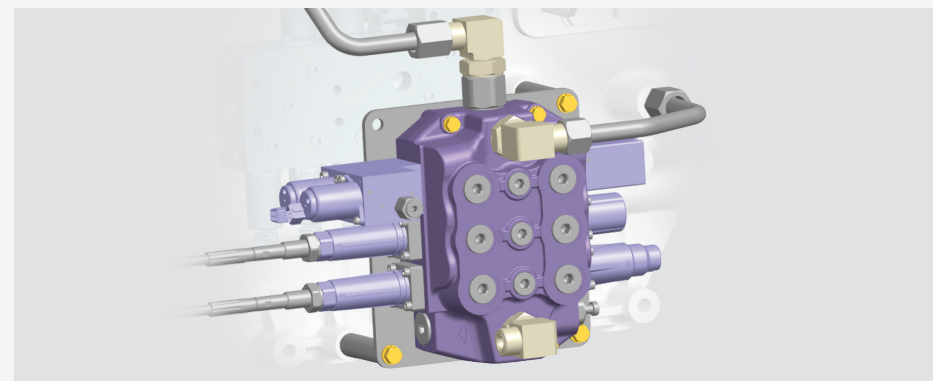
Open Center Type of Hydraulic System

When the engine is started, the hydraulic gear pump functions at all times, supplying oil to the hydraulic line stably and the two hydraulic pumps satisfy various hydraulic system requirements.



Front Joystick Valve

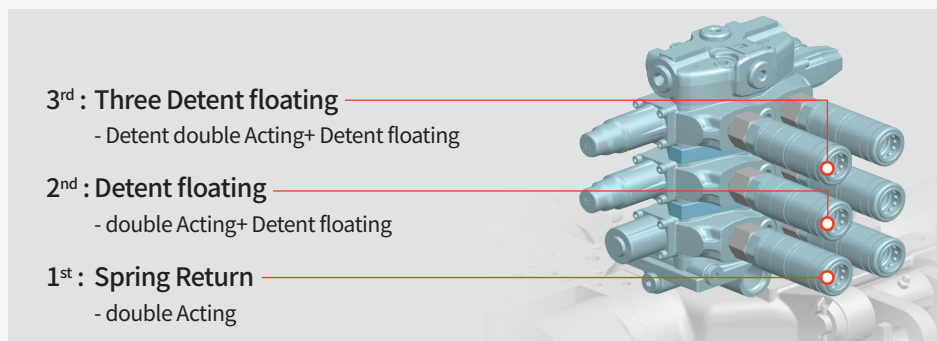
3rd Function joystick (6 port) can be used to execute works by attaching various implements at the front.



Rear Hydraulic Valve

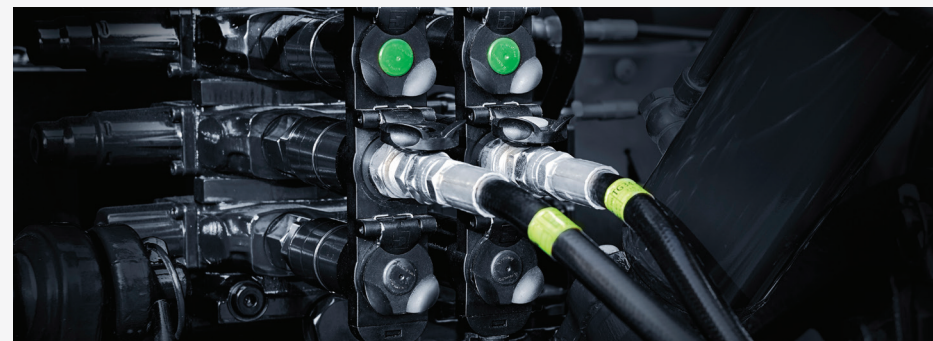
Up to 4 rear hydraulic valves, including option, can be attached so various implements suitable to the purpose of use can be attached.

※ As for the option, either Detent floating, Three detent floating can be selected.



One-hand Quick Coupler

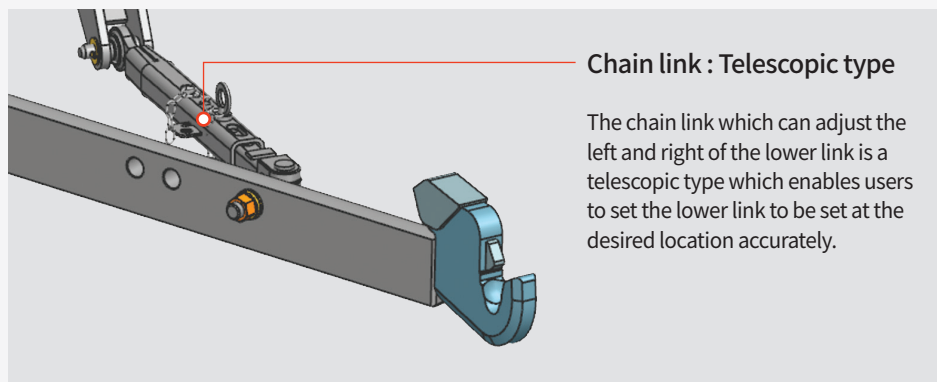
It is equipped with a one-hand quick coupler so that implements can be attached and detached to the hydraulic valve conveniently at once without separate maneuvering.



Rear 3-point hitch and hydraulic top link make it convenient to connect implements and the performance of implements can be optimized.

Rear Linkage

The tractor exhibits a powerful lifting force of 4,410kg.f and the telescopic type of chain link and hook type of lower link enable convenient installation of implements.



Hydraulic Top Link **Option**

The length of the hydraulic top link can be adjusted easily, enhancing implement installation and maneuvering convenience.



Multi-level Hitch

Applied with a multi-level hitch, adjustments can be made according to the height of various trailers, enabling convenient use.



Remote Rear Fender 3pt Switch

The remote 3-point Lift switch located at the left/right side of the rear fender enables easy adjustments to be made when installing implements from outside.



Level1	Level2	Unit	Power Shift for Europe(ATC)-TG310	
Model			HX1302ATC-EU	HX1402ATC-EU
Engine	Manufacturer		Daedong	Daedong
	Model		4JTA-TP5A	4JTA-TP5A
	Engine Gross Power	HP(kw)	130.1(97.0)	140.1(104.5)
	Rated revolution	rpm	2,200	2,200
	Max. Torque	Nm	530	540
	Type		4Cyl., In-line Vertical, Water-cooled	4Cyl., In-line Vertical, Water-cooled
	No.of cylinders		4	4
	Total displacement	cc	3,833	3,833
	Turbo Charge		Turbocharged & Intercooler	Turbocharged & Intercooler
	Bore&stroke	mm	103*115	103*115
	Compression Ratio		17:1	17:1
	Injection order		1-3-4-2	1-3-4-2
	Alternator	V-A	12V-110A	12V-110A
	Battery	V-A(20h)	12V-230Ah	12V-230Ah
Capacity	Fuel tank	ℓ	230	230
	Urea tank	ℓ	18	18
	Engine oil (Filter included)	ℓ	15	15
	Engine coolant	ℓ	18	18
	Transmission case	ℓ	78	78
	Support of front axle	ℓ	10	10
	Front axle case	ℓ	0.9+0.9	0.9+0.9
	Brake Oil	ℓ	0.47	0.47
PTO	Rated PTO Power/rpm	HP(kw)/rpm	109(81.5)/2,200	120(89.8)/2,200
	Maximum PTO Power	HP(kw)	117(87)	123(92)
			Independent	Independent
		rpm	540/540E/1,000	540/540E/1,000
	Ground PTO		Std	Std

Level1	Level2	Unit	Power Shift for Europe(ATC)-TG310	
Model			HX1302ATC-EU	HX1402ATC-EU
Hydraulic			Electronic control	Electronic control
	Implement Pump (1st)	lpm	74.8	74.8
	Power steering pump	lpm	46.2	46.2
	Total hydraulic flow	lpm	121.0	121.0
	3-point hitch type		Category II	Category II
	Lift Capacitwy			
	@lift point (Max.)		4,410	4,410
	@lift point (Horizontal position)	kg.f	4,285	4,285
	@lift point (Through the full range)	kg.f	3,665	3,665
	@610mm point (Through the full range)	kg.f	3,630	3,630
	Max. Drawbar vertical load	kg.f	1,500	1,500
	Max. Trailer loading weight (equipped with trailer brake)	kg.f	8,000(15,000)	8,000(15,000)
	Towing Load (@7.5km/h Driving speed)	KN	31.26	32.16
	Max. Towing Load	KN	→	37.8
	Driving speed (@Max. Towing Load)	Km/h	→	2.29
	Max. Towing Power	HP(KW)	96(71.4)	100(75.1)
	No.of standard remote valves (Front/Rear)		(6 / 6)	(6 / 6)
Drive Train	Transmission		Power shift Transmission	Power shift Transmission
	Main gear shift x range gear shift		32(8×2×2)	32(8×2×2)
	No. of speeds		32×32	32×32
	shuttle Type		Power shuttle	Power shuttle
	Steering		Hydrostatic power steering	Hydrostatic power steering
	Main Brake type		Wet disc type	Wet disc type
	Parking Brake type		Wet disc type	Wet disc type
	Main Clutch type		Multi wet disc clutch	Multi wet disc clutch
	Main Clutch diameter	mm	149	149
	Mechanical differential lock		Rear standard	Rear standard
	Front axle LSD		LSD	LSD
	Front wheel drive system		Hydraulic	Hydraulic

Level1	Level2	Unit	Power Shift for Europe(ATC)-TG310	
Model			HX1302ATC-EU	HX1402ATC-EU
Traveling Speeds	Forward	km/h	0.38~40.48	0.38~40.48
	Reverse	km/h	0.37~40.20	0.37~40.20
Other features	Tilt steering		Std	Std
	Telescopic steering		Std	Std
Transmission	Creep gear		Std	Std
	4WD		Std	Std
	(Turn Off) 4WD Lock		Std	Std
	Auto 4WD		Std	Std
	Rear PTO		Std	Std
Weight	Front Weight	(kg/EA) × EA (kg)	Opt 50 × 10(500), 50 × 14(700)	Opt 50 × 10(500), 50 × 14(700)
	Rear Weight	(kg/EA) × EA (kg)	Opt 100 × 2(200)	Opt 100 × 2(200)
	Support for front weight		Std	Std
Hydraulic System	Rear Remote Hydraulic Valve	No. of Valves	Std : 3	Std : 3
	Joystick valve		Std	Std
	Auto PTO		Std	Std
	Draft Control		Std	Std
	One Touch Floating		Std	Std
	Quick Coupler		One Hand	One Hand
	Front Fender		Std	Std
	Parking Brake		Std	Std
Overall Length	Battery		Std	Std
	7 Pin Socket		Std	Std
	Work Light FT		Std (LED 4EA)	Std (LED 4EA)
	Work Light RR		Std (LED 4EA)	Std (LED 4EA)
	Work Light SIDE		Opt (LED 2EA)	Opt (LED 2EA)
	Work Light AUX (FT COMBI)		Std (LED 2EA)	Std (LED 2EA)

Level1	Level2	Power Shift for Europe(ATC)-TG310	
Model		HX1302ATC-EU	HX1402ATC-EU
Others	Air Conditioner	Std	Std
	Heater	Std	Std
	Rear Window Hot-Wire	Std	Std
	Stereo	Bluetooth Audio	Bluetooth Audio
	Refrigerator/Heating cabinet	Opt	Opt
	Inductive charging	Opt	Opt
	Seat Rotation Type	Std	Std
	Seat Air Suspension	Std	Std
	Seat Heating	Std	Std
	Seat Material	Fabric	Fabric
	Seat OPS	Std	Std
	Instruction Seat	Std	Std
	Instruction Seat Material	Fabric	Fabric
	Instruction Seat Belt	Std	Std
	Sunvisor	Std	Std
	Tail Pipe	Vertical	Vertical
	3Pin Socket	Std	Std
	Outside Lift Control	Std	Std
	Powershuttle Response	Std	Std
	Escort Lamp Control	Std	Std
	Safety Control	Std	Std
	Power Outlet	USB Charging + Power Socket	USB Charging + Power Socket
	PTO Cruise	Std	Std
	Eco Signal	Std	Std
	Speed guage	Std	Std
	Cab. Suspension	Std	Std
	Deoiler	Std	Std
	Hydraulic Top Link	Opt	Opt



Classification		Demension	Remarks
Overall Length (mm)	1	4,887	Including lower link, front weight
	2	4,518	Including lower link, front weight support
Overall Width (mm)	3	2,267	
Overall Height (mm)	4	2,906	
Wheelbase (mm)	5	2,600	
Tread (mm)	Front Wheel	6	1,854
	Rear Wheel	7	1,800
Min. Ground Clearance (mm)	8	496	
Weight (kg.f)	-	4,856	
Tyre Size	Front AG.	420/70R28	
	Rear AG.	520/70R38	

[illegible]



HX1302/1402

Retention period	2 years
Issuer	Marketing Team

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※ The details of the contents may differ from the actual vehicle.