DYNAPAC

SOIL COMPACTORS

CA50 CA55 CA65 CA70

DYNAPAC
FAYAT GROUP

dynapac.com

RHINO RANGE

SOIL COMPACTORS

Powerful & Reliable Power-pack

Easy & Safe Operation

Real-time Compaction Control

High Productivity

Max Uptime

The Dynapac CA50-55-65-70 Rhino range is built on a commitment to functionality and user experience, without compromising on performance, durability, and operator well-being. During the development we have focused on the compaction process and quality as well as increasing the reliability of the machines.

The Rhino range provides great versatility with a bolt-on padfoot shell kit to be used interchangeably with a smooth drum machine without diminishing compaction performance.

SOLID COMPACTION PERFORMANCE

DURABLE SOIL COMPACTORS FOR RELIABLE RESULTS

EXCELLENT VISIBILITY

Thanks to the 1x1 view and increase of 35% window area the driver maintains excellent visibility from the cabin at all times.

STAY COMFORTABLE

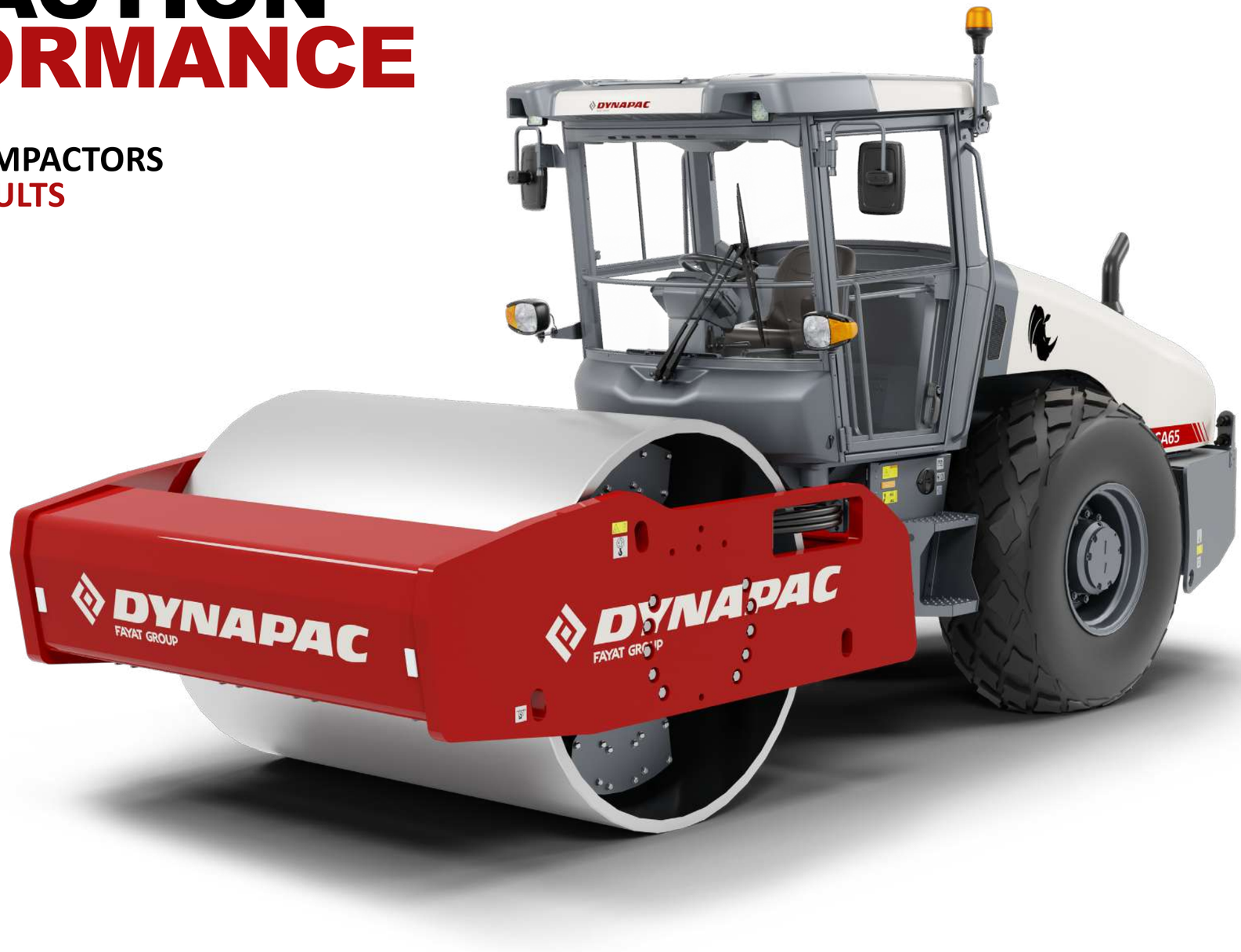
The operator station allows for 60° seat rotation to ensure the driver has an ergonomic working environment throughout the working day.

SAFE JOB SITE

Neutral start & working mode provides a safe operation. The parking brake is spearated from the FNR lever to ensure it does not unintentionally disengage. The Rhino range is equipped with a back-up alarm for job site security.

SAFE OPERATOR

The Rhino machines are equippped with a 2" Safety Belt with seat belt reminder. A safety interlock alarms and stops the machine if the driver gets out of the seat.



DYNAPAC COMPACTION METER, DCM

For real-time compaction control that provides high-quality compaction, up to 25% savings on fuel, up to 25% reduction in emissions, enhanced operator comfort & more.

BOLT-ON PADFOOT SHELL

Choose between either a smooth or padfoot drum depending on the jobsite requirements and the material which is being compacted. Enhance the versatility with padfoot shell kits to be used interchangeably with a smooth drum machine without diminishing compaction performance.

BEST IN CLASS TURNING RADIUS

With an inside turning radius of 3.5 m you increase your maneuverability and boost your productivity. The machine is much easier to handle and you can work in tight spaces.

FOUR MANUAL GEARS

The manual transmission featuring four gears, is designed to provide optimal control and performance in a variety of driving conditions. For enhanced traction and stability, the optional anti-spin differential in the rear enables confident handling even in challenging situations such as slippery roads or uneven terrain.

GROUND LEVEL ACCESS

The cross-mounted engine at the rear offers excellent access to all routine service and maintenance points. The hydraulic pumps are in line with the engine and fully accessible for servicing from ground level. Additionally, all filters and fluids and be changed and refilled from the ground.

WANT TO FIND OUT MORE?

Scan the QR code to enter the Dynapac Rollers product site.

CAB OPTIONS

For those prioritizing safety and adherence to industry standards, the ROPS & FOPS option provides robust protection in hazardous work environments. There is also an Air Conditioned Cab option for those seeking optimal comfort and climate control.

POWERPACK + 24%

The cross-mounted engine at the rear offers excellent access to all routine service and maintenance points. In the new range we upped the engine power by 24% for higher performace and solid results.

AVOID DRUM BOUNCING

The Dynapac Bouncing Indicator alerts the operator and automatically lowers the amplitude settings if the machine begins bouncing, which reduces the risk of destroying the achieved level of compaction.

DYN@LINK FLEET CONTROL

Increase the profitability of your business by using Dyn@link. Quickly identify underperforming equipment, maximize uptime with perfectly scheduled maintenance and in case of a breakdown get the machine operating again as quickly as possible.

JOB SITE CONFIDENCE

Keep your team confident and healthy when operating on the job site. Ensure good working safety, ergonomics and easy to use operating systems.

COMFORTABLE, ERGONOMIC & SPACIOUS

- Get a perfect vision over both working area and surroundings with the 1x1 view
- ISO5006 compliant
- Vibration dampened operators platform
- Seat can be rotated 60° to the right side for an ergonomic operation
- Simple and easy to use operating console with pictorial language
- 2.2" LCD Colour display

PLATFORM OPTIONS

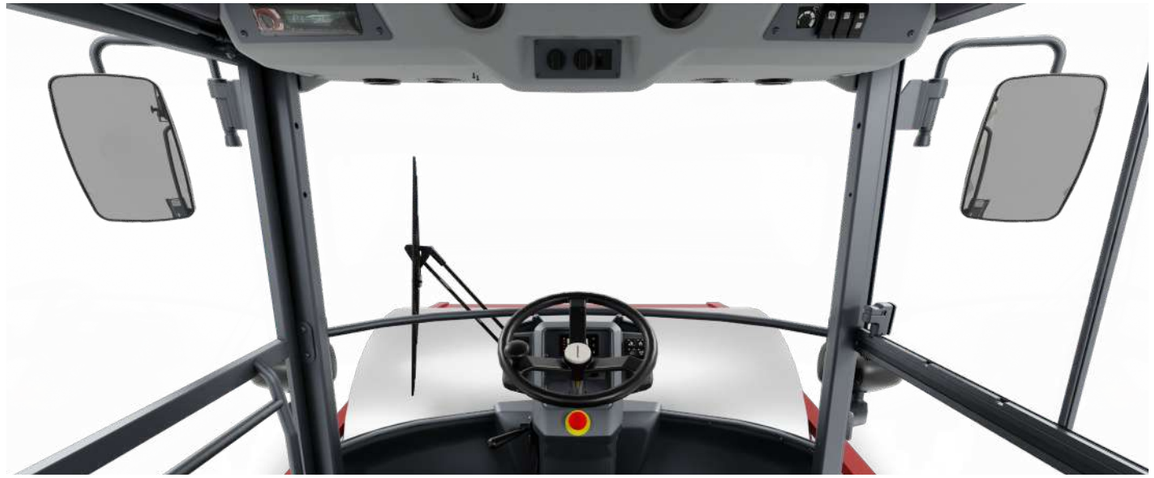
ROPS & FOPS
- Operator's platform, vibration dampened
- Adjustable seat, rotating 60° right
- 2" seat belt
- Charge socket, 12V
- Storage box & cup holder
- Floor mat, standard 10 mm
- Vandal cover (on ROPS & FOPS only)
- Working lights LED
- Rotating beacon H3
- Rear view mirrors traffic

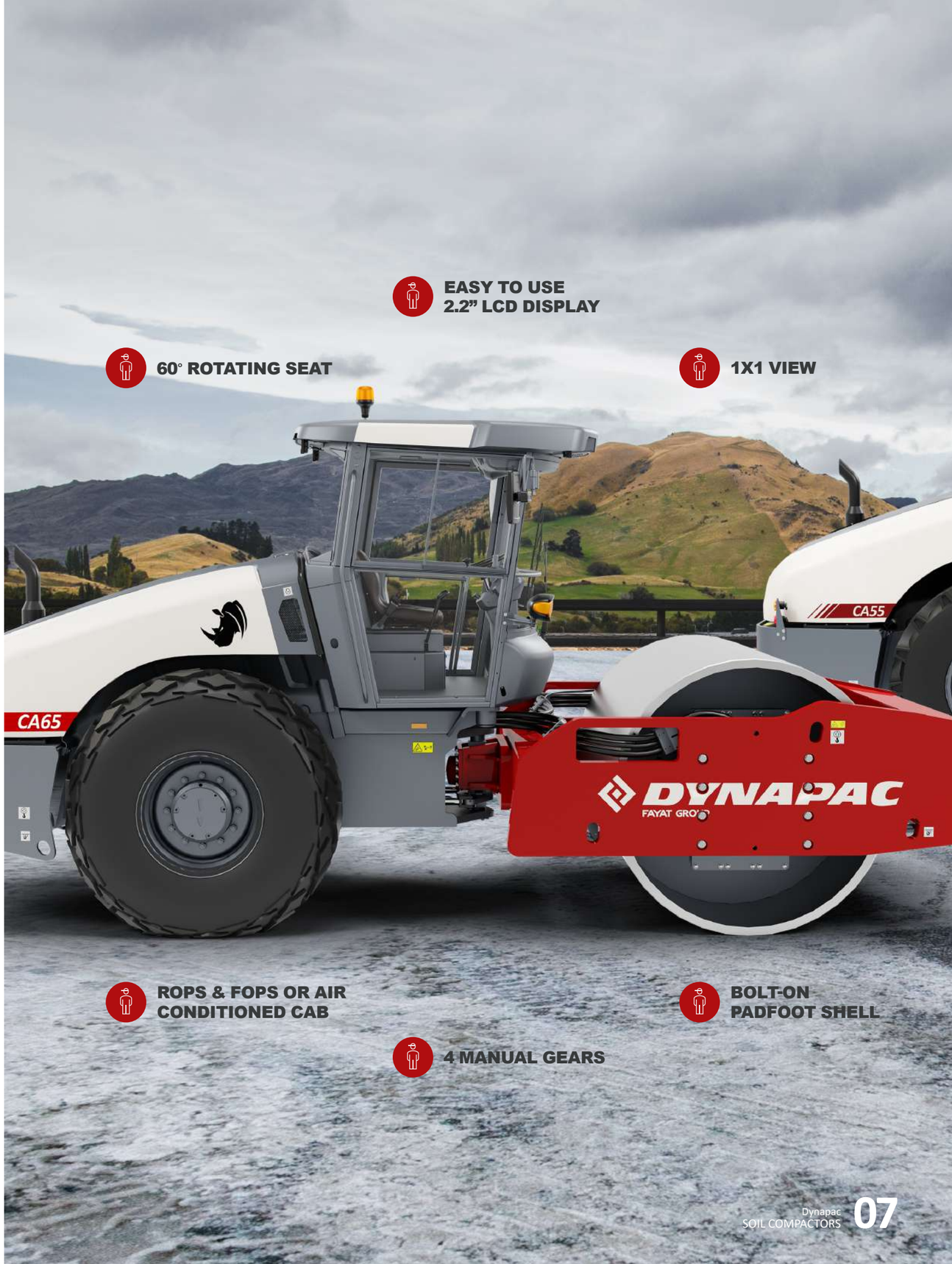
AIR CONDITIONED CAB
- All items included with ROPS & FOPS
- Inner roof, noise absorbing
- Tinted safety glass
- Wiper, front
- Radio with MP3 / USB / Bluetooth
- Internal rear-view mirror

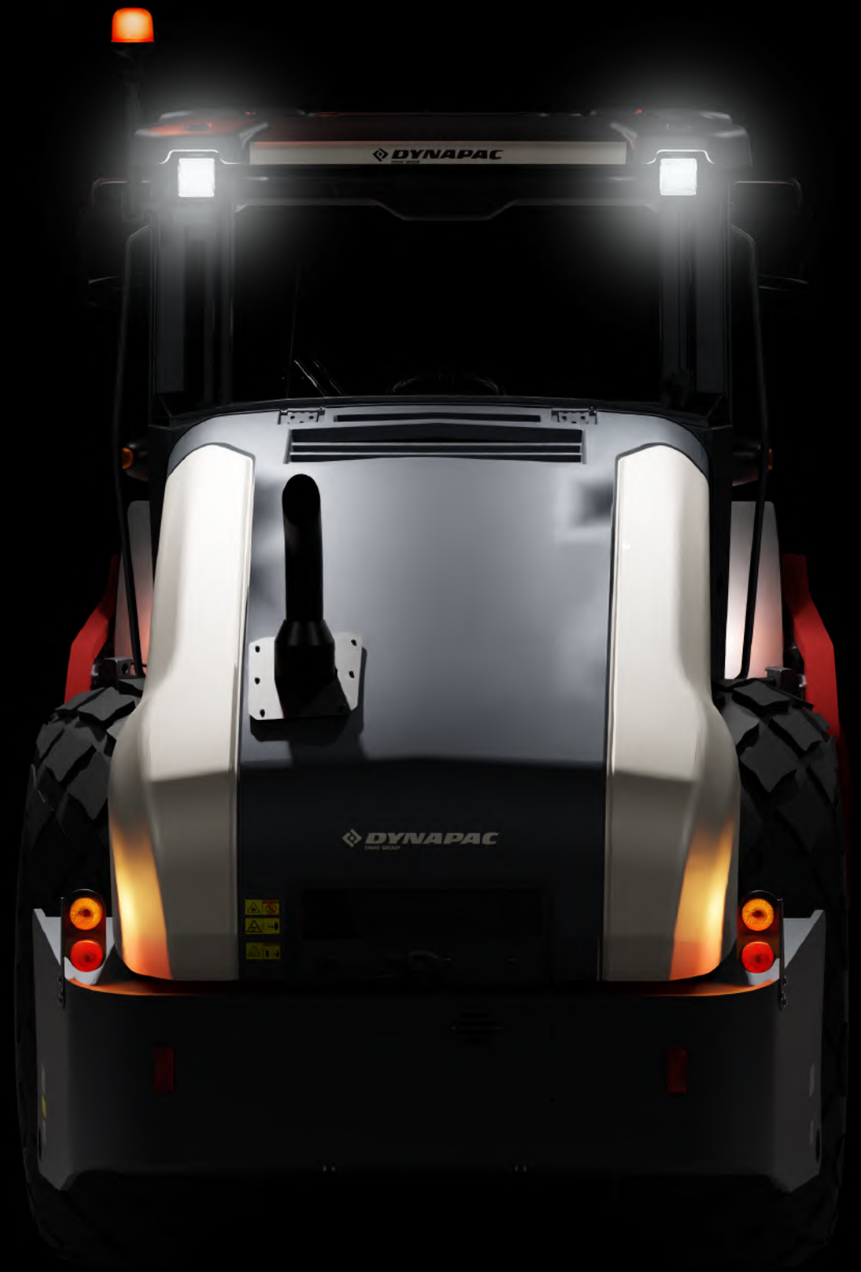
TRACTION FOR ALL SITUATIONS

The manual transmission featuring four gears, is designed to provide optimal control and performance in a variety of driving conditions. For enhanced traction and stability, the optional anti-spin differential in the rear enables confident handling even in challenging situations such as slippery roads or uneven terrain.

TECHNICAL DATA	CA50D	CA55D	CA65D	CA70D
Theoretical Gradeability	46%	46%	41%	38%
Gears	4			
Speed per gear, km/h	4/5/6/11			







HIGH PRODUCTIVITY

Increase the productivity of your job sites through efficient and reliable compaction operation. Reduce non-productive times on the job site.

BEST-IN-CLASS TURNING RADIUS

The short machine length, combined with its excellent turning radius, not only facilitates ease of maneuvering but also enhances operational efficiency, especially in challenging conditions. This unique combination enables swift and precise maneuvers even within confined spaces, significantly boosting productivity.

VISIBILITY AROUND THE CLOCK

Four LED lights are standard, designed to offer exceptional visibility and ensuring optimal performance even during nighttime operations.

Optional traffic lights are available, adding an extra layer of precaution and visibility to your equipment. These lights not only meet traffic regulations but also enhance visibility further, especially in low-light conditions.

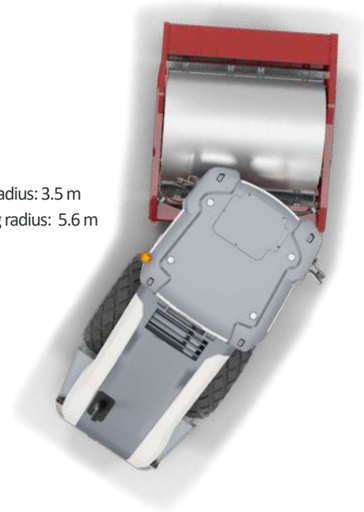
DIRT & DUST RESISTENT

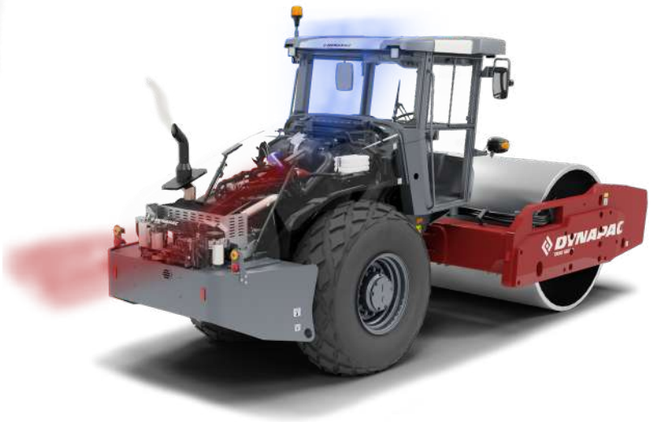
To keep dirt and dust from both the combustion & cooling air system, the air inlet is placed high in the engine compartment.

The system is also designed to push the exhaust gas away from the operator platform.

This engineering approach underscores the commitment to both functionality and user experience, with a strong focus on performance, durability, and operator well-being in the design and operation of the equipment.

Length: 6.2 m
Inside turning radius: 3.5 m
Outside turning radius: 5.6 m





MAXIMUM UPTIME

A machine has to run to make money! Minimize non-productive times, avoid unscheduled break-downs.

EASY ACCESS TO SERVICE & CHECK-POINTS

The cross-mounted engine at the rear offers excellent access to all routine service and maintenance points.

The hydraulic pumps are in line with the engine and fully accessible for servicing from ground level.

Additionally, all filters and fluids can be changed and refilled from the ground.

HIGH-PERFORMANCE SCRAPERS

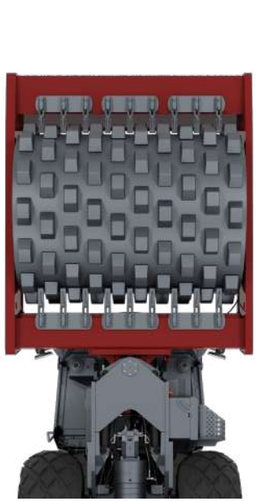
Ensure your drum remains clean to facilitate lean compaction, promoting efficiency in your operations. Utilize divided scrapers to achieve a smooth drum surface, enhancing the quality of your work. For diverse material types, fixed steel contact scrapers are available, ensuring optimal performance across various applications. Opt for teeth and PD scrapers when working with padfoot drum setups, maximizing effectiveness. Enjoy hassle-free operations with easy adjustment features, streamlining your workflow. Additionally, benefit from order process simplicity with included standard options, making procurement straightforward and efficient.

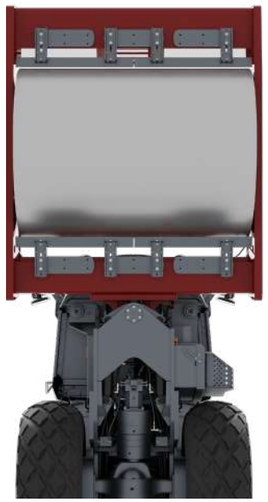
BOLT-ON PADFOOT SHELL

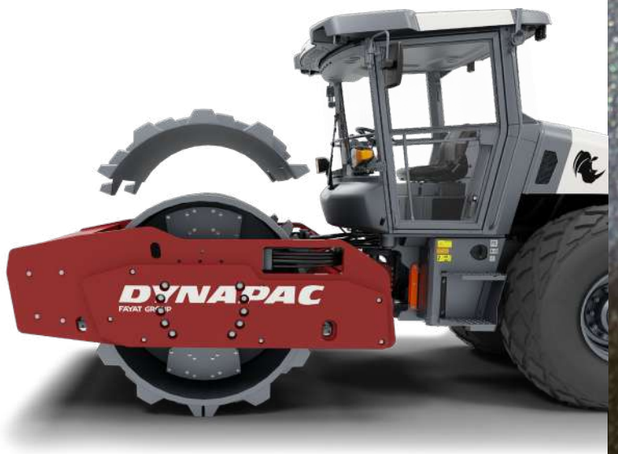
Transform your smooth drum roller to a padfoot roller in less then 4 hours. The bolt-on system makes installation quick and easy.

The padfoot shell kit extends the utilization of your rollers when you have cohesive and semi-cohesive soils to compact.

The shells are made of high wear-resistance steel making them very durable and reliable.







EXCELLENT VISIBILITY

THE LATEST GENERATION FEATURES A 35% INCREASE IN GLASS AREA

HIGH QUALITY RESULTS

Avoid penalties and rework! Stabilize the quality of your compaction jobs.

HIGH QUALITY COMPACTION

Secure high quality compaction results by monitoring the compaction meter values to ensure a homogeneously compacted surface without weak spots. The bouncing indicator warning lowers the risk for over-compaction so that you do not destroy the material.

HOW DOES IT WORK?

- Establish Compaction Meter Value - CMV index for the job
- Set the CMV on the roller via the display
- Monitor the CMV as you operate

STOP COMPACTION

- When you reach the target CMV

CONTINUE COMPACTION

- When the CMV stays below target, run more passes until you reach the target value

WEAK SPOT

- If the CMV value continues to stay below target, you have a weak spot. Weak spots in lower layers could include organic matters like tree or trash fill. Such cases require excavation and re-fill.

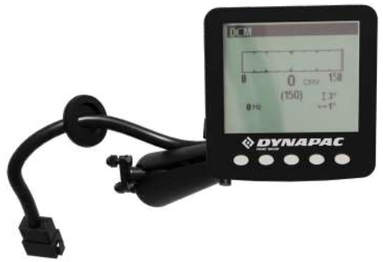
COMPACTION & BOUNCING CONTROL

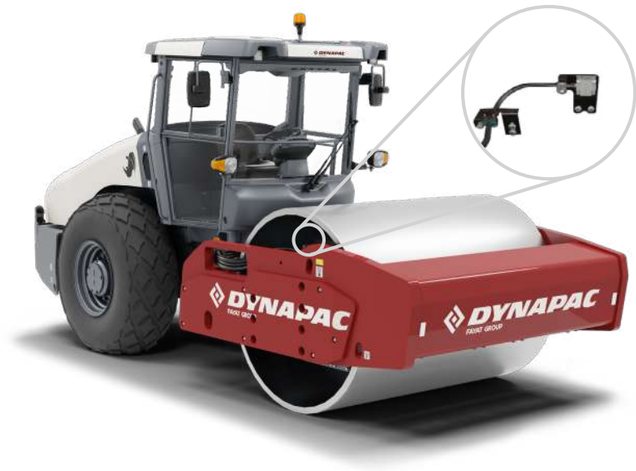
The Dynapac Compaction Meter ensures that the compacted area is homogeneous and indicates when the material is fully compacted to avoid unnecessary additional passes, saving both time and fuel. The Compaction Control System assists in localizing weak spots throughout the jobsite to ensure a high-quality result.

The Dyanpac Bouncing Indicator alerts the operator and automatically lowers the amplitude settings if the machine begins bouncing, which reduces the risk of destroying the achieved level of compaction.

SMART TECHNOLOGY

The sensor measures the stiffness of the ground and the corresponding value is shown as the Compaction Meter Value or CMV.
The CMV is influenced by the rolling speed, rolling direction, amplitude setting, vibration frequency, moisture content etc.
Additionally, Dynapac Bouncing Indicator (DBI) is always integrated in the Compaction Meter and warns the operator of double jumping.





LOW COST OF OWNERSHIP

Improve the overall profitability of your investment by reducing the costs of operating the machine while maintaining a high equipment value.

FUEL SAVINGS & REDUCED EMISSIONS

Save money on fuel & reduce emissions by up to 25% by avoiding unnecessary passes.

The Dynapac Compaction Meter (DCM) shows the driver when the target value is reached hence there is no risk of over-compacting.

INCREASED PRODUCTIVITY

Increase productivity and complete jobs faster by lowering the passes, reducing harmful bouncing and lowering operator fatigue thanks to the Dynapac Bouncing Indicator (DBI). Furthermore faster job completion means increased availability of operators and lower labour costs.

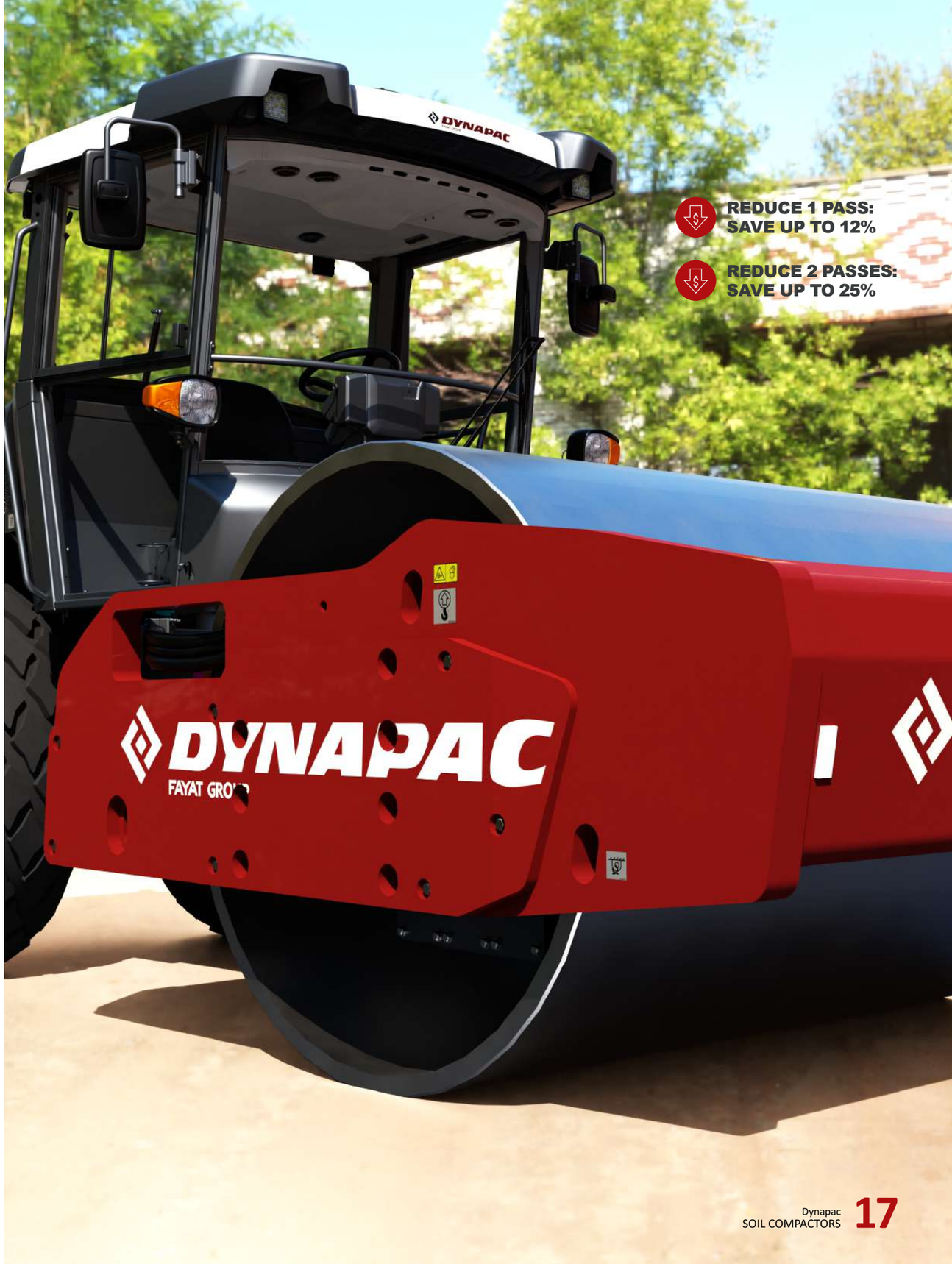
Automatic Vibration Control (AVC) stops the drum automatically when the compactor moves below a certain speed. This avoids damaging the compacted surface.

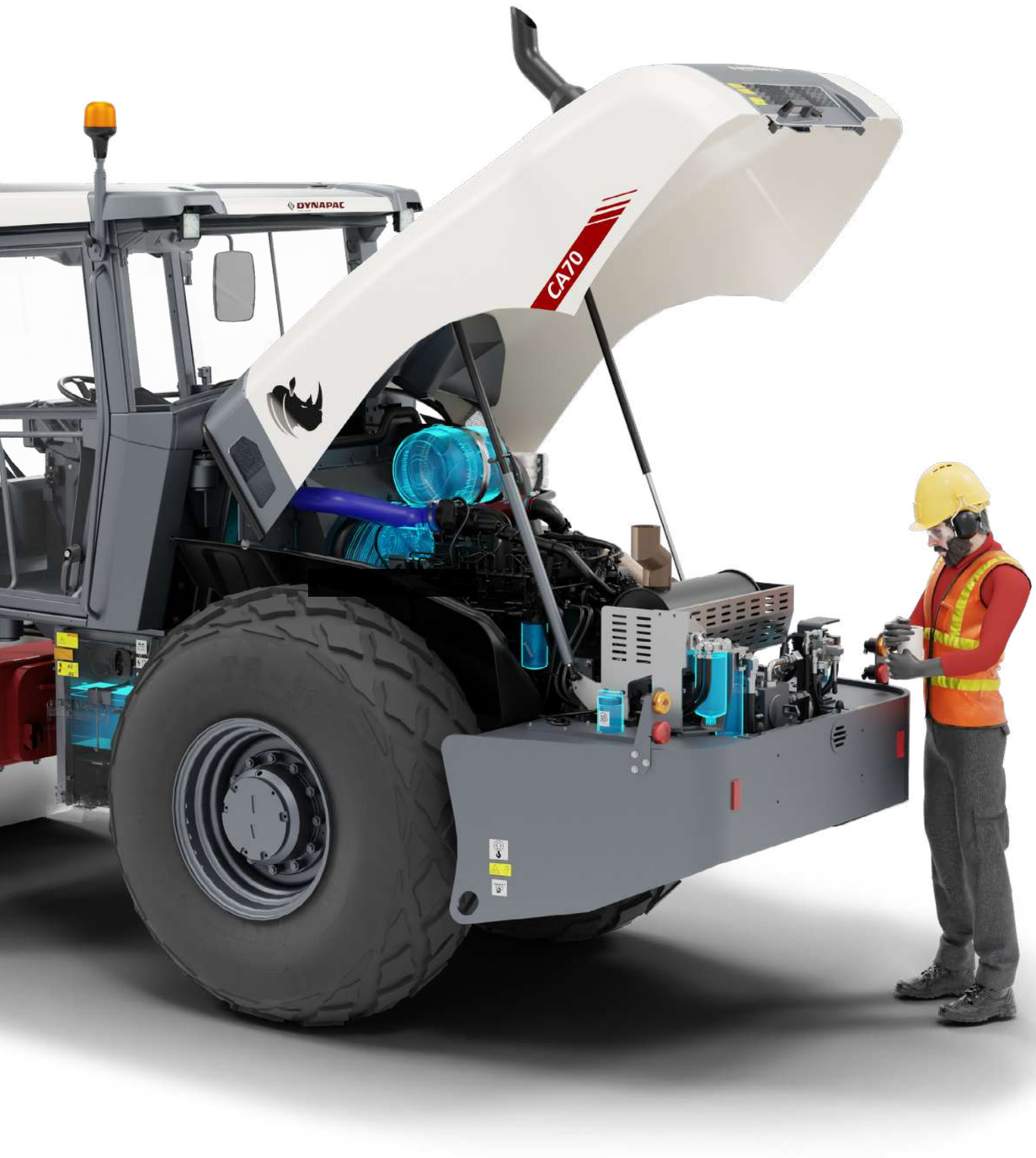
BETTER QUALITY

The dual amplitude feature provides users with the flexibility to select between high and low amplitude vibrations, catering to varying layer thicknesses and materials.

SAVINGS POTENTIAL SIMULATION WITH DCM

	WITHOUT DCM	WITH DCM	WITH DCM
Machine efficiency	0.75	0.75	0.75
Drum width, m	2.13	2.13	2.13
Speed, km/h	3.6	3.6	3.6
Layer thickness, m	0.3	0.3	0.3
Number of passes	8	7 -12.5%	6 -25%
Capacity, m³/h	216	246	288
Volume, m³	75,000	75,000	75,000
Total machine hours	348	304	261
Savings potential in hours		**-44**	**-87**





COST CONTROL THAT SAVES BIG

Being active in the Road Construction business requires considerable investment. Every square meter involves an operational cost composed of fixed costs such as interest on equipment acquired, labor costs, insurance and equipment depreciation, but also variable costs such as expenses for fuel, wear and maintenance.

SERVICE COMMITTED TO YOUR FUTURE

GENUINE PARTS AND KITS
- Preventive maintenence kits
- Genuine Filters
- Fluids and lubricants
- Wear and repair kits
- Upgrade Kits

SERVICE
- Right competence
- Training program
- Inspection & service program
- Extended Warranty & Service Agreement

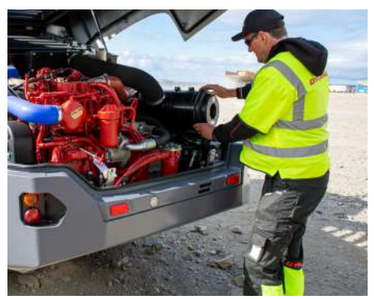
CONSUMABLES
- Road Milling Tools (bits)

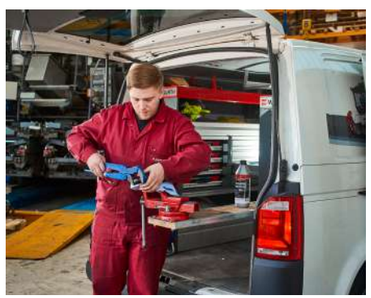
PREVENT THE COST OF A BREAKDOWN

REGULAR MAINTENANCE PREVENTS COSTLY STANDSTILLS.
Equipment breakdowns have a direct impact on your productivity. No production means no revenue, but the fixed costs stay the same, resulting in lower profitability. By avoiding breakdowns and increasing the reliability of your machine, you will be able to produce more per year, which will immediately improve your profitability.

PREVENTIVE MAINTENANCE KITS

REGULAR MAINTENANCE PREVENTS COSTLY STANDSTILLS.
Equipment breakdowns have a direct impact on your productivity. Preventative maintenance is the only way to ensure that your machine sustains its productivity throughout the working season. To optimize this productivity, your preventative maintenance needs to be planned either ahead of the working season or as your machine approaches specific intervals for servicing. To assist with maintaining your machines, Dynapac offers preventative maintenance kits so that you can have all that is needed for each service interval in one place.





TECHNICAL DATA

SOIL COMPACTORS

TECHNICAL DATA	CA50D	CA50PD	CA55D	CA55PD	CA65D	CA65PD	CA70D	CA70PD
Drum width, mm	2,130							
MASSES								
Operating mass, kg (ROPS/CAB)	15,310 / 15,450	15,130 / 15,270	18,160 / 18,300	17,980 / 18,120	20,160 / 20,300	19,980 / 20,120	22,160 / 22,300	21,980 / 22,120
Module mass, kg (front/rear)	10,560 / 4,890	10,380 / 4,890	12,100 / 6,200	11,920 / 6,200	13,800 / 6,500	13,620 / 6,500	14,800 / 7,500	14,620 / 7,500
TRACTION								
Speed range, km/h	0 - 11							
Vertical oscillation	±9°							
Theoretical gradeability	46%	46%	46%	44%	41%	39%	38%	35%
COMPACTION								
Centrifugal force , kN (high/low amplitude)	302/200		339 / 231					
Nominal amplitude, mm (high/low)	1.8 / 1.1							
Static linear load kg/cm (front/rear)	49.6	NA	56.8	NA	64.8	NA	69.5	NA
Vibration frequency, Hz (high/low amplitude)	30 / 31							
ENGINE II/T2								
Manufacturer/ Model	CUMMINS 4BTAA3.9		Cummins 6BTAA5.9					
Rated power, SAE J1995	97kW (130 hp) @2500rpm		153 kW (205 hp) @ 2,200 rpm					
Fuel tank capacity, l	320							
ENGINE IIIA/T3								
Manufacturer/ Model	CUMMINS QSB3.9		Cummins QSB5.9					
Rated power, SAE J1995	103kW (150 hp) @2500rpm		154 kW (207 hp) @ 2,400 rpm					