



UD TRUCKS

THE ALL NEW

Croner

Make Every Moment Count



UD TRUCKS



RYMCO
RASAMNY YOUNIS MOTOR CO.

1599

Going the Extra Mile



Croner, Saving you the most precious resource of all: Time.

The new Croner. Ahead of time.
Go the extra mile with the truck that makes every moment count.

INSPIRED BY TIME

Croner is named after Chronos, the god of time in Greek mythology, because it saves you time – and that saves you money. It means more time on the road and less time in the workshop. So you and your customers stay happy longer.

Croner is built to save your business time with a host of features – adding up minutes, hours and days saved with reliability to keep you running on the road for years.

Croner saves you days with service intervals longer than the industry standard. And hours upon hours with smart aftersales support, driver training, and accessible parts that give you faster maintenance. With a comfortable cab, high torque UD engines and our best-ever fuel efficiency, Croner makes every moment count on every run you make.

Croner keeps your business moving on time, every time. With maximized productivity and minimized downtime, it'll deliver satisfaction to you – and your customers – for years, no matter what the task.

Our founder, Kenzo Adachi, had a vision. To build "the truck the world needs today." With Croner, that legacy continues. From the robust engineering and efficient driveline to its smart and modern design, Croner is made to save you time.

**Croner is built to go the extra mile.
So you can go the extra mile.**



Croner
Make Every Moment Count

Making the best of your time.

Croner not only delivers on all the essentials, but shows smart thinking in all the little details too. It'll save you minutes, hours, days and eventually years. Just like you, we know that these moments add up to the success of a business.



PRODUCTIVITY

WIDE MODEL OFFERING

Croner can be configured to suit your specific needs, with flexibility in everything from GVW and wheelbase choices to cab, driveline, axle, and suspension options. You can optimize your truck for better productivity.

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DRIVER EFFICIENCY

EASY TO DRIVE

Automatic transmission available for MKE and LKE for improved ease of use, safety and less driver workload. It quickly and automatically chooses the right gear position at all times and the high torque engines make Croner a pleasure to drive.

Pages 8-9

EASY IN AND OUT

Entering and exiting the cabin of the Croner is simple and safe. The two-step entry and the ergonomic entry-handle provide quicker and easier access for the driver.

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AIR SUSPENSION

Optional rear air suspension on all variants except 18 tonnes, with a stabilizer function for improved safety, minimizes damage on sensitive cargo.

Page 7

EXCELLENT ERGONOMICS

The Croner's cabin features a modern, more open and ergonomic design with driver well-being and efficiency at the forefront. This means more comfort, less fatigue and higher productivity for the driver.

Page 10

PRODUCT UPTIME

RELIABLE COMPONENTS

Each component is the result of years of experience and extensive quality control tests conducted by UD Trucks with Japanese quality philosophy.

Page 15

LONGER SERVICE INTERVALS

Croner's robust, precision componentry extends the period between service intervals, allowing more time on the road and less time in the workshop.

Page 15

FUEL EFFICIENCY

MAXIMIZING FUEL EFFICIENCY

The new high torque GHE engine series, UD's fuel coaching solutions and the optional automatic transmission gives every driver the tools to improve and maximize fuel efficiency.

Page 8

AERODYNAMIC CAB DESIGN

A new, more aerodynamic cab design reduces the coefficient of drag (CD) by five percent compared to our existing medium-duty trucks.

Page 8

ROBUST CHASSIS

Croner has a chassis frame that is made from upgraded high-tensile strength steel.

Page 15

EASY MAINTENANCE AND REPAIR

Croner has been designed with reliability and productivity in focus, paired with easily accessible components to minimize the time spent on maintenance.

Page 15

SAFETY

ACTIVE AND PASSIVE SAFETY

Croner comes with numerous active and passive safety features to protect drivers, fleets, cargo and the surrounding traffic.

Page 12

RELIABLE BRAKING SYSTEM

A full air braking system with reliable S-cam drum brakes with auto slack adjuster is offered on all variants, delivering safety and increased reliability. Options for the brake system include anti-lock braking system (ABS).

Page 12

UPTIME SUPPORT

UD Extra Mile Support is everything you need to make the most out of every moment. From service and parts to on-road support, driver training and telematics, it's our complete solution that you can rely on to keep your truck running.

UD GENUINE SERVICE AND UD GENUINE PARTS

UD Genuine Service means your truck is always in the hands of professionally trained and competent front-line staff who know what's best for it. UD Genuine Parts have been specially designed and tested for your UD truck to ensure maximum vehicle performance and endurance. Both combine to keep your trucks on the road longer for higher productivity and less time wasted.

Page 16

DRIVER TRAINING

UD Driver Training is a series of extensive driver training programs, which will improve the capabilities of your drivers. Our courses cover handover and operation, fuel-efficient and safe driving, and securing cargo customizable for your operations.

Page 11

UD TRUST SERVICE AGREEMENTS

UD Trust is the best way to know your costs today and in the future. It provides you with the expertise of UD Genuine Service, the quality of UD Genuine Parts and the knowledge that your truck is in the best hands with a pre-defined and optimized service schedule. There are no surprises or unexpected expenses, just a fixed monthly fee that you know upfront.

Page 17

UD TELEMATICS SERVICES

UD Telematics keeps you updated on your fleet and business. It generates easy-to-read reports on fuel usage to help drivers go further with less fuel consumption and less cost. It further maximizes productivity and uptime so your fleet is always on the road and on the go.

Page 18

UD MOBILE WORKSHOP

Preventive maintenance is key to keeping a fleet running. For greater convenience and uptime, our UD Mobile Workshop comes right to your doorstep.

Page 19

UD ROAD SUPPORT

If your truck experiences an unexpected standstill, UD Road Support is just a phone call away. Once we've established your location and the nature of the problem, our nearest service van and technician will be on-site to help get you back on the road as soon as possible.

Page 19



Wide range of choices to keep every type of business on schedule.

Croner is a versatile medium-duty truck platform you can rely on. Three GVW ranges and a wide choice of wheelbases offer up to 21 different basic configurations with additional driveline, PTO and job-specific customization. Croner will get the job done faster, better and safer than ever before.

A MEDIUM-DUTY TRUCK WITH GVW S FROM 10.4 TO 18 TONNES

Croner has been built to excel in the medium-duty segment, doing whatever you need it to. With GVWs from 10.4 to 18 tonnes to choose from, you can find a Croner that will suit your needs perfectly.*

* Our vehicle is a standard vehicle and does not include any technical modification on the truck chassis to comply with the rules imposed by the international conventions, the relevant national legislation, and the transport rules and standards for specific purposes such as hazardous substances transport. Any such modification needs to be done by the bodybuilder or the customer, and in no event shall UD Trucks be liable for any liability, loss, injury or risk which is incurred or suffered as a result of such use of the vehicle.



MKE

Compact-sized medium-duty truck optimized for urban usage, with better maneuverability for narrow roads and city deliveries.

GVW 10.4 T – 11 T Engine (GH5E)

- 180 hp/136 kw (Euro-3)
- 210 hp/157 kw (Euro-3, Euro-4)
- 240 hp/179 kw (Euro-4)

Transmission

- Manual 6-Speed
- Automatic 6-Speed

Cab

- 2.1 m Day/Sleeper

LKE

Multi-purpose model for in-city and city-to-city distribution focusing on transport efficiency.

GVW 12 T – 14 T Engine (GH5E)

- 180 hp/136 kw (Euro-3)
- 210 hp/157 kw (Euro-3, Euro-4)
- 240 hp/179 kw (Euro-4)

Transmission

- Manual 6-Speed
- Automatic 6-Speed

Cab

- 2.1 m Day/Sleeper

PKE

Catering for medium-heavy duty usage with a powerful 6-cylinder engine for regional, long haul and heavier load.

GVW 15 T – 18 T Engine (GH8E)

- 250 hp/186 kw (Euro-3, Euro-4)
- 280 hp/209 kw (Euro-3, Euro-4)

Transmission

- Manual 6-Speed
- Manual 9-Speed

Cab

- 2.3 m Sleeper

FLEXIBLE CABIN LAYOUT

The MKE and LKE models come with a choice of day cab or sleeper cab, both 2.1 meters wide, while the PKE model has a 2.3-meter wide sleeper cab.

- The day cab allows for more load and utility space since it's more compact.
- The sleeper cab improves driver comfort and efficiency on long- and medium-haul drives.



Standard Day Cab

Sleeper Cab

FLEXIBLE, POWERFUL DRIVELINE

The new 5-liter and 8-liter engines, powered by UD Trucks' advanced technology, combine reliability with top class performance. Delivering high torque from low revs with flat torque curves, these modern engines provide:

- Better pulling power and easier driving.
- Improved fuel efficiency.
- Extended maintenance intervals.
- Longer life of the engine.



GH5E Engine



GH8E Engine

ROBUST MANUAL AND AUTOMATIC TRANSMISSIONS

All Croner models come with a choice of reliable and durable manual and automatic transmissions.

- The manual 6-speed and 9-speed transmissions are robust and durable, and able to cope with the toughest demands in various operation conditions.
- The highly reliable automatic transmissions, optimized for on-road logistics and garbage compactors, are factory installed and available for all models.



Manual Gearbox for 5-liter GH5E Engine



Manual Gearbox for 8-liter GH8E Engine



Automatic Gearbox for 5-liter GH5E Engine

USEFUL PTO OPTIONS FOR ALL DRIVELINES

The new engine and transmission PTOs deliver even more torque than before, boosting your job productivity.

- Engine PTO (Power Take-Off) option with flange connector is available for both the GH5E and GH8E engines.
- Transmission PTO option with rear-mount type for 6-speed and 9-speed manual transmissions. DIN pump connect or flange connectors can be selected to suit your specific job requirements.
- Side or upper-mounted PTO operating choices for the automatic transmission.

WIDE RANGE OF WHEELBASE CHOICES

Croner's wide range of wheelbase options means Croner can be adapted to suit any medium-duty application and deliver excellent productivity.

- Six wheelbase choices range from 3750 mm to 5500 mm available for all variants multi-leaf spring rear suspension.
- Longer wheelbase choices include 6000 mm and 6500 mm for 15 t and 18 t GVW variants.

CLASS-LEADING AXLE LOADS

Croner tops the class in terms of front and rear axle loads, making it the most productive medium-duty truck on the market.

- Both axles are built extra tough to enable high loads.
- Extended oil change intervals close to three times longer than current medium-duty truck models.



ADDITIONAL REAR AXLE OPTIONS AND AIR SUSPENSION

Croner comes with rear axle multi-leaf spring and air suspension options.

- The multi-leaf spring rear suspension has two stiffness options: normal for standard loads and stiff for heavier cargo.
- Air suspension is also available as an additional option with mechanical height control valve and dump switch. The improved stability and cushioning is perfect for sensitive cargo freight.



Maximize your operating hours with increased fuel efficiency.

UD Trucks prides itself in offering you the package that suits your needs. Croner uses fuel efficiently and without waste. Using less fuel every minute means going further and longer at lower cost.

ADVANCED PRECISION FOR TOP-LEVEL FUEL EFFICIENCY

At the heart of the Croner is a set of new engines: The 5-liter GH5E and 8-liter GH8E. Developed by UD Trucks, they feature state-of-the-art technology with high torque of up to 1,050 Nm and fuel efficiency as key strengths to give optimal performance.

- These modern and fully electronically controlled common rail engines operate with extreme precision.
- Computer-controlled injection, fuel quantity and atomization are finely controlled for varying situations, and for each cylinder, giving outstanding fuel consumption and low emissions.



The 5-liter 4-cylinder diesel engine

The GH5E delivers fuel-efficient daily duty work for a wide range of applications.

- Efficient output and high torque allows for engine 'downsizing' without compromises.
- Power/torque: 180 hp/750 Nm, 210 hp/825 Nm, 240 hp/900 Nm* (Euro-3/*Euro-4).



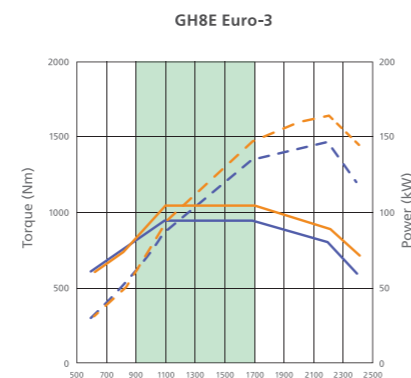
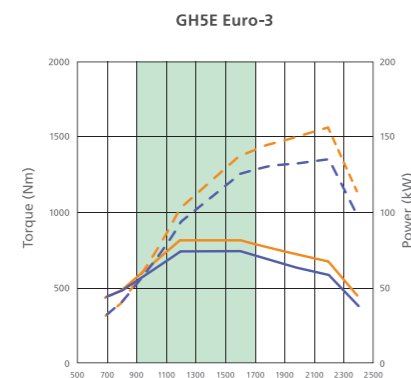
The 8-liter 6-cylinder diesel engine

The GH8E offers excellent and powerful performance, ideal for construction work and for transporting large and heavy loads.

- Strong power combined with low operating costs through good fuel efficiency, reduced maintenance and long service intervals.
- Power/torque: 250 hp/950 Nm, 280 hp/1,050 Nm (Euro-3/Euro-4).

With maximum torque delivered from low revs and in the "green band" – that is, a flat torque curve with a wider max-torque band – the GH engine operates efficiently and without excess revving. This means better pulling power with less fuel consumed and less component wear.

GH5E Euro-3			
■ 180 hp/750 Nm	■ 210 hp/825 Nm		
--- Power	--- Power		
--- Torque	--- Torque		
GH8E Euro-3			
■ 250 hp/950 Nm	■ 280 hp/1,050 Nm		
--- Power	--- Power		
--- Torque	--- Torque		



GH8E Engine + Automatic Transmission + 11 T + Rear Axle



AUTOMATIC TRANSMISSION

The optional automatic transmission knows the best gear to engage in any situation and allows for quicker yet efficient and optimal cruising speeds. That means more trips per day and a boost to overall productivity.

- Optional automatic transmission for MKE and LKE.
- Correct gear for any driving situation ensures optimum engine rpm for best fuel efficiency.
- Direct coupling "lock up" function for enhanced fuel efficiency and performance.



AERODYNAMIC CAB DESIGN

The Croner cab is designed for increased fuel efficiency.

- A new, more aerodynamic cab design.
- Optional roof deflector (PKE model).
- Reduced coefficient of drag (CD) by five percent.
- Improved fuel efficiency at highway speeds.



UD TELEMATICS SERVICES

Our designed solutions are aimed at encouraging better driving behavior and protection of fuel assets:

- Fuel utilization reports to demonstrate how the truck and driver are performing.
- Fuel advisory services to improve driving behavior.
- Fuel loss alert to prevent theft or misuse of fuel.
- A cable-connected fuel follow-up tool is also available.



FUEL COACHING

The best way to improve driving behavior is to get coaching in real time.

- All Croner models are equipped with a built-in fuel coach, an onboard solution clearly displayed at the center of the instrument cluster, giving instructions in real time.
- Fuel coaching improves driving behavior by prompting driver to use optimal revs and reduce unnecessary acceleration.



CRUISE CONTROL

Cruise control reduces driver workload on longer journeys and helps to reduce fuel consumption by maintaining a constant speed.



SPEED LIMITER

Croner is equipped with a road speed limiter which can be set to desired speed through the instrument panel by the customer (password protected), improving safety and reducing excess fuel consumption.

More space, comfort and convenience for drivers all the time.

Croner's cabin has been designed to be the perfect 'office' for drivers, with a pleasant overall appearance, logical control scheme and numerous features for driver comfort and convenience.

CLEAR AND SIMPLE DRIVER ENVIRONMENT

The ergonomically designed dashboard presents all information clearly to the operator, with all important controls logically placed and clearly marked for maximum ease of use.

DIGITAL DRIVER'S INFORMATION DISPLAY

An easy-to-read instrument cluster is backed up by the digital multi-function display (MFD). Croner is one of the few medium-duty trucks to have this as a standard feature in all models.

CAB DESIGN MADE WITH DRIVERS IN MIND

Croner cabin features a new, more open and ergonomic design with driver comfort at the forefront.

SLEEPER CAB FOR THE LONG HAUL

Rested drivers deliver better. A sleeper cab configuration is also available, with a single bunk bed for long-haul operations.

ADAPTABLE COMFORT FOR ALL DRIVERS

Ergonomically designed seats with a wide range of adjustment, plus a steering column with adjustable length and angle, to suit a wide range of drivers and give the best driving position. Optional air suspension driver's seat delivers even better comfort.

LESS FATIGUE, MORE EFFICIENCY

An improved cabin with reduced noise, vibration and harshness improves overall driver performance and productivity.

PRACTICAL AND WELL-LIT

Ample overhead storage bins and clear interior lighting with optional large fluorescent lamp.

EASY TO ENTER AND EXIT

The two-step entry allows for a quick and safe entry and exit with a first step positioned for easy cabin access and an ergonomic entry-handle.

CAPABLE DRIVELINE MAKES JOBS EASIER

Superior drivability from high torque engines with automatic transmission options available for all models for enjoyable and stress-free driving.



We invest time in drivers.

Driver training helps operators do their job better, maximizing productivity and reducing costs and downtime. The tools that we develop help drivers be more efficient, making them enjoy every moment of their work while growing your business. UD Trucks believes that investing in the skills and knowledge of drivers is just as important as building the truck to be better. By including UD Telematics Services, you can easily monitor and follow up on your training. This is the best combination for the driver to get the most out of his or her truck.

DRIVER TRAINING COURSES

UD Driver Training courses cover all aspects for a complete, all-round approach. Courses include:



Vehicle Handover And Operation
The handover introduction ensures the driver learns about his vehicle, its features and how to conduct daily check inspections that are essential to keep the truck on the road longer.



Fuel-Efficient And Safe Driving
This training helps even experienced drivers improve their efficiency behind the wheel for more cost-effective and safe driving.



Securing Cargo
The course shows drivers the best ways to secure goods and protect them against theft.

Built to be safe and secure in the race against time.

UD Trucks leaves nothing to chance and that includes safety. Croner's active and passive safety features protect your company's precious resources – the people, the fleet, and the customer's cargo – as well as the surrounding traffic.

ACTIVE SAFETY

SUPERIOR BRAKING PERFORMANCE

S-cam full air brakes with automatic slack adjustment provide effective stopping power, anti-lock brake system with electronic brakeforce distribution are standard with rear leaf suspension, and optional with air leaf suspension. This system makes Croner future-proof, as ABS will be a legal safety requirement in many markets in the near future.

CLEAR ILLUMINATION FOR ALL SITUATIONS

Superior visibility with standard headlamps featuring optional height adjustment, optional fog lights and optional daytime running lights.

STABLE HANDLING PLATFORM

Croner is designed with excellent handling and stability that is further improved with an optional front anti-roll bar. For trucks with a high superstructure, this additional stability is a key safety feature.

NO MESSING AROUND

Anti-spill fuel device ensures no fuel is spilled at fuel filling or during driving if the tank cap is missing.

DUAL-SETTING SPEED LIMITER

Croner has a dual speed limiter function:

- Default speed limit: Based on country regulation, it is set in the factory and cannot be modified to exceed regulation speed.
- Selective speed limit: Through IC (Instrument Cluster) – the speed limit function can be set by the customer to any speed less than the default speed. This setup is password protected. This will help to reduce accidents caused by excessive speed and reduce excess fuel consumption.

FRONT STABILIZER

This is a key feature for overall chassis stability, especially in superstructures with a high centre of gravity.

PASSIVE SAFETY

STRONG AND DURABLE STEEL FRAME

Croner's steel frame provides strength and safety, while the reinforced cabin has been developed under strict deflection, crash and durability targets, and is designed to meet Japanese safety requirements of a flat barrier impact at 40 km/h.

MEETS SAFETY STANDARDS

Seat and seat belt anchorage meet the ECE R17 and ECE R14 European test regulations.

OPTIONAL FRONT/REAR UNDERRUN PROTECTION

All variants of Croner available with ECE R93 and ECE R58.02 compliant front and rear underrun protection as an option, effectively protecting other vehicles and road users.

HEADLAMPS

Daytime running lamps are an option for Croner. They increase the visibility of the vehicle for the benefit of other road users.



Ultimate Dependability. Months and years of development and testing.

Japanese reliability and robustness is in the DNA of UD Trucks. Our founder's vision was to create trucks that are more reliable and efficient than anything else.

Croner upholds that tradition with Ultimate Dependability in every aspect. Each component is the result of years of development and harsh stress testing to create the ultimate medium-duty platform.

ENGINEERED BY UD

Croner's development has been done with quality and reliability at the forefront, right from the start of the design, through engineering, testing and manufacturing. Over 3 years of development and testing by our expert engineers, from initial concept to serial production, who spent 1,700,000 engineering hours, 30,000 hours of testing hours, using 90 test rigs and over 100 test trucks. The result is a vehicle that is ahead of its class in robustness, reliability and durability.

RELIABILITY AND DURABILITY TESTING

Strong endurance has been a UD Trucks trademark since the start of our foundation, which is why our reliability and durability testing programs are so rigorous. And Croner has excelled in all of them.

Durability testing was conducted over an equivalent of 3 million kilometers, putting the Croner to the test in the toughest weather conditions and terrains around the world. In addition, 1.4 million kilometers of field tests in actual customer operations were carried out across 6 countries and 3 continents over a period of 18 months.

"Croner has undergone millions of kilometers of combined reliability and durability testing."

Masami Ozono,
Medium-Duty Truck Product Manager



Engineered to be durable. Designed to run around the clock.



With Croner we have created a reliable and durable truck, built with proven robust components without compromising on quality. This allows for longer time between scheduled service intervals. Simply put, it's an enduring and easily serviced truck, so you'll spend less time on maintenance and more time making money on the road.



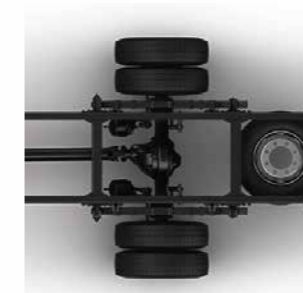
GHE ENGINE

- Proven global technology with strenuously tested reliability and durability.
- Enhanced component design, manufacturing and testing process to provide best-in-class performance.
- Long oil change intervals reduce maintenance cost and increase uptime.



TRANSMISSION

- Built with endurance in mind, the Croner's transmission is a proven solution tested by experts with decades of experience in medium-duty trucks.
- A robust twin-countershaft design enables it to reach a higher reliability level than typical medium-duty trucks.



UPGRADED HIGH-TENSILE STEEL CHASSIS FRAME

- Built for durability and safety with millions of kilometers of durability testing.
- Frame with the highest tensile limit (strength) in its class.
- Engineered to be strong yet flexible based on globally proven technology and experience.
- Flexibility ensures chassis components perform well and reduces cargo stress.



AXLE CAPACITY

- Croner has the highest axle capacity in its class.
- Increased carrying capacity delivering more uptime and productivity in heavy load use such as construction.
- In other words, it can carry more than typical medium-duty trucks, with the ultimate reliability and durability expected of a UD truck.



BRAKES FOUNDATION

- A full air braking system with reliable S-cam type drum brakes with auto slack adjuster.
- Croner has a larger capacity of brake drum and linings than other trucks in its class.
- Larger brake capacity provides better stopping power and lasts longer between service intervals.
- Less need for maintenance and replacing parts means boosted uptime, hence saving lifetime costs.



FRONT AND REAR SUSPENSION

- Croner offers several reliable and durable options from leaf spring to air suspension.
- A heavy-duty version of the multi-leaf spring suspension is available with higher stiffness and strength.
- Optional air suspension is available for factory option to meet customer demand for transport quality of sensitive freight.

CLUTCH

- The manual transmission's clutch features the largest clutch plate size in its class.
- Larger clutch plates deliver better performance with extended change intervals, hence improving uptime.
- Available for factory option cerametallic clutch plate for high temperature operation condition.

LONGER SERVICE INTERVALS

- The maintenance interval of lubricants for engine, transmission and various gears are significantly extended.
- Oil-bath type of the front axle hub and the larger capacity of the clutch and brake will reduce the lifetime maintenance costs.

For more details, please contact your closest UD dealer.

EASY MAINTENANCE AND REPAIR

- Large opening of the cab tilts up to 48 degrees for simpler access to the engine.
- For daily inspections and maintenance, the checklist is centralized on the front lid.
- Full air brake system – without any hydraulics – means no need for hydraulic oil replacement and wheel cylinder maintenance.



Maximize uptime with UD Extra Mile Support.



UD GENUINE SERVICE

Nobody knows your trucks better than our experts. UD Genuine Service is carried out at authorized UD Trucks workshops that have:

- Highly skilled UD mechanics and service teams.
- Access to UD Trucks special tools and diagnostic equipment.
- Top-quality UD Genuine Parts to keep your trucks in optimum condition.



UD GENUINE PARTS

UD Genuine Parts are manufactured to the highest quality and durability standards and are a genuine long-term cost saver. UD Genuine Parts have many important benefits:

- A one-year warranty.
- Designed and tested to last for optimal service intervals.
- Fewer stops for maintenance and increased uptime.
- Reduced overall cost per kilometer.



OPTIMIZED SERVICE PLANNING

We know what's best to keep your trucks on the road. Allowing us to take care of your truck's preventive maintenance means we create a pre-defined and optimized service schedule for your trucks based on your specific usage requirements. Detailed service planning helps to:

- Reduce workshop visits.
- Optimize service intervals for maximum uptime.
- Lessen and shorten maintenance tasks needed.

Oil changes and regular fluid renewal are vital for any vehicle. Croner has been designed to go even further between its scheduled oil change and other major fluid service intervals. Plus, the actual time taken to complete these maintenance tasks has been shortened. This means less time in the workshop and more time on the road.

UD TRUST SERVICE AGREEMENT

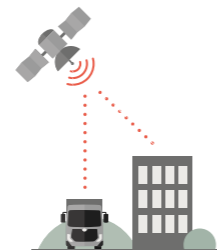
UD Trust service plans are the best way to take care of your new truck while locking down costs both now and in the future. UD Trust is all about giving you the benefits you need, such as:

- Keeping your fleet on the road.
- Maximizing profits.
- Minimizing unplanned expenses.

The UD Trust Standard ensures proper functioning of components, preventive maintenance for better performance of vehicle and secure uptime for your business, you'll know exactly when a service is needed and what you're paying for. With full transparency, no hidden costs and less administration for your business.

At your service, every hour of every day.

We believe in going the extra mile to support you wherever you are – or wherever your fleet may be. UD Telematics connects you with your fleet in real time and on the road, while UD Road Support means UD Genuine Service and Parts are just a phone call away, 24/7. Our Mobile Workshop brings service and expertise to you, so you don't have to go out of your way to give your fleet the service it needs.



*TRACK YOUR FLEETS' PERFORMANCE WITH UD TELEMATICS SERVICES

UD Telematics Services is a high-tech wireless communications system designed to help you manage your fleet effectively, keeping them on the road while reducing operational costs.

UD Telematics Services integrates four key features:

- Track and Trace**
 Real-time overview on the location of your fleet.
- Fuel Utilization**
 Analyzes driver behaviour and generates easy-to-read reports to identify areas for fuel savings.
- Fuel Loss Alert**
 Notifies the driver should there be any unexpected loss of fuel due to theft or damage.
- UD Proactive Support**
 Enhanced consultation program designed to help you increase your vehicle uptime.



*UD MOBILE WORKSHOP – THE WORKSHOP THAT COMES TO YOUR DOORSTEP

Just let us know the best time to visit and UD Mobile Workshop will be right at your doorstep, delivering the UD Genuine Service you need. With no need to send trucks off-site for maintenance, you can save time and money, and focus on growing your business. Our mechanics will go straight to your location, saving you time and avoiding travel or towing costs, and provide the best quality service in the shortest amount of time.

The easy way to service your truck. Book an appointment with your nearest UD workshop. Next, we service your truck at a date, time and place that's convenient for you. Finally, pay seamlessly after service upon receiving your invoice.



*UD ROAD SUPPORT – WE'VE GOT YOUR BACK 24/7

You never have to worry about unexpected breakdowns again. Our fast and efficient UD Road Support team is just a phone call away, providing repair services at your convenience to get you back on the road in the shortest time possible.

When your truck experiences a standstill. You can dial the UD Road Support service hotline. Next, UD Service Vehicles will be dispatched to breakdown site. Finally, you receive a maintenance report and invoice upon completion of repairs.

Remark (*) It is under condition of each market. For more information please contact distributor.

Technical Specifications – The Croner Range

1. CONFIGURATION OVERVIEW

Segment	Medium Duty				Medium Heavy Duty		
GVW	10.4 t	11 t	12 t	14 t	15 t	17 t	18 t
Model Name	MKE		LKE		PKE		
Cab	2.1 m Day/Sleeper				2.3 m Sleeper		
Engine	GH5E: 180 hp(Euro-3)/210 hp(Euro-3, Euro-4)/240 hp(Euro-4)				GH8E: 250 hp(Euro-3, Euro-4)/280 hp(Euro-3, Euro-4)		
Transmission	Manual 6S/Automatic 6S				Manual 6S,9S		
Axle Capacity	Front: 4.2 T/Rear: 7.5 T		Front: 5.0 T/Rear: 9.5 T		Front: 6.5 T/Rear: 11 T		Front: 6.5 T/Rear: 12 T
Front Suspension	Parabolic/Multi-leaf		Parabolic/Multi-leaf		Parabolic/Multi-leaf		
Rear Suspension	Air/Multi-leaf		Air/Multi-leaf		Air/Multi-leaf		Multi-leaf
Tyre	8.25R-16	235/75R17.5R	8.25R20	9.00R20	10.00R20 11.00R20 11R22.5 295/80R22.5	11.00R20 11R22.5 295/80R22.5	11R22.5 295/80R22.5

2. WHEELBASE

Model	GVW	Rear Suspension	Wheelbase								
			3450	3750	4250	4500	4750	5250	5500	6000	6500
MKE	10.4/11 t	Air			•	•	•	•	•		
		Leaf		•	•	•	•	•	•		
LKE	12/14 t	Air			•	•	•	•	•		
		Leaf	•	•	•	•	•	•	•		
PKE	15 t	Air			•	•	•	•	•	•	•
		Leaf		•	•	•	•	•	•	•	•
PKE	17 t	Air							•	•	•
		Leaf		•	•	•	•	•	•	•	•
PKE	18 t	Leaf		•	•	•	•	•	•	•	•

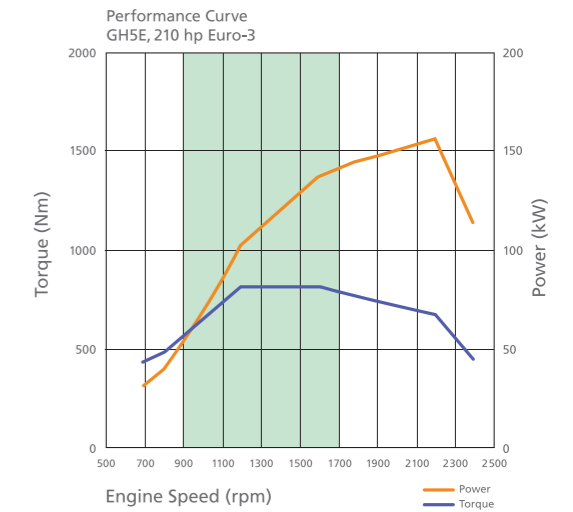
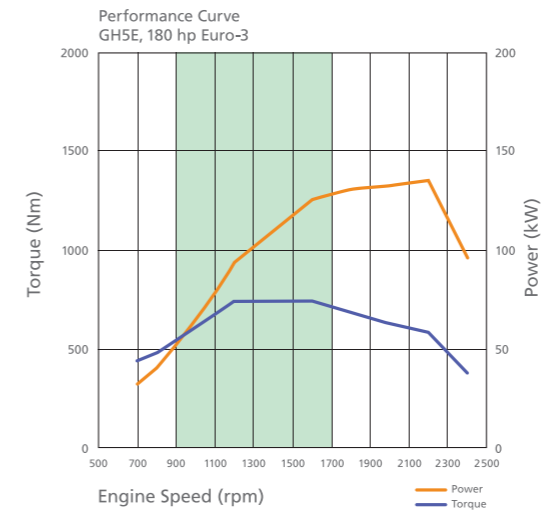
3. LOAD CAPACITY

Model	GVW	Front Suspension		Rear Suspension	
		Type	Axle Load	Type	Axle Load
MKE	10.4-11 t	Parabolic	FAL 4.2	Air	RAL 7.5
		Multi-leaf			
LKE	12-14 t	Parabolic	FAL 5.0	Air	RAL 9.5
		Multi-leaf			
PKE	15 t	Parabolic	FAL 6.5	Air	RAL 11
		Multi-leaf			
PKE	17 t	Parabolic	FAL 6.5	Air	RAL 11
		Multi-leaf			
PKE	18 t	Parabolic	FAL 6.5	Multi-leaf	RAL 12
		Multi-leaf			

4. ENGINE

GH5E ENGINE

Inline 4-cylinder four cycles turbocharged and air-to-air intercooled diesel engine. Single overhead camshaft with 4 valves per cylinder.

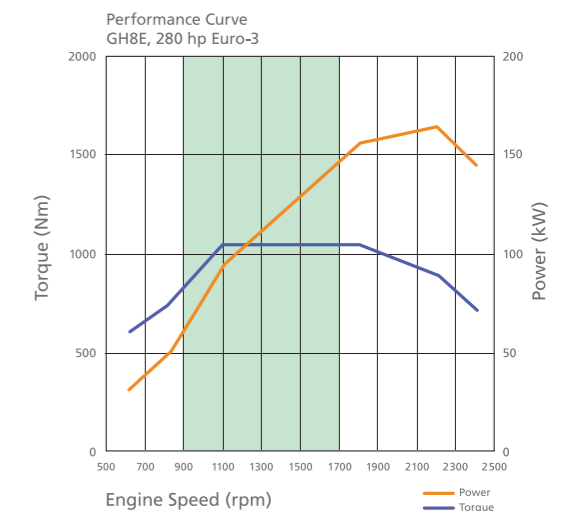
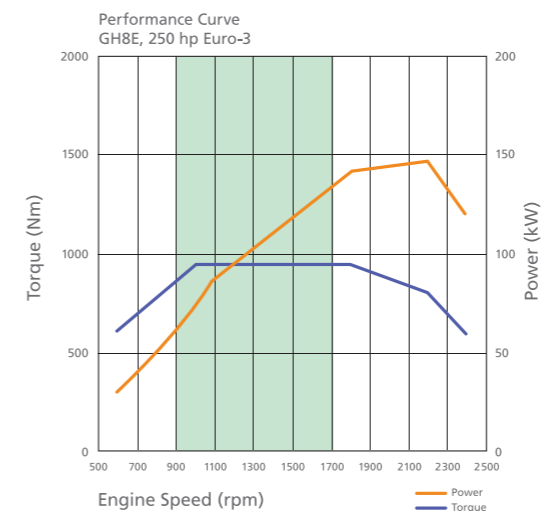


Displacement	Fuel Injection	Economy Rev Range	Emissions Certification
5.1 liters	Electrically controlled direct injection with super high pressure common rail system.	900-1,700 r/min	Euro-3/ Euro-4

GH5E 180 Euro-3		GH5E 210 Euro-3		GH5E 210 Euro-4		GH5E 240 Euro-4	
Max Power	180 hp/136 kW at 2,200 rpm	Max Power	210 hp/157 kW at 2,200 rpm	Max Power	210 hp/157 kW at 2,200 rpm	Max Power	240 hp/179 kW at 2,200 rpm
Max Torque	750 Nm at 1,200-1,600 rpm	Max Torque	825 Nm at 1,200-1,600 rpm	Max Torque	825 Nm at 1,200-1,600 rpm	Max Torque	900 Nm at 1,200-1,600 rpm

GH8E ENGINE

Inline 6-cylinder four cycles turbocharged and air-to-air intercooled diesel engine. Single overhead camshaft with 4 valves per cylinder.



Displacement	Fuel Injection	Economy Rev Range	Emissions Certification
7.7 liters	Electrically controlled direct injection with super high pressure common rail system.	900-1,700 r/min	Euro-3/ Euro-4

GH8E 250 Euro-3		GH8E 280 Euro-3		GH8E 280 Euro-4		GH8E 250 Euro-4	
Max Power	250 hp/186 kW at 2,200 rpm	Max Power	280 hp/209 kW at 2,200 rpm	Max Power	280 hp/209 kW at 2,200 rpm	Max Power	250 hp/186 kW at 2,200 rpm
Max Torque	950 Nm at 1,100-1,700 rpm	Max Torque	1,050 Nm at 1,100-1,700 rpm	Max Torque	1050 Nm at 1,100-1,800 rpm	Max Torque	950 Nm at 1,000-1,800 rpm

5. DRIVELINE

A. Transmission

Gear No.	ST1006	ST1306	ST1199	AL256	AL306
	Manual 6-Speed	Manual 6-Speed	Manual 9-Speed	Automatic 6-Speed	Automatic 6-Speed
1	8.71	8.71	12.11	3.51	3.49
2	4.69	4.69	8.08	1.90	1.86
3	2.93	2.93	5.96	1.44	1.41
4	1.87	1.87	4.42	1.00	1.00
5	1.30	1.30	3.36	0.74	0.75
6	1.00	1.00	2.41	0.64	0.65
7	-	-	1.77	-	-
8	-	-	1.32	-	-
9	-	-	1.00	-	-
Reverse	8.02	8.02	12.66	5.09	8.02

B. Clutch

Single-disc clutch operation with hydraulics and air-assisted booster. Largest size of disc diameter (395 mm) is adapted.

- Organic type – Recommended for standard specification.
- Cerametallic – Recommended for high temperature environmental operation like Go & Stop compactor mode.

C. Rear Axle Ratios

A wide range of ratios are available, delivering maximum drivability and superior fuel economy, whatever the application.

- 7 variant for 10.4-14 t.
- 6 variant for 15-18 t.

6. POWER TAKE-OFF (PTO) SYSTEM

- Engine PTO available as an option with flanged connection. Maximum torque output on GH5E 400 Nm and GH8E 600 Nm with 1 to 1 gear ratio.
- Transmission PTO with 6 or 9-Speed SMT (manual) available with flange or spline connection, maximum torque 350 Nm.
- Automatic transmission PTO for a selection of side or upper mounted type, depending on PTO size.

7. CHASSIS

The chassis of the Croner has been designed for optimal vehicle strength and long-term durability, but with a high level of customization according to operational and legal requirements. Different wheelbases, rear overhang, fuel tank capacities and exhaust directions can be specified. A huge range of options including front underrun protection can be chosen in order to meet road regulation requirements.

A. Frame

- The Croner's upgraded high-tensile strength (650 N/mm²) frame material is 20 percent stronger compared to current models.
- The new manufacturing process adopts cold rolling which can lower initial stress compared to press stamping manufacturing.
- The rivetless frame at the top helps to rear body building process.

B. AdBlue Tank

20-liter AdBlue tank standard with Euro4 approved models, mounted on the left side. Manufactured from HDPE plastic. Optional lockable tank cap.

C. Fuel Tanks

Fuel tank sizes of 100 liters and 190 liters can be specified for all models, while a 380-liter tank can be specified for models with a wheelbase above 5,250 mm. Double 190-liter fuel tanks (380 liters) are also available.

D. Exhaust

The exhaust system is a horizontal-mount muffler with a galvanized surface treatment for corrosion resistance. Its direction can be specified (rear, right, vertical) according to the customer's or market's requirement.

E. Bumper

The bumper structure is made of three pieces with steel corners enabling a partial replacement of the structure. It also has an aerodynamic design with lowered ride height for improved fuel economy.

F. Spare Wheel Carrier

A spare wheel carrier installed in the rear overhang can be specified where possible. The spare wheel is mounted or removed by inserting a crank handle into the socket of the tire carrier and turning the crank handle.

8. SUSPENSION

A. Front Suspension

In conjunction with the Croner's flexible nature, there are two types of front suspension for high loading applications – a parabolic spring and a multi-leaf spring. The parabolic spring gives the advantage of driver comfort and longer service life.

- Two types of springs available: Parabolic and multi-leaf.
- Two types of stiffness available: Normal and stiffer spring.
- Stabilizer bar is available as an optional variant.
- Double-acting type shock absorber as standard.

B. Rear Suspension

Two choices of rear suspension: Multi-leaf and air spring. The multi-leaf has two levels of stiffness. The rear air suspension is perfect for sensitive applications, such as if the vehicle is used for transporting fragile goods.

9. BRAKES

A. Main Braking System

A full air braking system with reliable S-cam type drum brakes is offered on all variants, delivering easy maintenance, lowered cost of upkeep and increased reliability. An automatic slack adjuster and spring-based parking brakes are also standard.

Options for the brake system include anti-lock braking systems (ABS) with integrated electronic brakeforce distribution (EBD) for superior performance and safety.

B. Exhaust Brake System

Exhaust brake system is standard for both GH5E and GH8E engines. Automatic transmission variants have an auto downshift function that is available when the exhaust brake is switched on. With more revs, the effect of engine exhaust braking is stronger and delivers more efficient overall brake performance.

10. CABIN

A. Exterior

Croner has an all-new, modern exterior design with improved aerodynamics and a low coefficient of drag. A wide front panel/grille framed by low-mounted headlights and fog lights integrated into the bumper for optimum visibility. Two-step entry gives drivers quick access to the cabin.

For ease of maintenance, the cab tilts 45.8 degrees for normal service and 48 degrees for heavy service. This is for easy access without opening the front hatch beforehand. A front step provides easy access to the windscreen and wipers.



Day Cab
1598 mm



Sleeper Cab
1893 mm

Cab instep for quicker, easier access for drivers, the cab has two anti-slip steps and three easy-grip handles with 90 degree door-opening angle. Front underrun protection available as an option.

B. Dashboard

The dashboard has been designed with sound ergonomics in mind: The most important controls and switches are put within easy reach of the driver, all key functions/switches are clearly labeled for maximum usability. The steering column is adjustable for reach and rake in order to give a wide range of drivers the best comfort and operating position.

C. Driver's Information Display

A 90 x 55 mm digital information display is integrated with the instrument cluster, showing a complete range of driving information such as vehicle status, diagnostics and trip data, and fuel coaching.

D. Fuel Coaching System

A real-time fuel coaching system is fitted as standard to all Croner models. Using visual cues on the driver's information display, it guides operators towards improved fuel efficiency. Data for up to 15 trips can be logged and downloaded for analysis and performance optimization.

E. Cruise Control

Cruise control is available as an option.

F. Climate Control

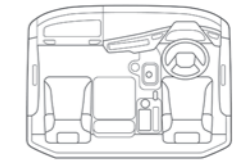
Four choices for climate systems include: Air conditioning only, air conditioning and heater, heater only, or ventilation only.

G. Seats

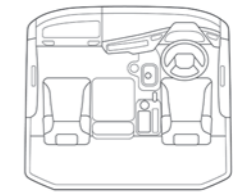
A driver's seat and center seat are standard and upholstered in high-quality, fire-retardant textile.

A choice of three different ergonomically designed driver's seats is available: Fixed, mechanical suspension or air suspension.

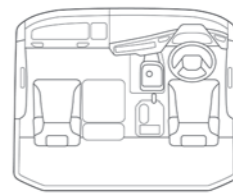
All seats feature a wide range of adjustments: Fore/aft slide range 160 mm, seat cushion tilt 60 mm, height adjustment of 100 mm (air suspension seat).



Day Cab
2100 mm



Sleeper Cab
2100 mm



Sleeper Cab
2300 mm

H. Audio System

AM/FM radio system with USB input for auxiliary audio and charging as an option.

I. Bunks

Bunk mattress available for sleeper cabs.

J. Storage Compartments

Overhead storage space with 2x10-liter compartments available as an option. Center seat can be folded down for more storage room.